

Data File : VN053385.D
Acq On : 14 Jan 2019 12:24
Operator : JC/SP
Sample : VN0114WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Quant Time: Jan 14 22:53:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	843655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1295124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1154227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	539580	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	434073	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.59	113	376101	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1559616	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	545184	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	143664	19.316	ug/l	98
3) Chloromethane	2.06	50	194996	18.774	ug/l	99
4) Vinyl Chloride	2.19	62	192489	19.417	ug/l	99
5) Bromomethane	2.55	94	122767	18.951	ug/l	100
6) Chloroethane	2.70	64	115443	19.293	ug/l	99
7) Trichlorofluoromethane	3.02	101	251682	19.600	ug/l	98
8) Diethyl Ether	3.41	74	101523	20.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161587	19.855	ug/l	100
10) Methyl Iodide	3.96	142	230486	20.205	ug/l	100
11) Tert butyl alcohol	4.78	59	44409	84.120	ug/l	97
12) 1,1-Dichloroethene	3.74	96	154817	19.667	ug/l	98
13) Acrolein	3.61	56	67905	102.301	ug/l	99
14) Allyl chloride	4.33	41	255769	20.159	ug/l	97
15) Acrylonitrile	4.99	53	306127	97.137	ug/l	99
16) Acetone	3.82	43	197316	91.995	ug/l	98
17) Carbon Disulfide	4.06	76	425849	17.547	ug/l	100
18) Methyl Acetate	4.32	43	151752	19.103	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	448927	20.320	ug/l	98
20) Methylene Chloride	4.55	84	183642	19.481	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	164478	19.460	ug/l	100
22) Diisopropyl ether	5.95	45	561503	20.543	ug/l	96
23) Vinyl Acetate	5.90	43	1730473	100.621	ug/l	100
24) 1,1-Dichloroethane	5.85	63	321729	20.409	ug/l	99
25) 2-Butanone	6.83	43	335195	93.086	ug/l	98
26) 2,2-Dichloropropane	6.83	77	234084	20.314	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	197583	20.470	ug/l	100
28) Bromochloromethane	7.20	49	139634	20.786	ug/l	99
29) Tetrahydrofuran	7.21	42	224397	94.432	ug/l	98
30) Chloroform	7.37	83	316655	20.408	ug/l	99
31) Cyclohexane	7.65	56	296172	19.653	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	261675	20.238	ug/l	100
36) 1,1-Dichloropropene	7.79	75	237832	19.670	ug/l	100
37) Ethyl Acetate	6.93	43	152971	19.424	ug/l	99
38) Carbon Tetrachloride	7.77	117	225277	20.186	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285955	20.415	ug/l	100
40) Benzene	8.04	78	742512	20.104	ug/l	100
41) Methacrylonitrile	7.17	41	79879	16.337	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	222771	20.335	ug/l	100
43) Isopropyl Acetate	8.16	43	281956	18.199	ug/l	100
44) Trichloroethene	8.83	130	203704	20.087	ug/l	100
45) 1,2-Dichloropropane	9.12	63	199444	20.590	ug/l	98
46) Dibromomethane	9.21	93	113567	20.108	ug/l	99
47) Bromodichloromethane	9.40	83	234739	19.944	ug/l	99
48) Methyl methacrylate	9.20	41	135009	19.181	ug/l	99
49) 1,4-Dioxane	9.20	88	22204	296.085	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	763707	98.022	ug/l	100
52) Toluene	10.16	92	452064	19.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	238639	19.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	284072	20.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164915	19.795	ug/l	98
56) Ethyl methacrylate	10.43	69	212607	19.637	ug/l	99
57) 1,3-Dichloropropane	10.71	76	283782	20.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	570758	97.513	ug/l	99
59) 2-Hexanone	10.75	43	508561	95.268	ug/l	99
60) Dibromochloromethane	10.90	129	176838	19.679	ug/l	98
61) 1,2-Dibromoethane	11.00	107	161734	19.672	ug/l	99
64) Tetrachloroethene	10.63	164	221290	20.370	ug/l	99
65) Chlorobenzene	11.43	112	505749	20.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176943	20.161	ug/l	100
67) Ethyl Benzene	11.51	91	858282	20.144	ug/l	100
68) m/p-Xylenes	11.62	106	654120	40.828	ug/l	100
69) o-Xylene	11.95	106	320849	20.456	ug/l	100
70) Styrene	11.96	104	526730	20.634	ug/l	99
71) Bromoform	12.13	173	121073	19.531	ug/l #	98
73) Isopropylbenzene	12.25	105	849387	21.143	ug/l	100
74) N-amyl acetate	12.07	43	239540	19.968	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	188000	20.344	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	250016	31.768	ug/l #	100
77) Bromobenzene	12.53	156	222828	20.782	ug/l	99
78) n-propylbenzene	12.59	91	969612	21.337	ug/l	100
79) 2-Chlorotoluene	12.68	91	569719	20.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	696812	21.533	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52932	19.788	ug/l	96
82) 4-Chlorotoluene	12.77	91	584380	20.727	ug/l	100
83) tert-Butylbenzene	12.99	119	614570	21.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	701029	21.265	ug/l	99
85) sec-Butylbenzene	13.17	105	837596	22.370	ug/l	100
86) p-Isopropyltoluene	13.29	119	712613	21.982	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	385630	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	373578	19.945	ug/l	100
89) n-Butylbenzene	13.62	91	582730	21.440	ug/l	100
90) Hexachloroethane	13.88	117	104841	20.177	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	355241	20.086	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22343	19.933	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011419\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132915	23.901	ug/l	98
94) Hexachlorobutadiene	15.01	225	112636	24.763	ug/l	99
95) Naphthalene	15.13	128	228486	24.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	94314	25.904	ug/l	98

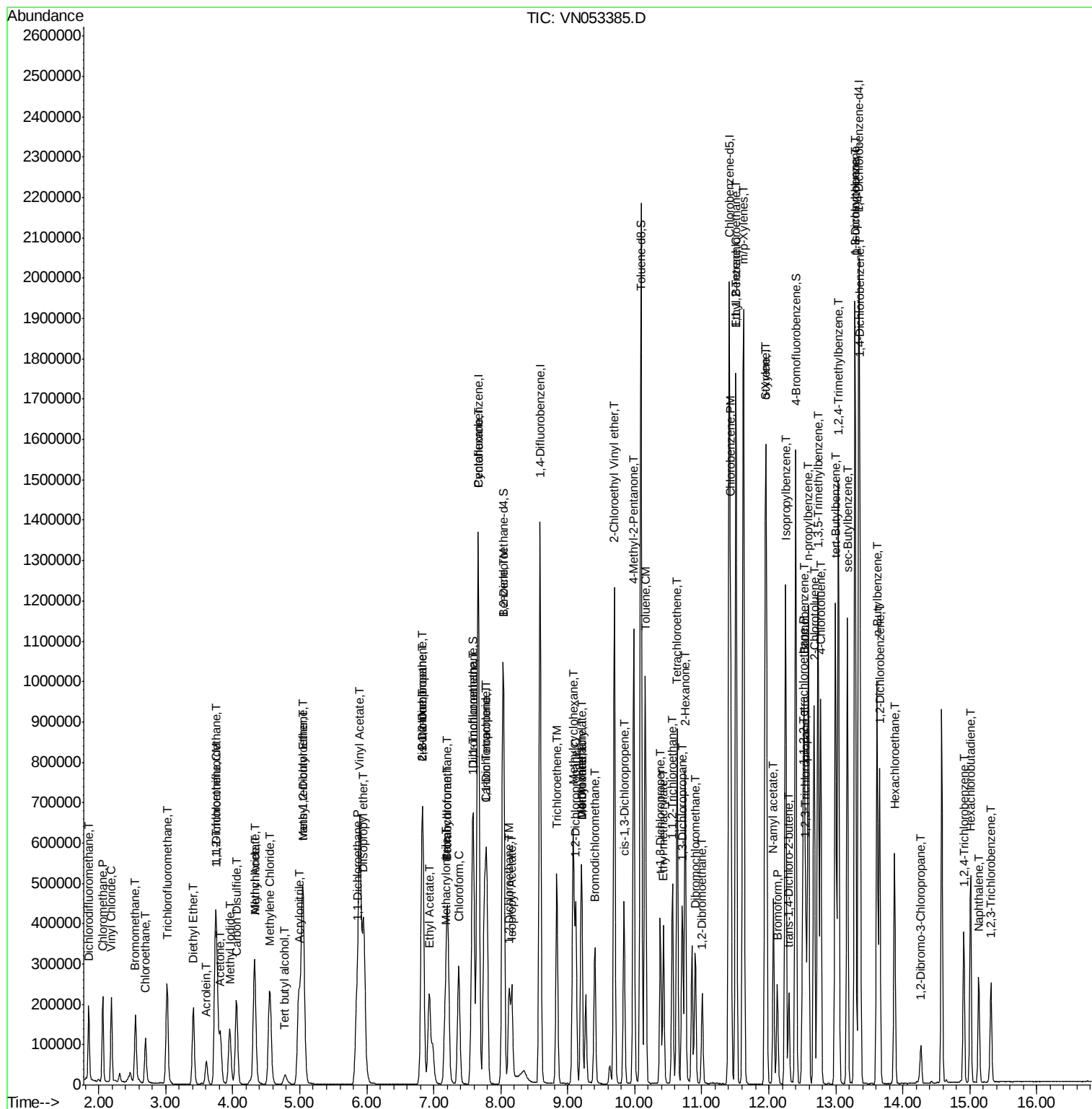
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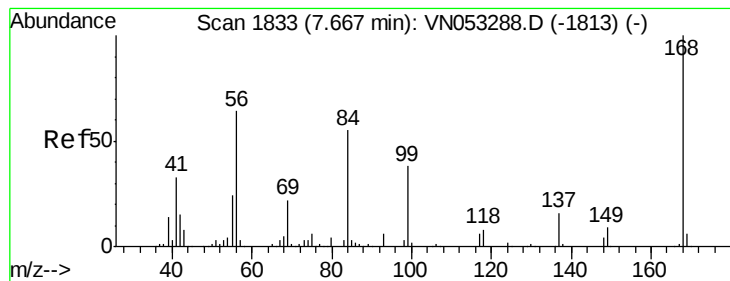
Data File : VN053385.D

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Acq On       : 14 Jan 2019   12:24
Operator    : JC/SP
Sample      : VN0114WBS01
Misc       : 5.00mL/MSVOA_N/WATER
ALS Vial    : 8      Sample Multiplier: 28
```

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Quant Time: Jan 14 22:53:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

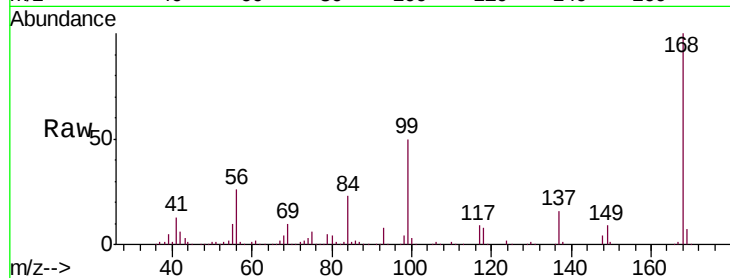
VN0114WBS01

Tgt Ion:168 Resp: 843655

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

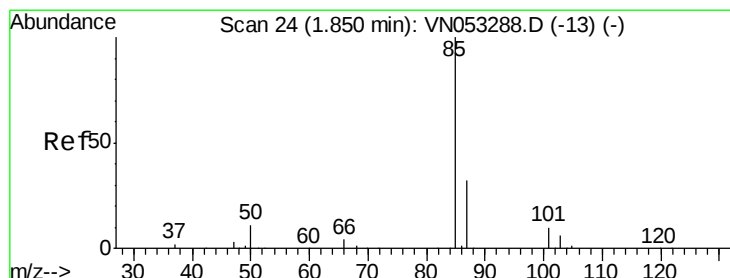
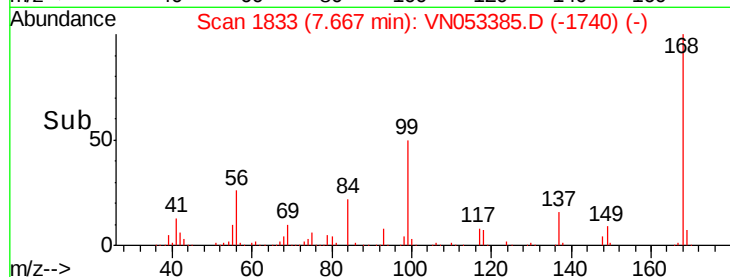
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.316 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053385.D

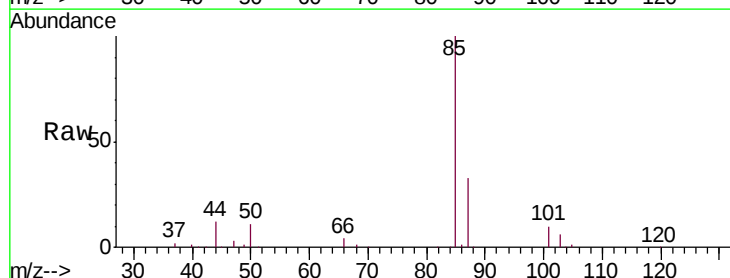
Acq: 14 Jan 2019 12:24

Tgt Ion: 85 Resp: 143664

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

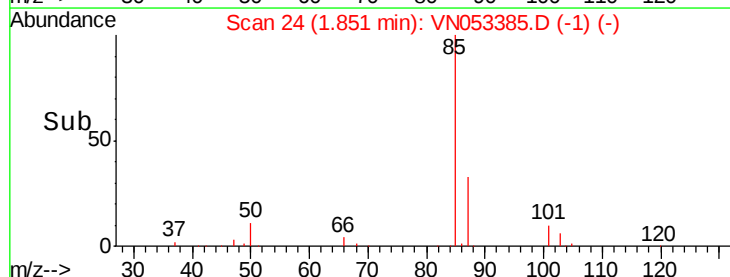
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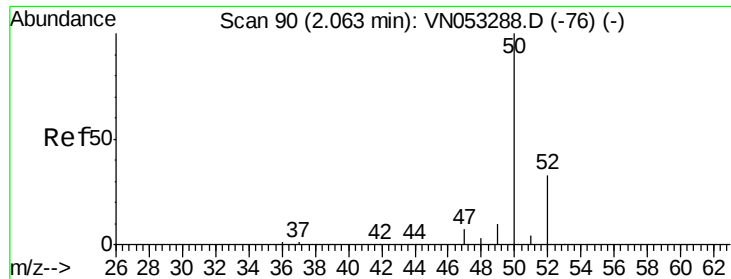
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.774 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

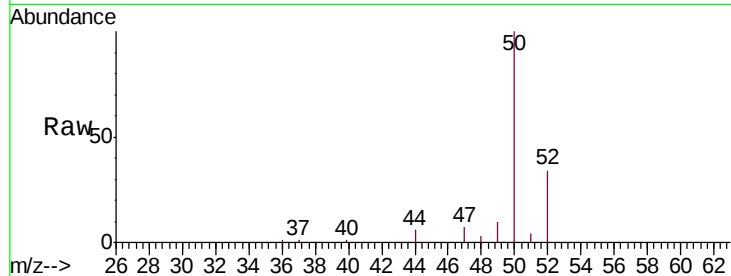
VN0114WBS01

Tgt Ion: 50 Resp: 194996

Ion Ratio Lower Upper

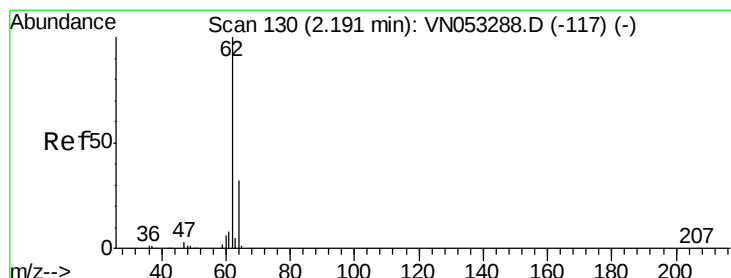
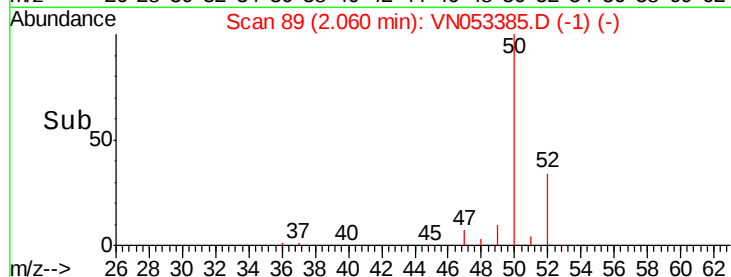
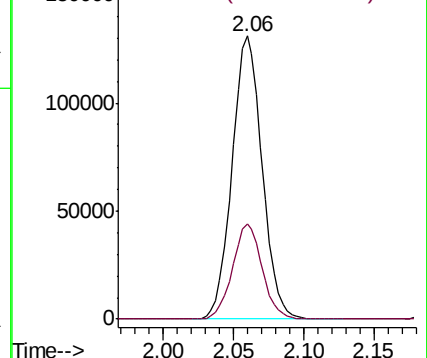
50 100

52 33.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.417 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053385.D

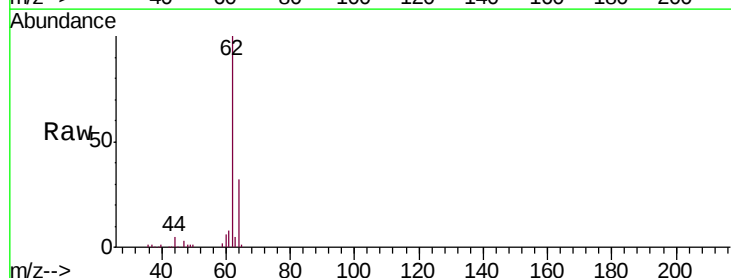
Acq: 14 Jan 2019 12:24

Tgt Ion: 62 Resp: 192489

Ion Ratio Lower Upper

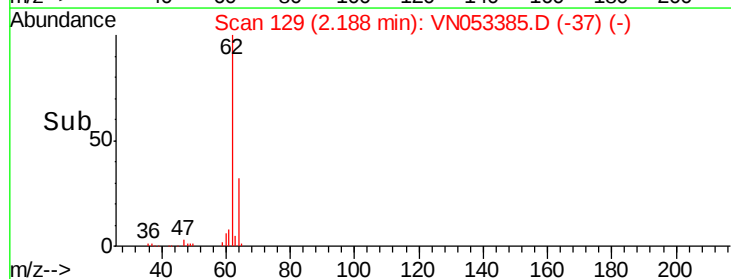
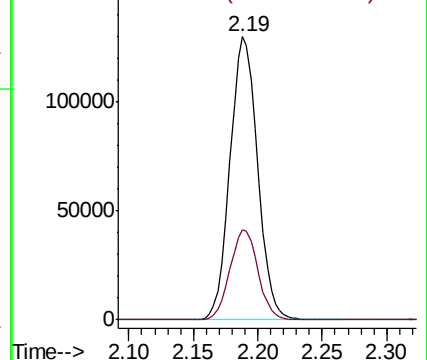
62 100

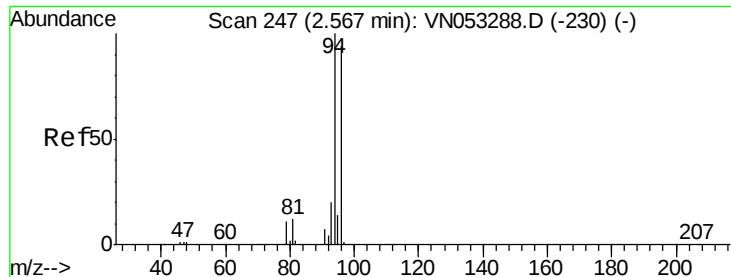
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.951 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

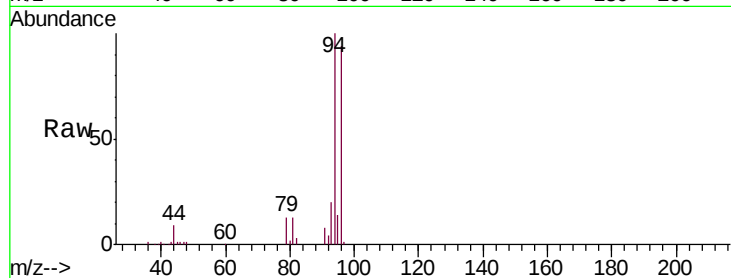
VN0114WBS01

Tgt Ion: 94 Resp: 122767

Ion Ratio Lower Upper

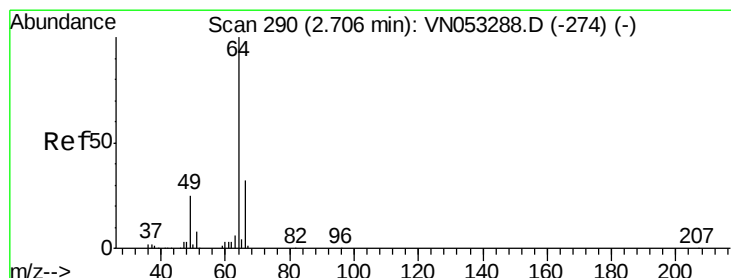
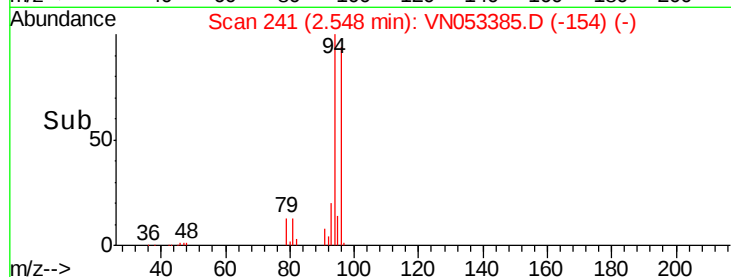
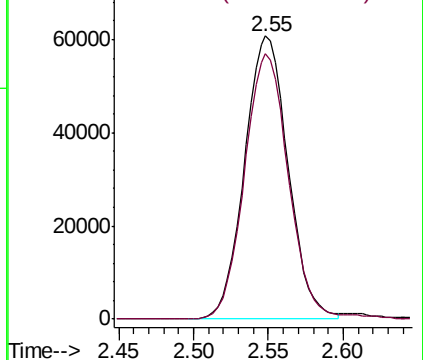
94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.293 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN053385.D

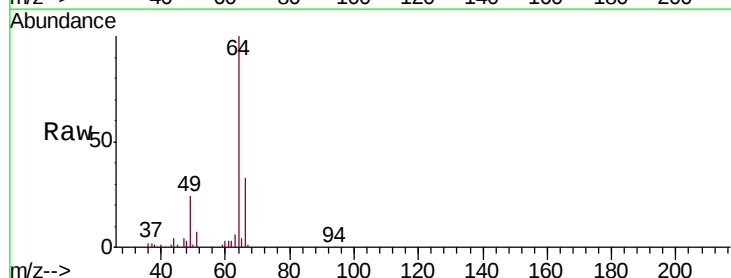
Acq: 14 Jan 2019 12:24

Tgt Ion: 64 Resp: 115443

Ion Ratio Lower Upper

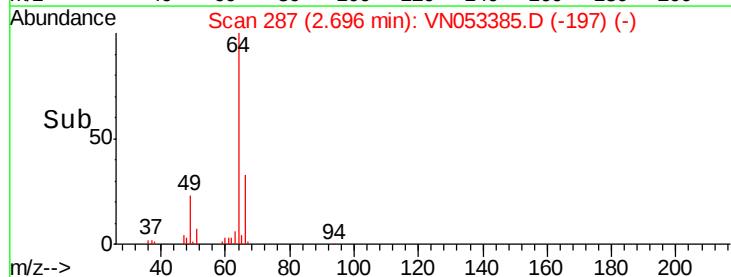
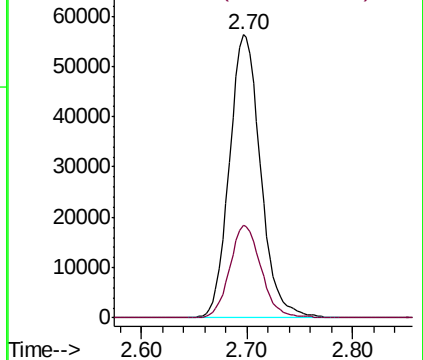
64 100

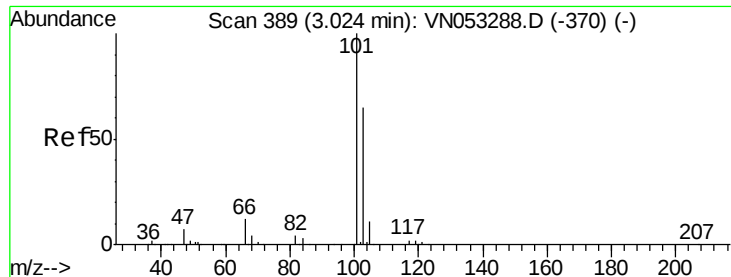
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



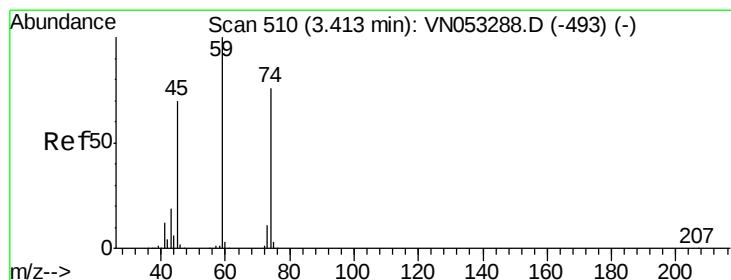
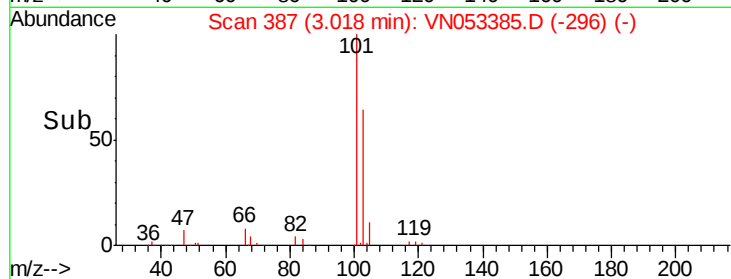
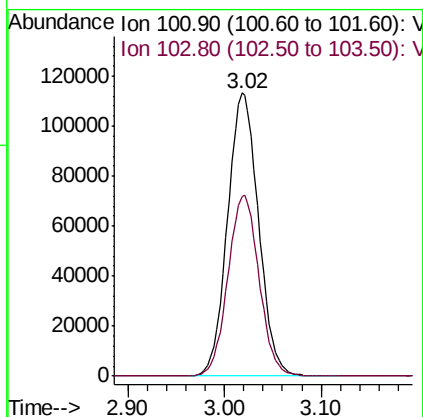
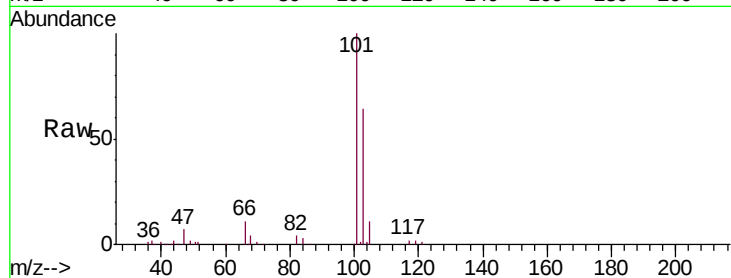


#7

Trichlorofluoromethane
 Concen: 19.600 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

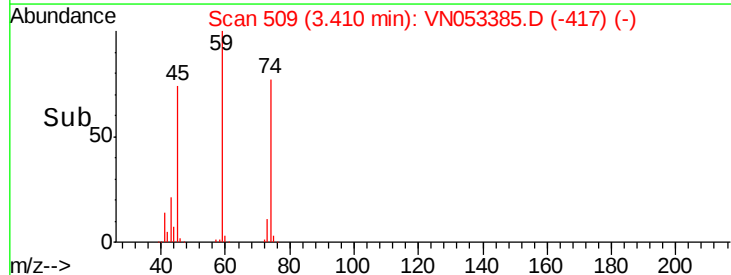
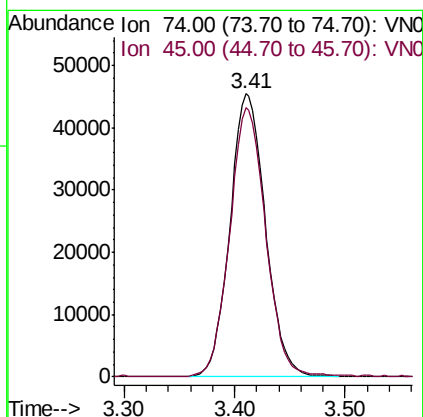
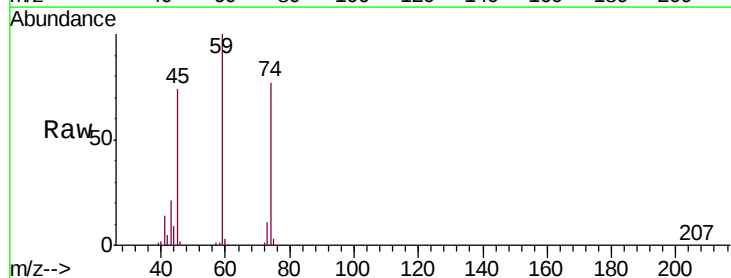
Tgt Ion:101 Resp: 251682
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.1 78.1

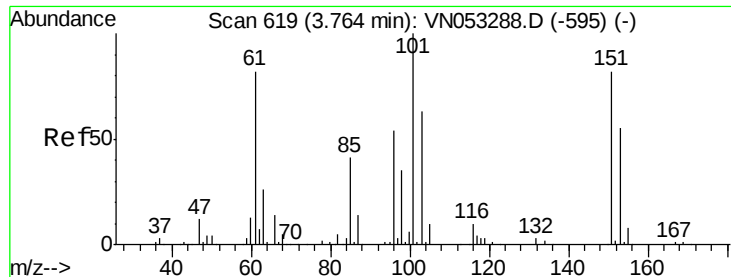


#8

Diethyl Ether
 Concen: 20.172 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 74 Resp: 101523
 Ion Ratio Lower Upper
 74 100
 45 96.5 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.855 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

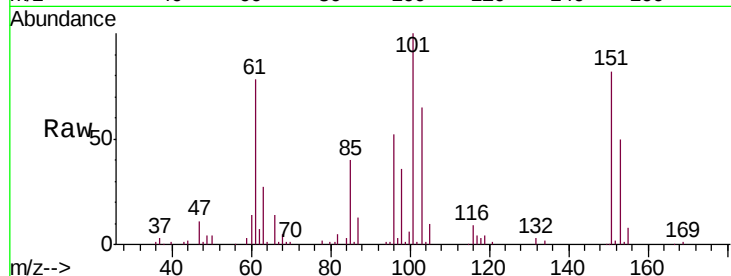
Tgt Ion:101 Resp: 161587

Ion Ratio Lower Upper

101 100

85 41.2 33.3 49.9

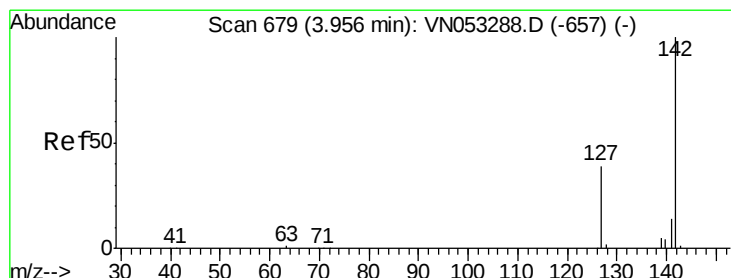
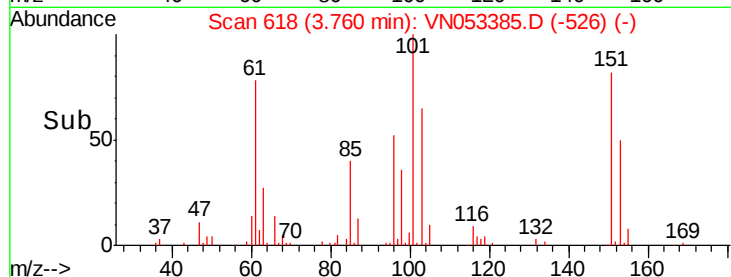
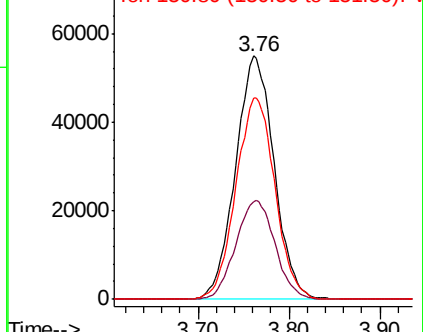
151 84.1 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.205 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

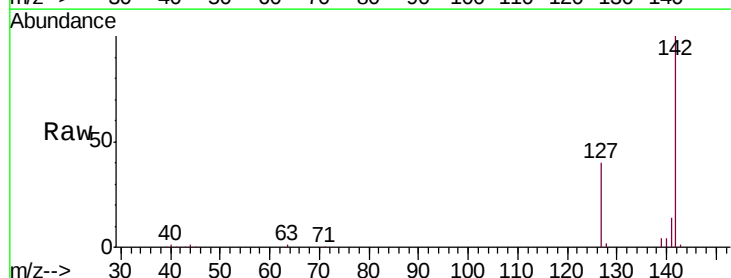
Tgt Ion:142 Resp: 230486

Ion Ratio Lower Upper

142 100

127 38.5 30.9 46.3

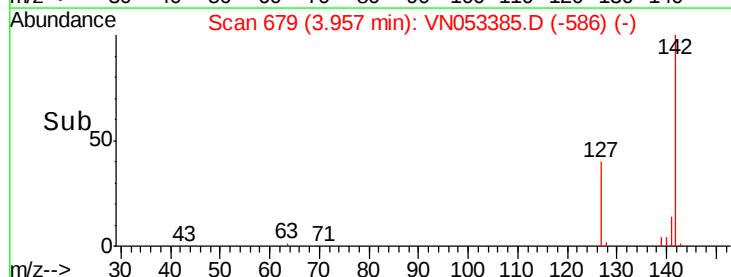
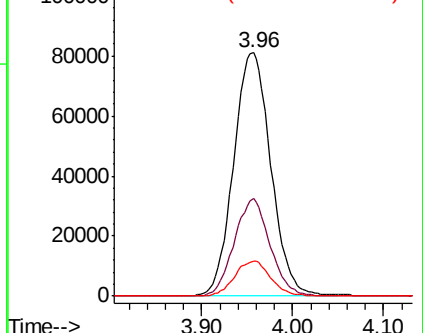
141 14.0 11.2 16.8

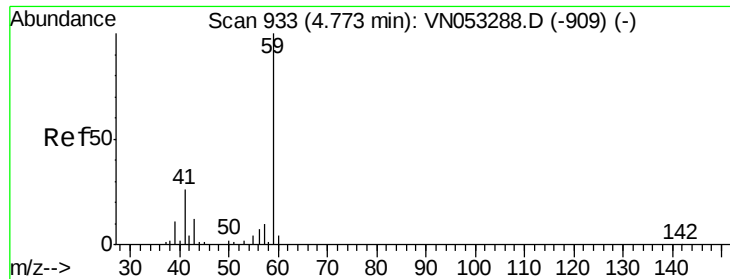


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

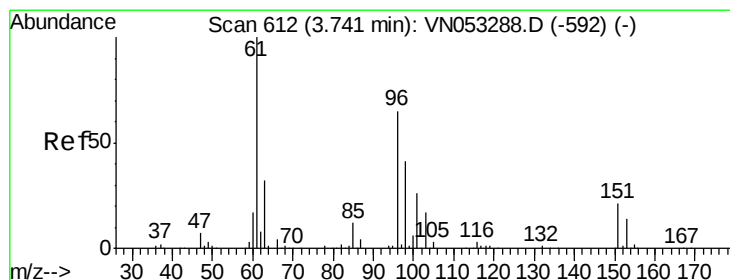
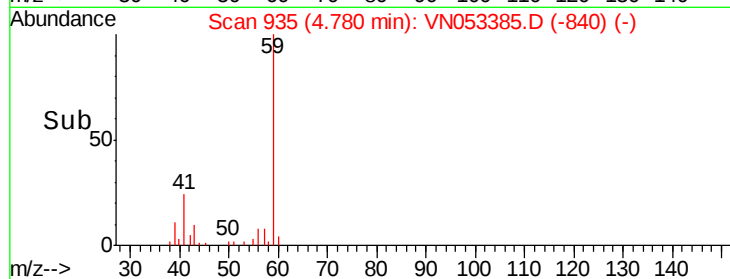
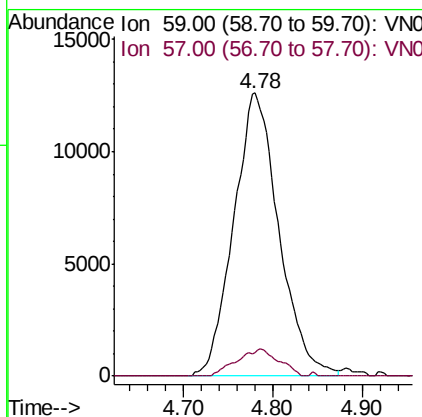
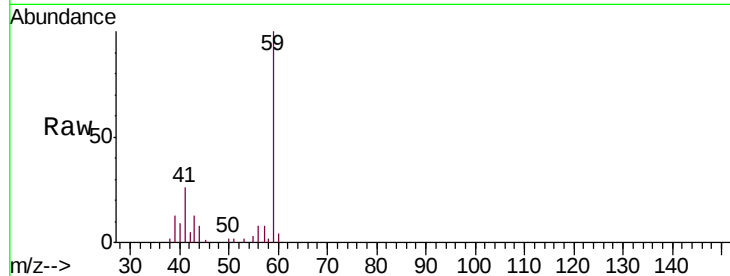




#11
Tert butyl alcohol
Concen: 84.120 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

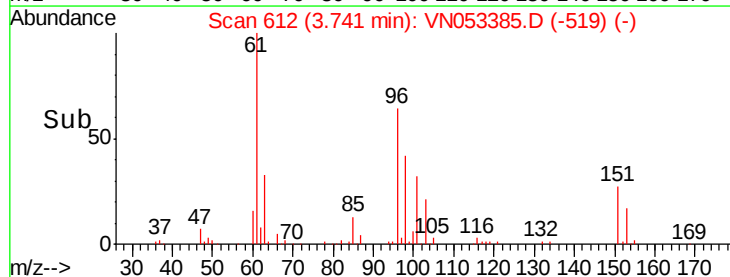
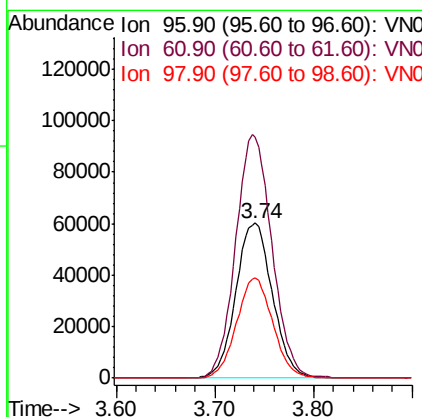
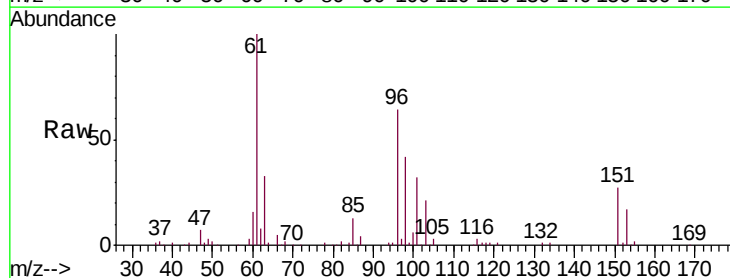
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

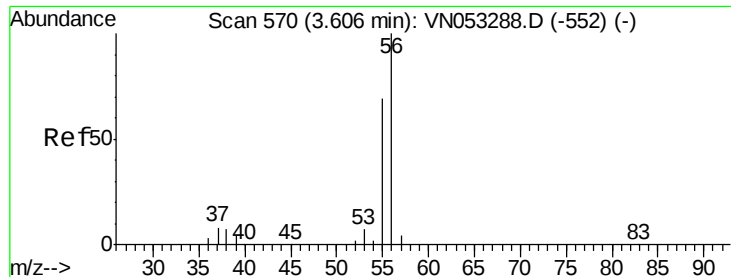
Tgt Ion: 59 Resp: 44409
Ion Ratio Lower Upper
59 100
57 8.9 8.0 12.0



#12
1,1-Dichloroethene
Concen: 19.667 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 96 Resp: 154817
Ion Ratio Lower Upper
96 100
61 155.8 123.2 184.8
98 64.7 50.5 75.7





#13

Acrolein

Concen: 102.301 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

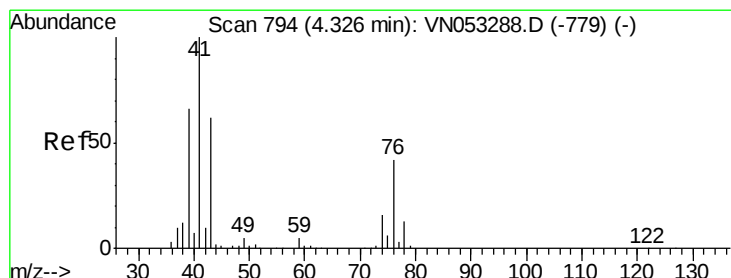
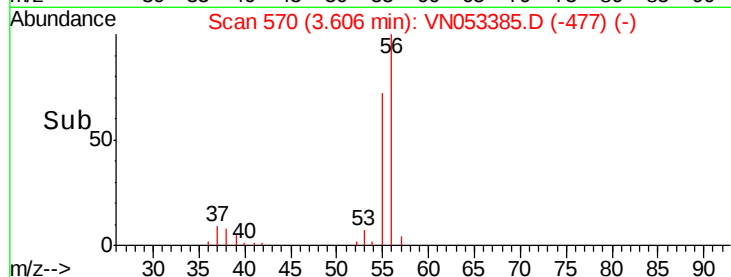
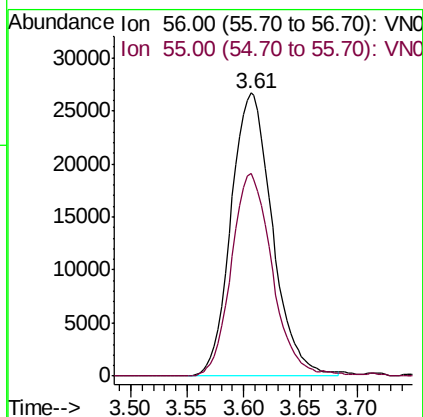
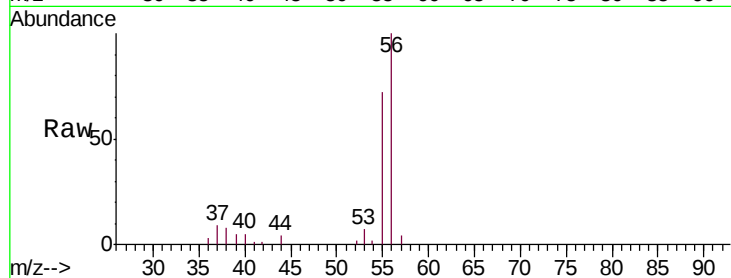
VN0114WBS01

Tgt Ion: 56 Resp: 67905

Ion Ratio Lower Upper

56 100

55 70.0 56.3 84.5



#14

Allyl chloride

Concen: 20.159 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

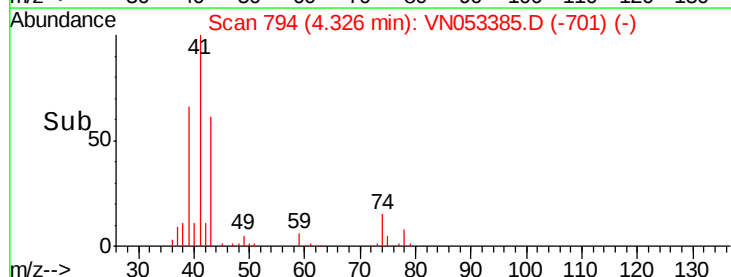
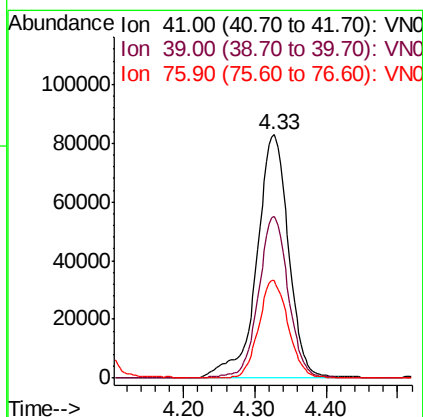
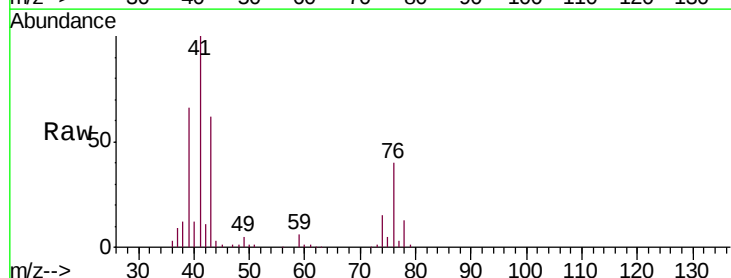
Tgt Ion: 41 Resp: 255769

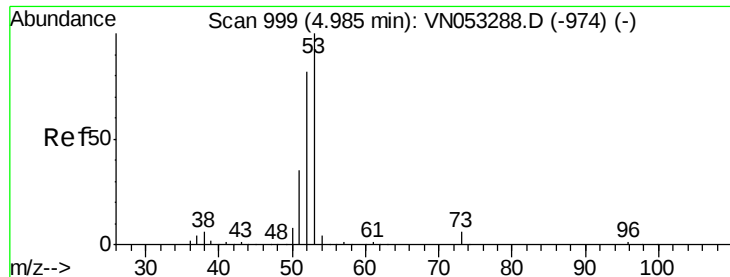
Ion Ratio Lower Upper

41 100

39 62.6 51.9 77.9

76 37.4 31.2 46.8





#15

Acrylonitrile

Concen: 97.137 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

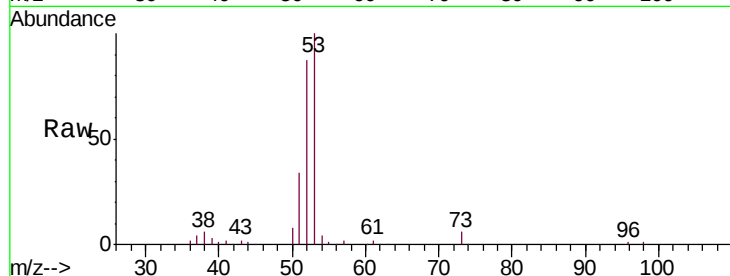
Tgt Ion: 53 Resp: 306127

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

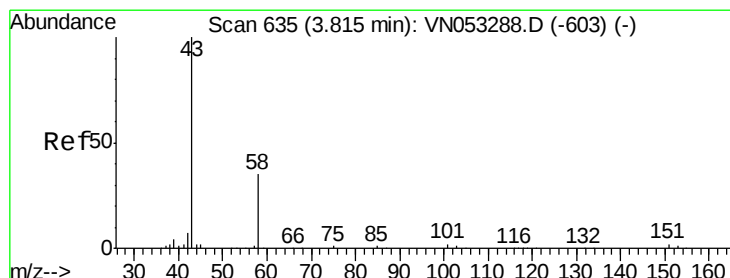
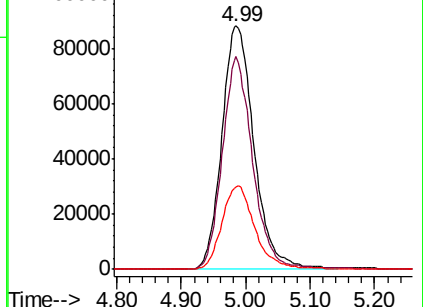
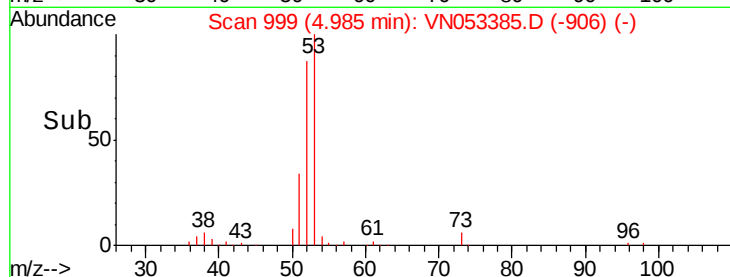
51 35.1 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN053385.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN053385.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN053385.D (-906) (-)



#16

Acetone

Concen: 91.995 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053385.D

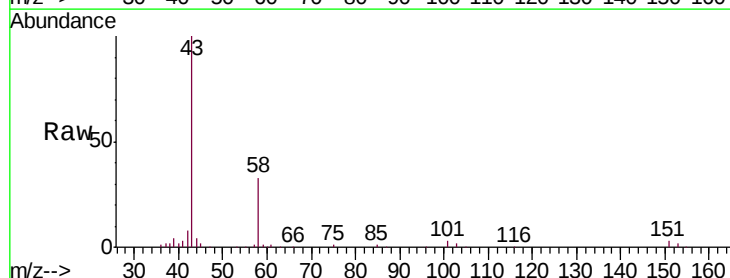
Acq: 14 Jan 2019 12:24

Tgt Ion: 43 Resp: 197316

Ion Ratio Lower Upper

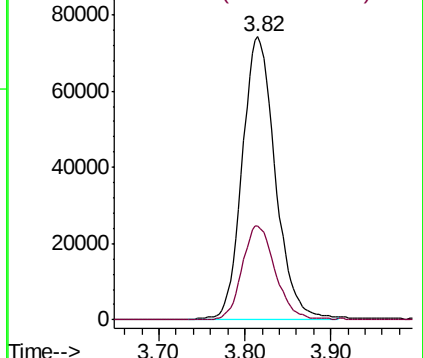
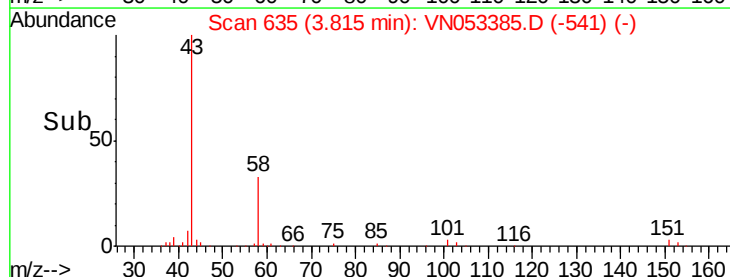
43 100

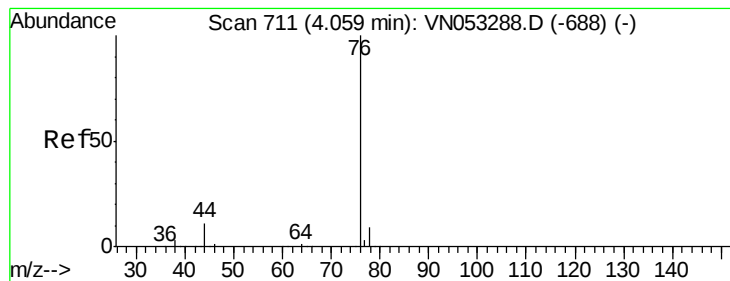
58 33.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053385.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053385.D (-541) (-)





#17

Carbon Disulfide

Concen: 17.547 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

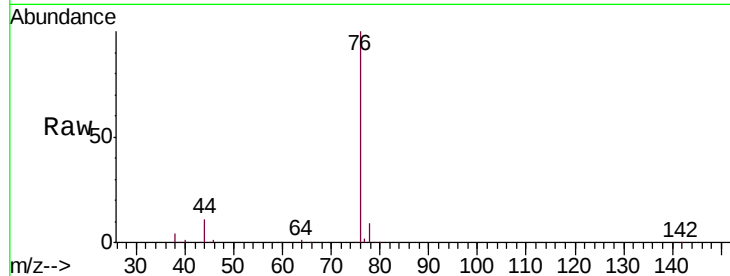
VN0114WBS01

Tgt Ion: 76 Resp: 425849

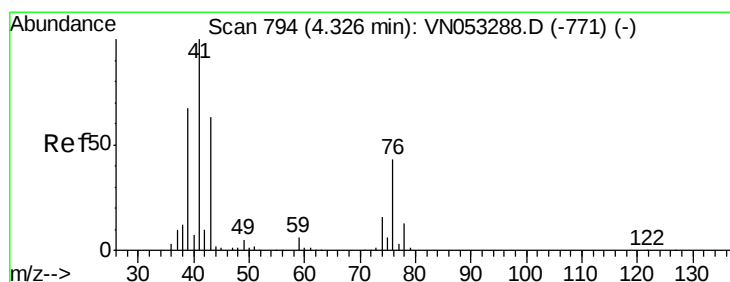
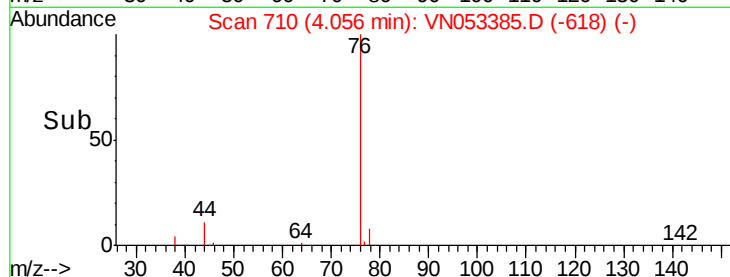
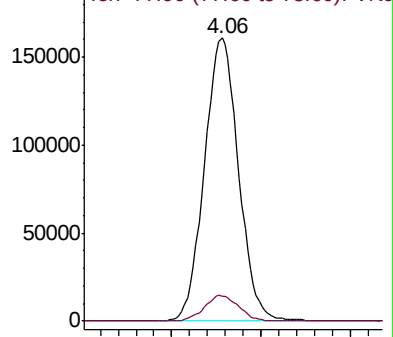
Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.103 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053385.D

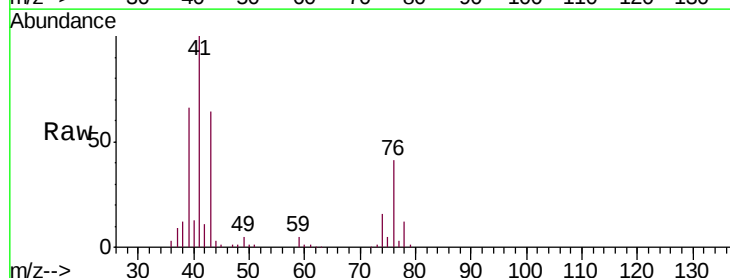
Acq: 14 Jan 2019 12:24

Tgt Ion: 43 Resp: 151752

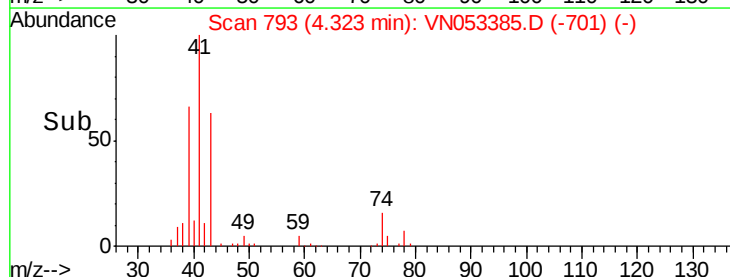
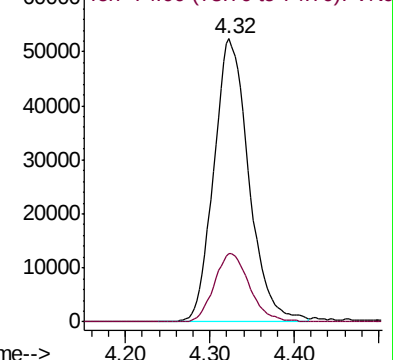
Ion Ratio Lower Upper

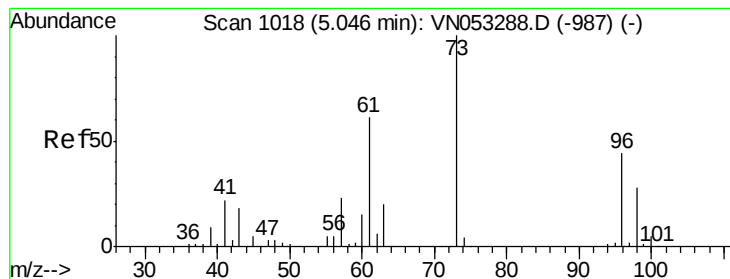
43 100

74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



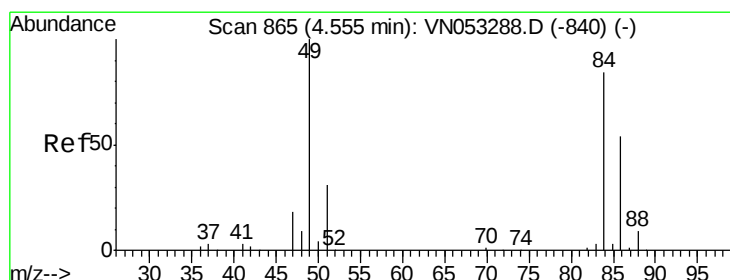
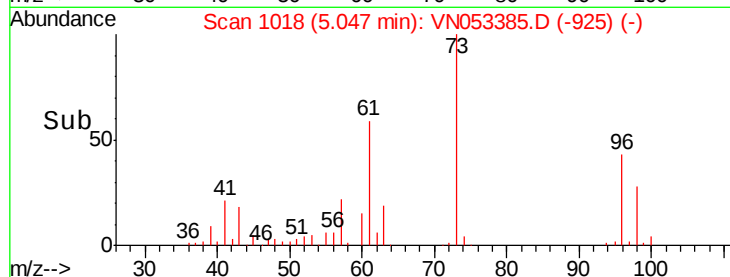
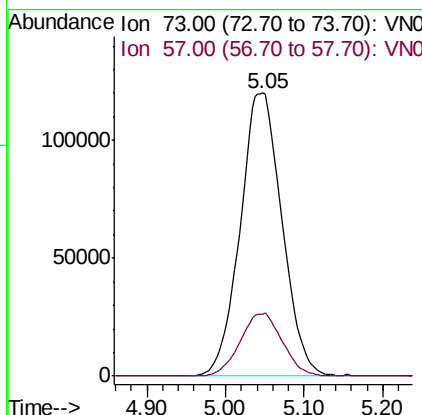
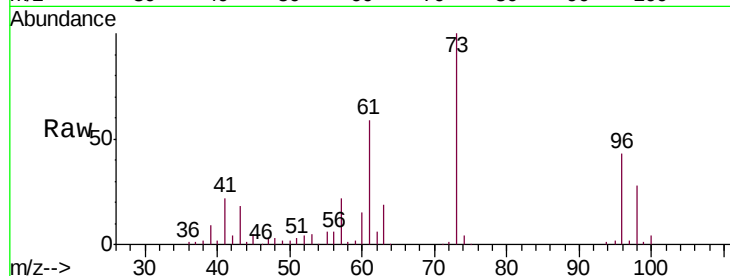


#19

Methyl tert-butyl Ether
 Concen: 20.320 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

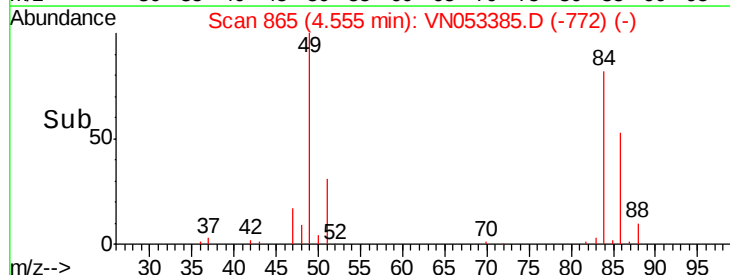
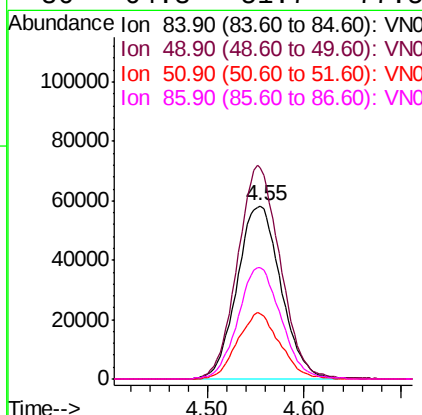
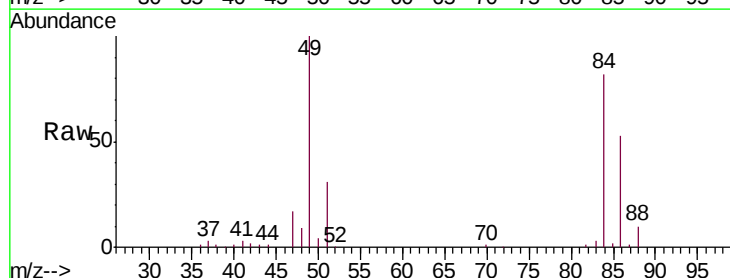
Tgt Ion: 73 Resp: 448927
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.5 27.7

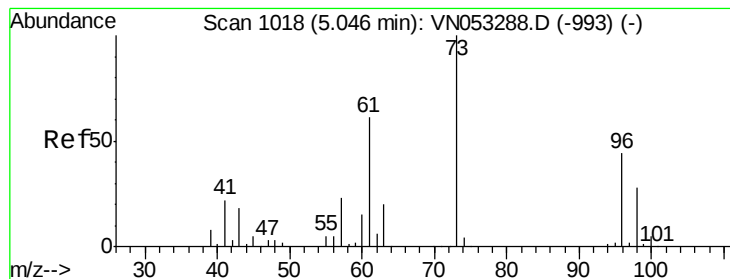


#20

Methylene Chloride
 Concen: 19.481 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 84 Resp: 183642
 Ion Ratio Lower Upper
 84 100
 49 121.9 95.3 142.9
 51 37.8 29.0 43.6
 86 64.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.460 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

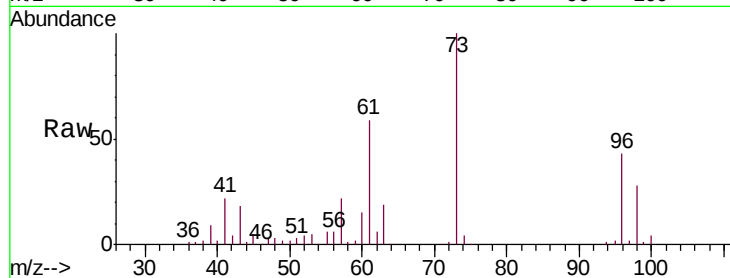
Tgt Ion: 96 Resp: 164478

Ion Ratio Lower Upper

96 100

61 137.6 110.2 165.4

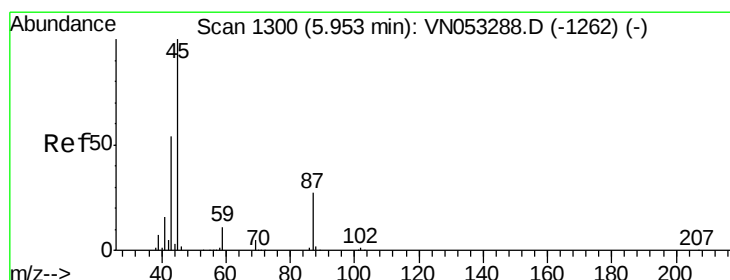
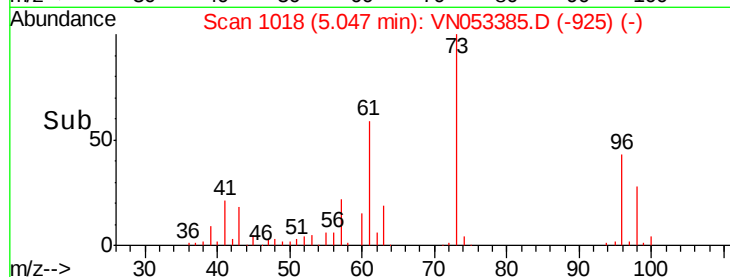
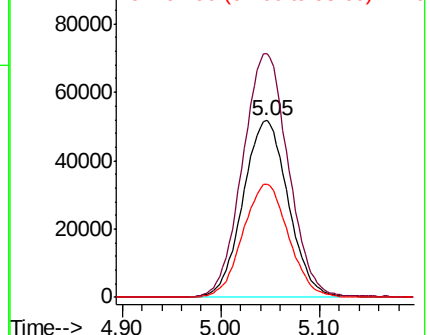
98 64.2 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.543 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Tgt Ion: 45 Resp: 561503

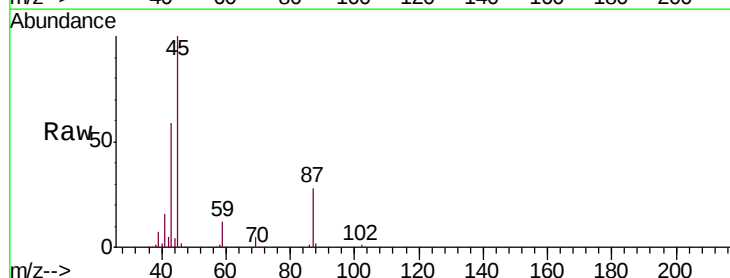
Ion Ratio Lower Upper

45 100

43 57.7 43.0 64.6

87 28.2 22.1 33.1

59 11.9 9.0 13.4

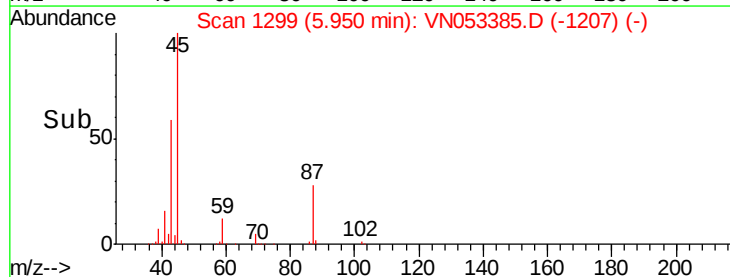
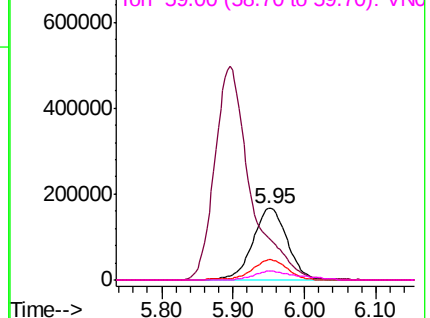


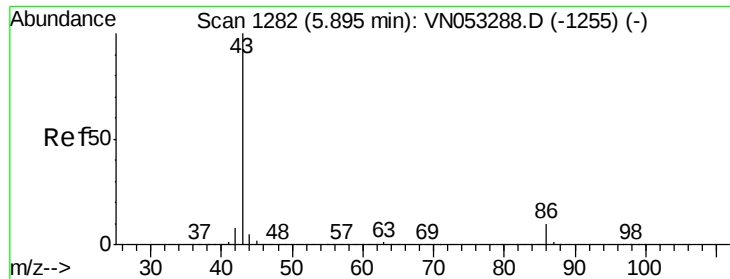
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.621 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

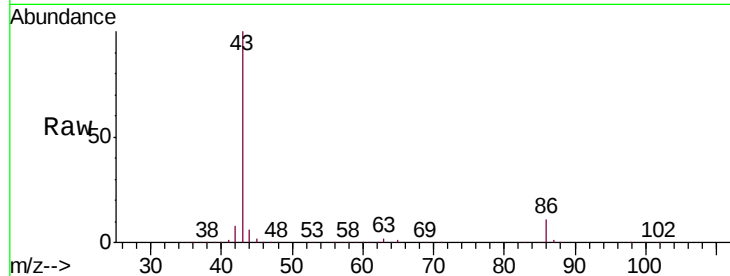
VN0114WBS01

Tgt Ion: 43 Resp: 1730473

Ion Ratio Lower Upper

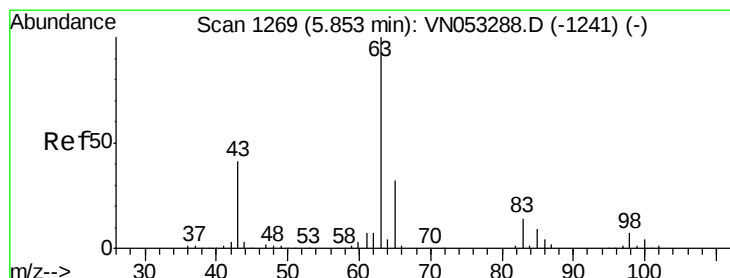
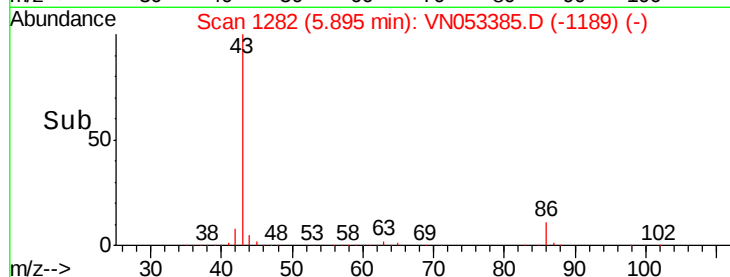
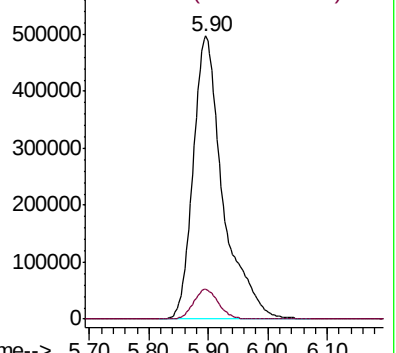
43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.409 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

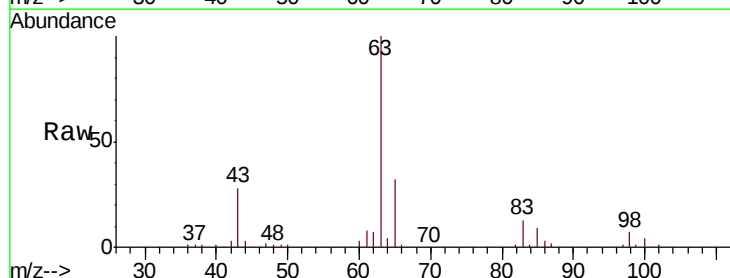
Tgt Ion: 63 Resp: 321729

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

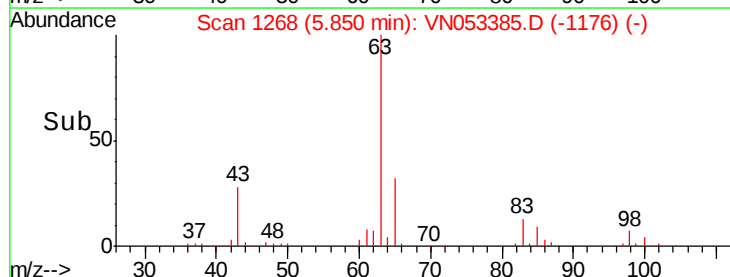
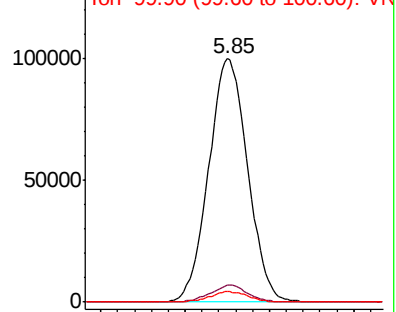
100 4.5 2.1 6.5

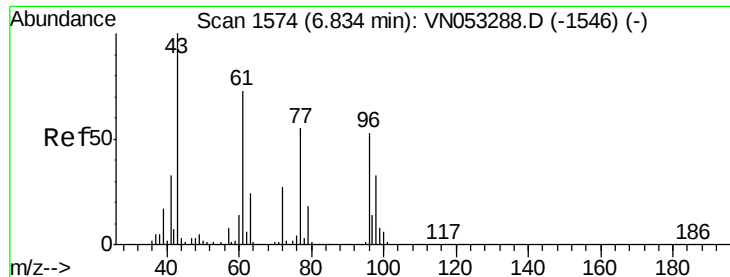


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

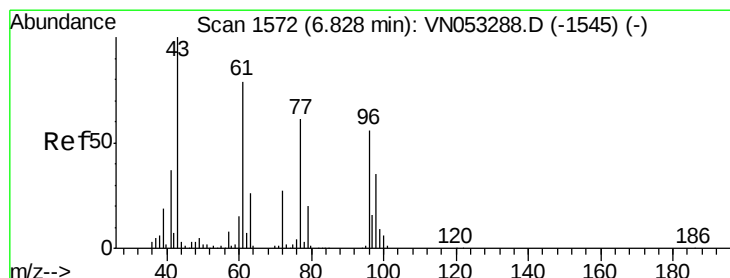
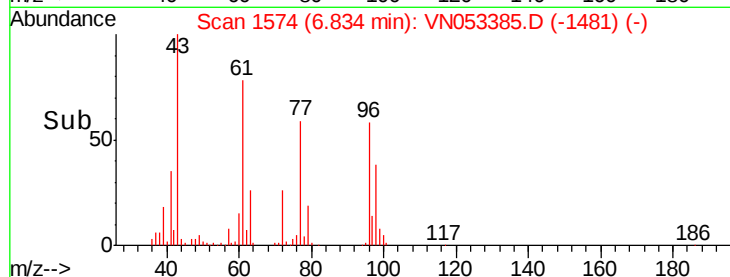
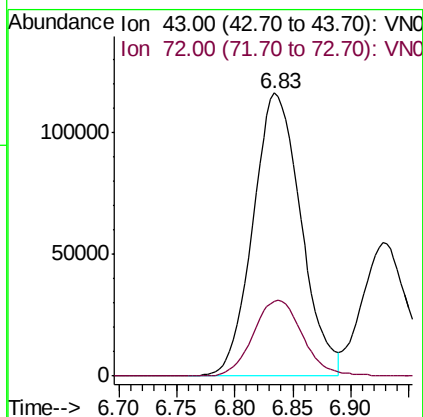
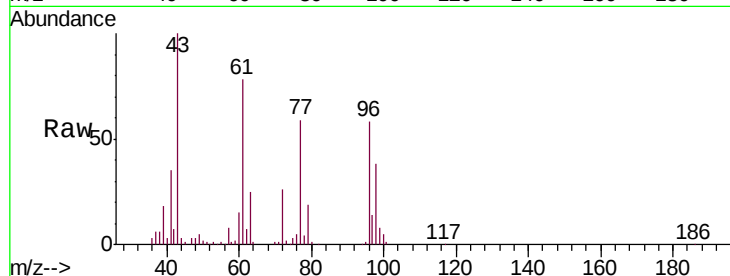




#25
2-Butanone
Concen: 93.086 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

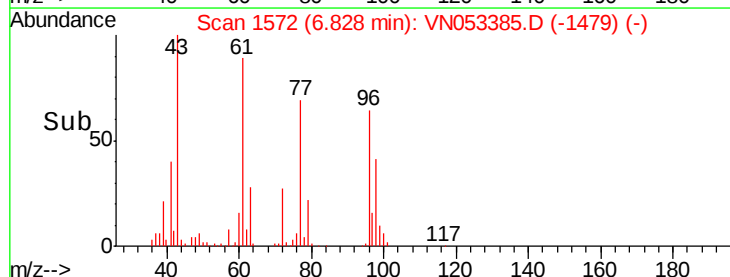
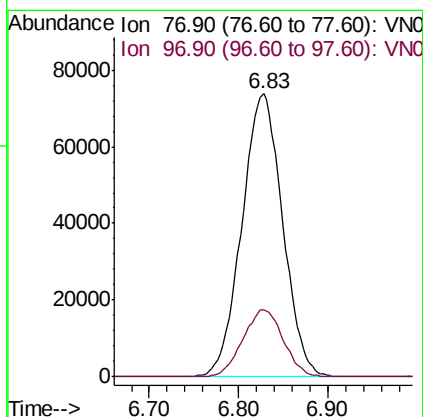
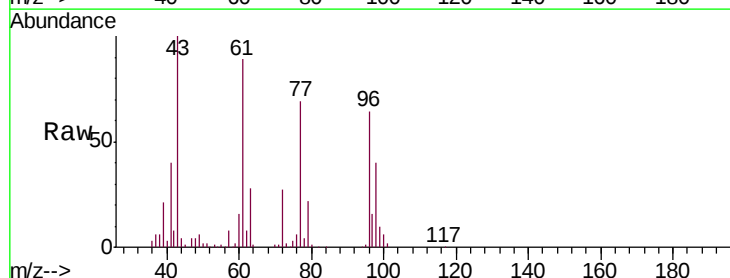
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

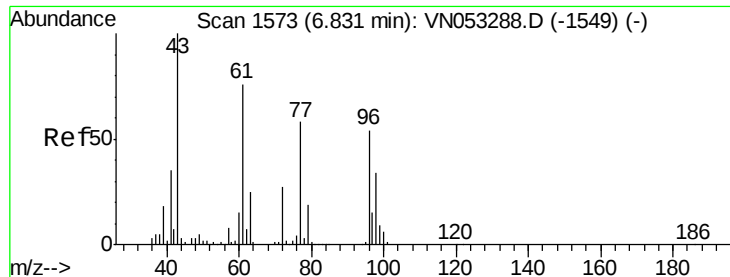
Tgt Ion: 43 Resp: 335195
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0



#26
2,2-Dichloropropane
Concen: 20.314 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 77 Resp: 234084
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.470 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

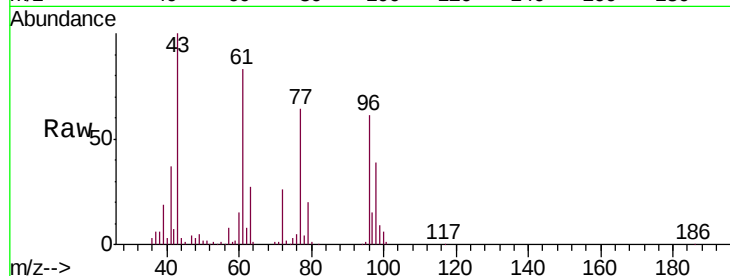
Tgt Ion: 96 Resp: 197583

Ion Ratio Lower Upper

96 100

61 140.3 0.0 280.6

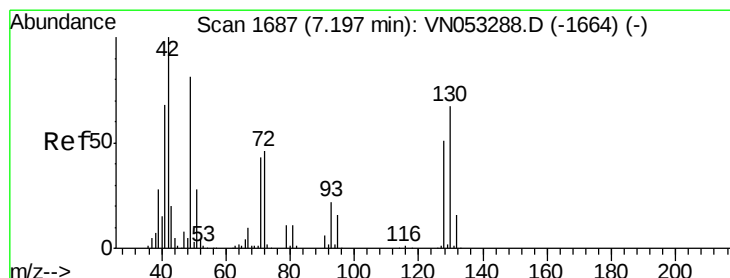
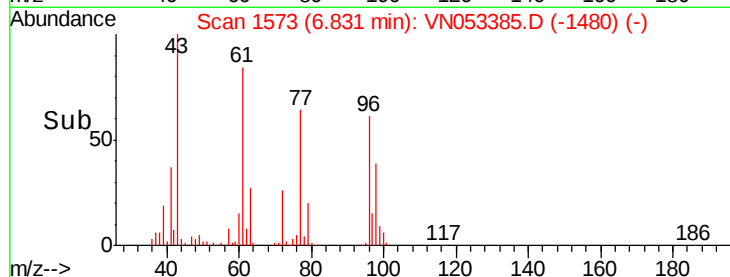
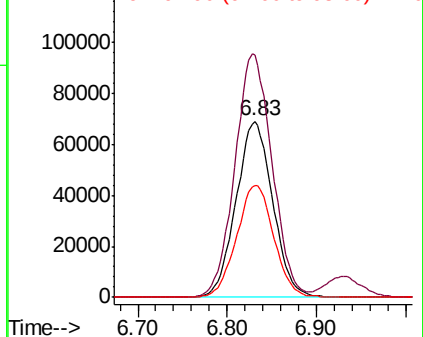
98 64.6 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.786 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

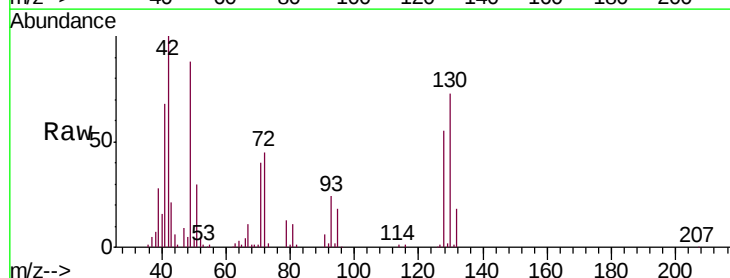
Tgt Ion: 49 Resp: 139634

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

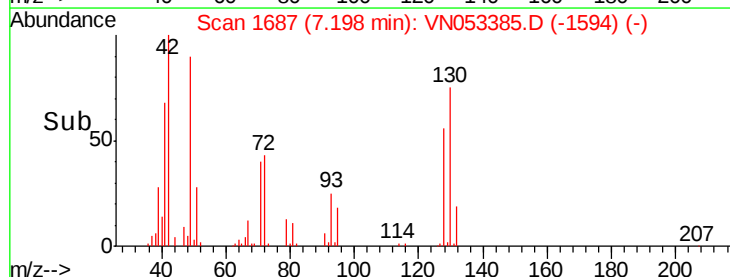
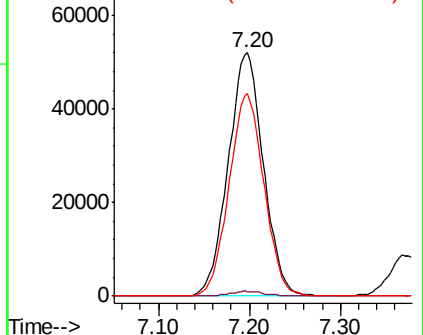
130 82.6 65.4 98.0

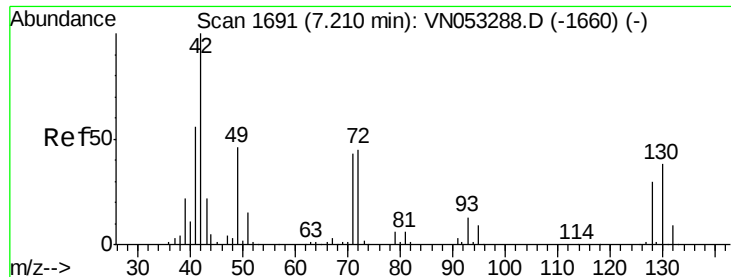


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.432 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

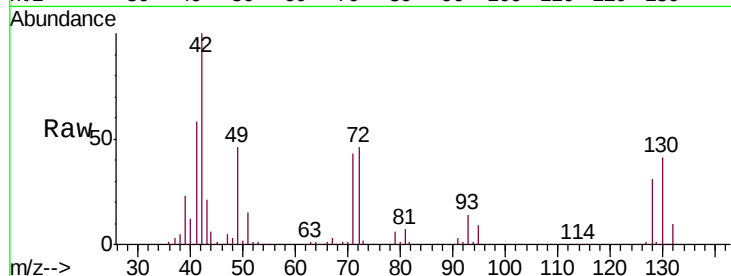
Tgt Ion: 42 Resp: 224397

Ion Ratio Lower Upper

42 100

72 43.3 35.6 53.4

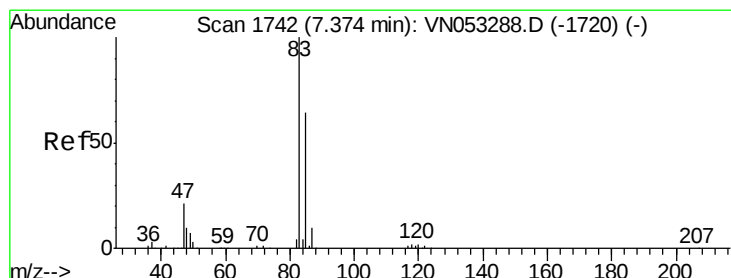
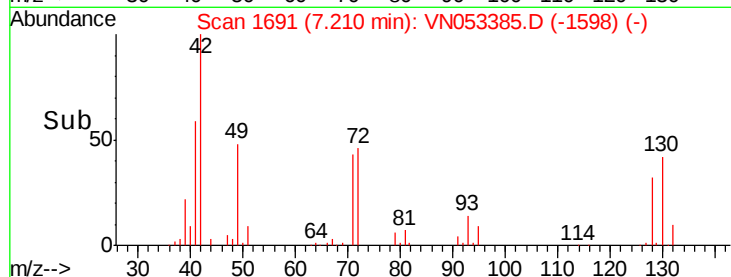
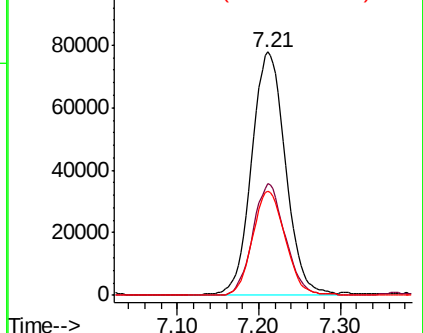
71 41.1 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.408 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053385.D

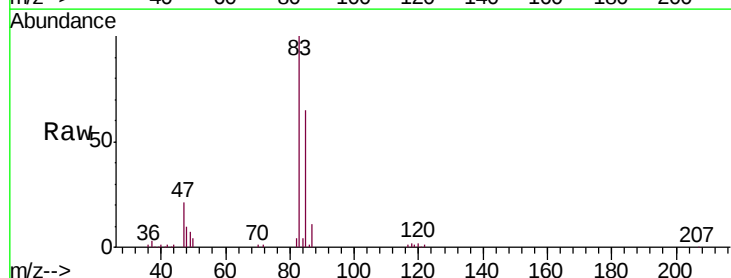
Acq: 14 Jan 2019 12:24

Tgt Ion: 83 Resp: 316655

Ion Ratio Lower Upper

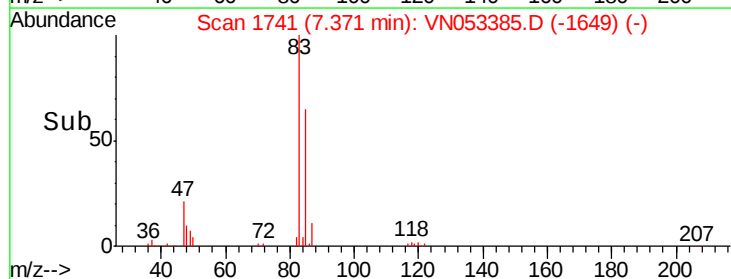
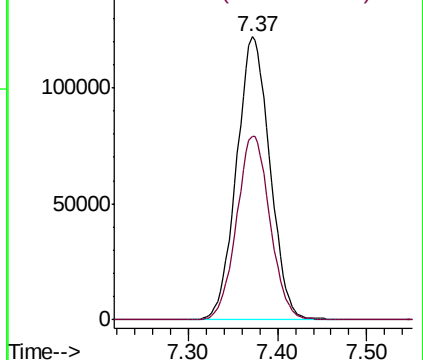
83 100

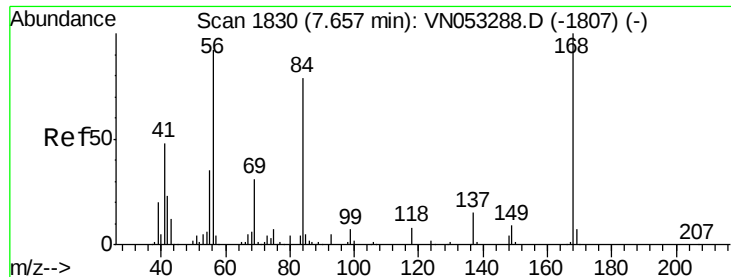
85 65.1 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

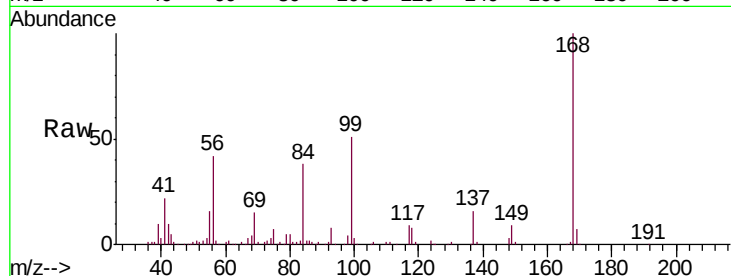




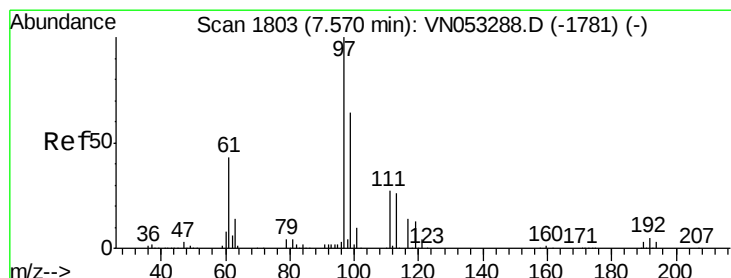
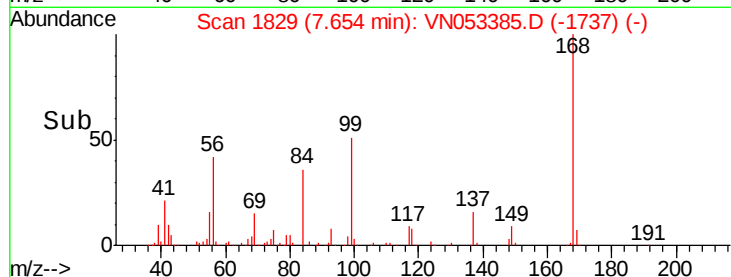
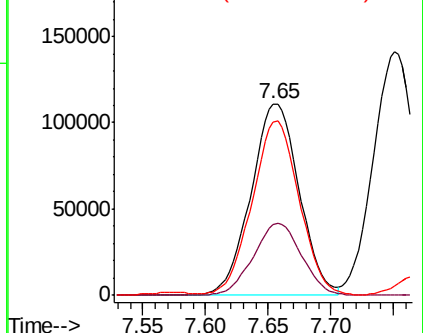
#31
Cyclohexane
Concen: 19.653 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Tgt Ion: 56 Resp: 296172
Ion Ratio Lower Upper
56 100
69 36.7 26.7 40.1
84 89.2 68.2 102.4

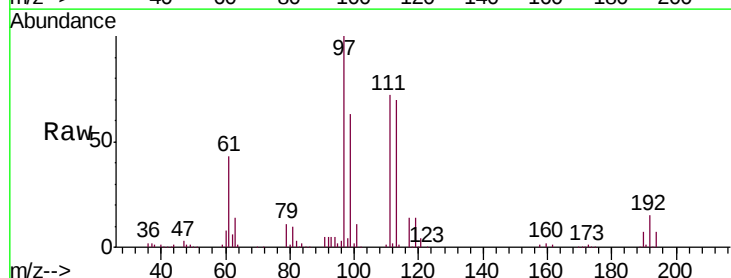


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

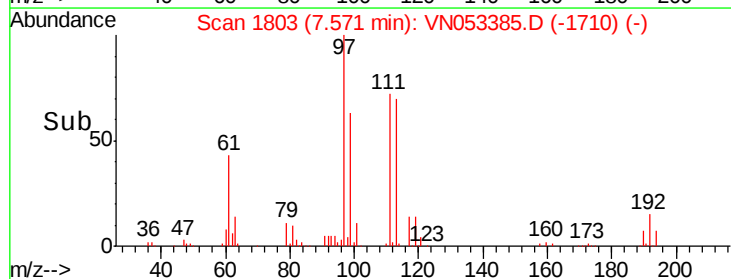
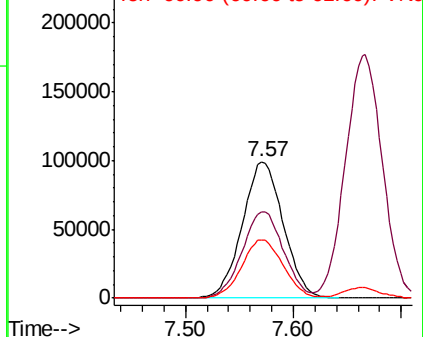


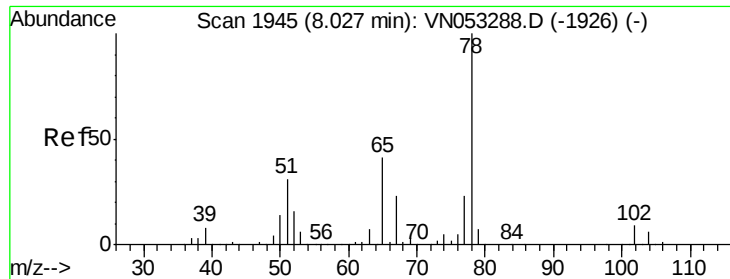
#32
1,1,1-Trichloroethane
Concen: 20.238 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 97 Resp: 261675
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 43.4 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

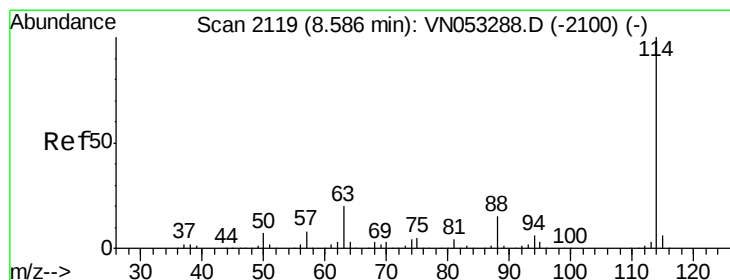
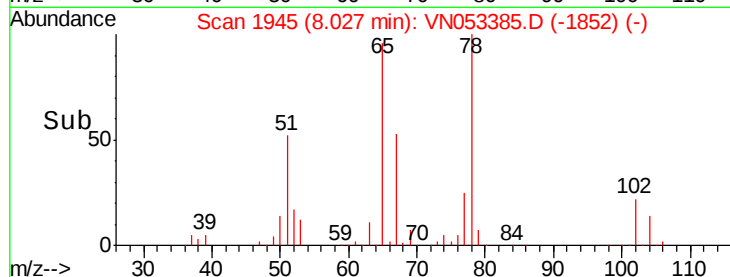
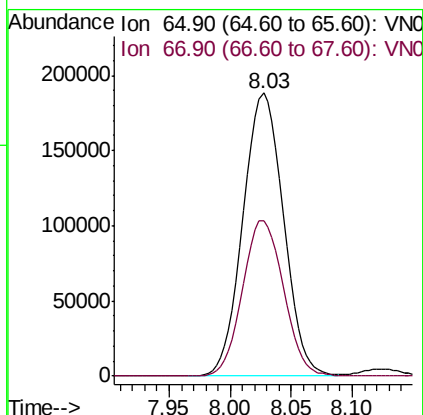
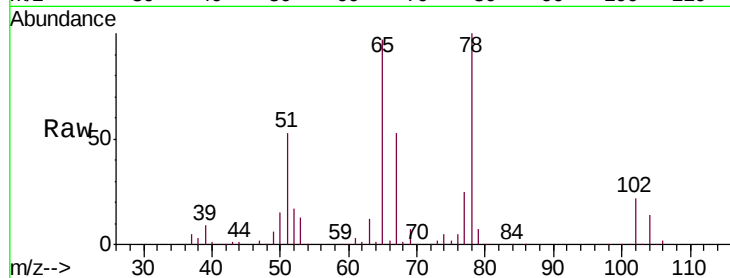




#33
 1,2-Dichloroethane-d4
 Concen: 20.238 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

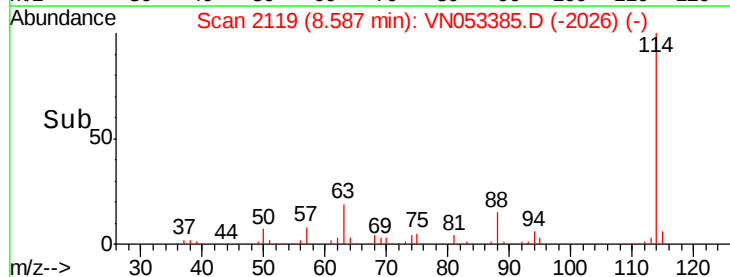
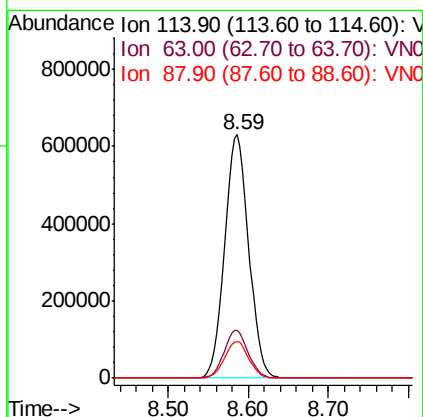
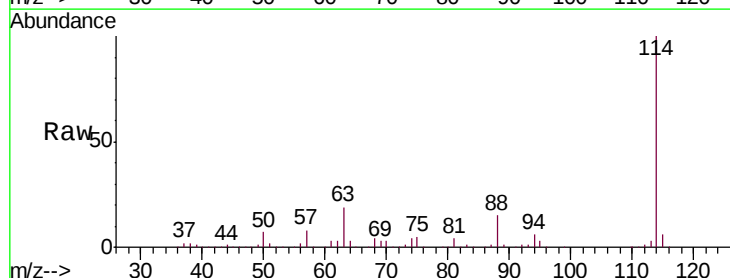
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

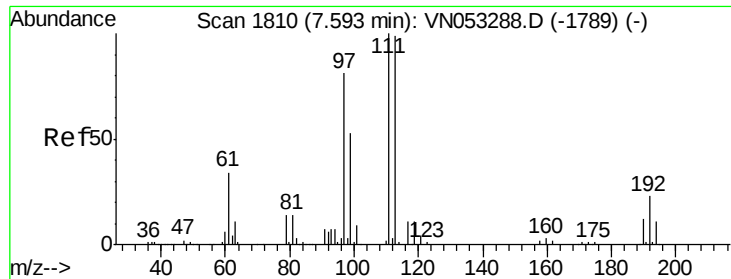
Tgt Ion: 65 Resp: 434073
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 114 Resp: 1295124
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.1 0.0 30.8

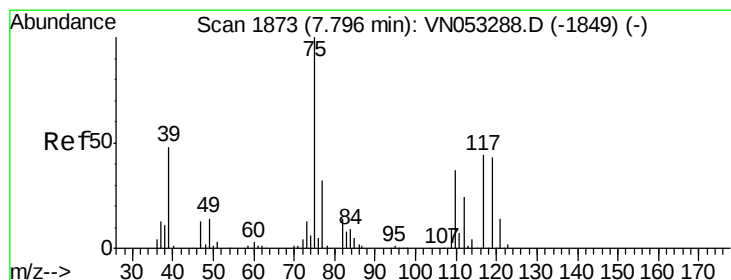
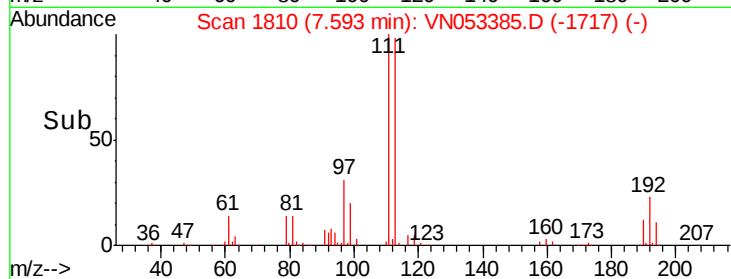
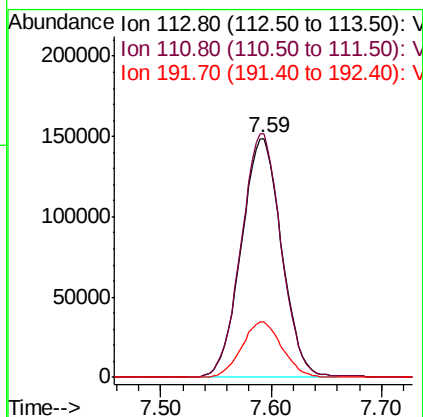
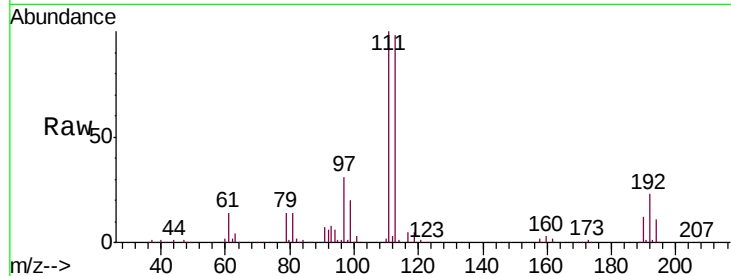




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

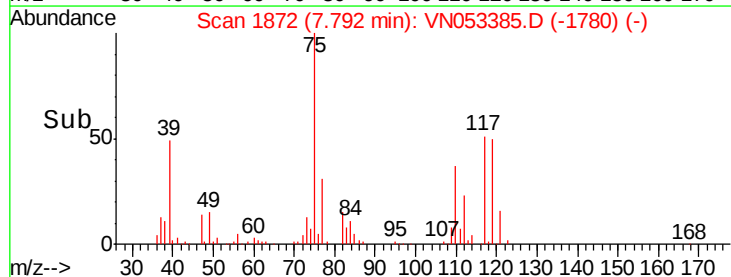
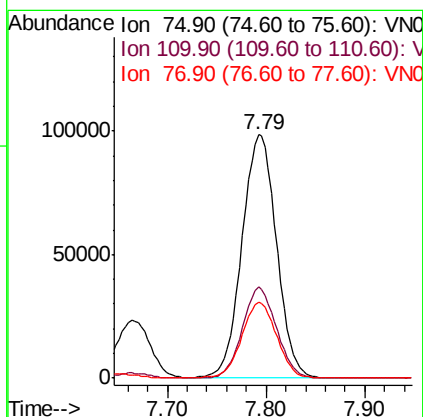
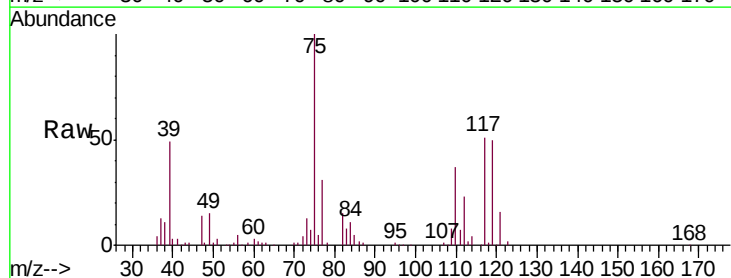
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

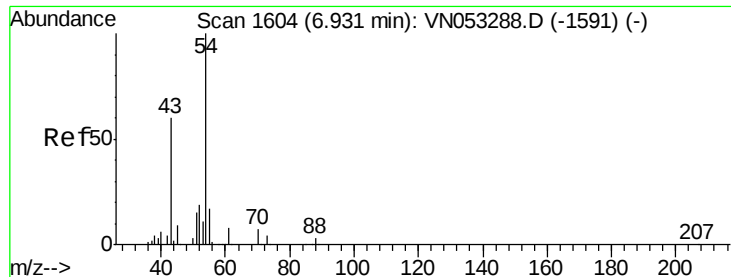
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	23.2	17.9	26.9



#36
1,1-Dichloropropene
Concen: 19.670 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.0
77	31.8	25.3	37.9

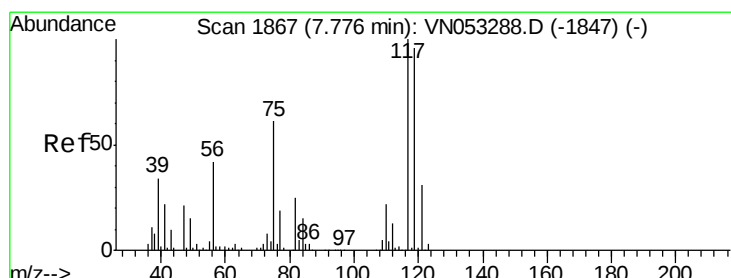
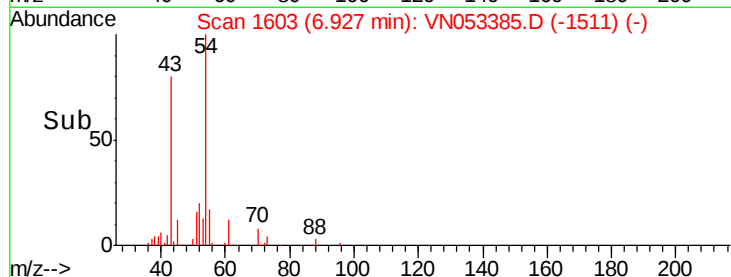
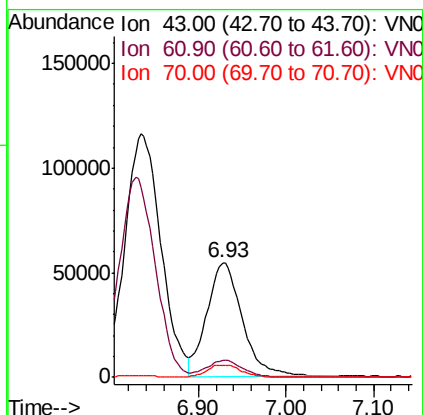
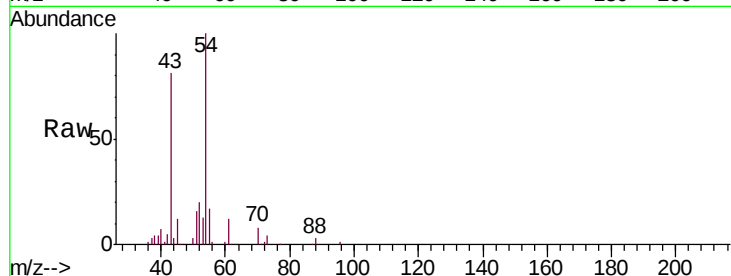




#37
Ethyl Acetate
Concen: 19.424 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

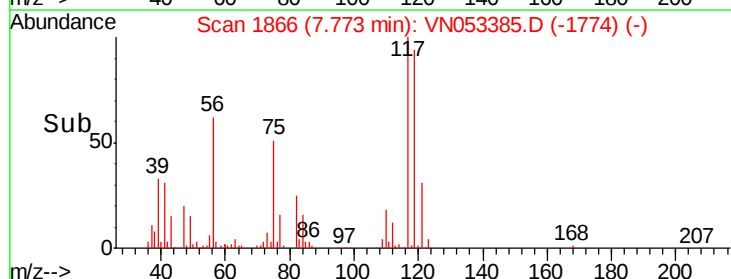
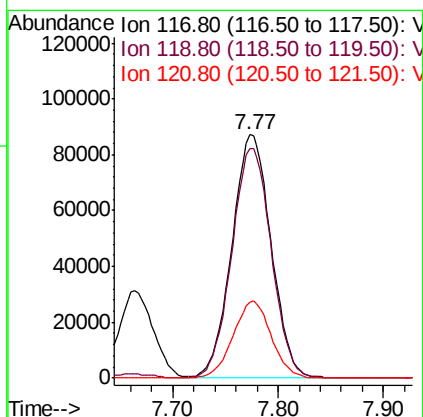
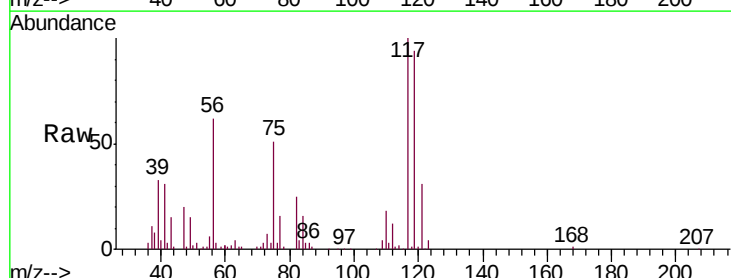
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

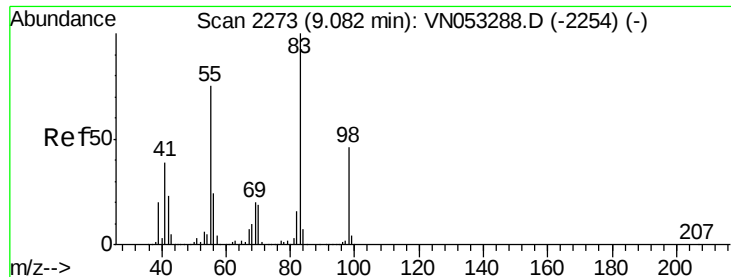
Tgt Ion: 43 Resp: 152971
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.186 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 117 Resp: 225277
Ion Ratio Lower Upper
117 100
119 94.4 76.6 115.0
121 31.2 25.0 37.4

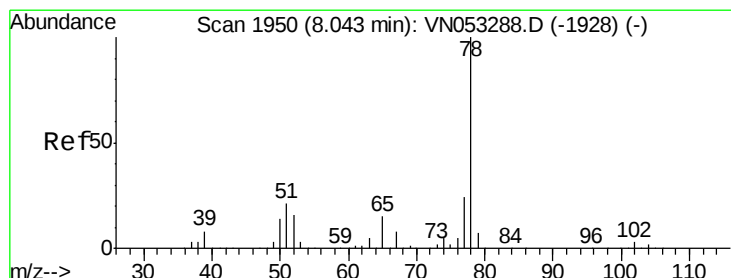
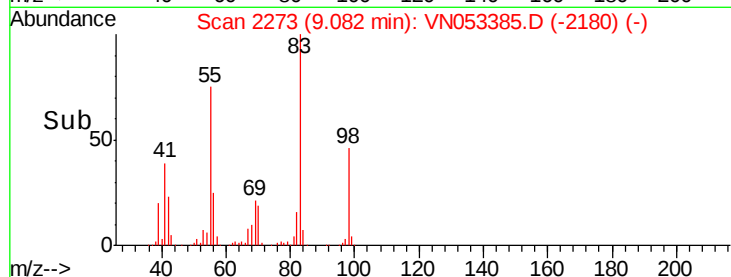
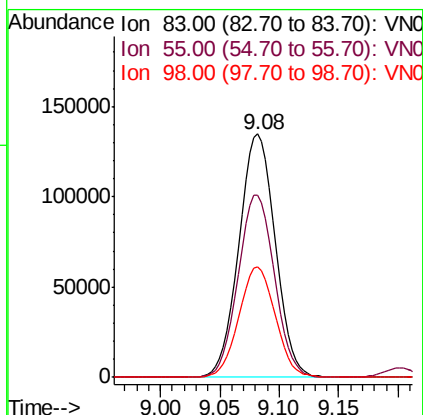
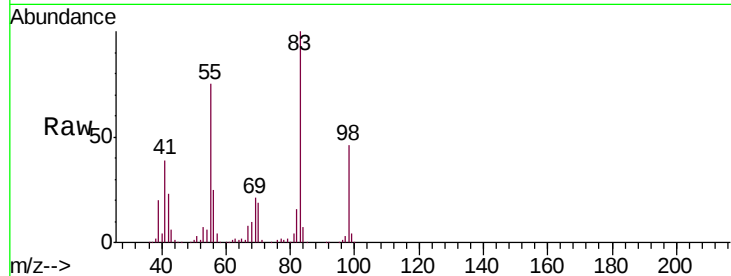




#39
Methylcyclohexane
Concen: 20.415 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

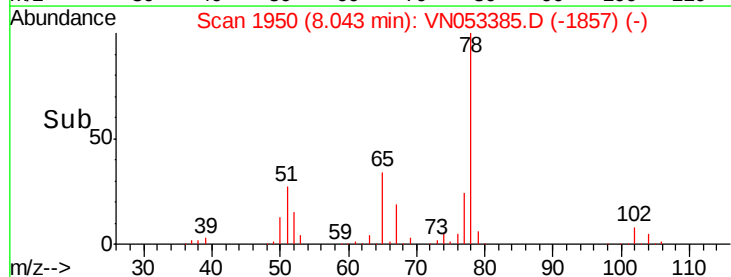
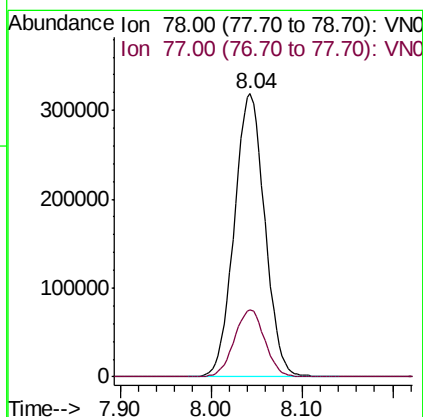
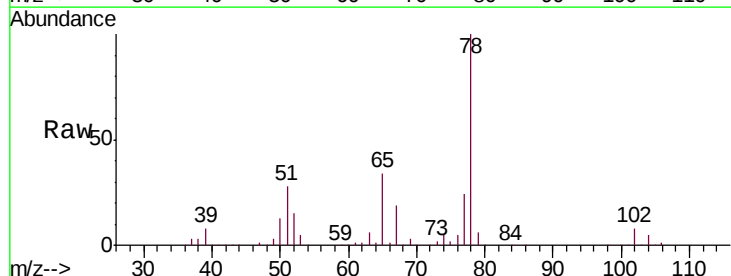
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

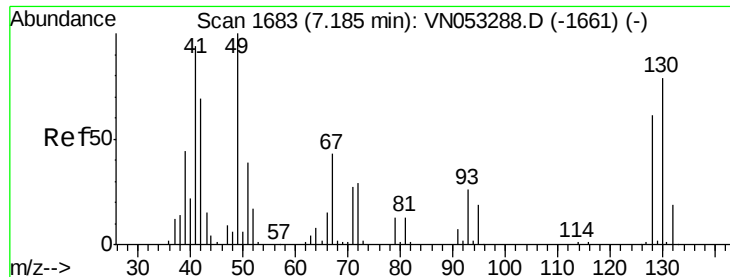
Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.1	90.1
98	45.6	36.7	55.1



#40
Benzene
Concen: 20.104 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 16.337 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

Tgt Ion: 41 Resp: 79879

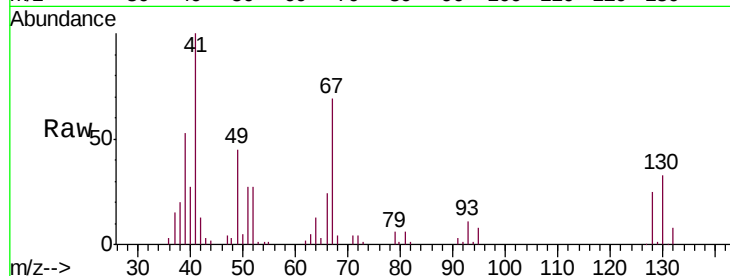
Ion Ratio Lower Upper

41 100

39 68.0 0.0 0.0#

67 89.9 0.0 0.0#

52 33.9 0.0 0.0#

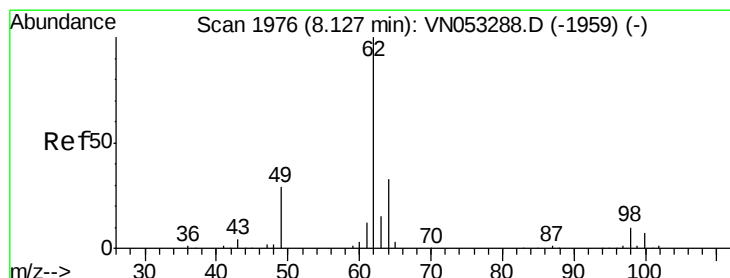
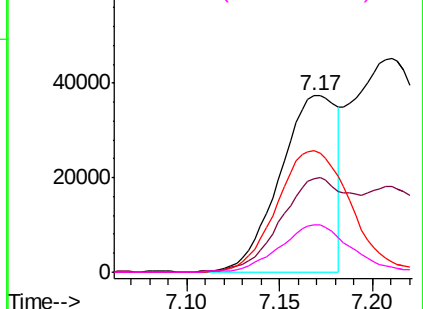
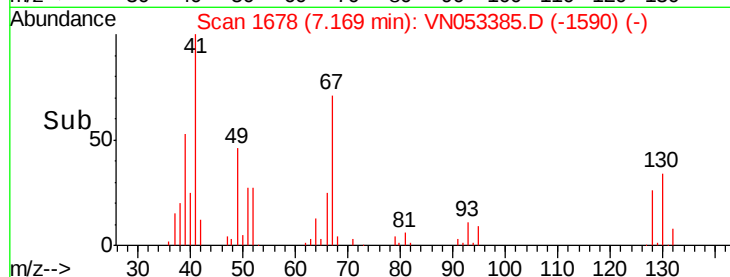


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.335 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053385.D

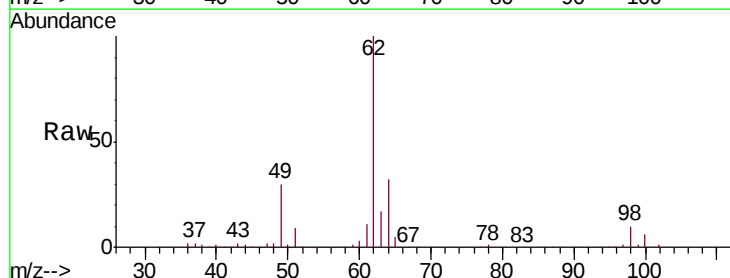
Acq: 14 Jan 2019 12:24

Tgt Ion: 62 Resp: 222771

Ion Ratio Lower Upper

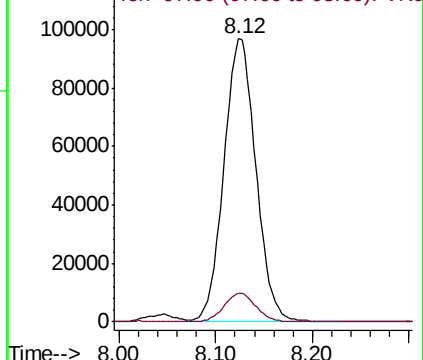
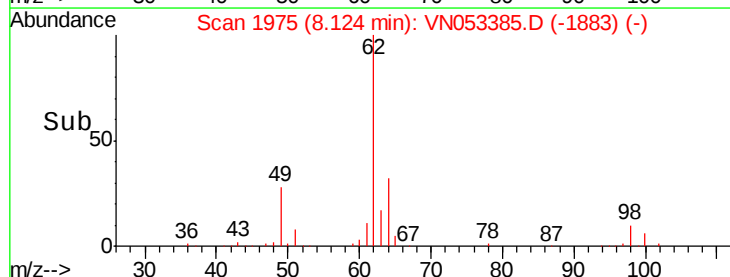
62 100

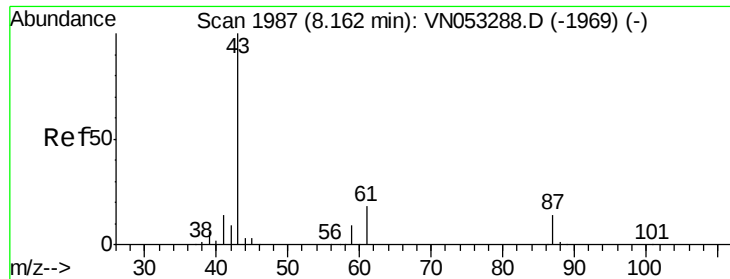
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

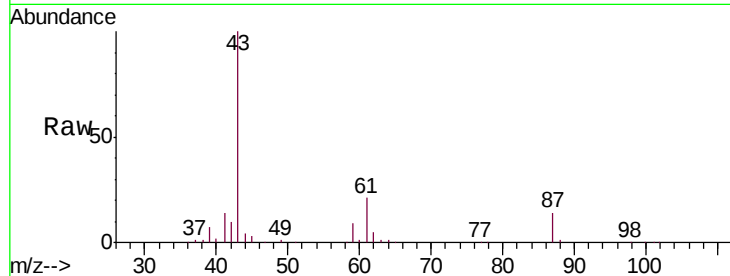




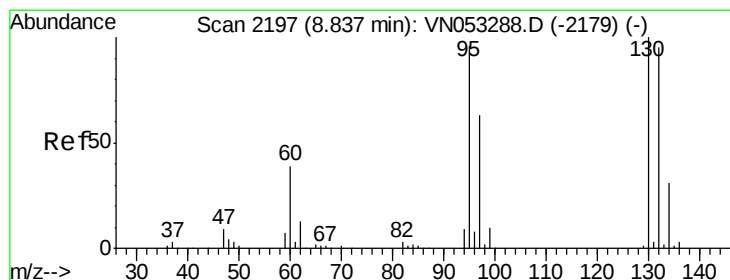
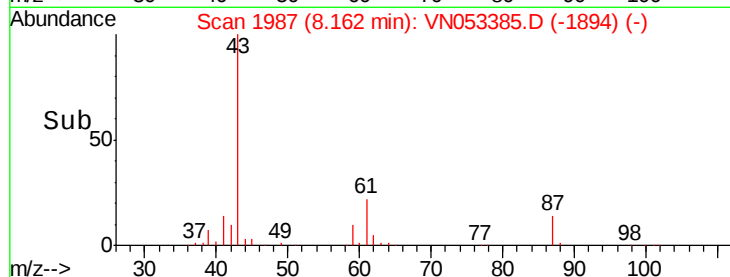
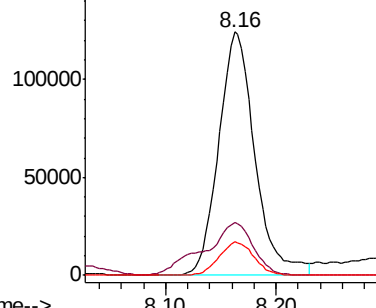
#43
Isopropyl Acetate
Concen: 18.199 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Tgt Ion: 43 Resp: 281956
Ion Ratio Lower Upper
43 100
61 28.9 23.3 34.9
87 13.3 10.8 16.2

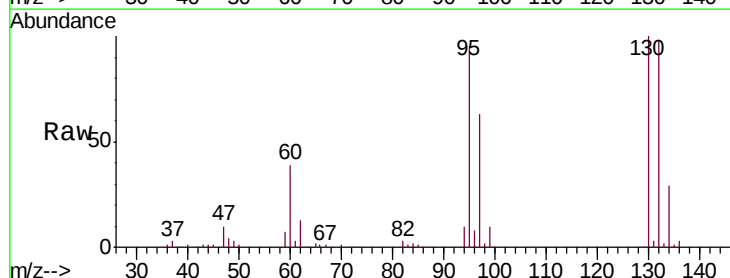


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

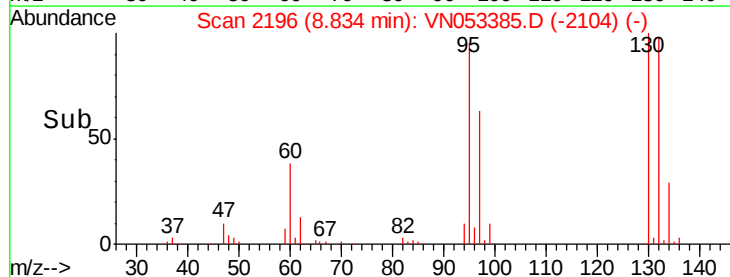
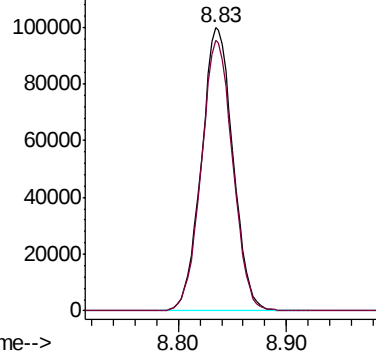


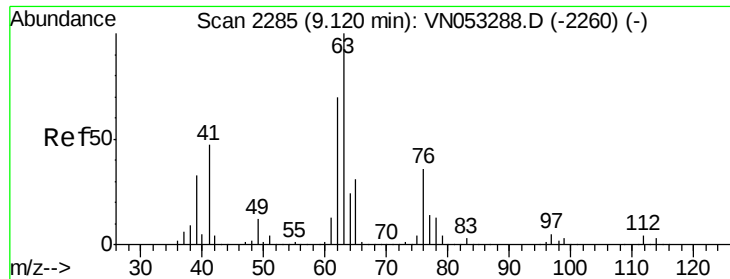
#44
Trichloroethene
Concen: 20.087 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 130 Resp: 203704
Ion Ratio Lower Upper
130 100
95 95.5 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

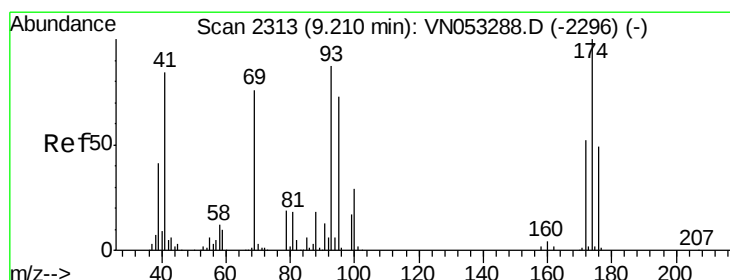
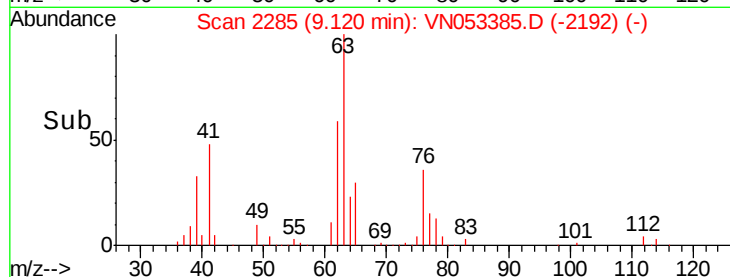
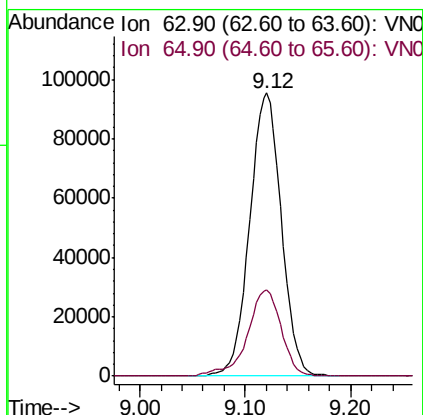
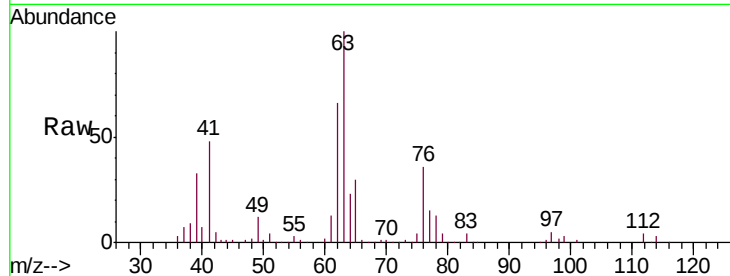




#45
 1,2-Dichloropropane
 Concen: 20.590 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

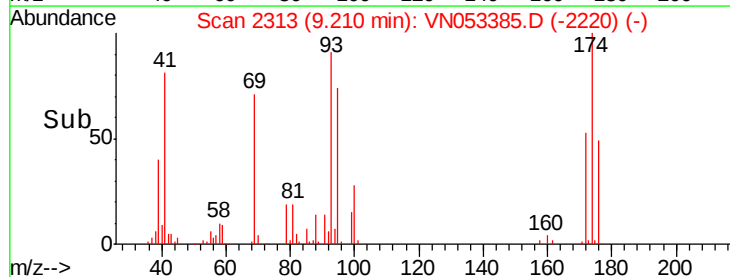
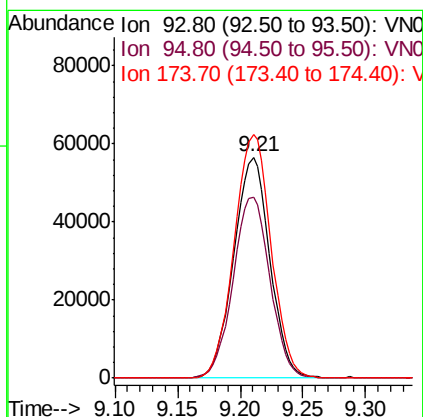
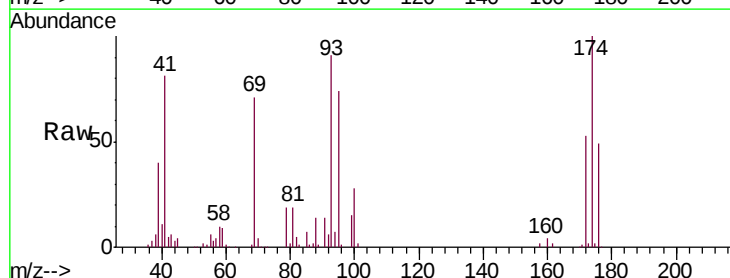
Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBS01

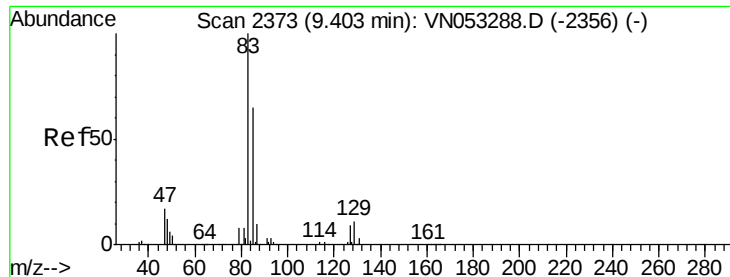
Tgt Ion: 63 Resp: 199444
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.108 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 93 Resp: 113567
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 112.5 91.4 137.0





#47

Bromodichloromethane

Concen: 19.944 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

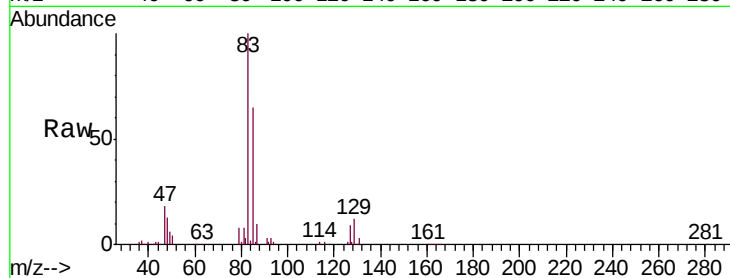
Tgt Ion: 83 Resp: 234739

Ion Ratio Lower Upper

83 100

85 65.1 51.7 77.5

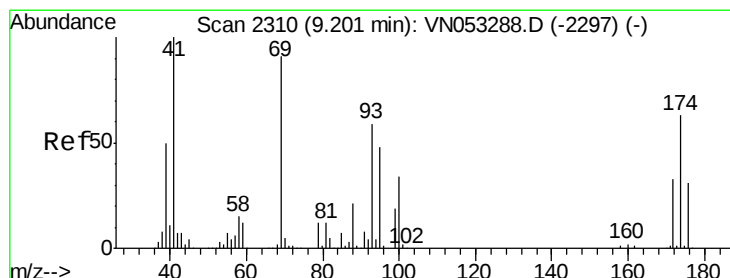
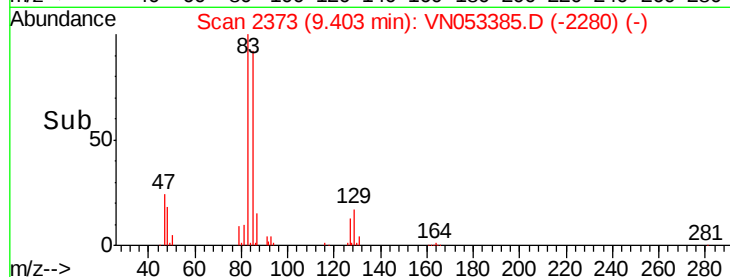
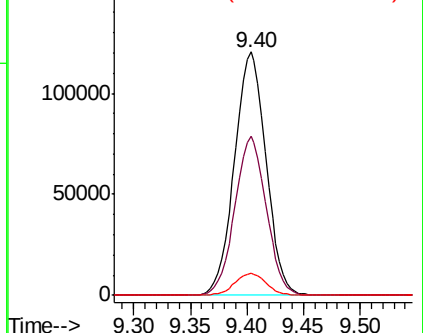
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 19.181 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

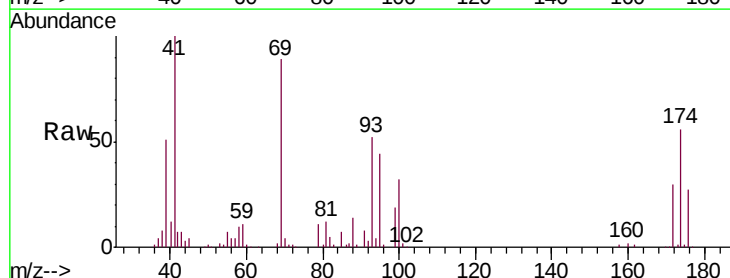
Tgt Ion: 41 Resp: 135009

Ion Ratio Lower Upper

41 100

69 92.9 73.5 110.3

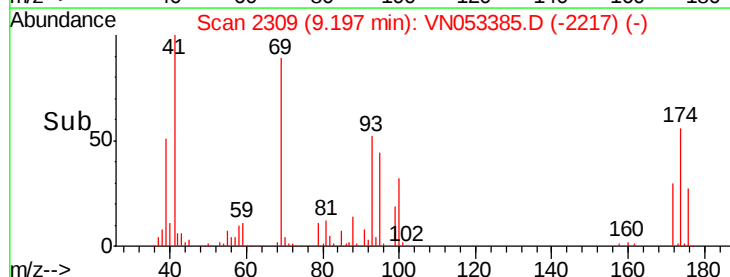
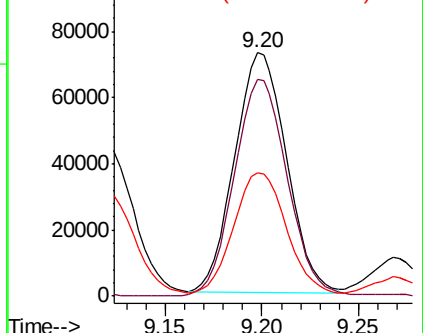
39 53.4 41.6 62.4

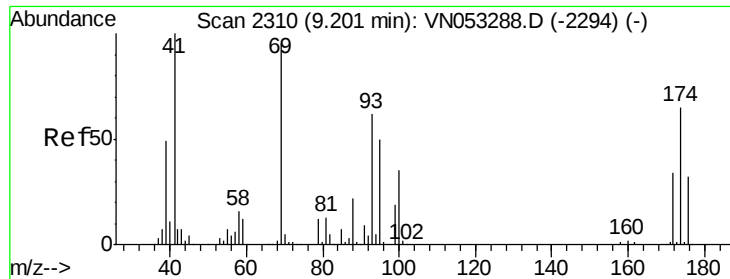


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 296.085 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

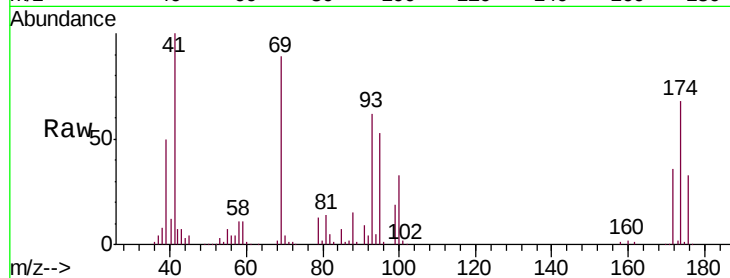
Tgt Ion: 88 Resp: 22204

Ion Ratio Lower Upper

88 100

43 39.1 26.2 39.4

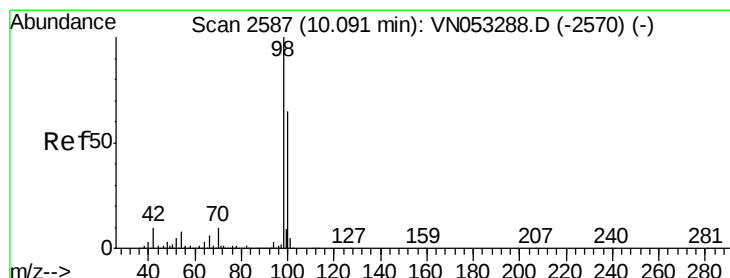
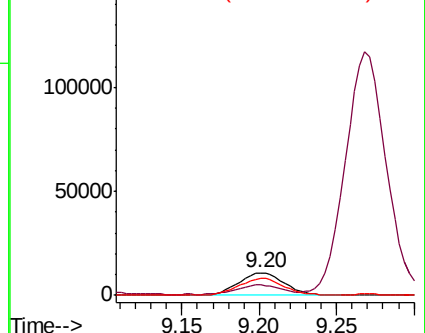
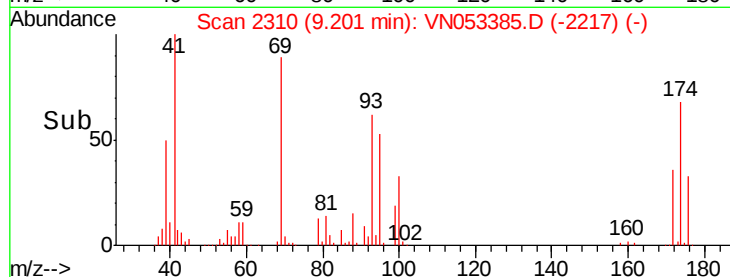
58 74.8 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VN053385.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN053385.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053385.D (-2217) (-)



#50

Toluene-d8

Concen: 296.085 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053385.D

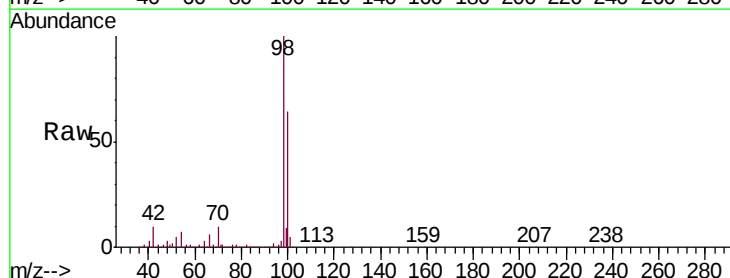
Acq: 14 Jan 2019 12:24

Tgt Ion: 98 Resp: 1559616

Ion Ratio Lower Upper

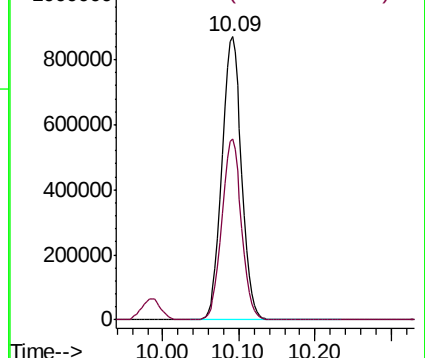
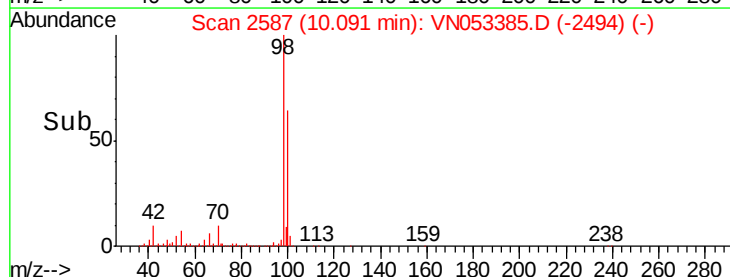
98 100

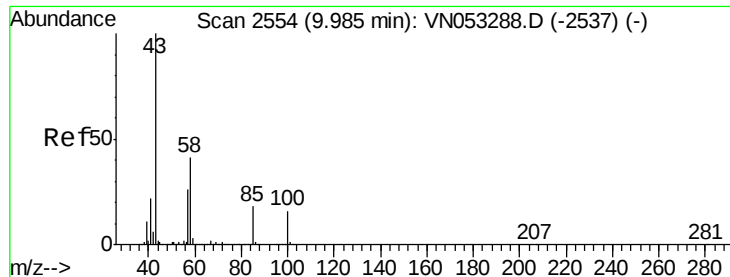
100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053385.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053385.D (-2494) (-)

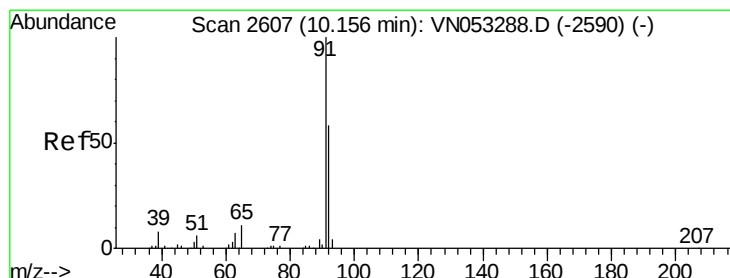
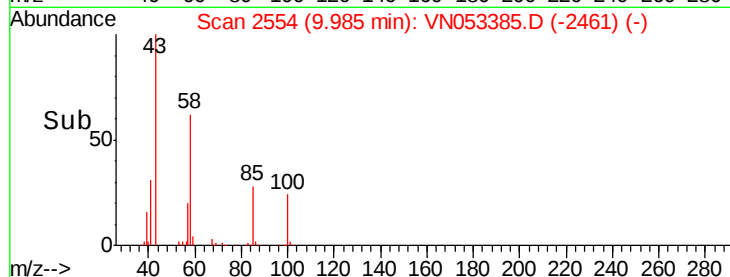
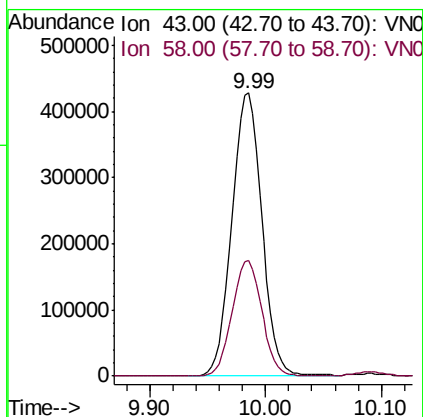
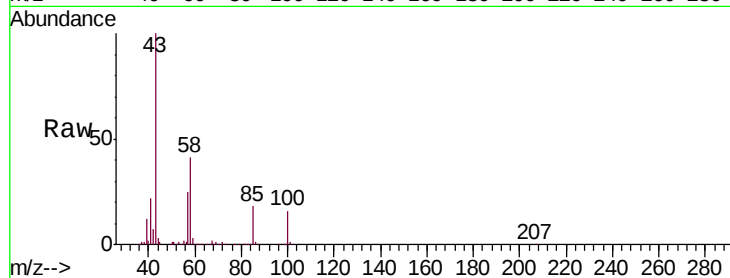




#51
 4-Methyl-2-Pentanone
 Concen: 98.022 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

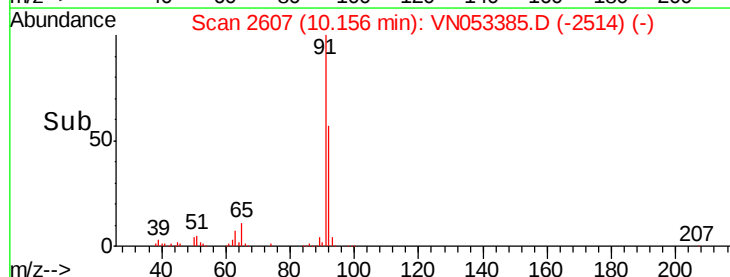
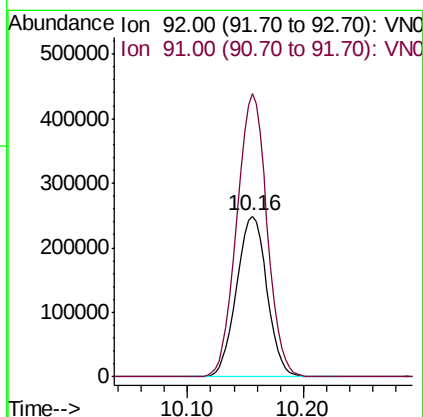
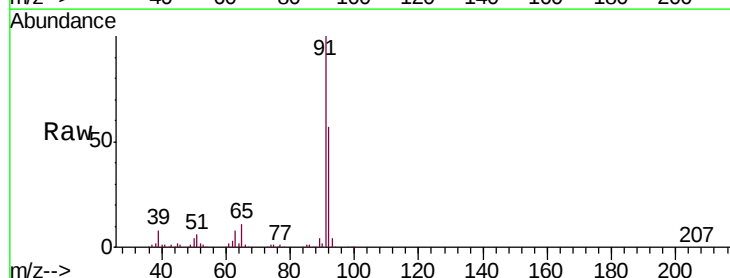
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

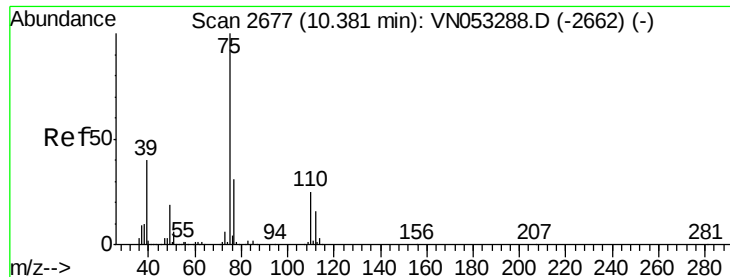
Tgt Ion: 43 Resp: 763707
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.7 49.1



#52
 Toluene
 Concen: 19.951 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 92 Resp: 452064
 Ion Ratio Lower Upper
 92 100
 91 175.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.820 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

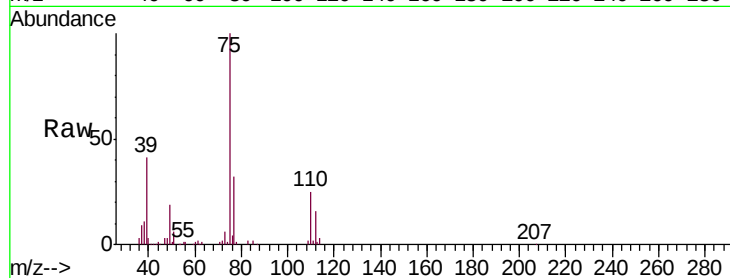
VN0114WBS01

Tgt Ion: 75 Resp: 238639

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

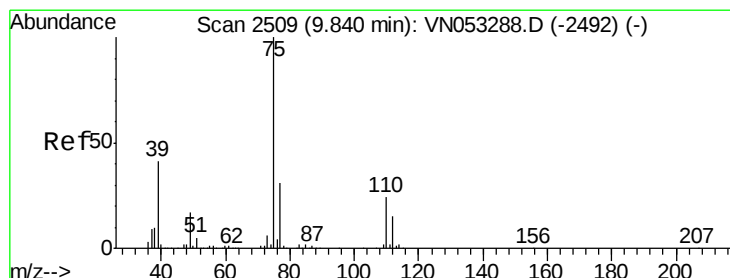
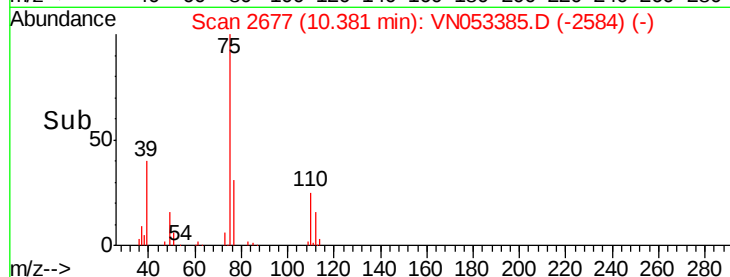
150000

100000

50000

0

Time--> 10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 20.417 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

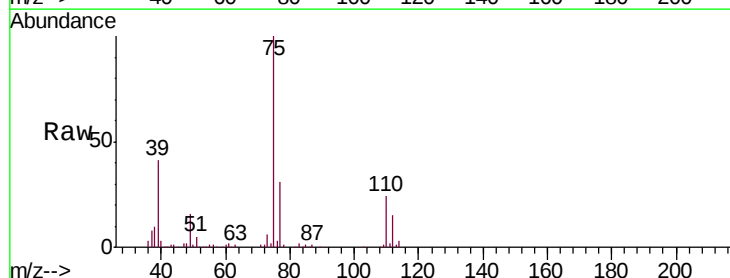
Tgt Ion: 75 Resp: 284072

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

39 41.5 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

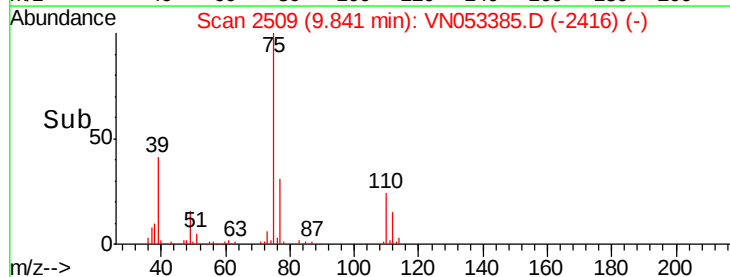
150000

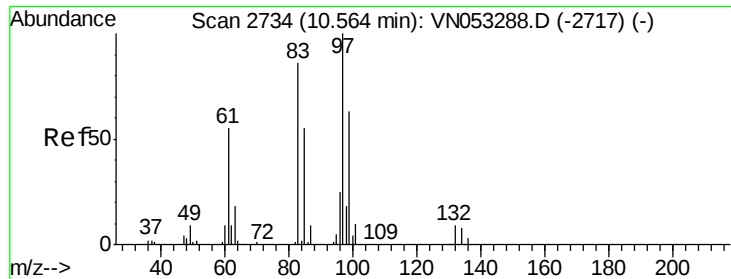
100000

50000

0

Time--> 9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 19.795 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

Tgt Ion: 97 Resp: 164915

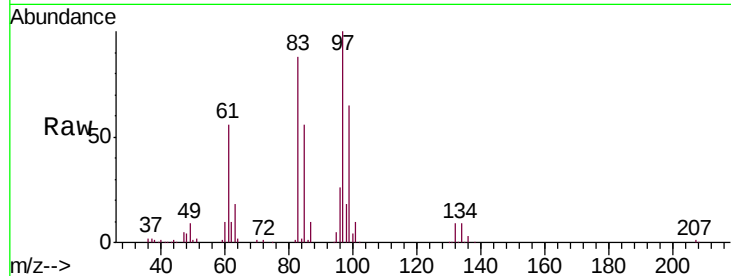
Ion Ratio Lower Upper

97 100

83 88.0 69.1 103.7

85 56.1 44.2 66.4

99 64.6 50.3 75.5

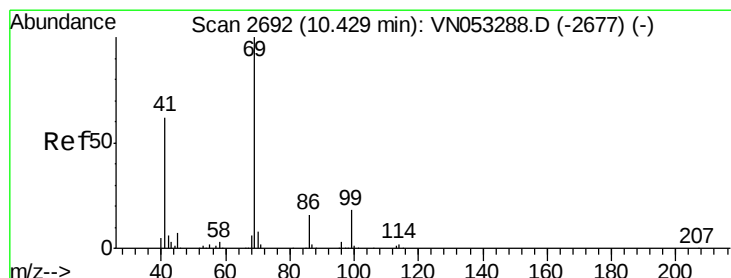
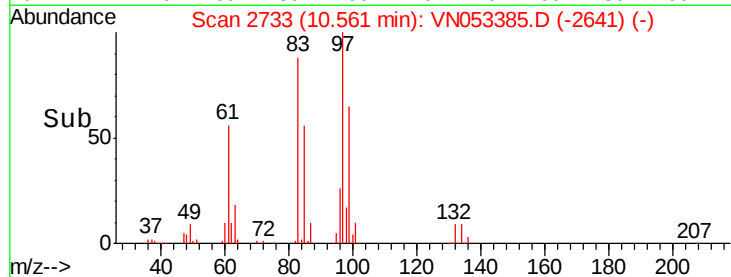
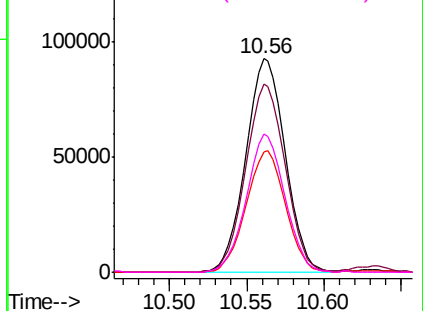


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.637 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

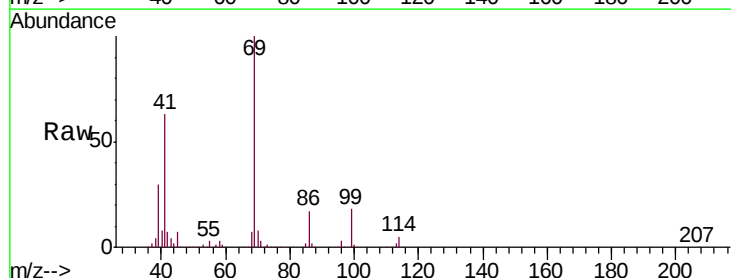
Tgt Ion: 69 Resp: 212607

Ion Ratio Lower Upper

69 100

41 62.8 49.2 73.8

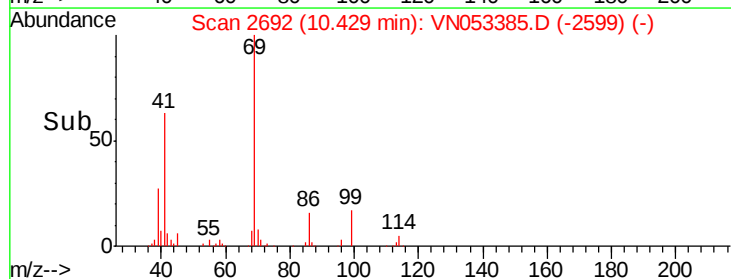
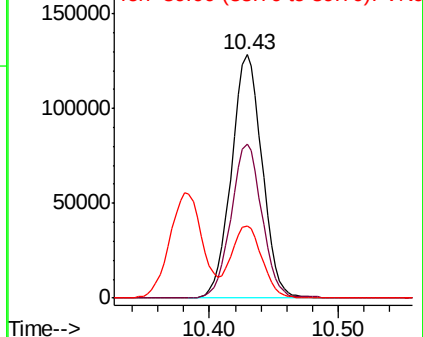
39 29.7 23.4 35.0

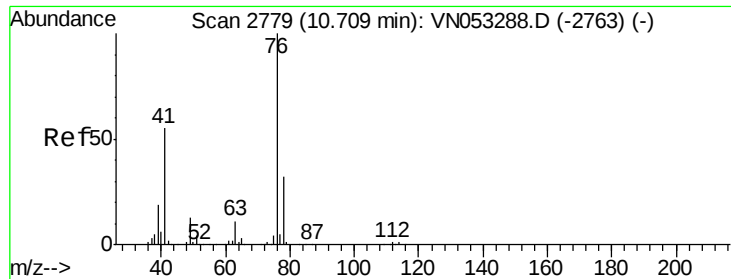


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

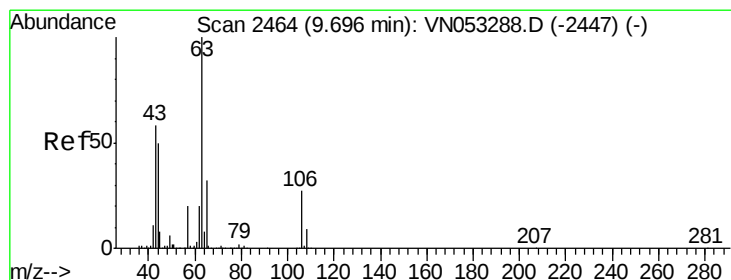
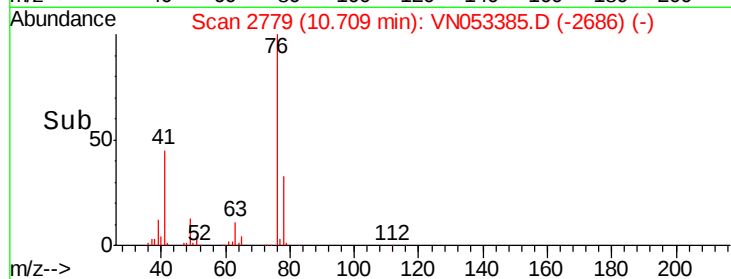
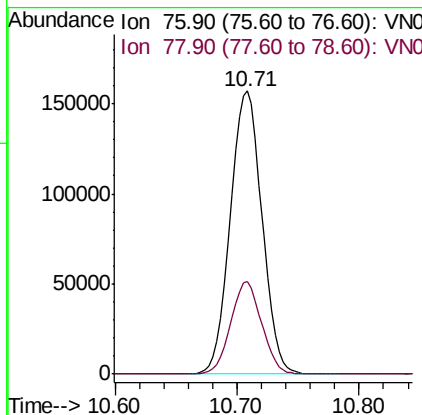
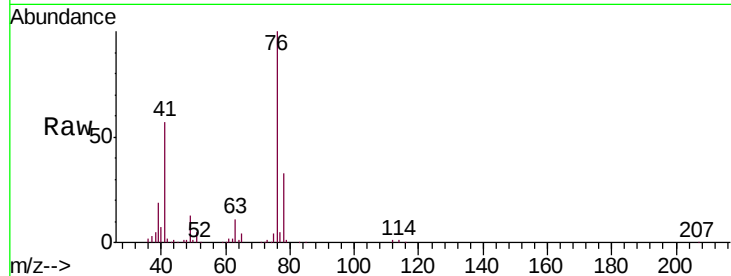




#57
 1,3-Dichloropropane
 Concen: 20.368 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

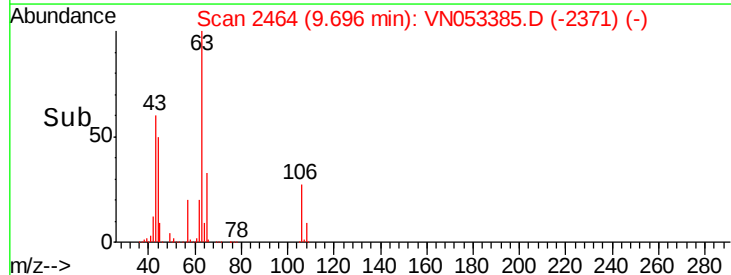
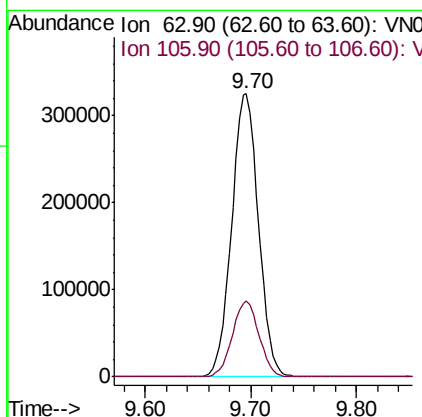
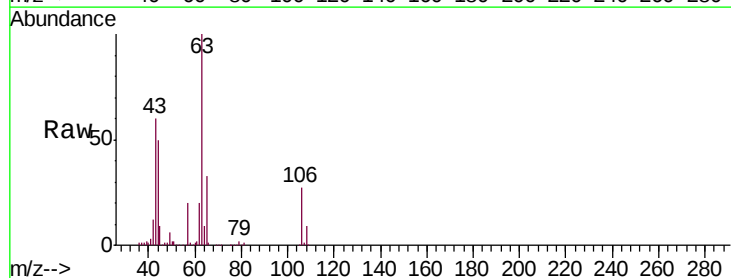
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

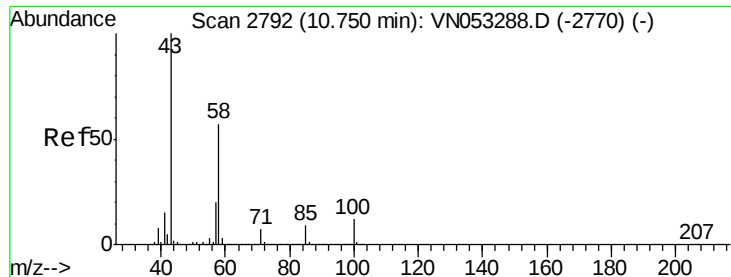
Tgt Ion: 76 Resp: 283782
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.513 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 63 Resp: 570758
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.7 32.5

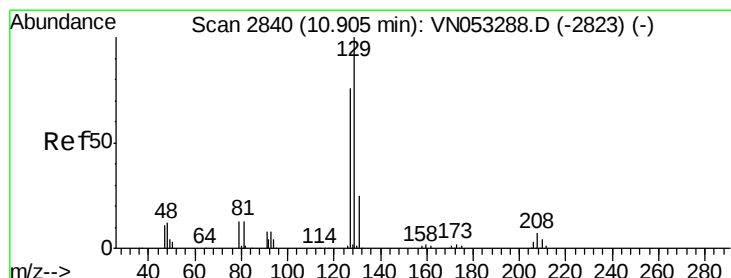
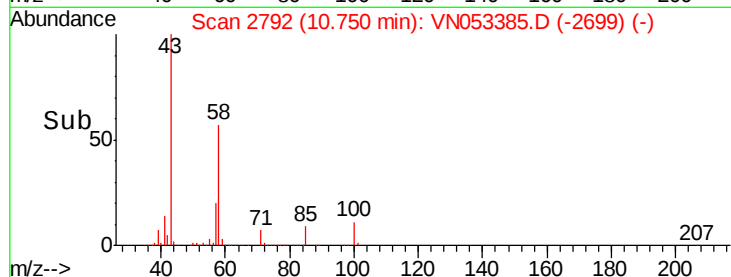
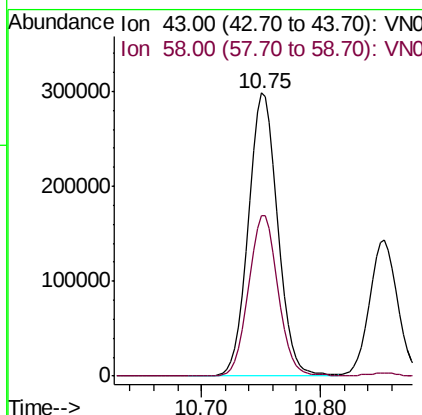
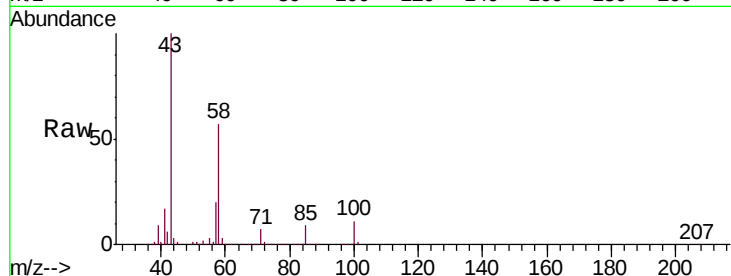




#59
2-Hexanone
Concen: 95.268 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

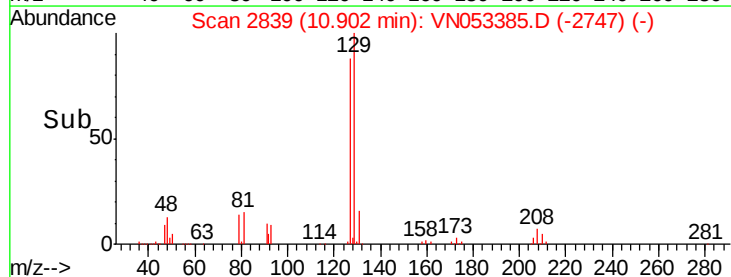
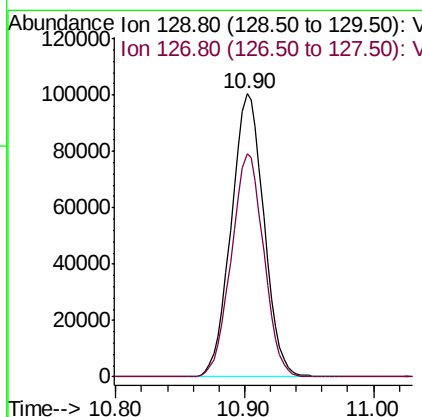
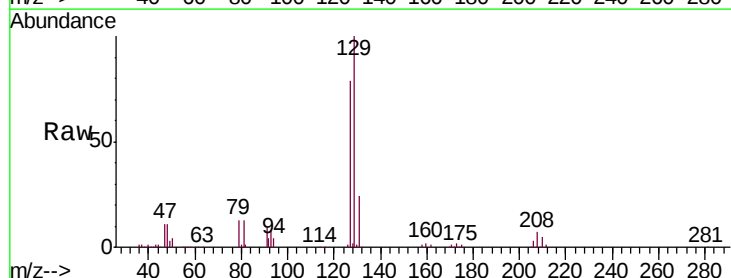
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

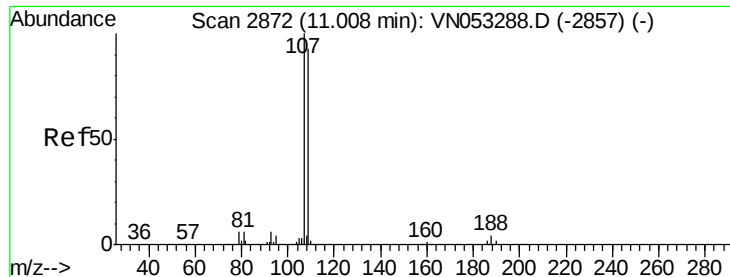
Tgt Ion: 43 Resp: 508561
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0



#60
Dibromochloromethane
Concen: 19.679 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion: 129 Resp: 176838
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.672 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

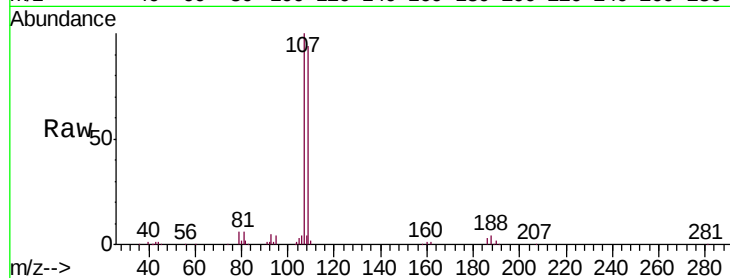
VN0114WBS01

Tgt Ion: 107 Resp: 161734

Ion Ratio Lower Upper

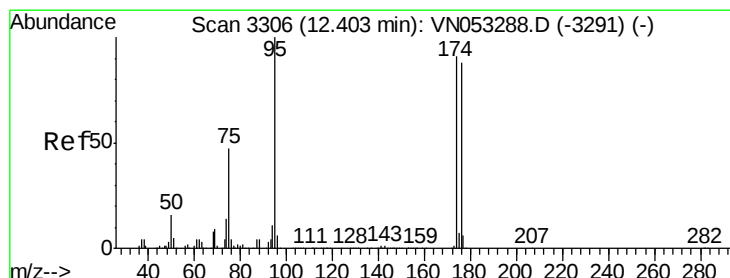
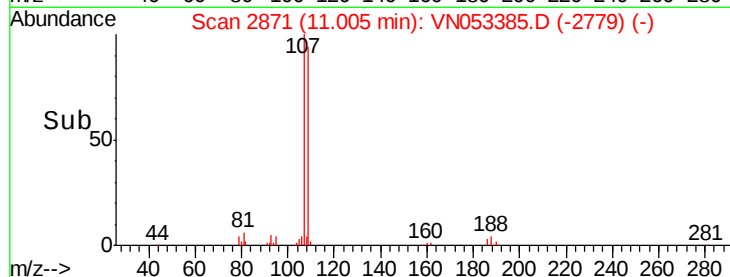
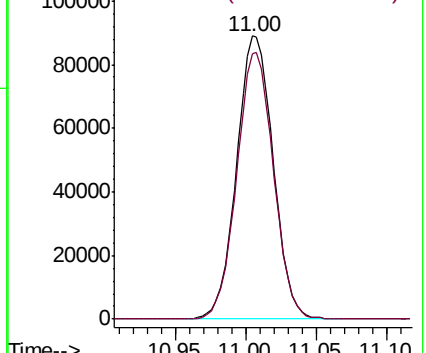
107 100

109 94.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.672 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

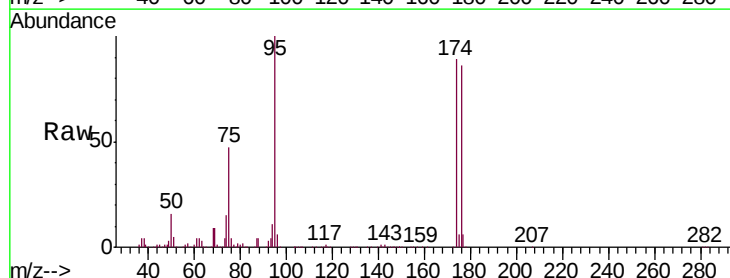
Tgt Ion: 95 Resp: 545184

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

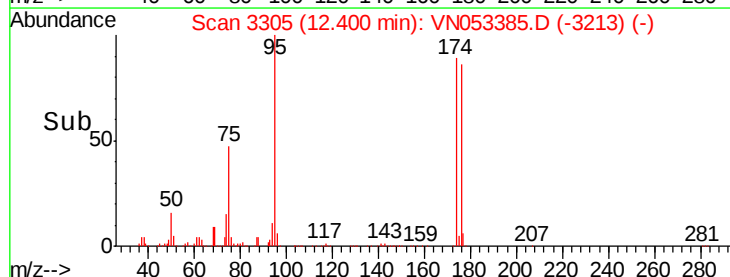
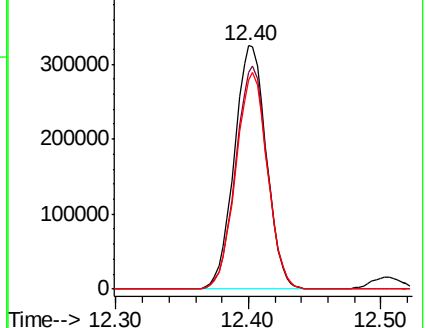
176 87.8 0.0 175.6

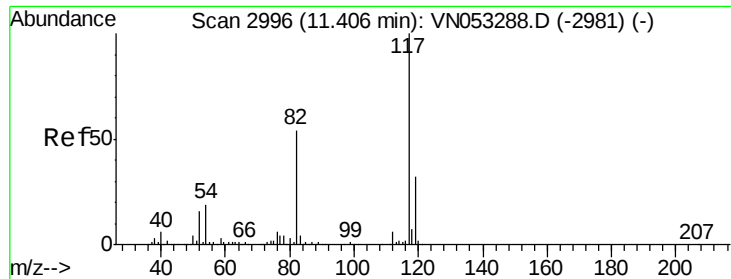


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

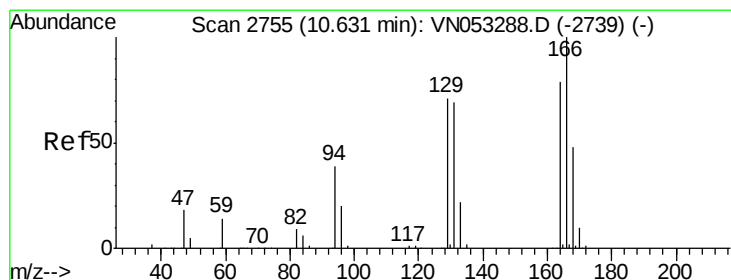
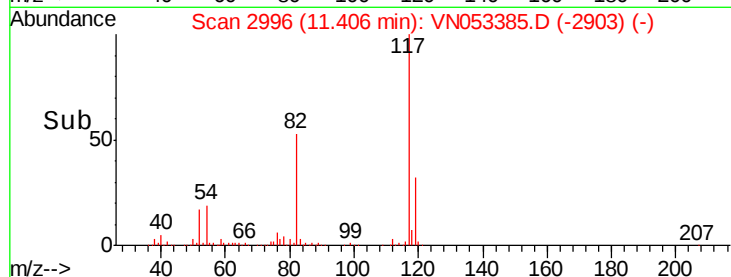
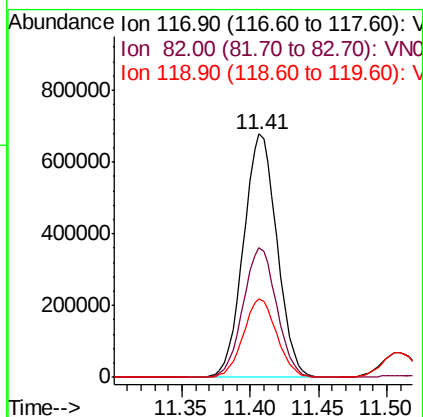
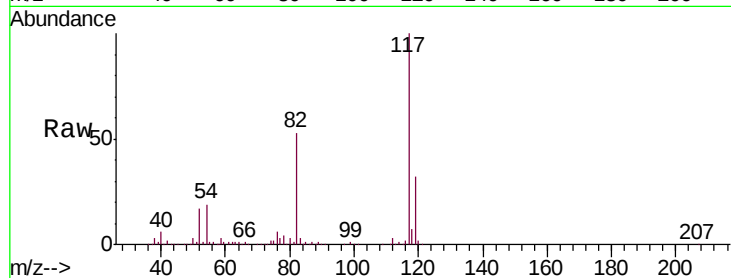




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

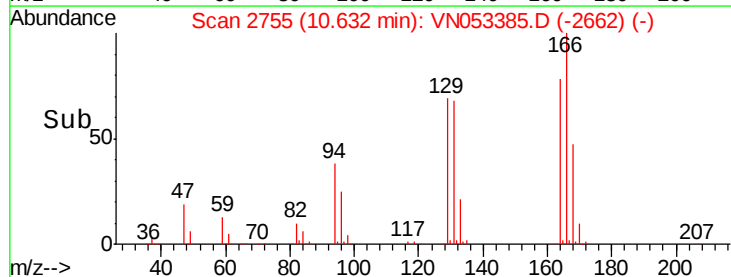
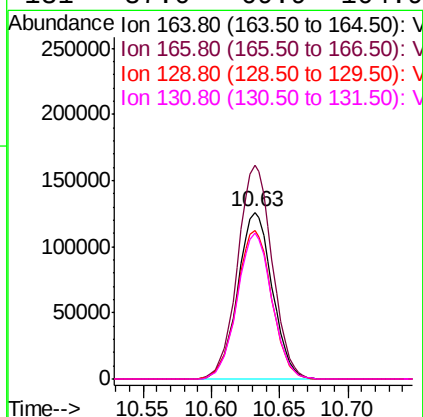
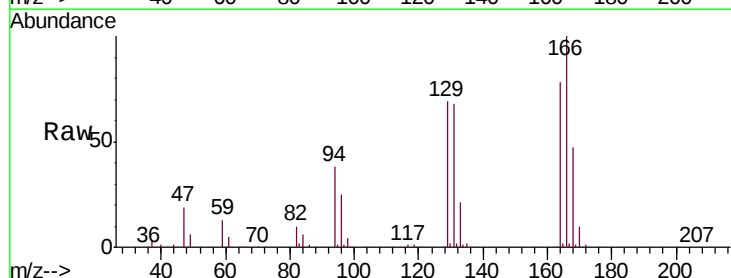
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

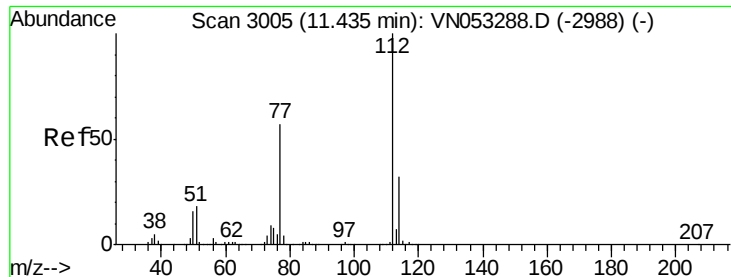
Tgt Ion:117 Resp: 1154227
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 20.370 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion:164 Resp: 221290
Ion Ratio Lower Upper
164 100
166 127.8 101.7 152.5
129 88.8 72.1 108.1
131 87.0 69.9 104.9





#65

Chlorobenzene

Concen: 20.170 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

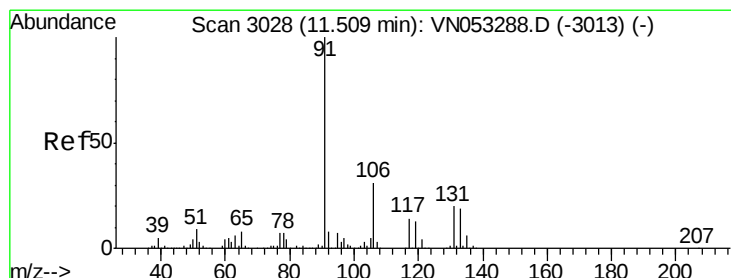
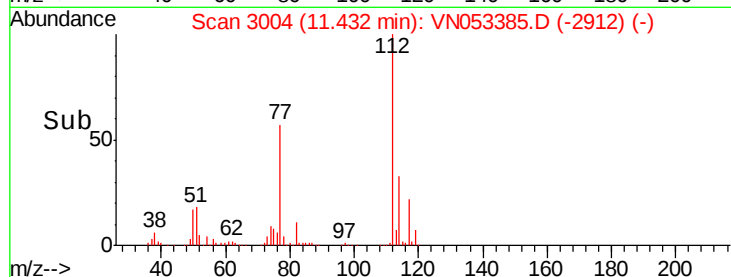
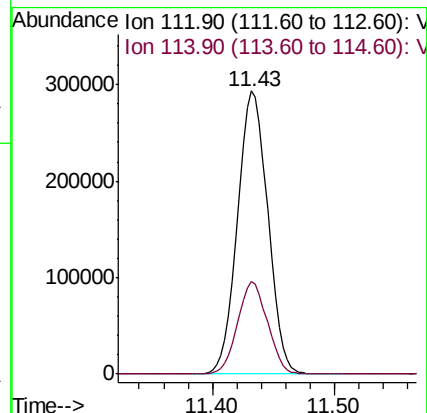
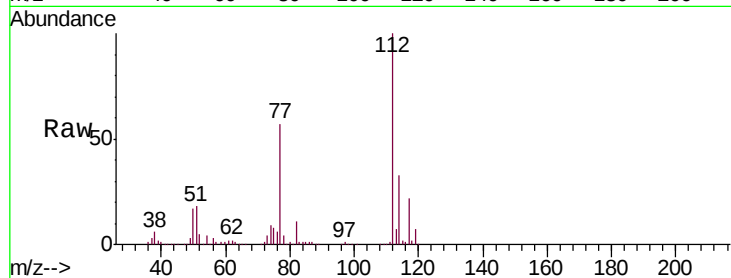
VN0114WBS01

Tgt Ion:112 Resp: 505749

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.161 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

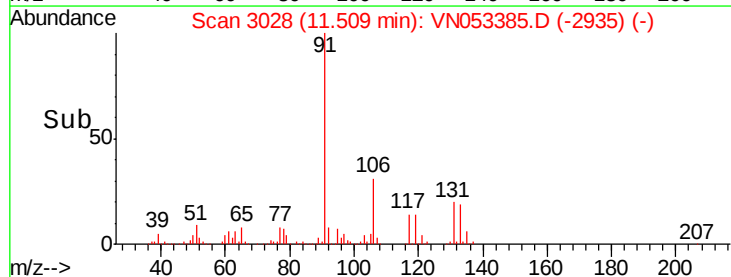
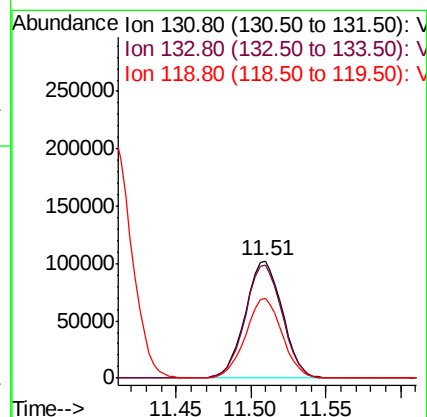
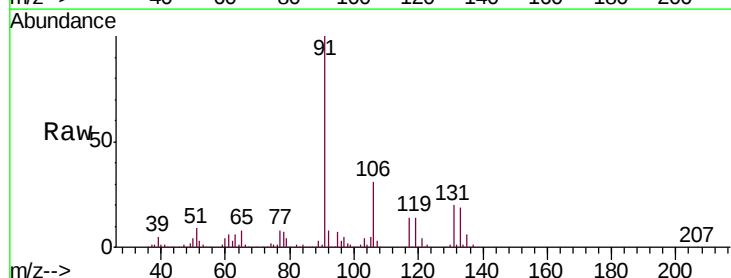
Tgt Ion:131 Resp: 176943

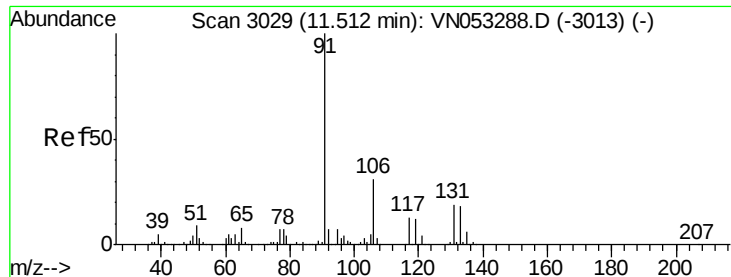
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

119 67.0 33.3 99.9





#67

Ethyl Benzene

Concen: 20.144 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

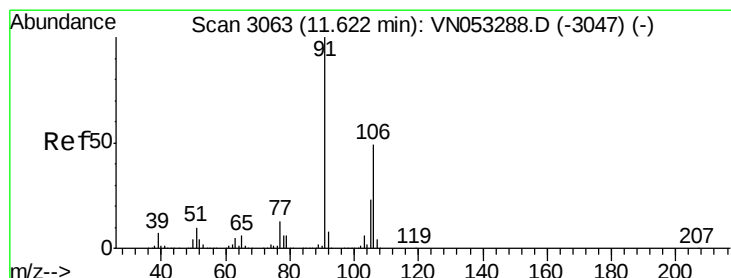
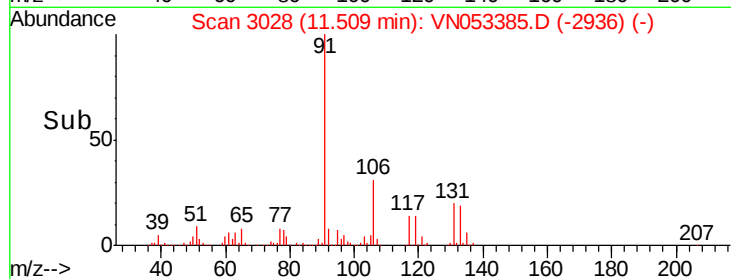
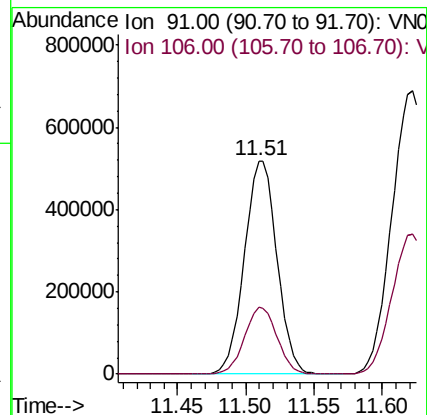
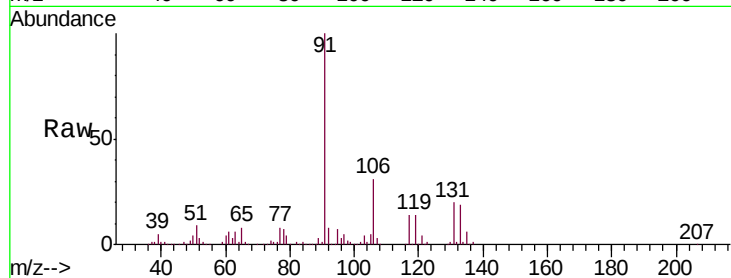
VN0114WBS01

Tgt Ion: 91 Resp: 858282

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 40.828 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053385.D

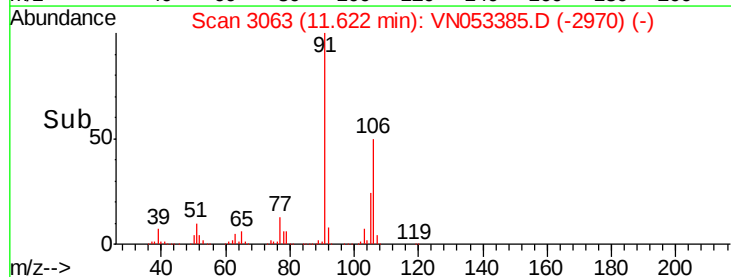
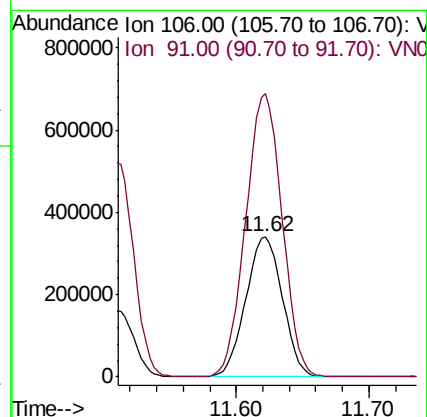
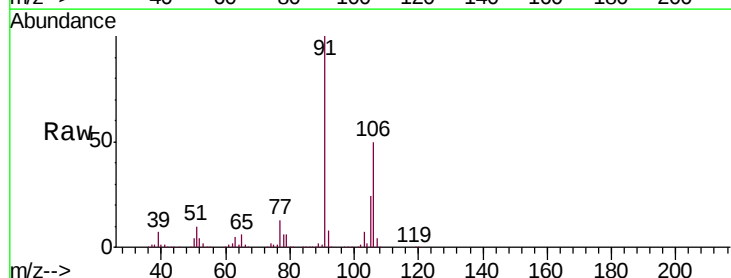
Acq: 14 Jan 2019 12:24

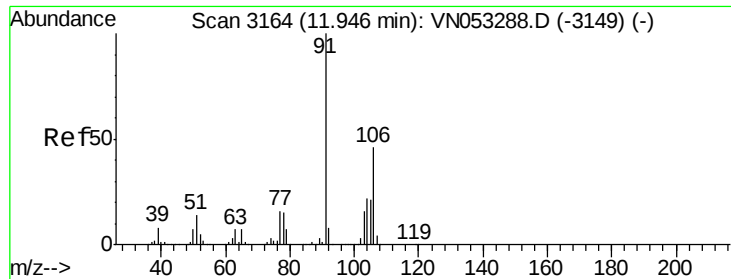
Tgt Ion: 106 Resp: 654120

Ion Ratio Lower Upper

106 100

91 201.2 161.4 242.2

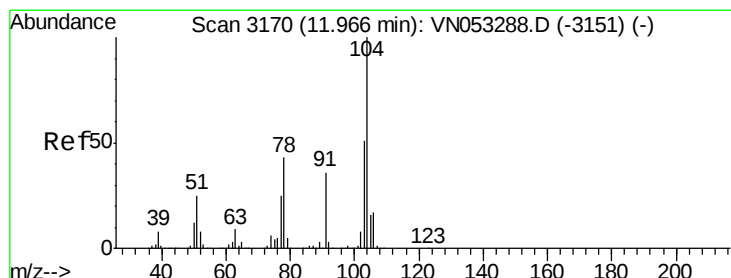
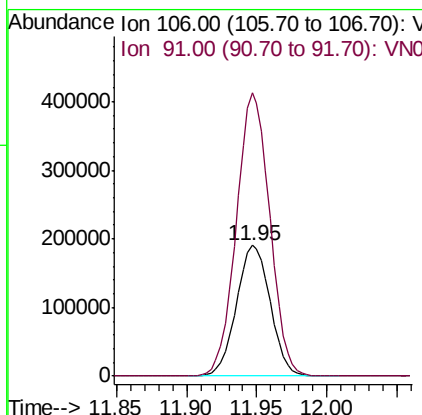
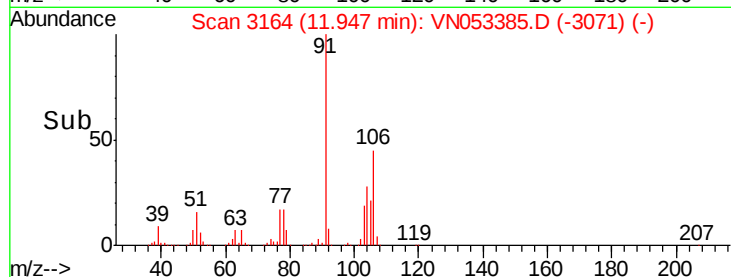
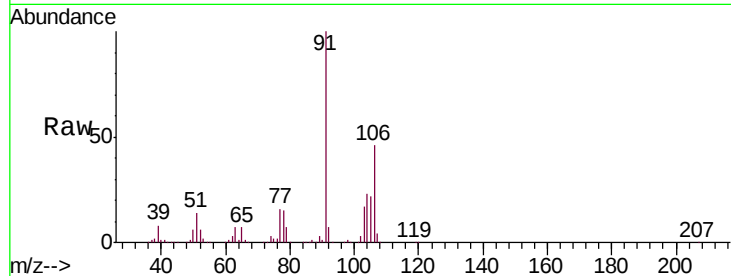




#69
o-Xylene
Concen: 20.456 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

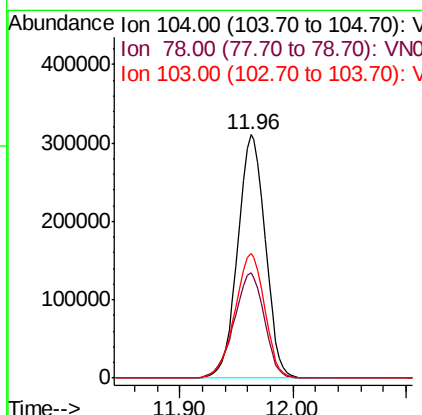
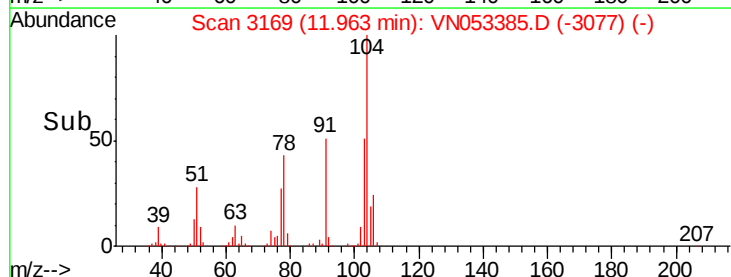
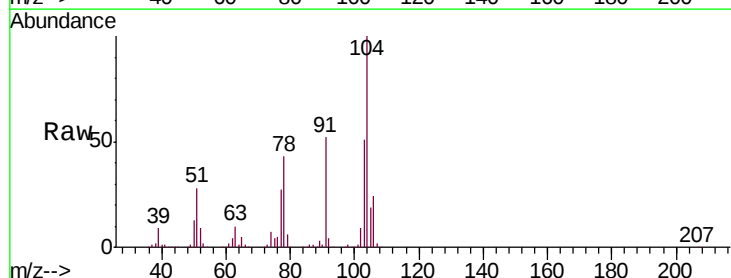
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

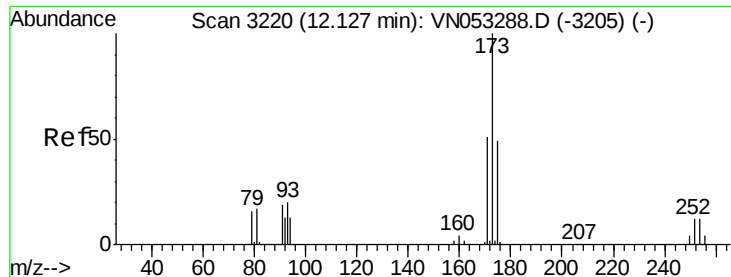
Tgt Ion:106 Resp: 320849
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4



#70
Styrene
Concen: 20.634 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion:104 Resp: 526730
Ion Ratio Lower Upper
104 100
78 47.5 38.5 57.7
103 55.4 44.5 66.7

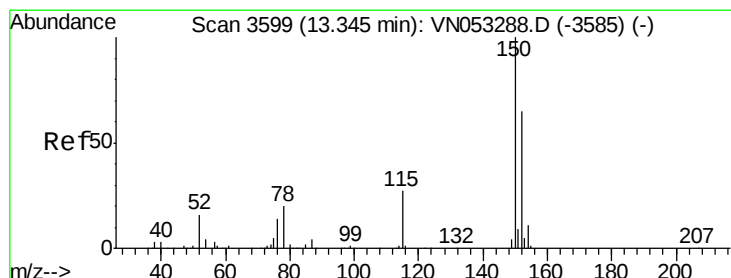
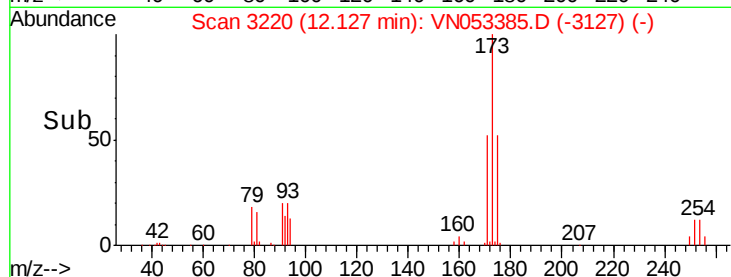
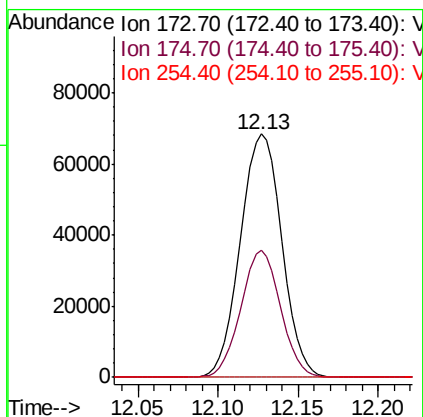
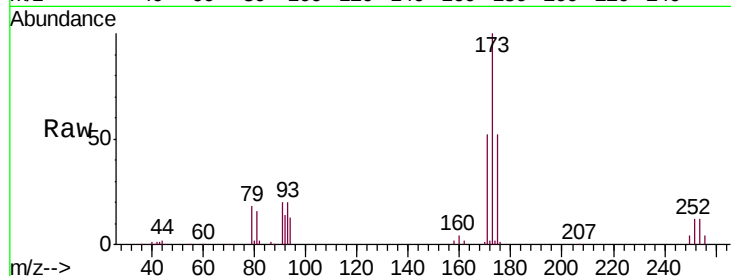




#71
Bromoform
Concen: 19.531 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

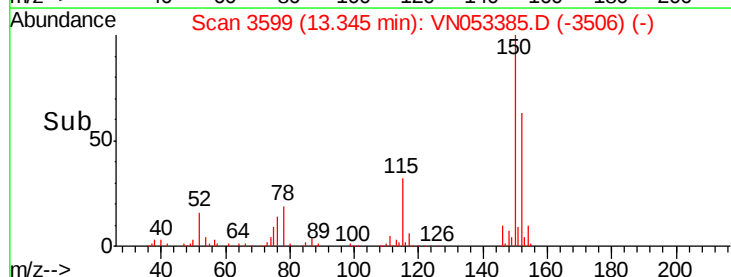
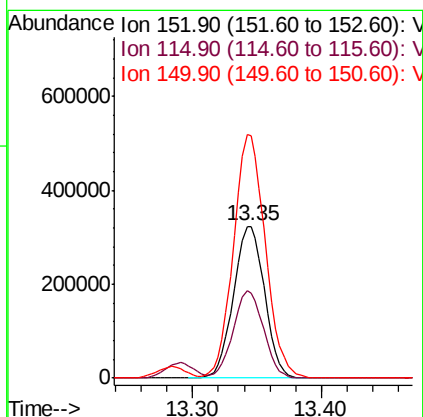
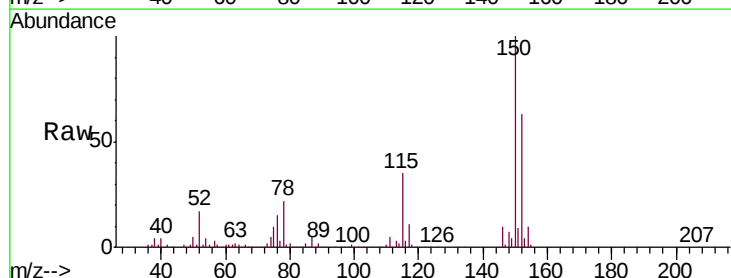
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

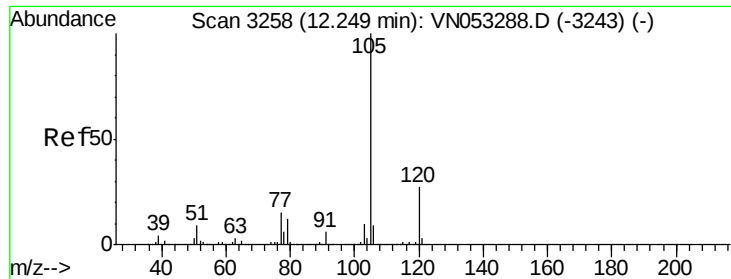
Tgt Ion:173 Resp: 121073
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053385.D
Acq: 14 Jan 2019 12:24

Tgt Ion:152 Resp: 539580
Ion Ratio Lower Upper
152 100
115 56.4 28.0 84.0
150 164.7 0.0 346.6





#73

Isopropylbenzene

Concen: 21.143 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

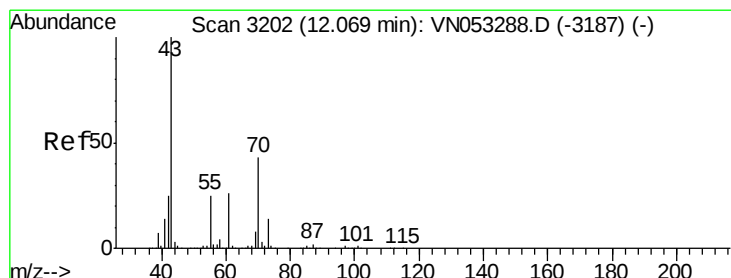
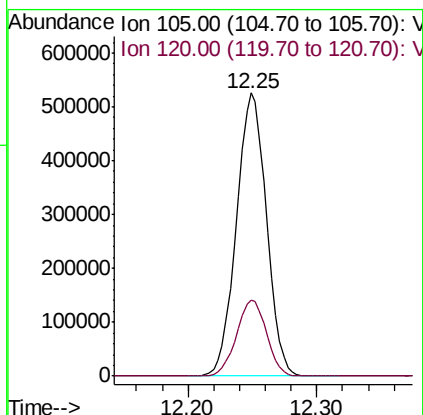
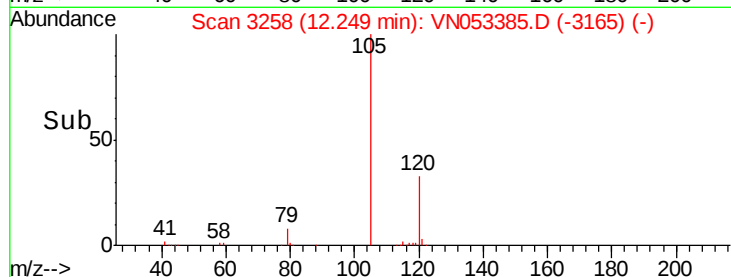
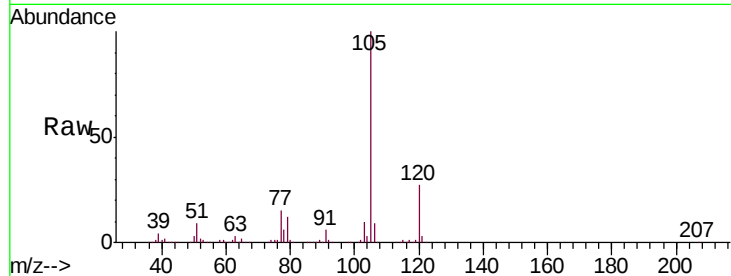
VN0114WBS01

Tgt Ion: 105 Resp: 849387

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 19.968 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Tgt Ion: 43 Resp: 239540

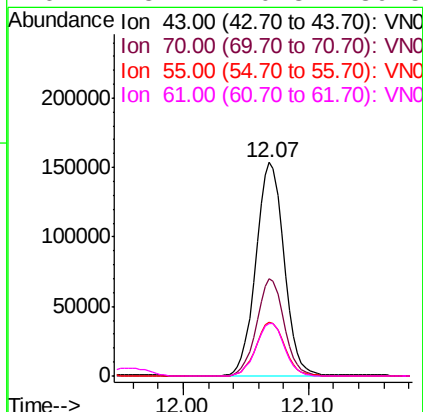
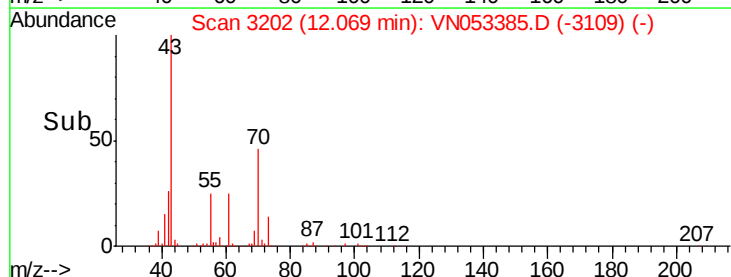
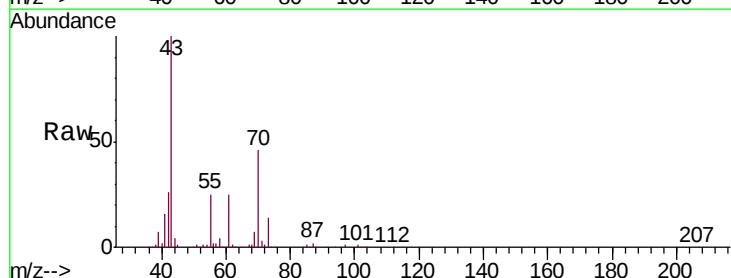
Ion Ratio Lower Upper

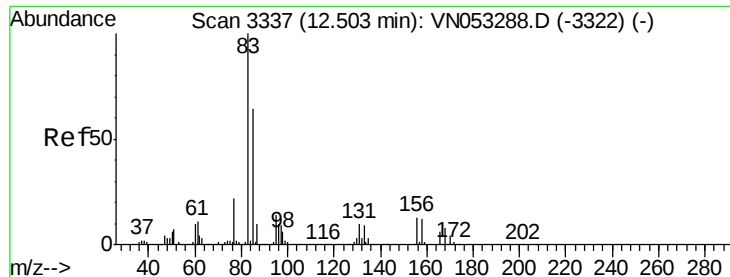
43 100

70 44.8 35.0 52.6

55 25.8 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.344 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

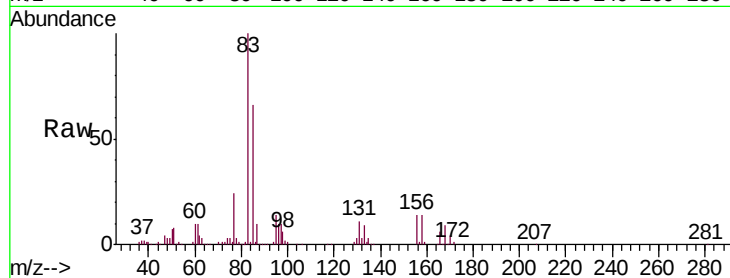
Tgt Ion: 83 Resp: 188000

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

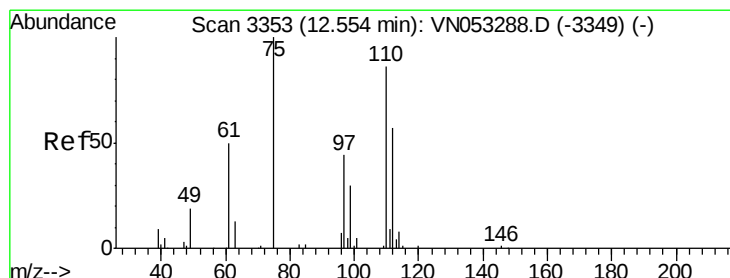
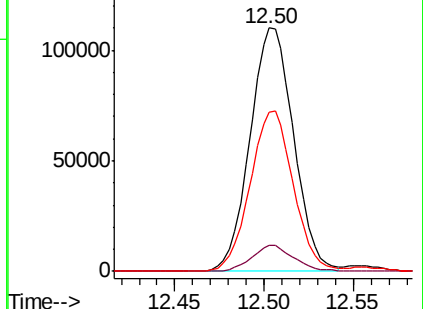
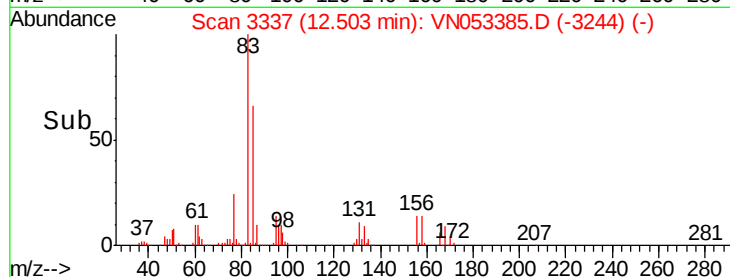
85 65.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN053385.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053385.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053385.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 31.768 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053385.D

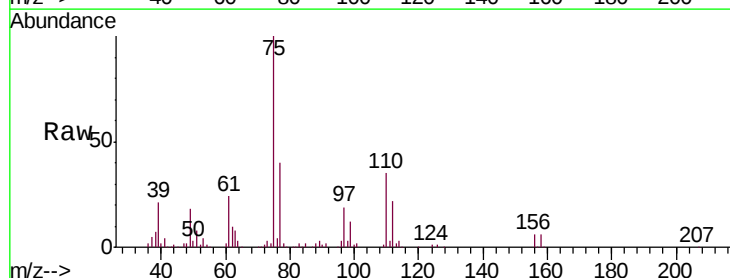
Acq: 14 Jan 2019 12:24

Tgt Ion: 75 Resp: 250016

Ion Ratio Lower Upper

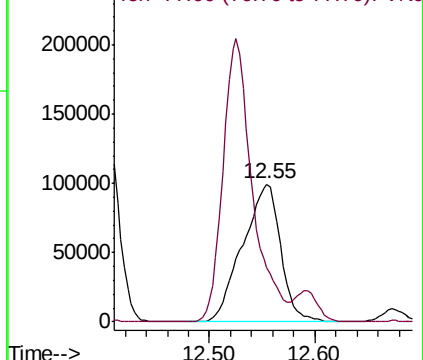
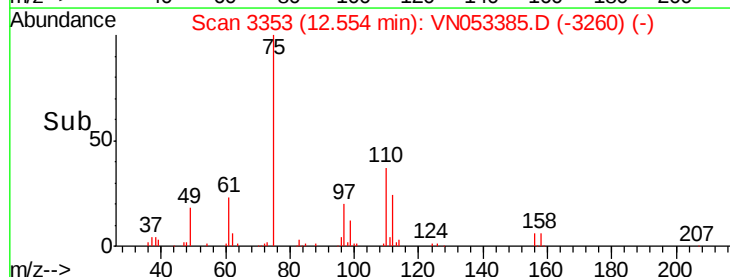
75 100

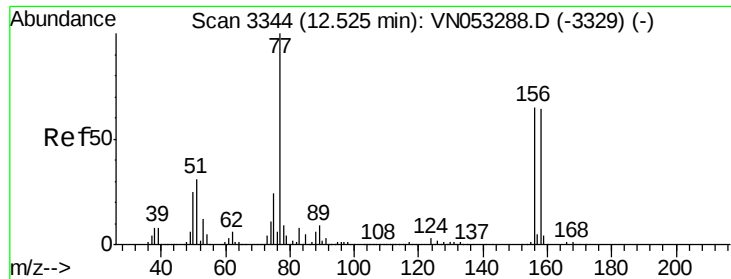
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053385.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053385.D (-3260) (-)





#77

Bromobenzene

Concen: 20.782 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

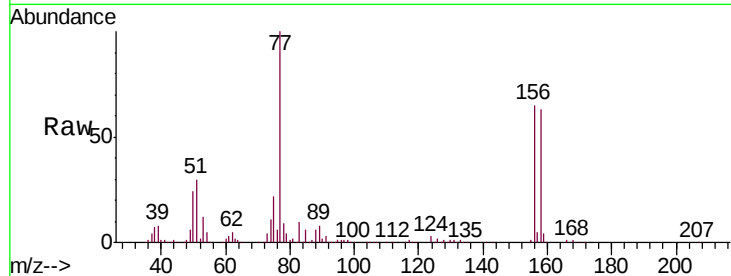
Tgt Ion:156 Resp: 222828

Ion Ratio Lower Upper

156 100

77 177.4 89.3 268.1

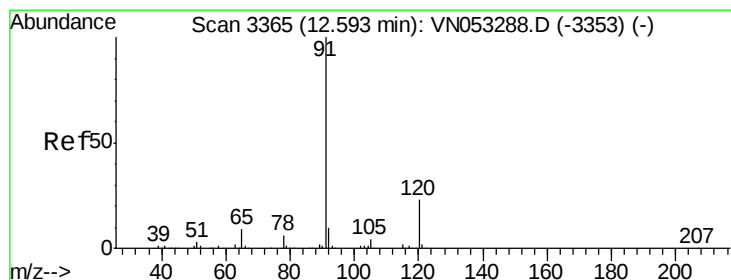
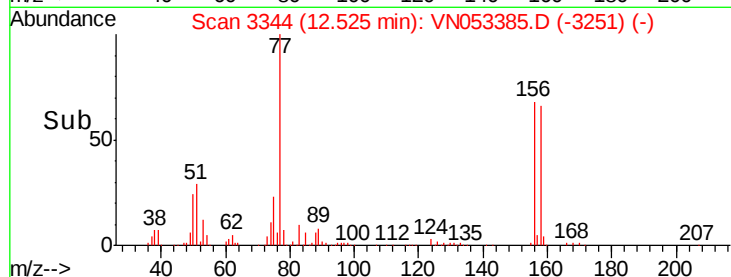
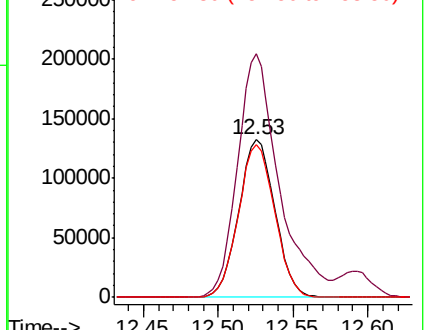
158 97.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.337 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053385.D

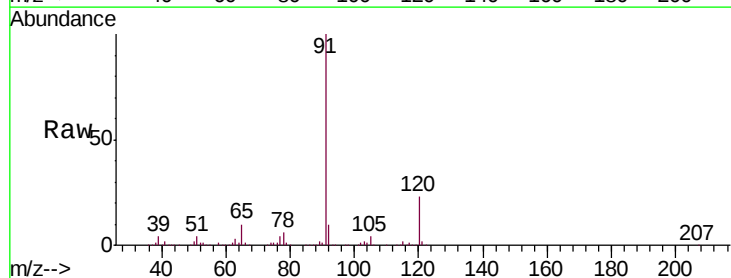
Acq: 14 Jan 2019 12:24

Tgt Ion: 91 Resp: 969612

Ion Ratio Lower Upper

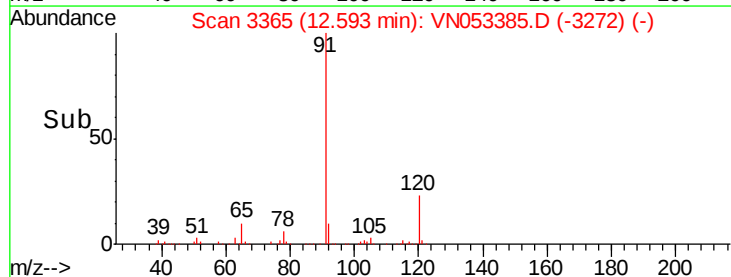
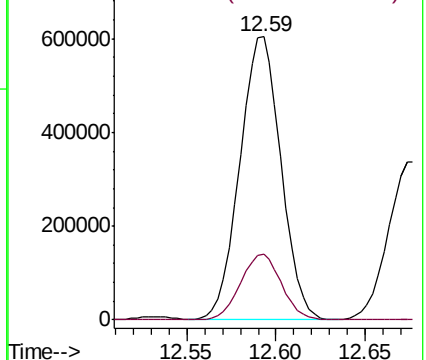
91 100

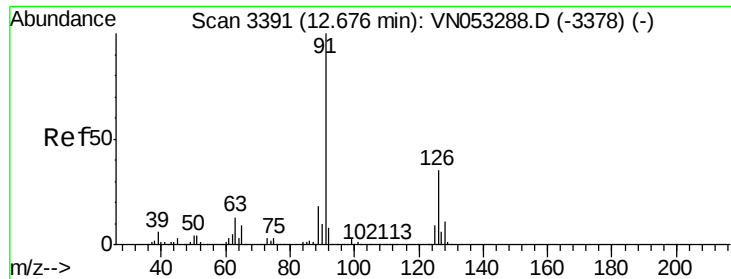
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.720 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

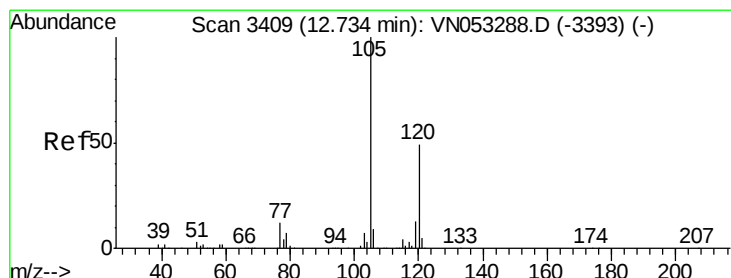
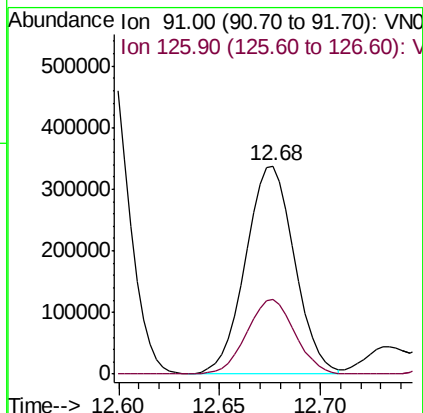
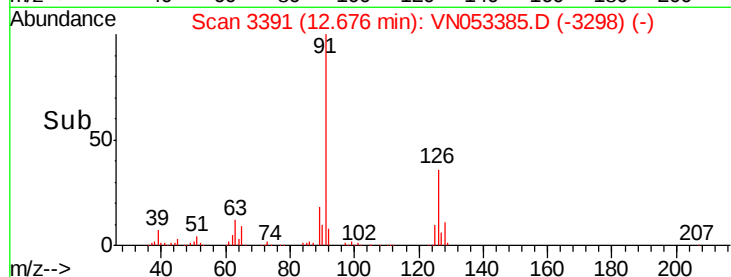
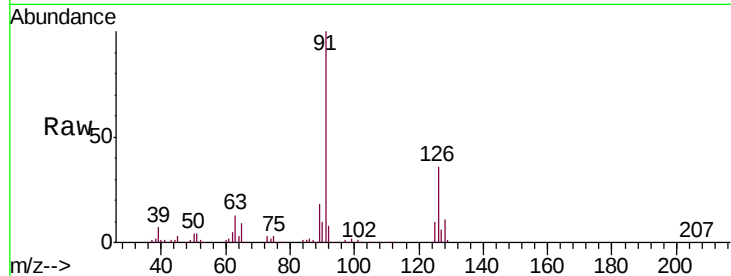
VN0114WBS01

Tgt Ion: 91 Resp: 569719

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.533 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053385.D

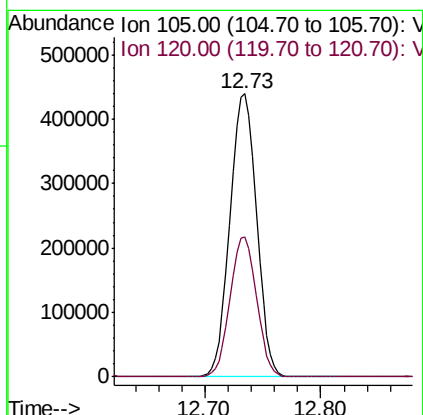
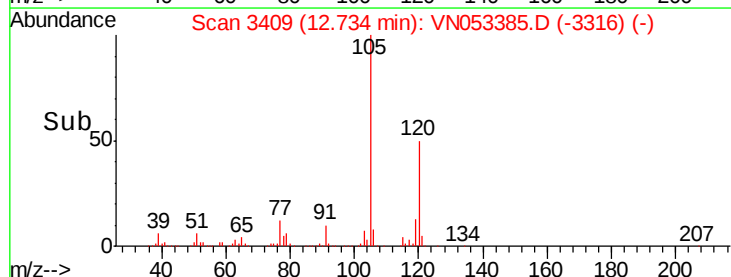
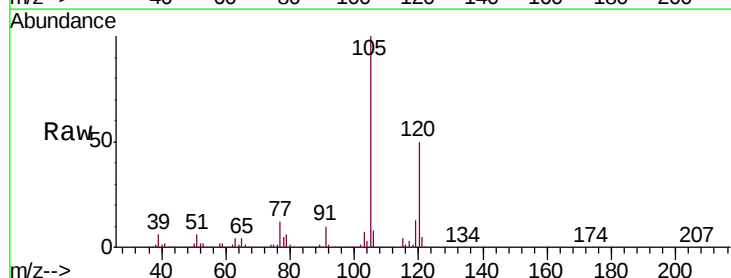
Acq: 14 Jan 2019 12:24

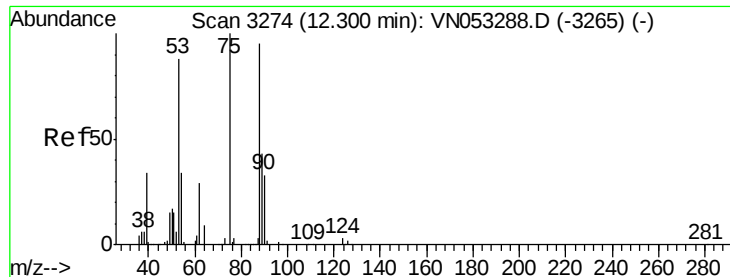
Tgt Ion: 105 Resp: 696812

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.788 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

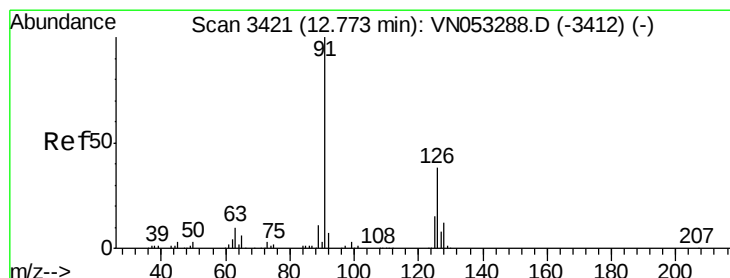
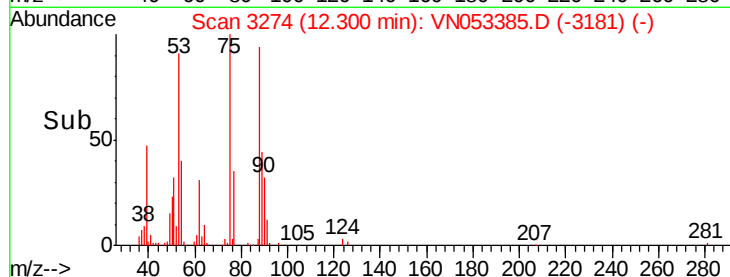
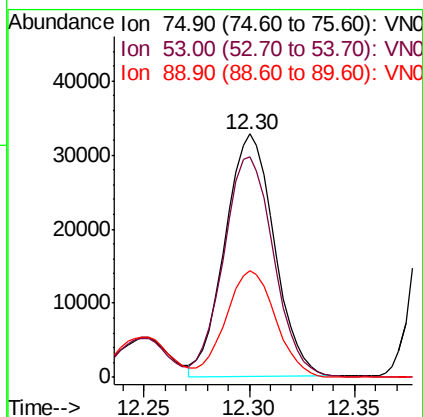
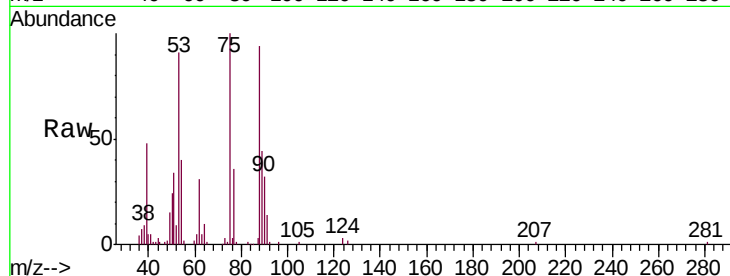
Tgt Ion: 75 Resp: 52932

Ion Ratio Lower Upper

75 100

53 93.2 70.5 105.7

89 44.9 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.727 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053385.D

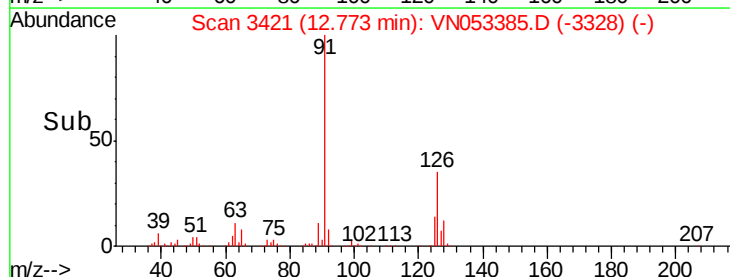
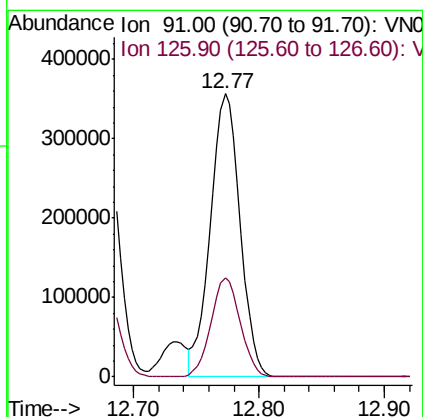
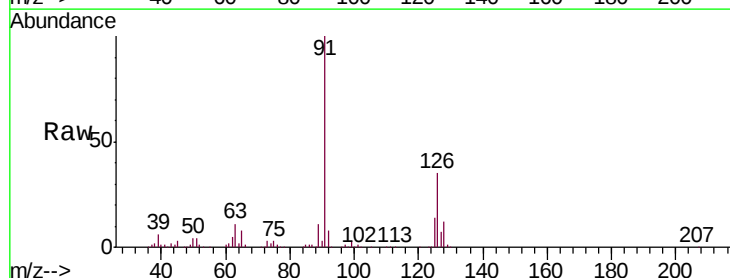
Acq: 14 Jan 2019 12:24

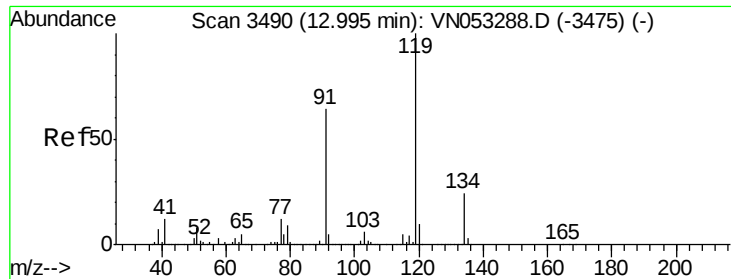
Tgt Ion: 91 Resp: 584380

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2

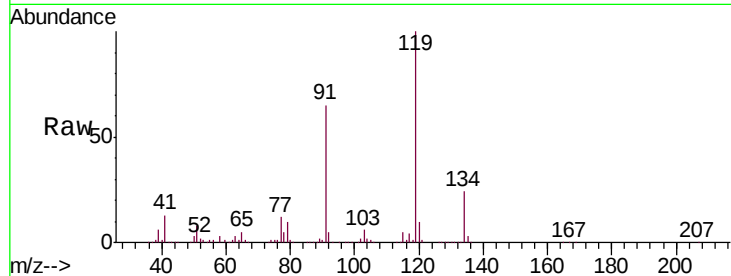




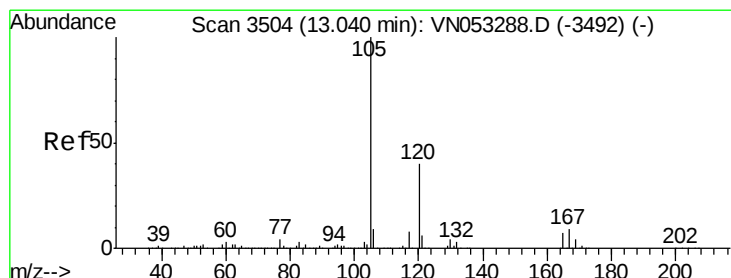
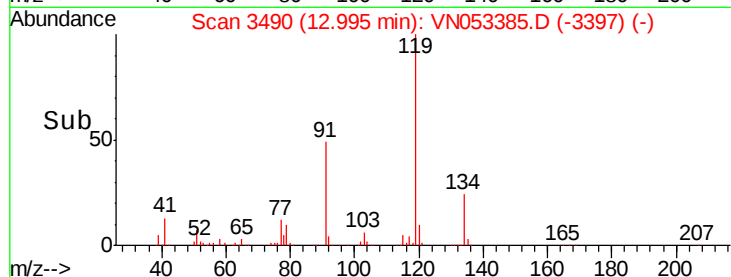
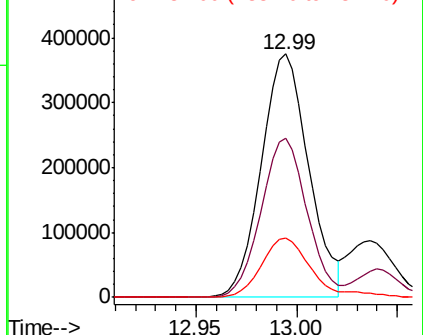
#83
 tert-Butylbenzene
 Concen: 21.646 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion:119 Resp: 614570
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.6 95.0
 134 25.8 12.9 38.6

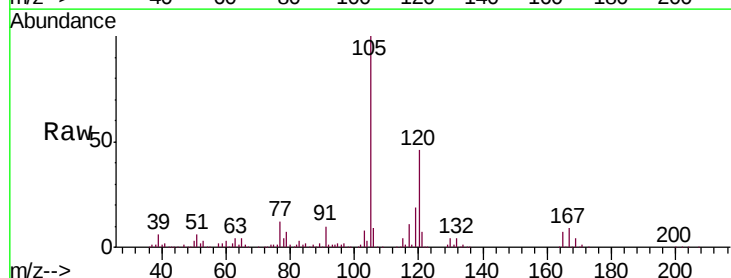


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

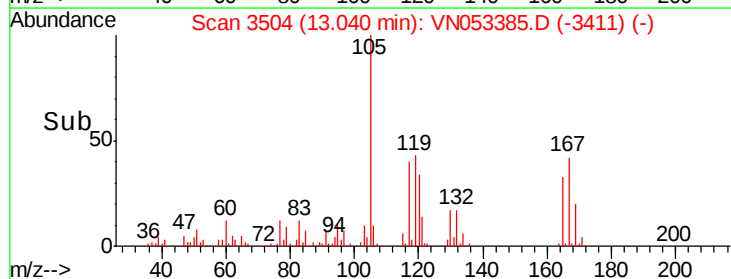
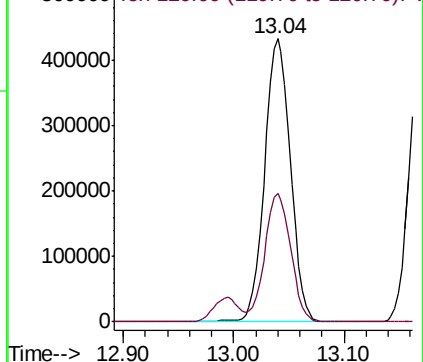


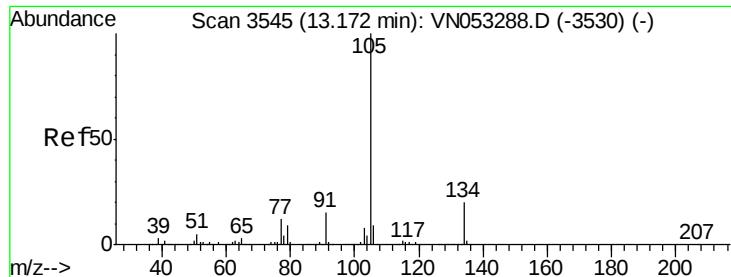
#84
 1,2,4-Trimethylbenzene
 Concen: 21.265 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion:105 Resp: 701029
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.370 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

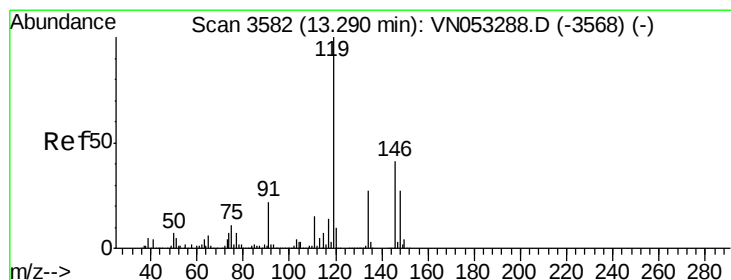
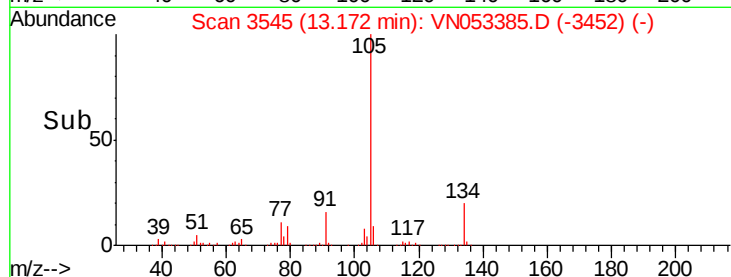
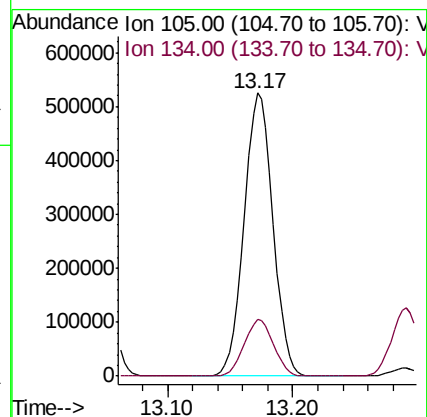
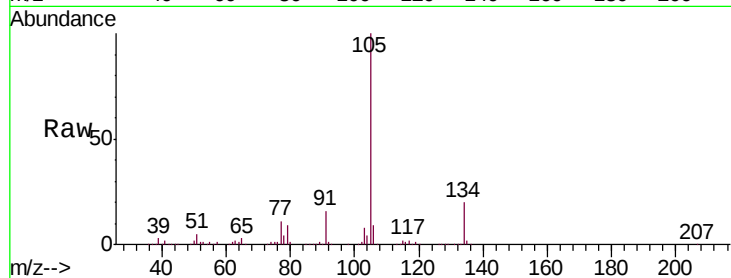
VN0114WBS01

Tgt Ion:105 Resp: 837596

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 21.982 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

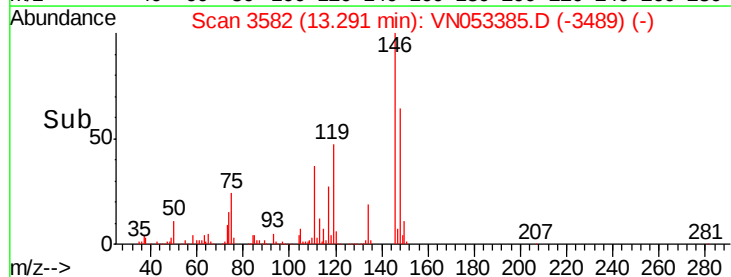
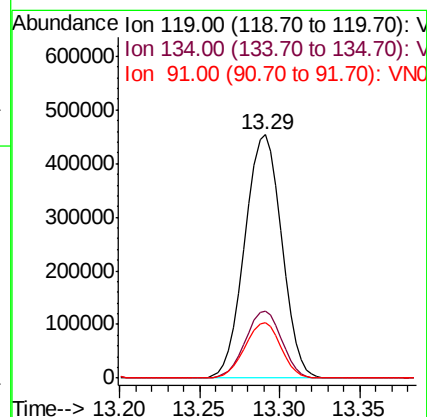
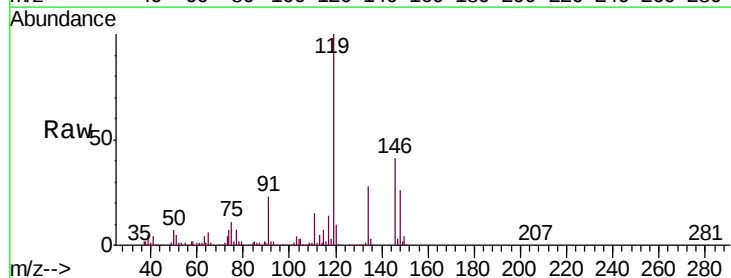
Tgt Ion:119 Resp: 712613

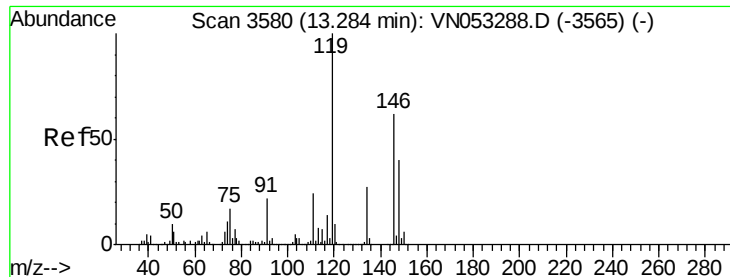
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.424 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

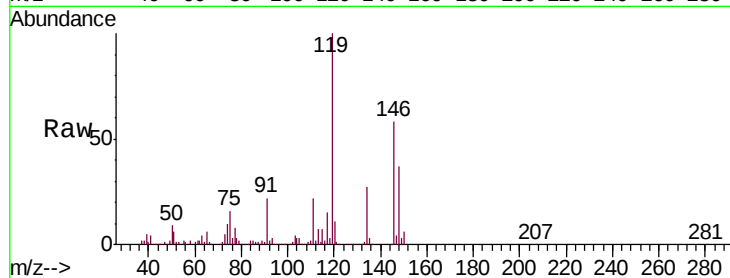
Tgt Ion:146 Resp: 385630

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.5

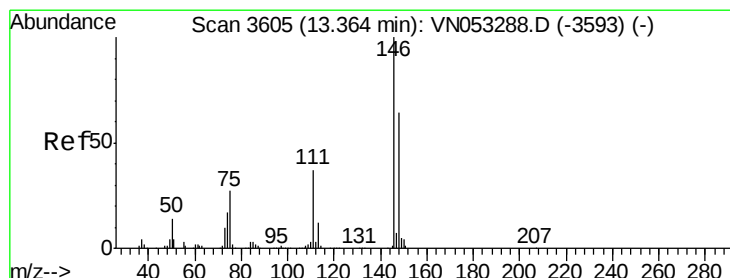
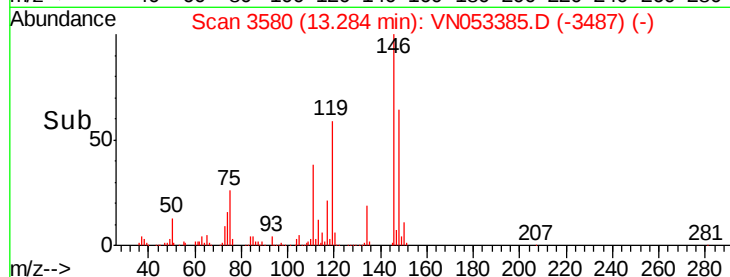
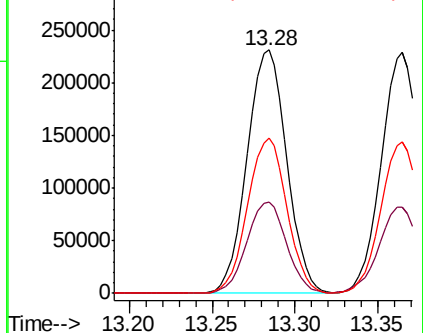
148 63.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.945 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

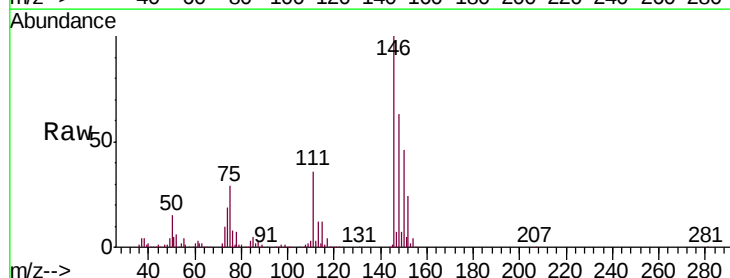
Tgt Ion:146 Resp: 373578

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

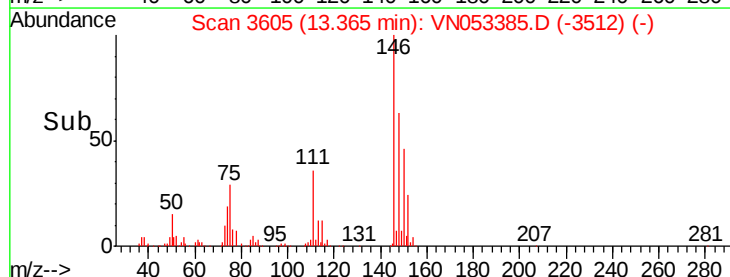
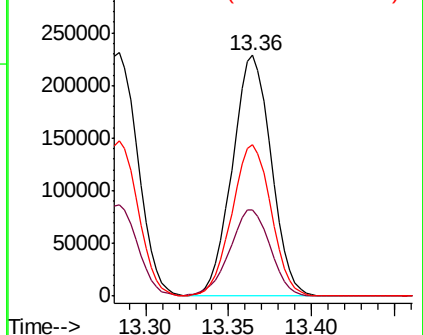
148 63.6 32.0 96.0

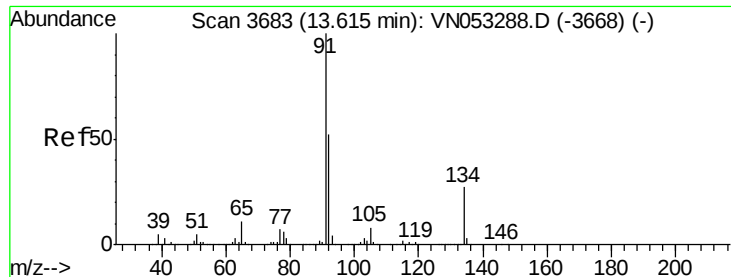


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.440 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

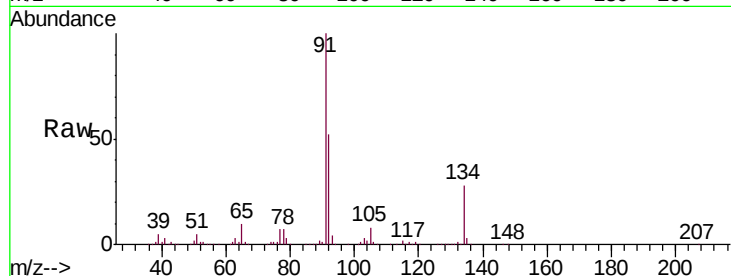
Tgt Ion: 91 Resp: 582730

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.8

134 26.9 13.5 40.5

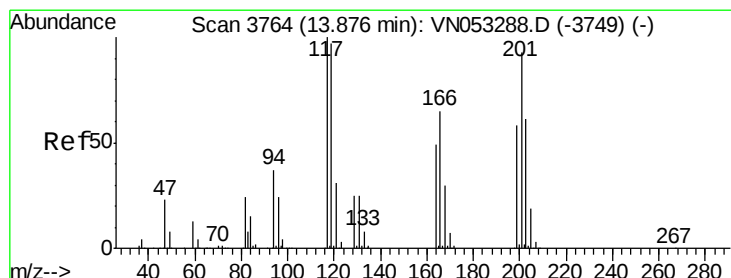
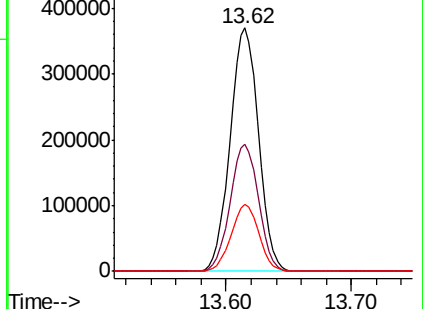
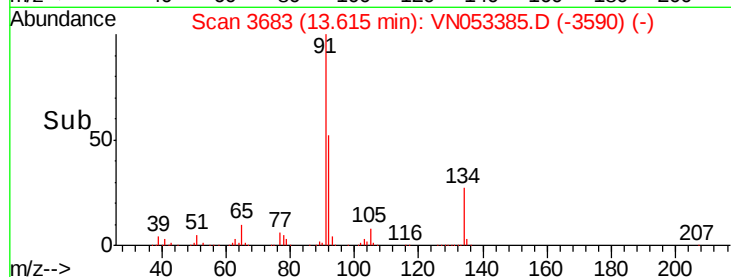


Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.177 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053385.D

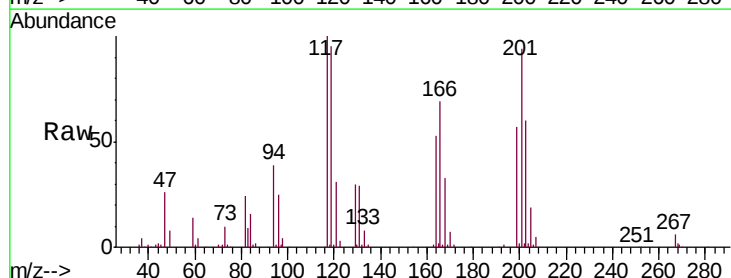
Acq: 14 Jan 2019 12:24

Tgt Ion: 117 Resp: 104841

Ion Ratio Lower Upper

117 100

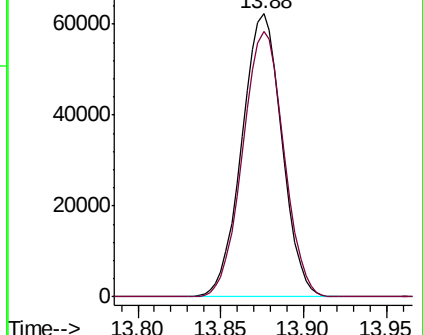
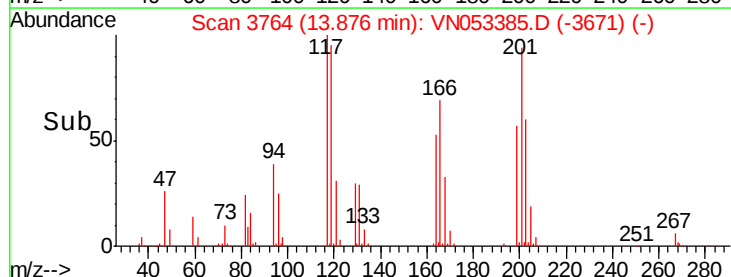
201 96.1 46.1 138.3

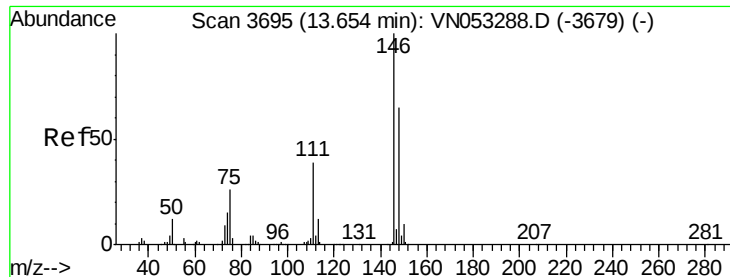


Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)

Time-->

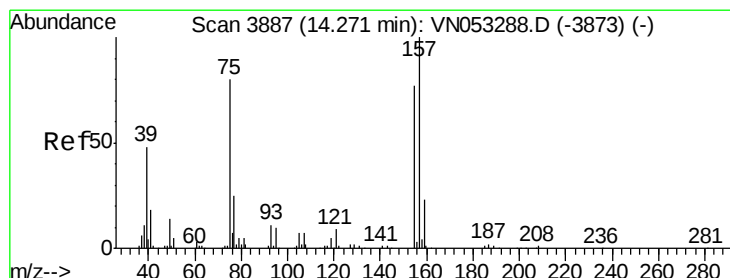
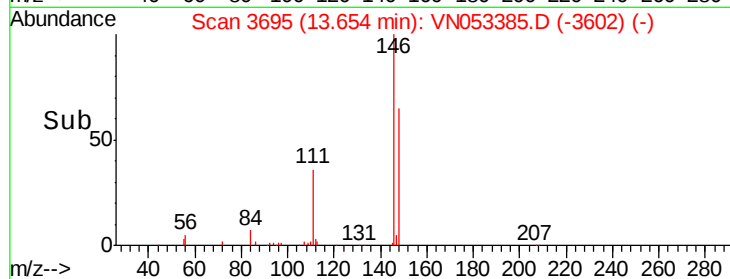
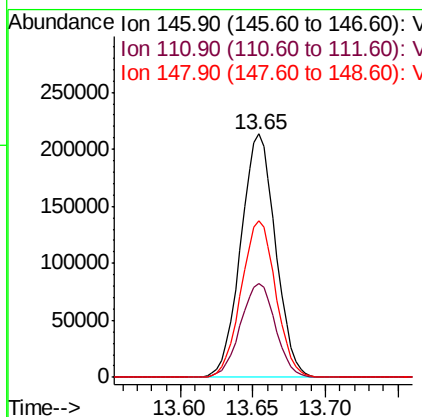
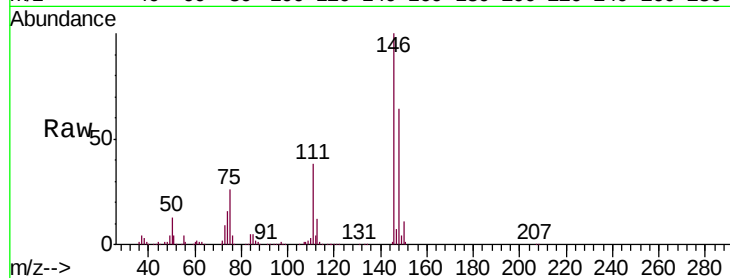




#91
 1,2-Dichlorobenzene
 Concen: 20.086 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

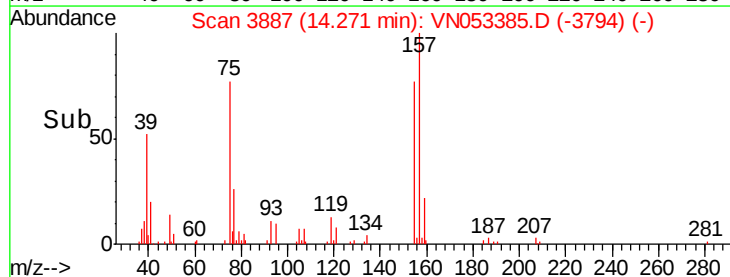
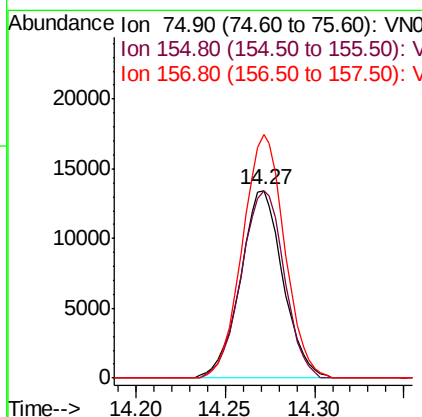
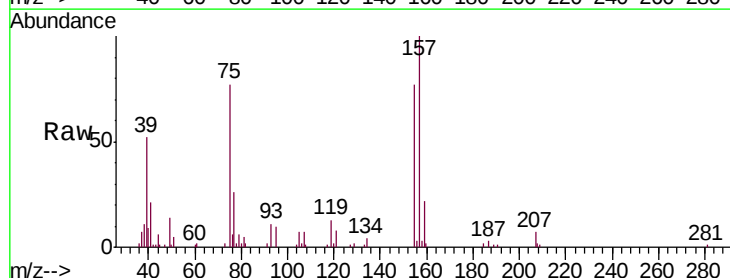
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

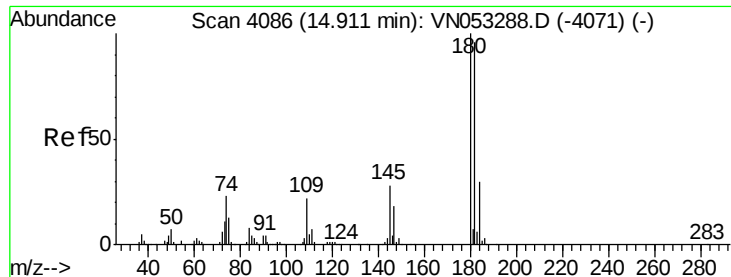
Tgt Ion: 146 Resp: 355241
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 64.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.933 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion: 75 Resp: 22343
 Ion Ratio Lower Upper
 75 100
 155 100.8 48.1 144.3
 157 128.7 61.5 184.4

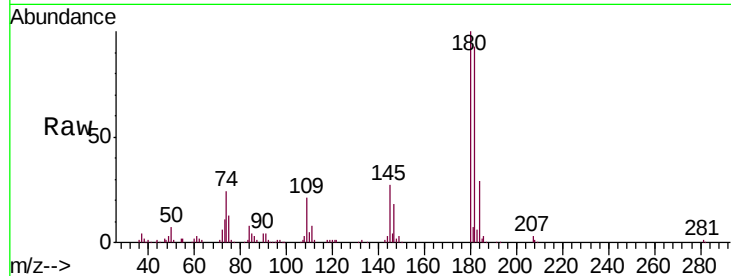




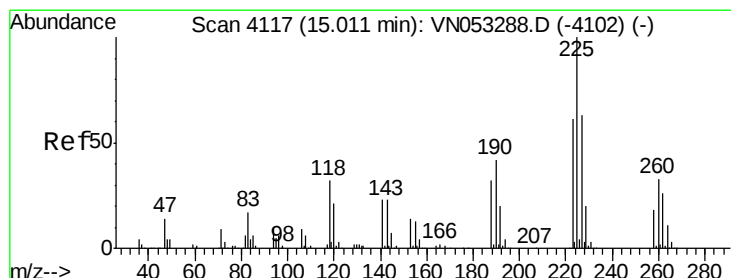
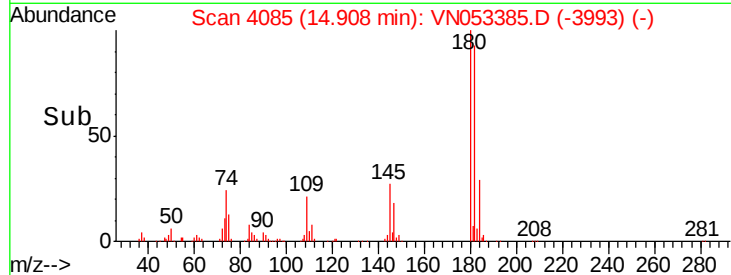
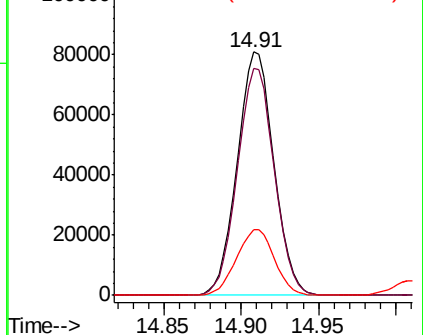
#93
 1,2,4-Trichlorobenzene
 Concen: 23.901 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion:180 Resp: 132915
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.8 143.4
 145 28.1 14.4 43.0

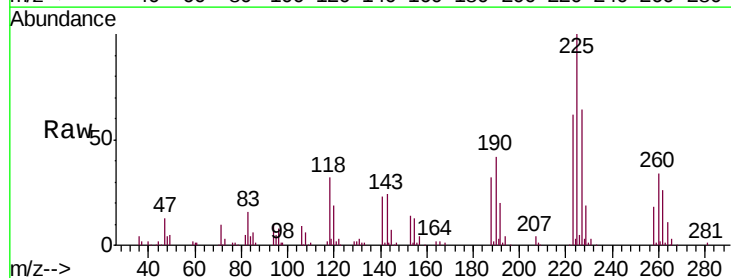


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

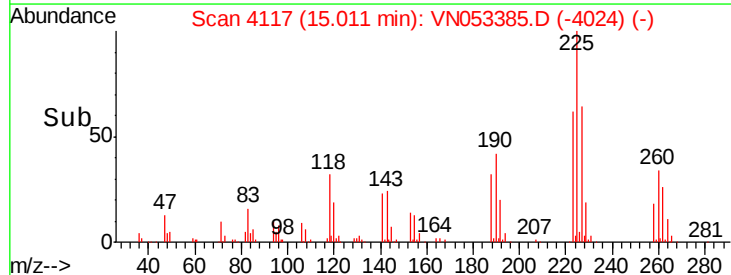
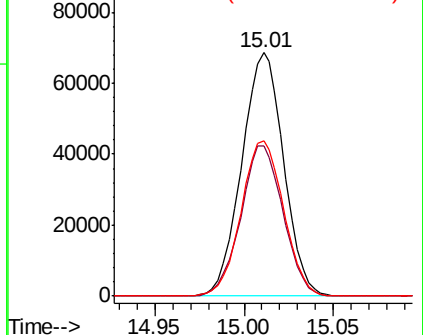


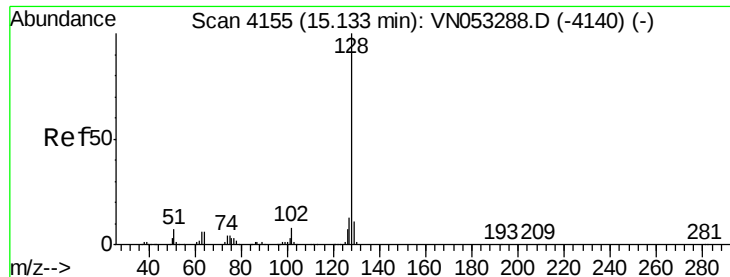
#94
 Hexachlorobutadiene
 Concen: 24.763 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053385.D
 Acq: 14 Jan 2019 12:24

Tgt Ion:225 Resp: 112636
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.8
 227 64.6 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 24.085 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

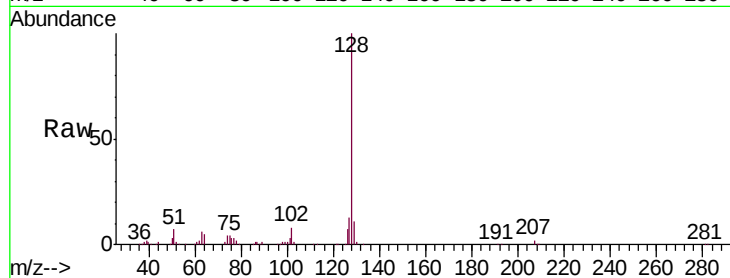
Tgt Ion:128 Resp: 228486

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

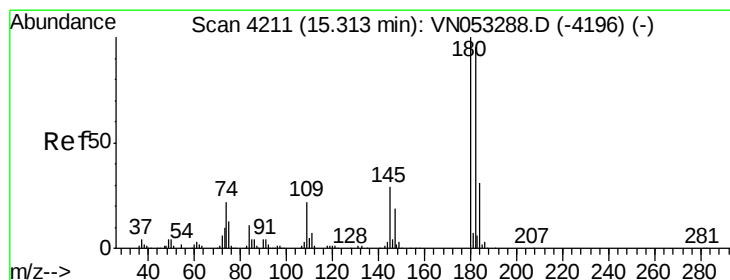
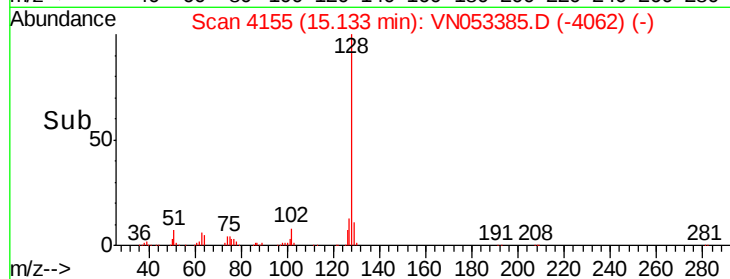
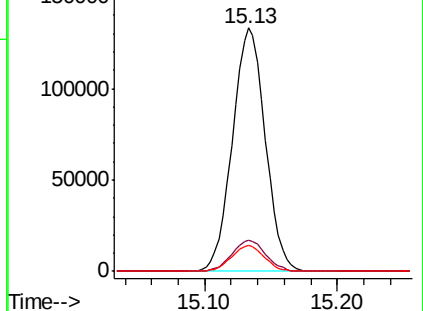
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 25.904 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053385.D

Acq: 14 Jan 2019 12:24

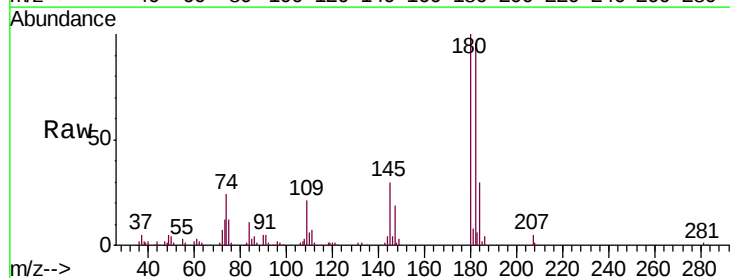
Tgt Ion:180 Resp: 94314

Ion Ratio Lower Upper

180 100

182 94.9 48.4 145.0

145 30.4 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

