

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051095.D
 Acq On : 10 Sep 2018 23:08
 Operator : MD\SY
 Sample : VN09WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

Quant Time: Sep 11 04:35:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	918886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	836704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	392268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	369946	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.59	113	362255	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.09	98	1349641	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.40	95	426101	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110696	18.06	ug/l	100
3) Chloromethane	2.06	50	156871	19.49	ug/l	99
4) Vinyl Chloride	2.18	62	154825	18.41	ug/l	100
5) Bromomethane	2.56	94	90322	18.41	ug/l	99
6) Chloroethane	2.70	64	93990	18.10	ug/l	99
7) Trichlorofluoromethane	3.01	101	206097	18.49	ug/l	99
8) Diethyl Ether	3.41	74	76470	18.65	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128590	17.90	ug/l	100
10) Methyl Iodide	3.95	142	106613	19.71	ug/l	100
11) Tert butyl alcohol	4.80	59	48864	90.46	ug/l	99
12) 1,1-Dichloroethene	3.73	96	122430	18.06	ug/l	98
13) Acrolein	3.61	56	65380	113.81	ug/l	100
14) Allyl chloride	4.32	41	182843	17.70	ug/l	99
15) Acrylonitrile	5.00	53	230254	96.20	ug/l	99
16) Acetone	3.82	43	154815	84.68	ug/l	97
17) Carbon Disulfide	4.05	76	363369	18.26	ug/l	100
18) Methyl Acetate	4.33	43	105386	18.61	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	337315	18.82	ug/l	99
20) Methylene Chloride	4.55	84	145163	18.58	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	134084	18.24	ug/l	99
22) Diisopropyl ether	5.96	45	404258	19.72	ug/l	99
23) Vinyl Acetate	5.90	43	1323312	95.39	ug/l	100
24) 1,1-Dichloroethane	5.85	63	245111	18.85	ug/l	100
25) 2-Butanone	6.84	43	243798	87.68	ug/l	98
26) 2,2-Dichloropropane	6.83	77	165670	15.56	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	149916	18.59	ug/l	97
28) Bromochloromethane	7.19	49	112953	19.51	ug/l	99
29) Tetrahydrofuran	7.22	42	170650	98.28	ug/l	99
30) Chloroform	7.37	83	247861	19.16	ug/l	98
31) Cyclohexane	7.66	56	212700	18.20	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	207499	18.82	ug/l	99
36) 1,1-Dichloropropene	7.79	75	183455	18.18	ug/l	99
37) Ethyl Acetate	6.93	43	116476	19.93	ug/l	99
38) Carbon Tetrachloride	7.77	117	185099	18.64	ug/l	98

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 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

Quant Time: Sep 11 04:35:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191945	17.24	ug/l	98
40) Benzene	8.04	78	575711	18.94	ug/l	99
41) Methacrylonitrile	7.22	41	161093	53.44	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	169967	19.18	ug/l	99
43) Isopropyl Acetate	8.17	43	196996	19.11	ug/l #	90
44) Trichloroethene	8.84	130	150123	18.05	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148774	18.94	ug/l	99
46) Dibromomethane	9.21	93	88830	18.53	ug/l	99
47) Bromodichloromethane	9.40	83	185211	19.01	ug/l	99
48) Methyl methacrylate	9.20	41	93678	18.65	ug/l	99
49) 1,4-Dioxane	9.20	88	29429	373.54	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	562894	98.73	ug/l	99
52) Toluene	10.16	92	354904	19.15	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175817	18.03	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	209583	18.33	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127912	19.00	ug/l	98
56) Ethyl methacrylate	10.43	69	153365	18.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	215432	19.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	325096	95.59	ug/l	99
59) 2-Hexanone	10.75	43	354542	91.70	ug/l	98
60) Dibromochloromethane	10.90	129	143950	18.97	ug/l	99
61) 1,2-Dibromoethane	11.01	107	126369	19.20	ug/l	99
64) Tetrachloroethene	10.63	164	141466	18.53	ug/l	97
65) Chlorobenzene	11.43	112	385903	18.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	142917	18.82	ug/l	100
67) Ethyl Benzene	11.51	91	626640	18.35	ug/l	99
68) m/p-Xylenes	11.62	106	495784	37.78	ug/l	99
69) o-Xylene	11.95	106	240924	18.96	ug/l	100
70) Styrene	11.96	104	375570	19.05	ug/l	100
71) Bromoform	12.13	173	98329	18.39	ug/l #	97
73) Isopropylbenzene	12.25	105	625453	19.01	ug/l	100
74) N-amyl acetate	12.07	43	150350	18.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	166967	21.21	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183136	29.50	ug/l #	100
77) Bromobenzene	12.53	156	164049	18.57	ug/l	100
78) n-propylbenzene	12.59	91	682789	18.88	ug/l	100
79) 2-Chlorotoluene	12.67	91	421115	18.63	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	513635	19.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35110	17.00	ug/l	95
82) 4-Chlorotoluene	12.77	91	411915	18.36	ug/l	100
83) tert-Butylbenzene	12.99	119	436860	18.61	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	509876	19.50	ug/l	100
85) sec-Butylbenzene	13.17	105	571709	18.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	484823	18.99	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264445	17.64	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	252698	18.37	ug/l	99
89) n-Butylbenzene	13.62	91	338165	17.02	ug/l	98
90) Hexachloroethane	13.87	117	90694	19.13	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	256669	17.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21028	19.13	ug/l	94

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ClientSampleId :
VN0910WBSD02

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

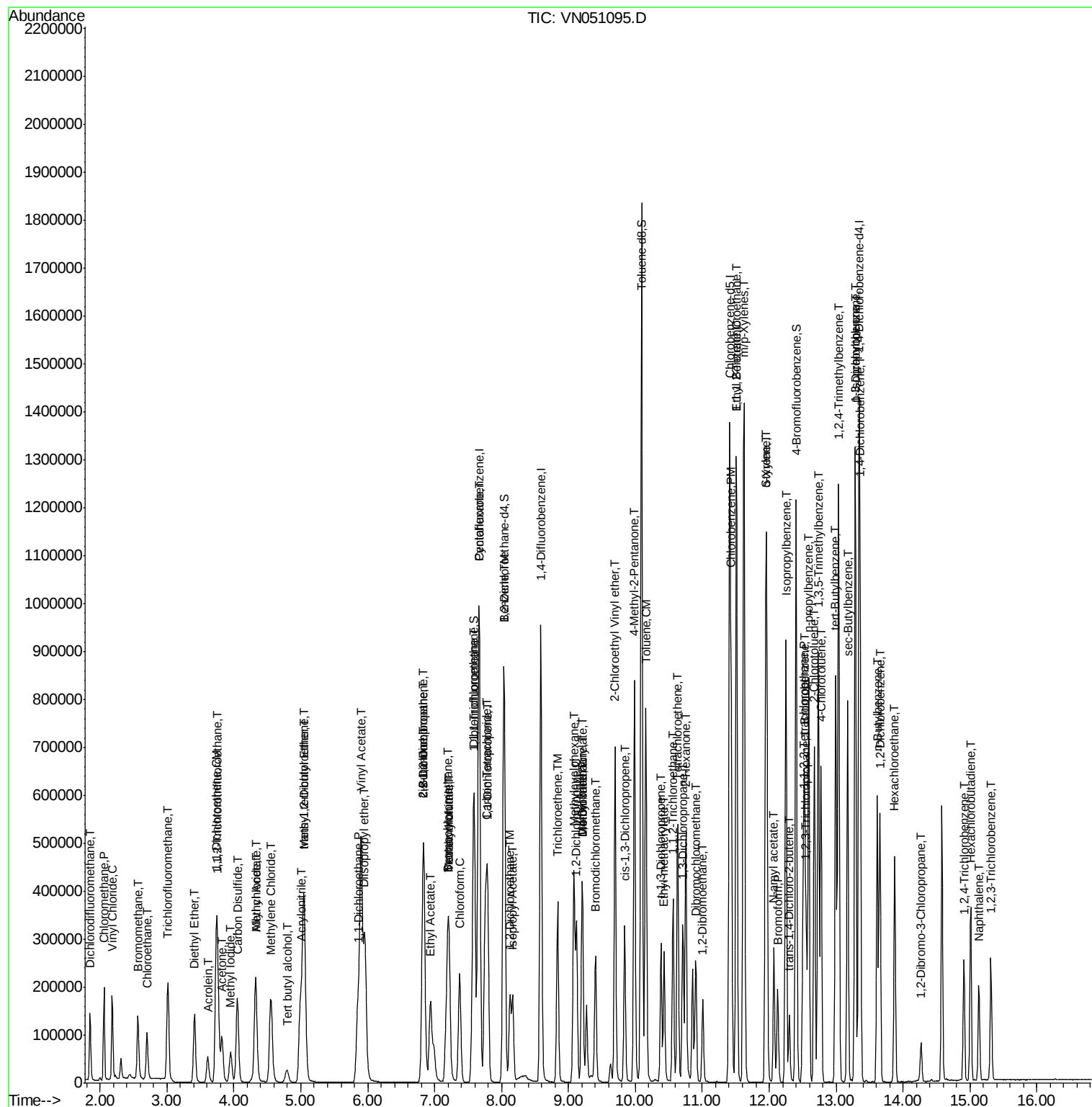
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90027	15.72	ug/l	99
94) Hexachlorobutadiene	15.01	225	79532	17.54	ug/l	100
95) Naphthalene	15.13	128	176692	16.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	97064	16.49	ug/l	99

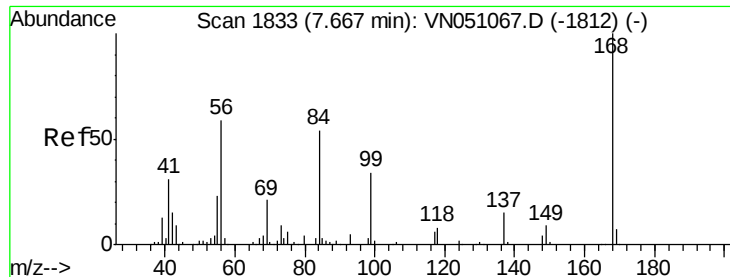
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

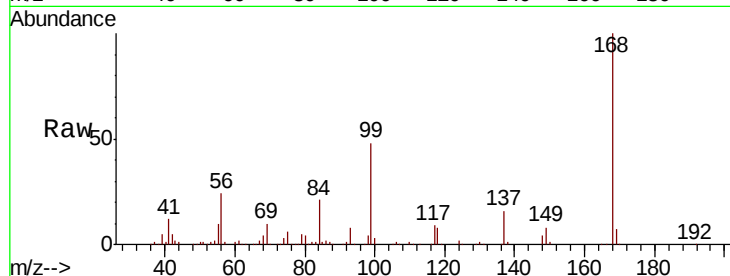
VN0910WBSD02

Tot Ion:168 Resp: 635482

Ion Ratio Lower Upper

168 100

99 48.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

250000

200000

150000

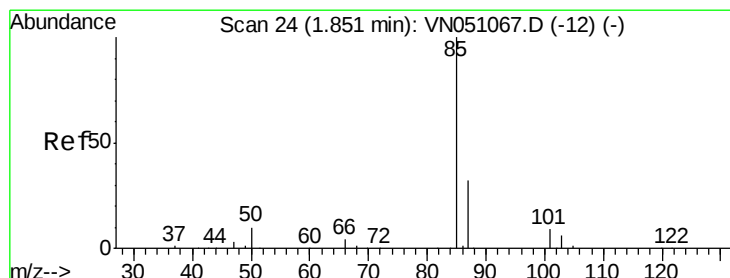
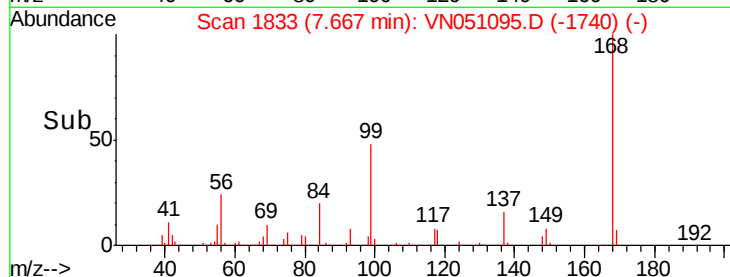
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.06 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051095.D

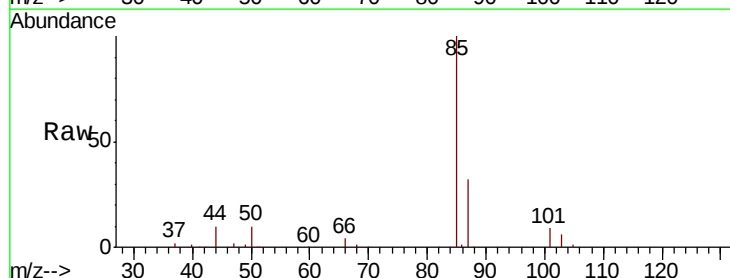
Acq: 10 Sep 2018 23:08

Tgt Ion: 85 Resp: 110696

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

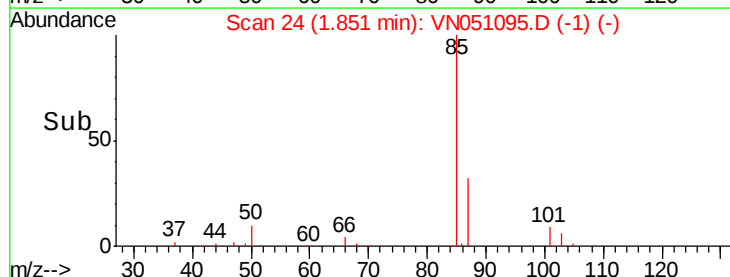
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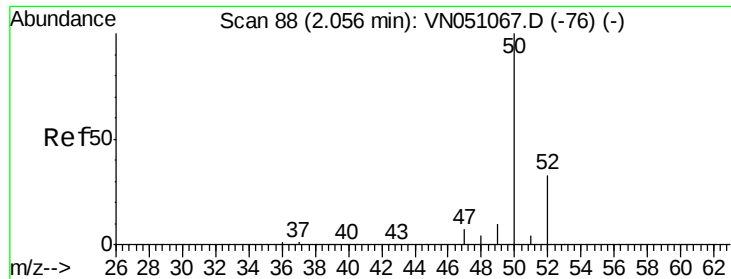
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.49 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

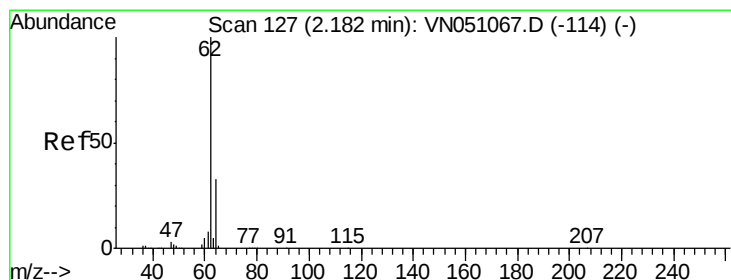
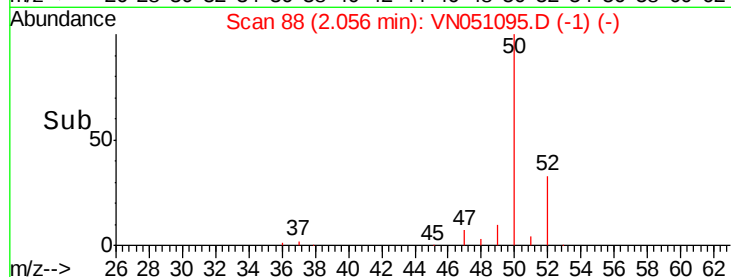
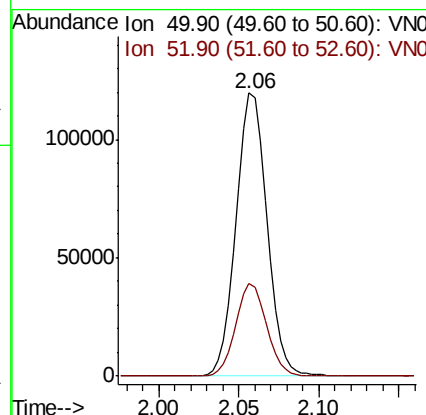
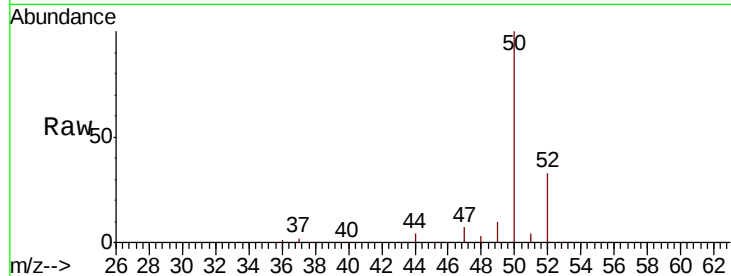
VN0910WBSD02

Tot Ion: 50 Resp: 156871

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 18.41 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051095.D

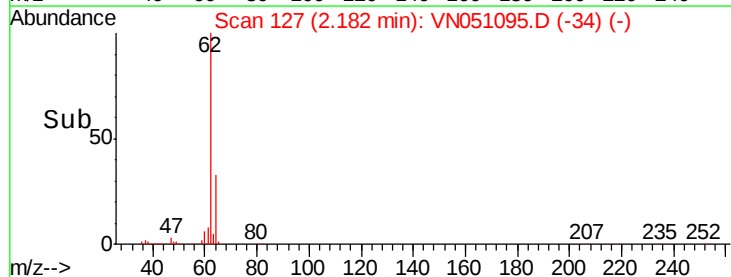
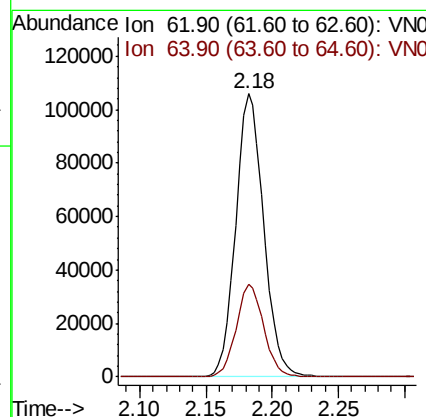
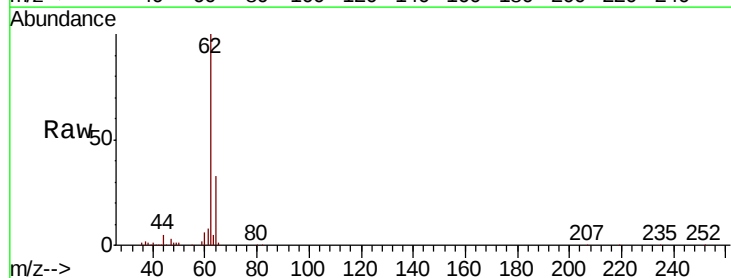
Acq: 10 Sep 2018 23:08

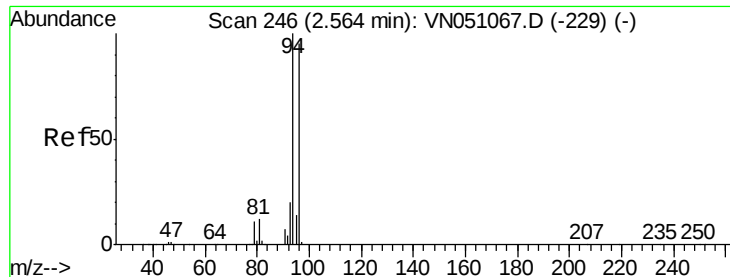
Tgt Ion: 62 Resp: 154825

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4





#5

Bromomethane

Concen: 18.41 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

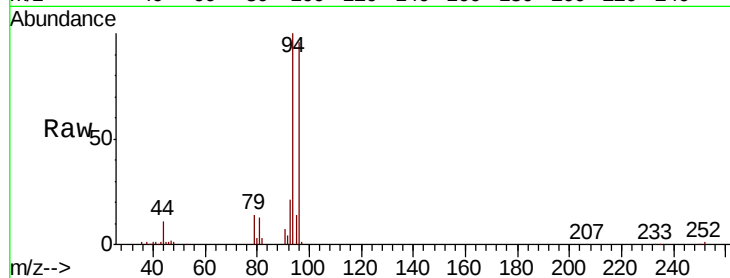
VN0910WBSD02

Tot Ion: 94 Resp: 90322

Ion Ratio Lower Upper

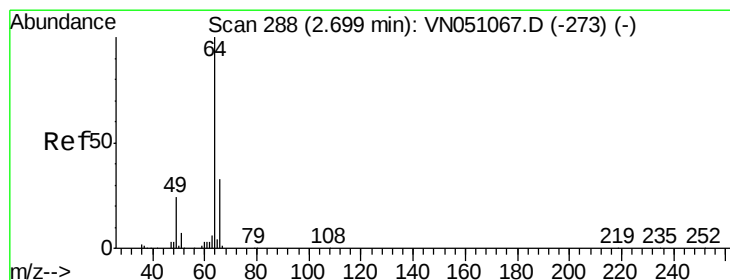
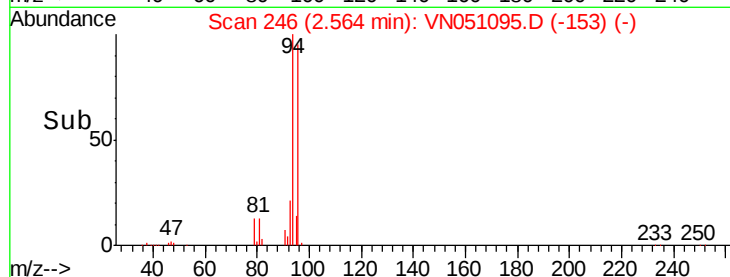
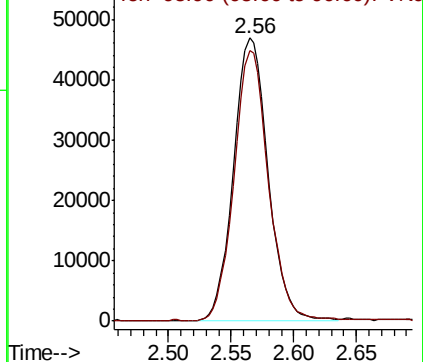
94 100

96 95.6 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.10 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051095.D

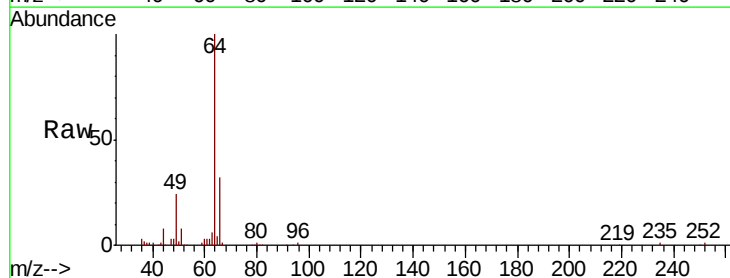
Acq: 10 Sep 2018 23:08

Tgt Ion: 64 Resp: 93990

Ion Ratio Lower Upper

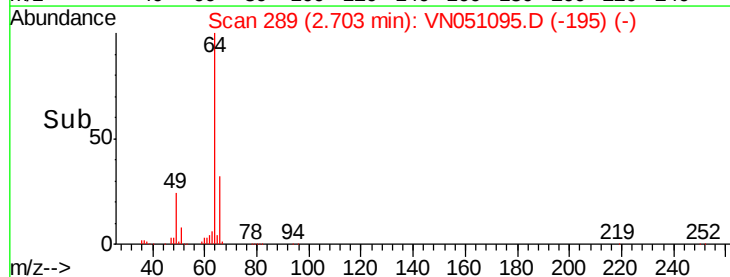
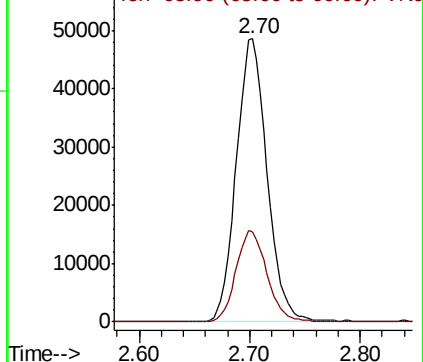
64 100

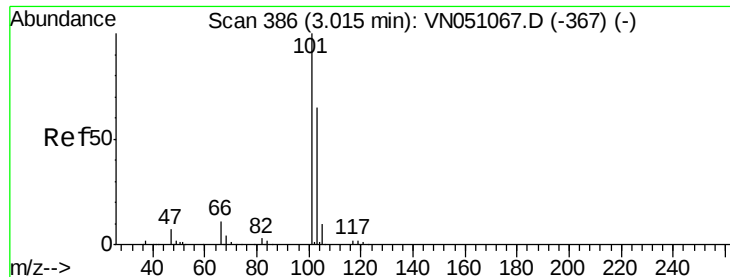
66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



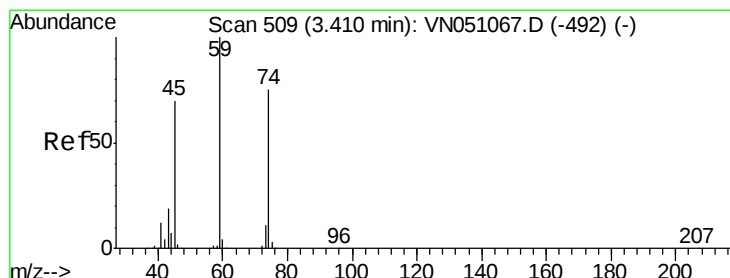
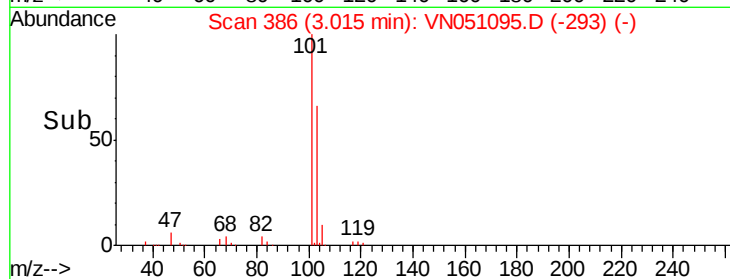
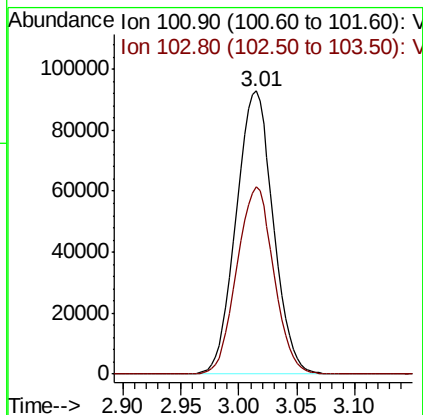
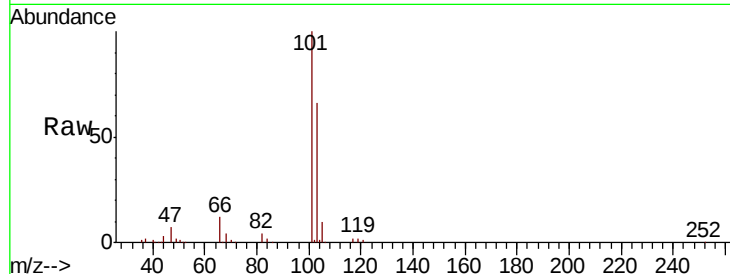


#7

Trichlorofluoromethane
 Concen: 18.49 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBSD02

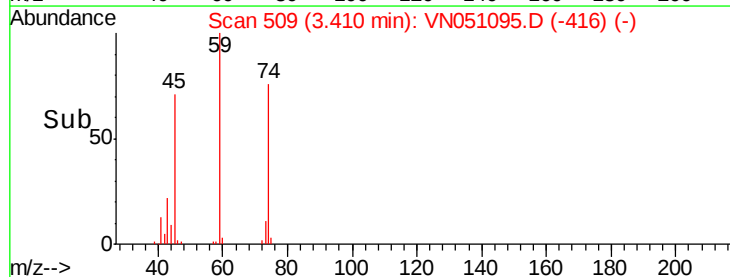
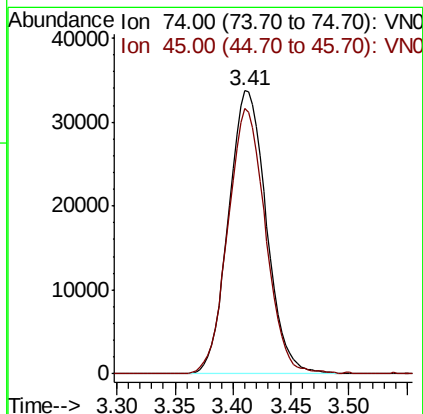
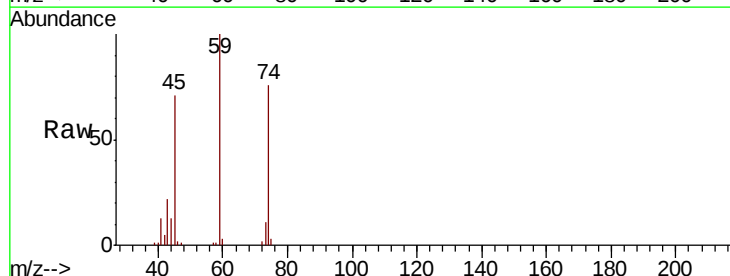
Tot Ion:101 Resp: 206097
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.4 78.6

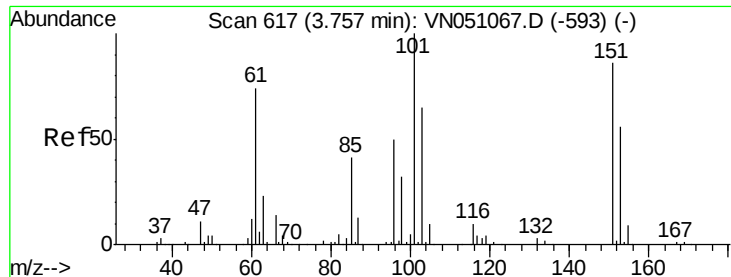


#8

Diethyl Ether
 Concen: 18.65 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 74 Resp: 76470
 Ion Ratio Lower Upper
 74 100
 45 92.8 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.90 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

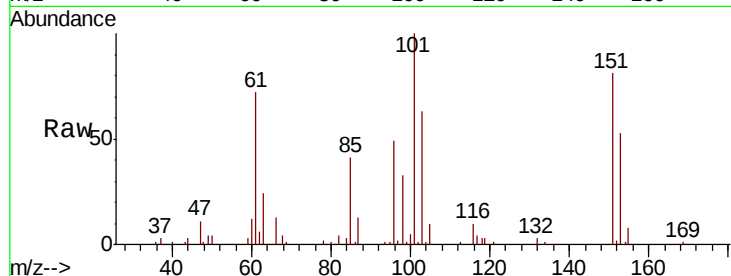
Tot Ion:101 Resp: 128590

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

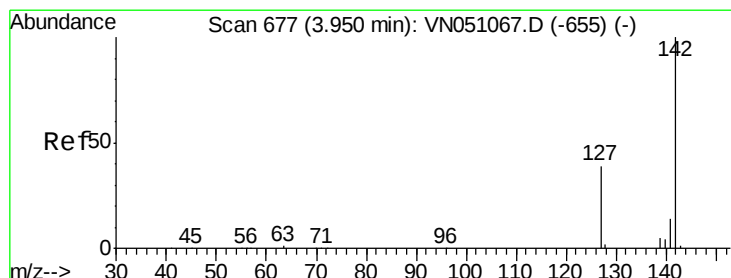
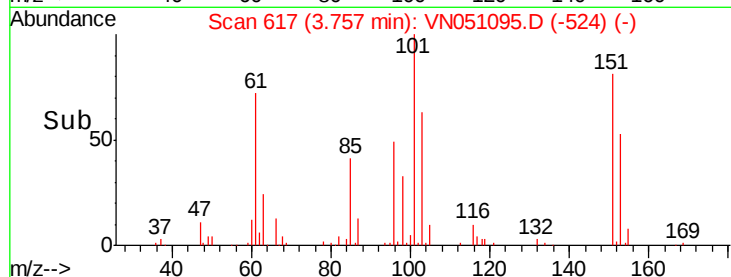
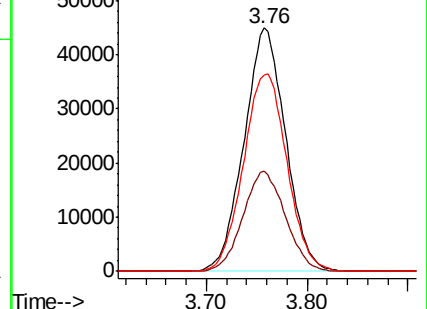
151 84.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.71 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

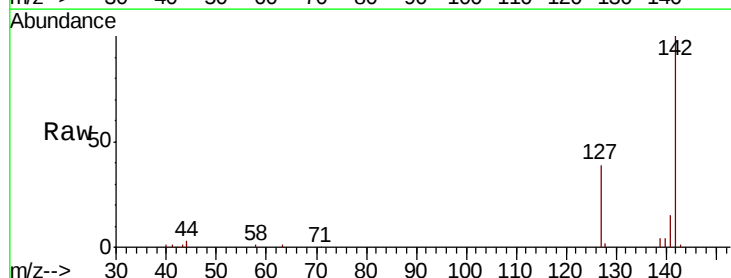
Tgt Ion:142 Resp: 106613

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

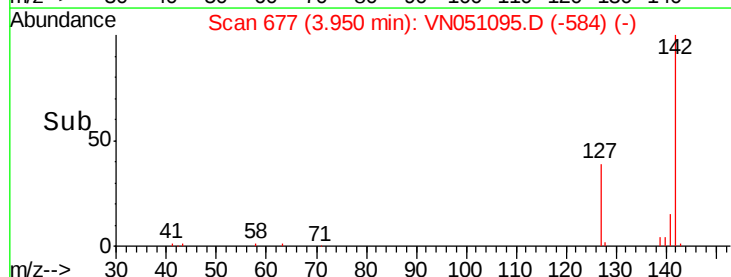
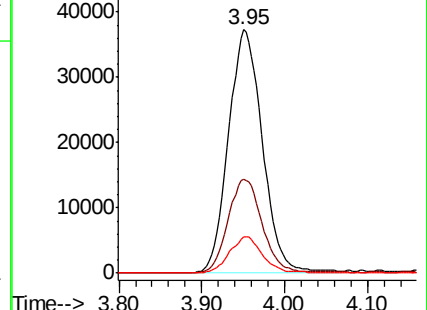
141 14.2 11.3 16.9

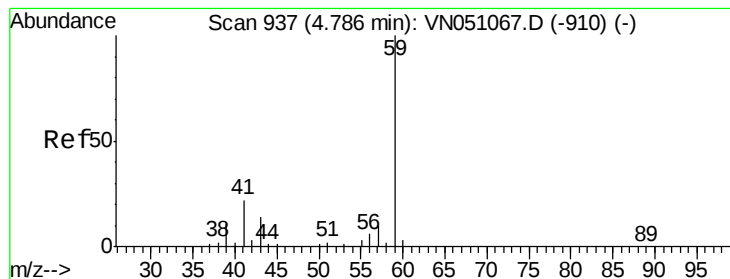


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



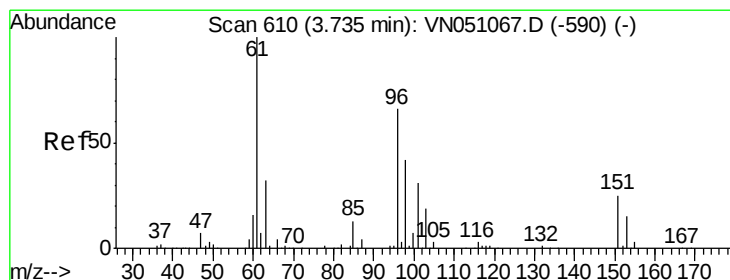
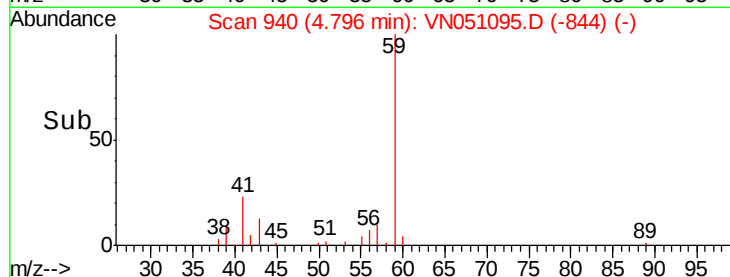
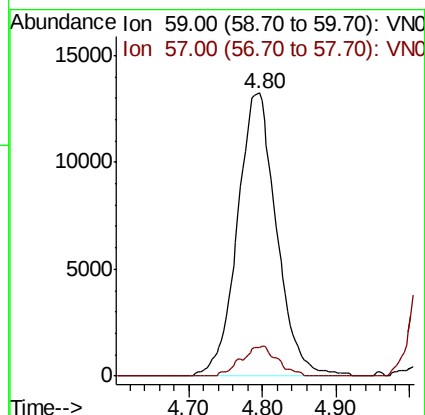
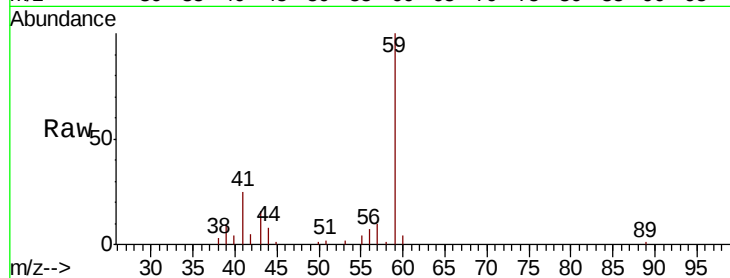


#11

Tert butyl alcohol
 Concen: 90.46 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

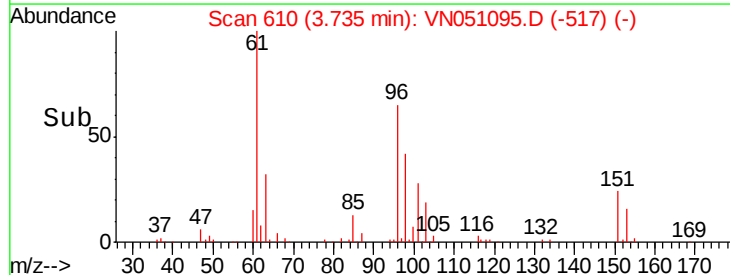
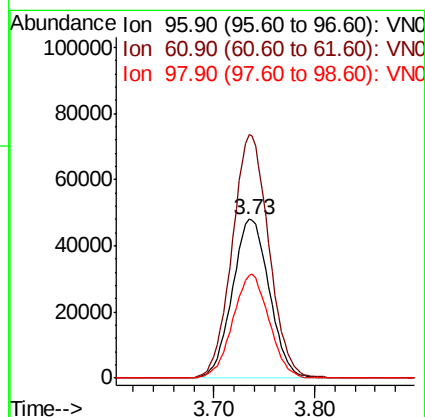
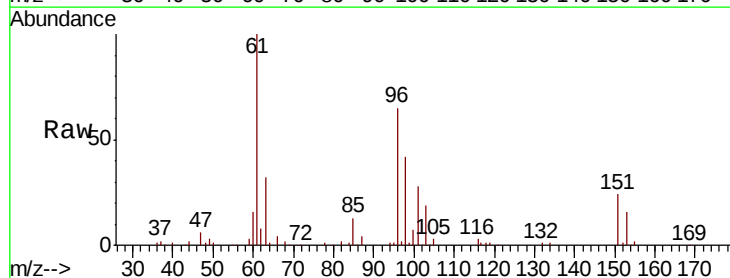
Tot Ion: 59 Resp: 48864
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.1 12.1

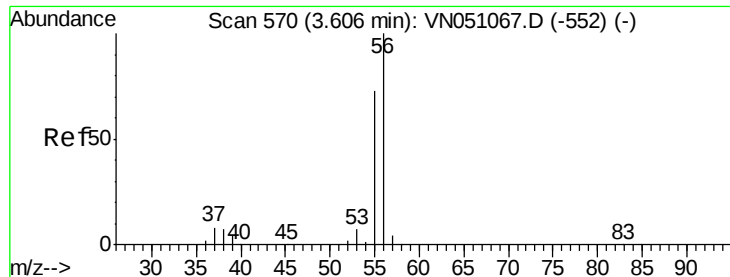


#12

1,1-Dichloroethene
 Concen: 18.06 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 96 Resp: 122430
 Ion Ratio Lower Upper
 96 100
 61 153.2 120.3 180.5
 98 64.8 50.8 76.2

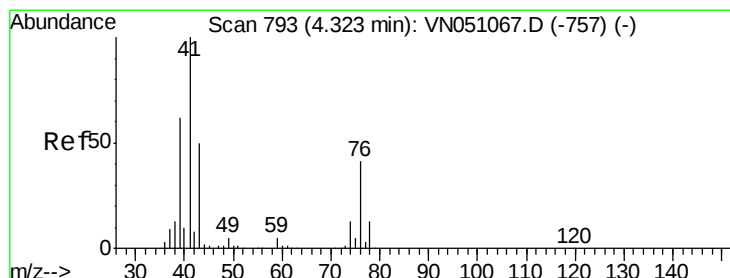
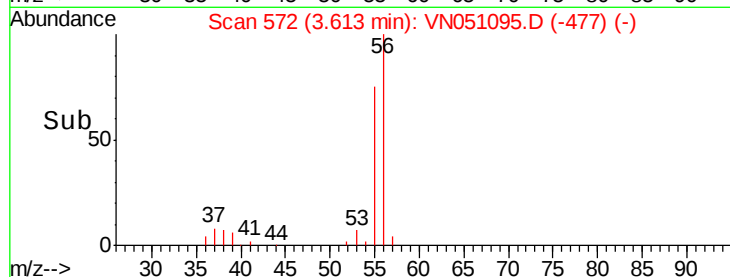
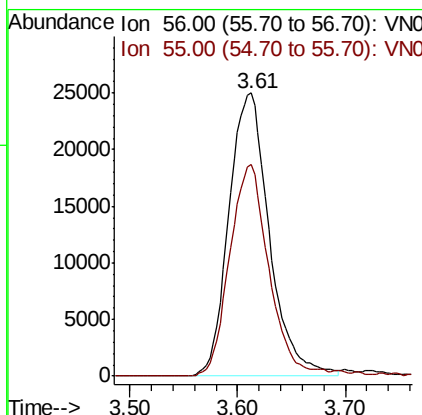
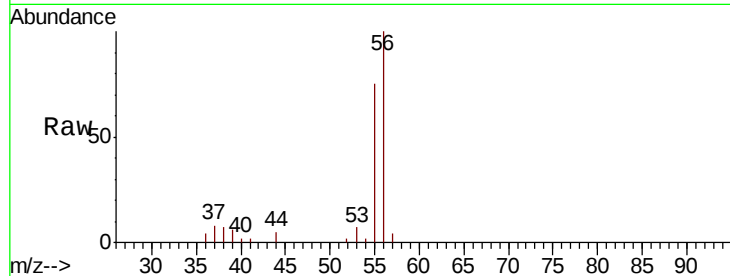




#13
Acrolein
Concen: 113.81 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

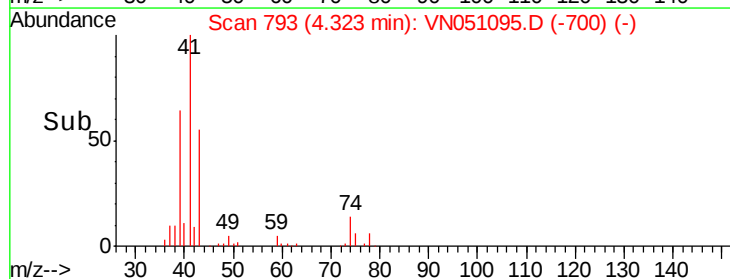
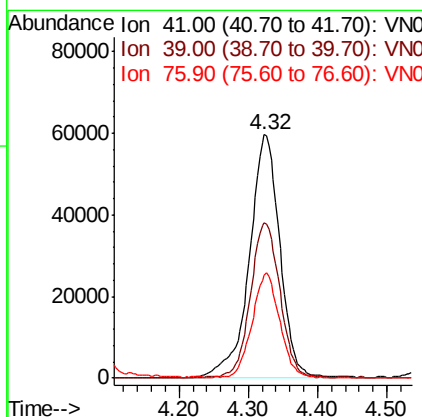
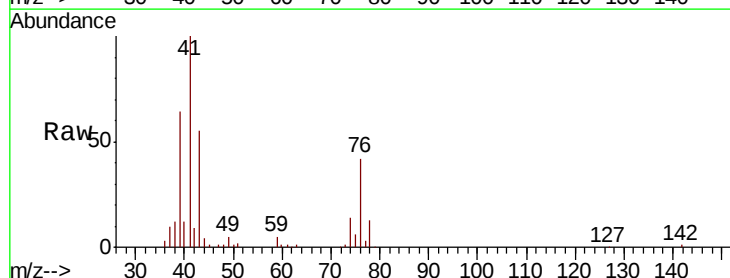
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

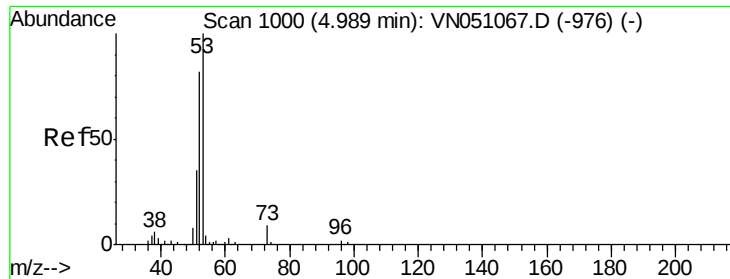
Tot Ion: 56 Resp: 65380
Ion Ratio Lower Upper
56 100
55 72.3 58.0 87.0



#14
Allyl chloride
Concen: 17.70 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion: 41 Resp: 182843
Ion Ratio Lower Upper
41 100
39 61.9 48.8 73.2
76 38.1 30.6 45.8

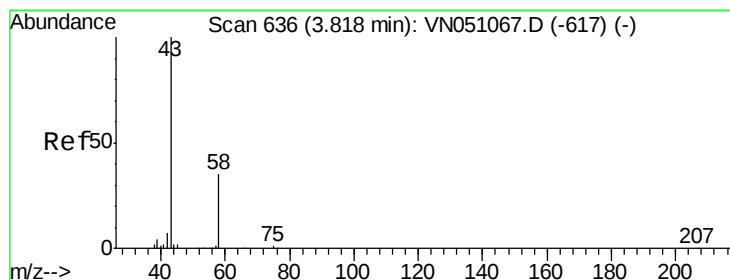
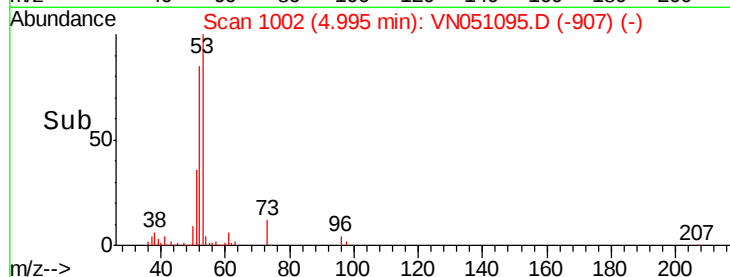
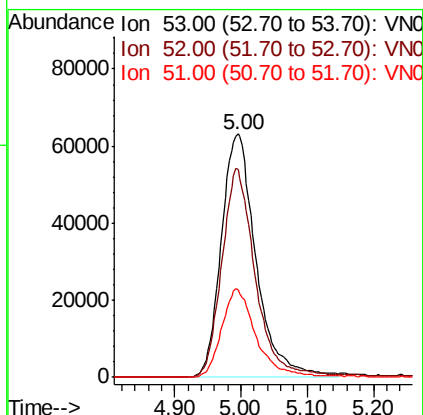
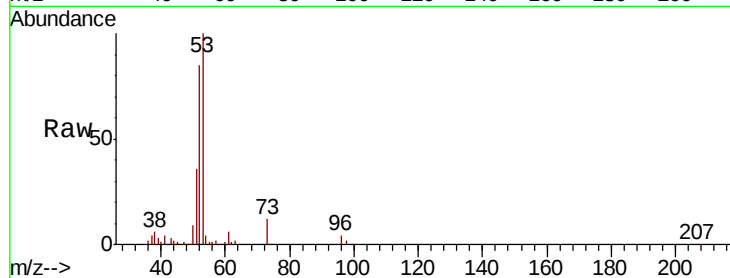




#15
 Acrylonitrile
 Concen: 96.20 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

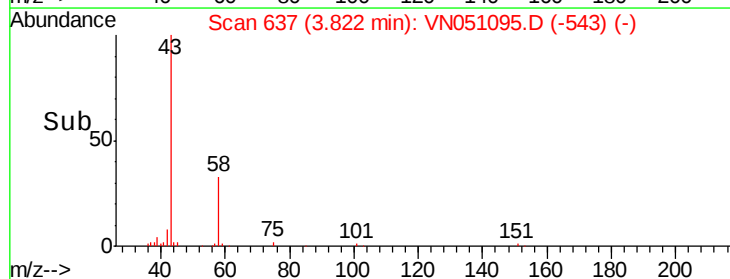
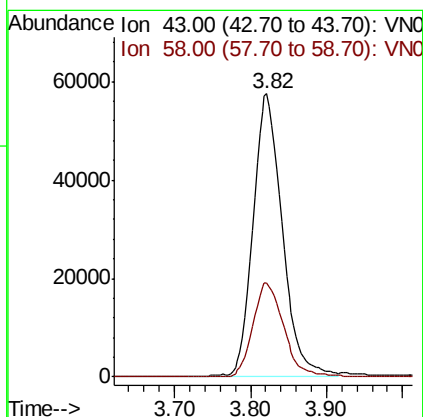
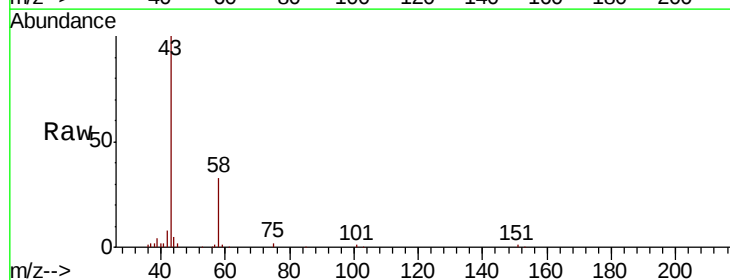
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

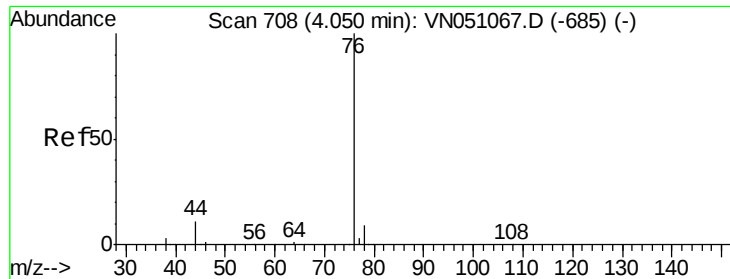
Tot Ion: 53 Resp: 230254
 Ion Ratio Lower Upper
 53 100
 52 82.4 65.3 97.9
 51 36.0 28.2 42.2



#16
 Acetone
 Concen: 84.68 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 43 Resp: 154815
 Ion Ratio Lower Upper
 43 100
 58 33.0 27.8 41.6

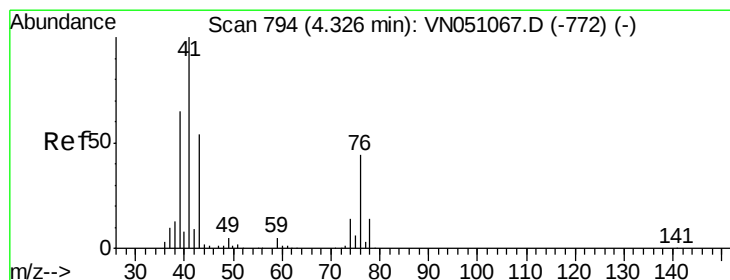
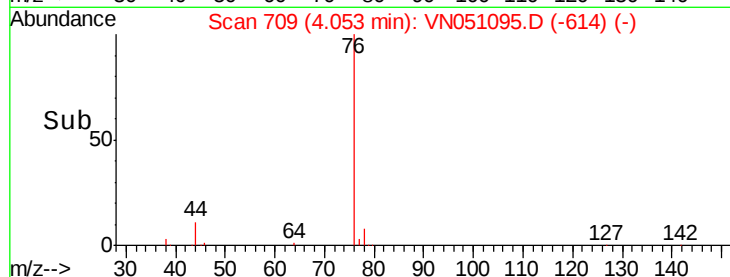
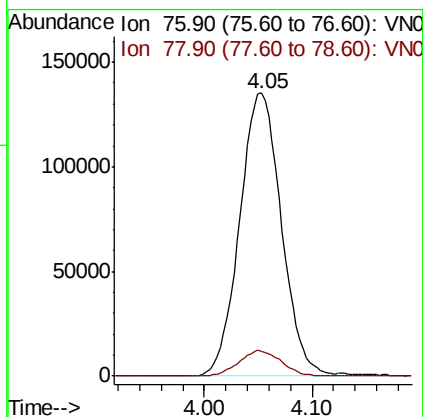
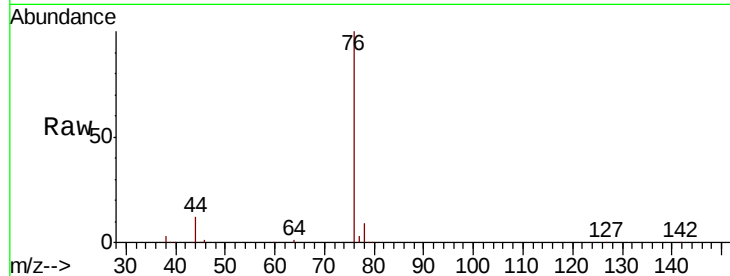




#17
Carbon Disulfide
Concen: 18.26 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

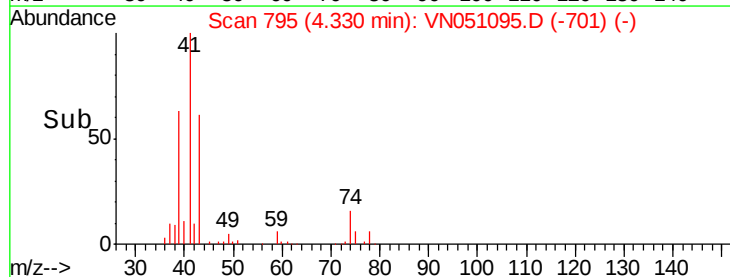
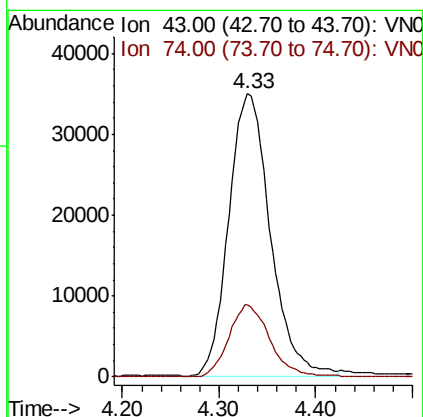
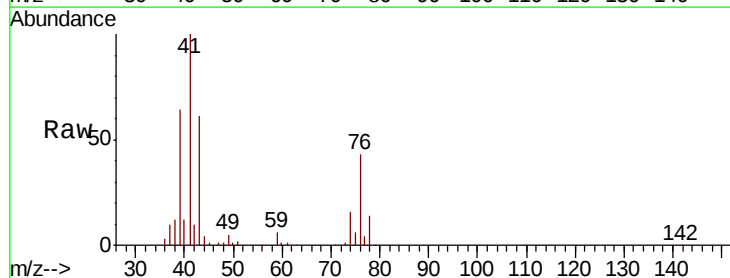
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

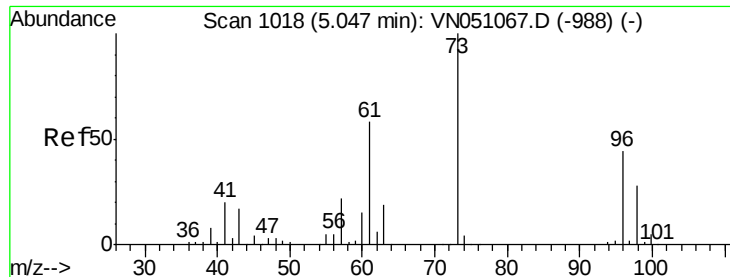
Tot Ion: 76 Resp: 363369
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 18.61 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion: 43 Resp: 105386
Ion Ratio Lower Upper
43 100
74 24.8 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 18.82 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampled :

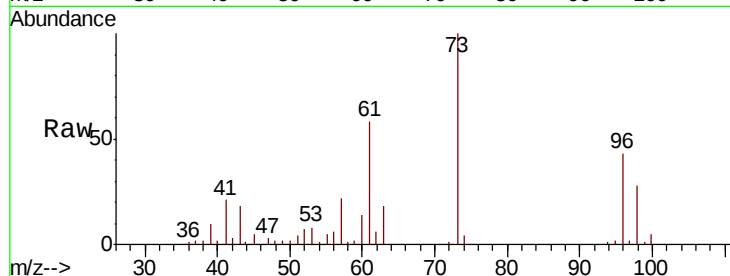
VN0910WBSD02

Tot Ion: 73 Resp: 337315

Ion Ratio Lower Upper

73 100

57 22.0 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN051067.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051067.D (-988) (-)

5.05

100000

80000

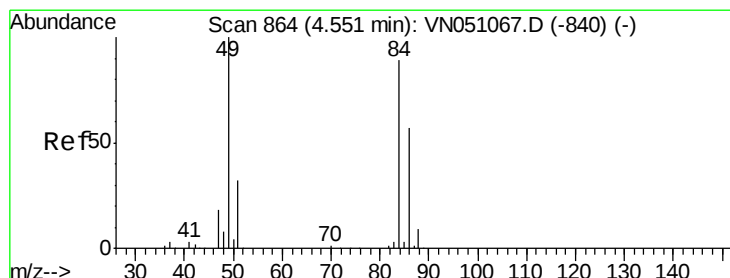
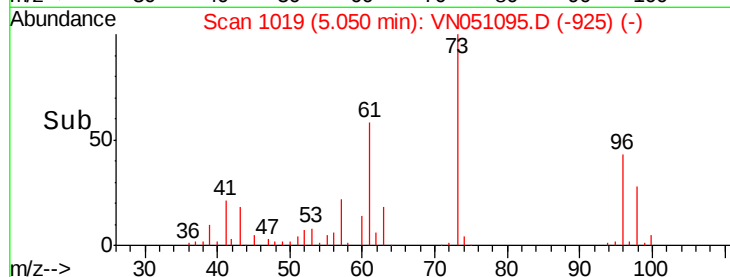
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 18.58 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Tgt Ion: 84 Resp: 145163

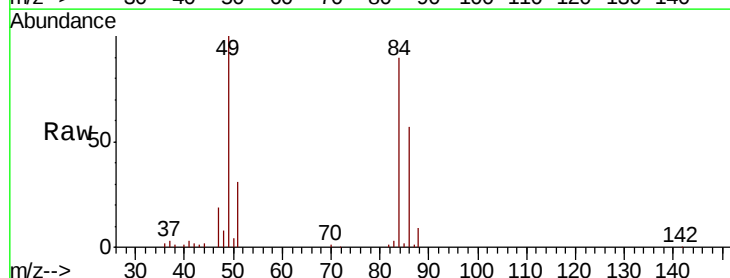
Ion Ratio Lower Upper

84 100

49 111.7 90.2 135.2

51 34.6 28.4 42.6

86 63.3 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VN051067.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN051067.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN051067.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN051067.D (-840) (-)

80000

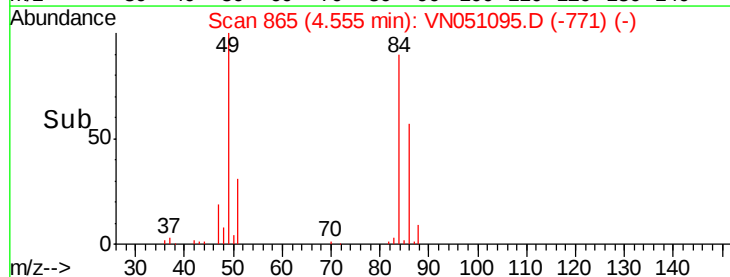
60000

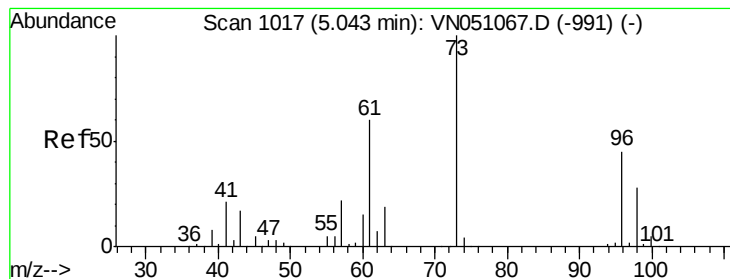
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.24 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

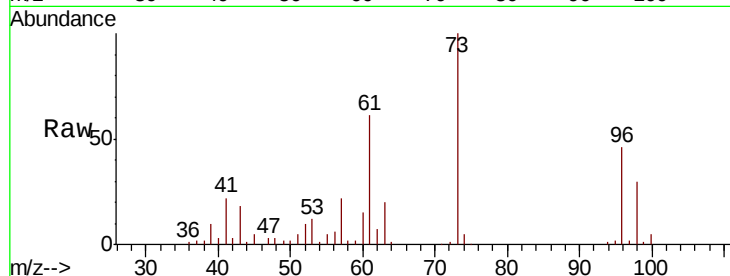
Tot Ion: 96 Resp: 134084

Ion Ratio Lower Upper

96 100

61 132.8 106.5 159.7

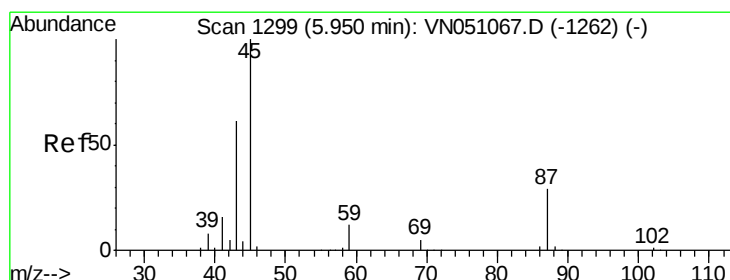
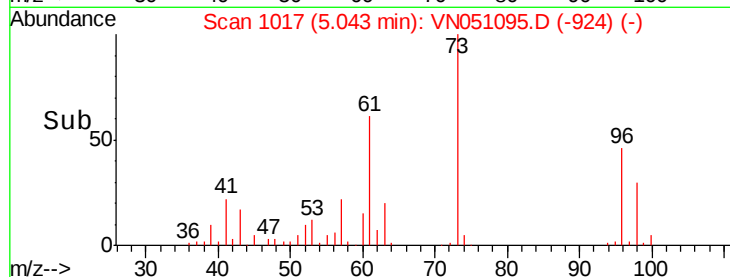
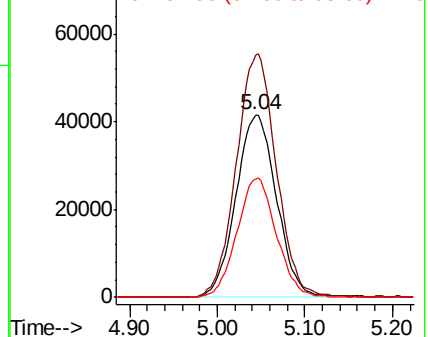
98 65.1 50.4 75.6



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



#22

Diisopropyl ether

Concen: 19.72 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Tgt Ion: 45 Resp: 404258

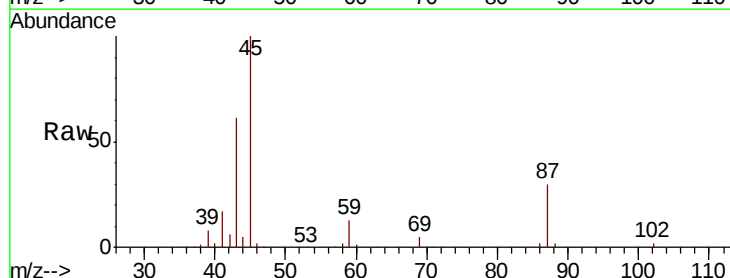
Ion Ratio Lower Upper

45 100

43 59.6 48.8 73.2

87 29.9 23.8 35.8

59 12.6 9.6 14.4

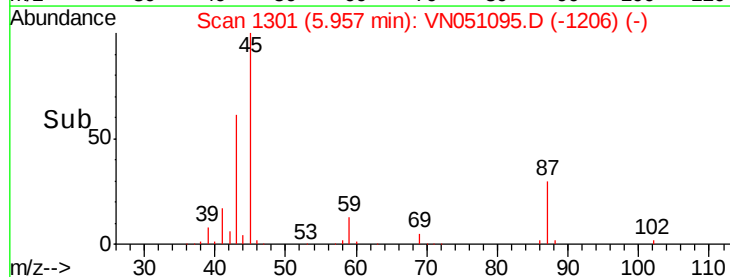
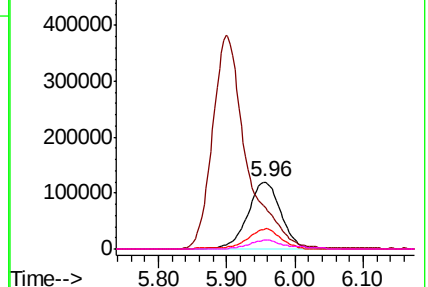


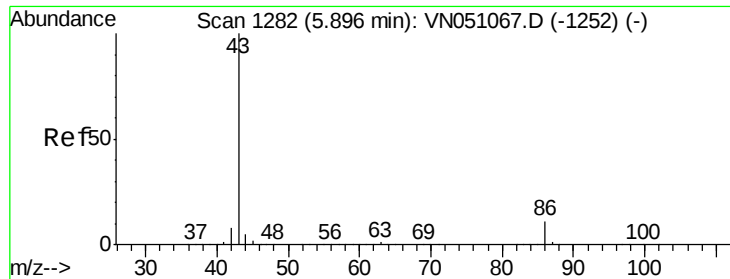
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

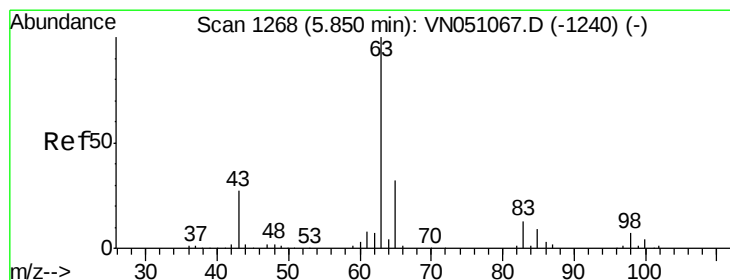
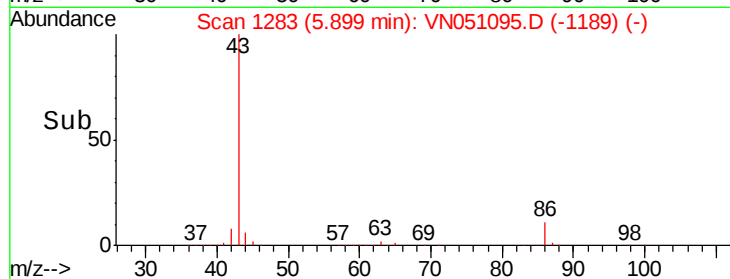
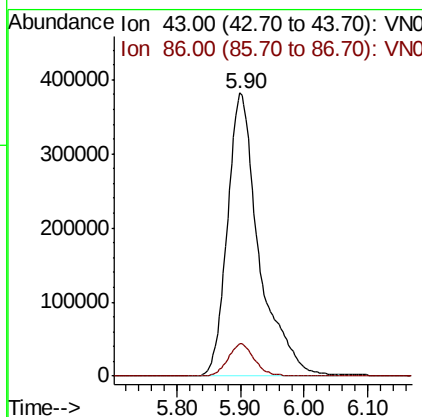
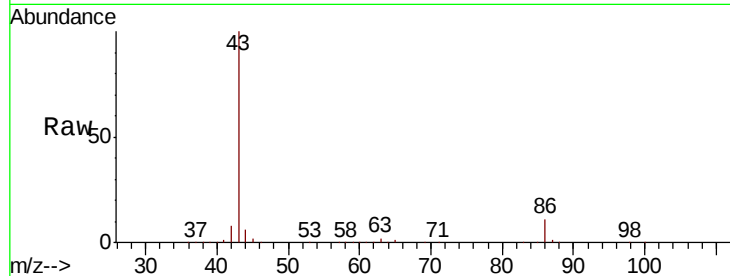




#23
 Vinyl Acetate
 Concen: 95.39 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

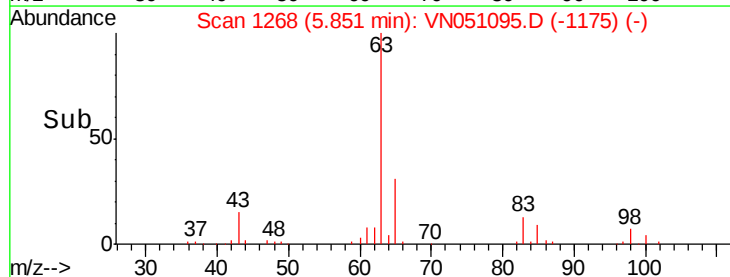
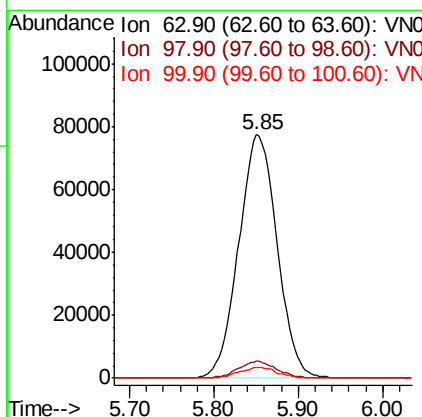
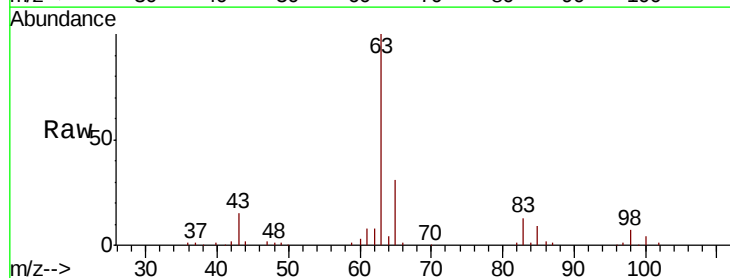
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

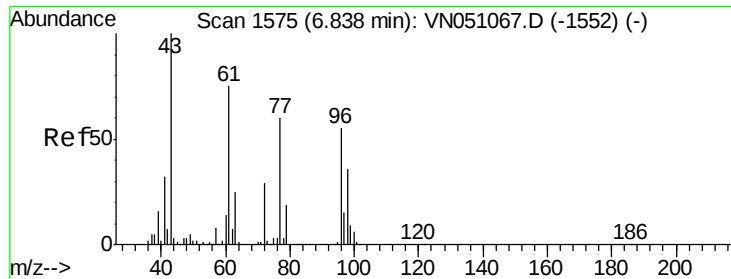
Tot Ion: 43 Resp: 1323312
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 18.85 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 63 Resp: 245111
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.3 2.1 6.3

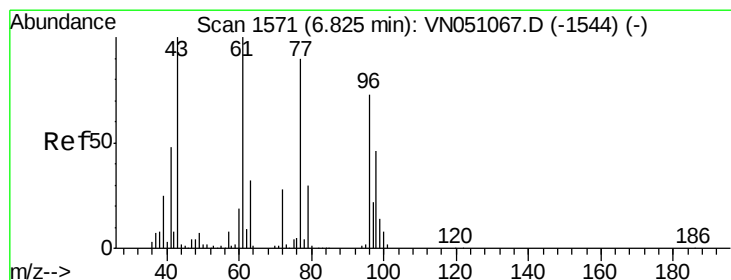
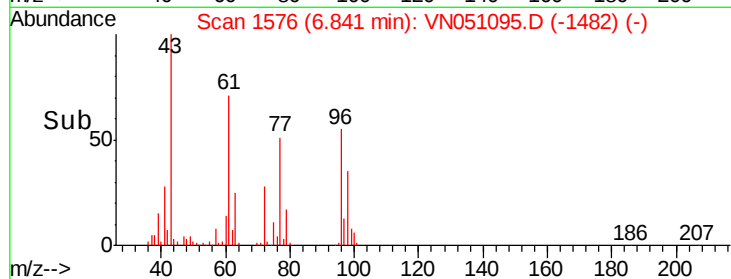
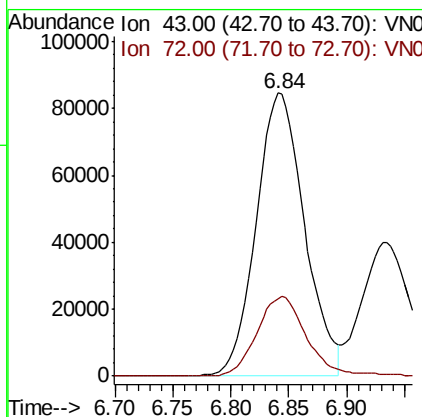
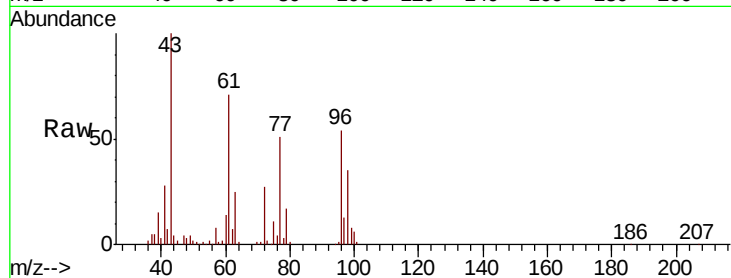




#25
 2-Butanone
 Concen: 87.68 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

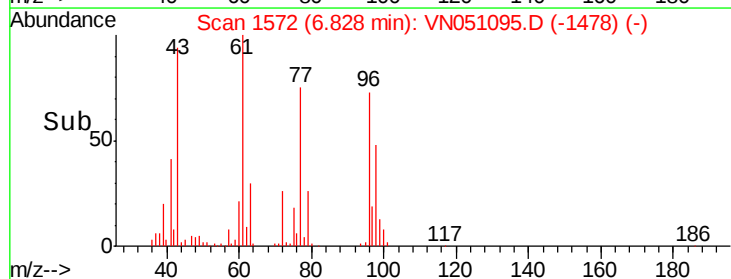
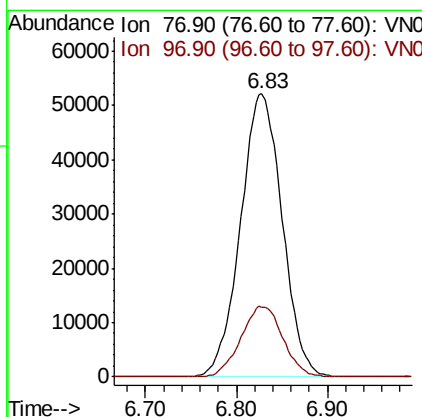
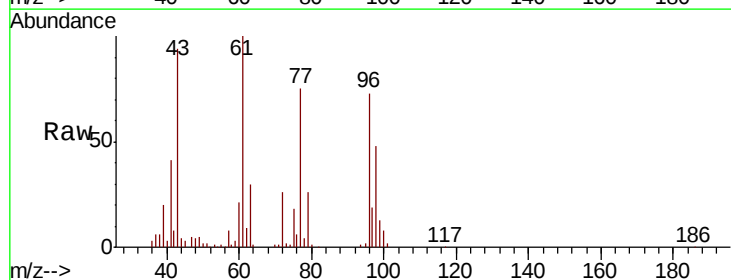
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0910WBSD02

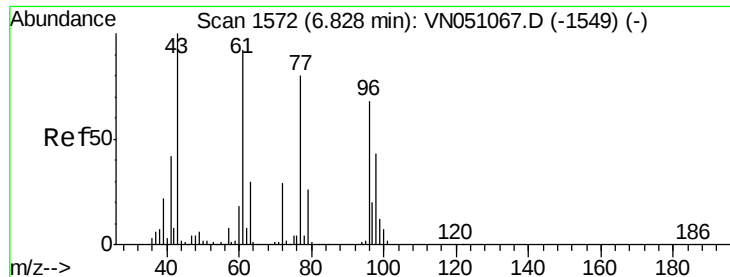
Tot Ion: 43 Resp: 243798
 Ion Ratio Lower Upper
 43 100
 72 27.5 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 15.56 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 77 Resp: 165670
 Ion Ratio Lower Upper
 77 100
 97 25.1 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

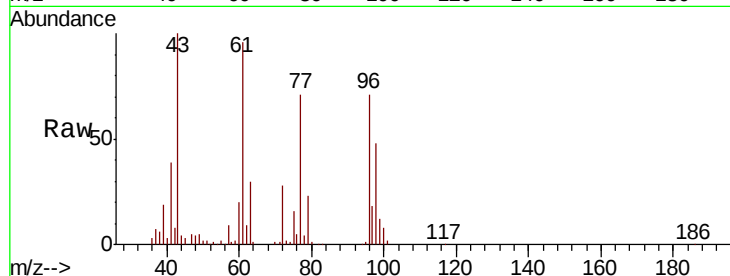
Tot Ion: 96 Resp: 149916

Ion Ratio Lower Upper

96 100

61 135.2 0.0 278.2

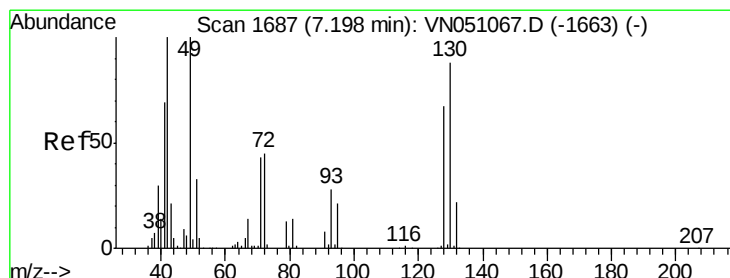
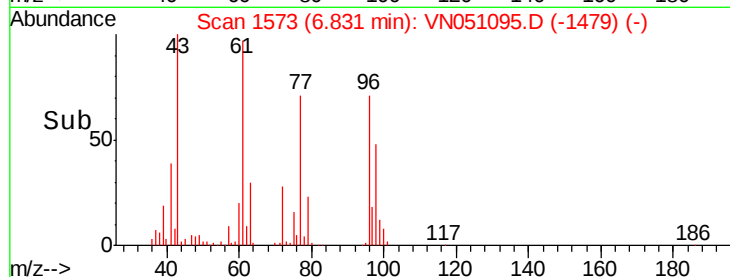
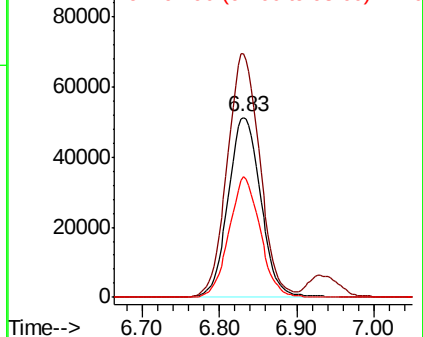
98 63.6 0.0 129.4



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: 19.51 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

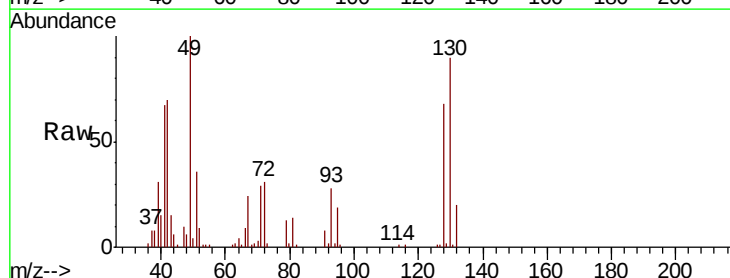
Tgt Ion: 49 Resp: 112953

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

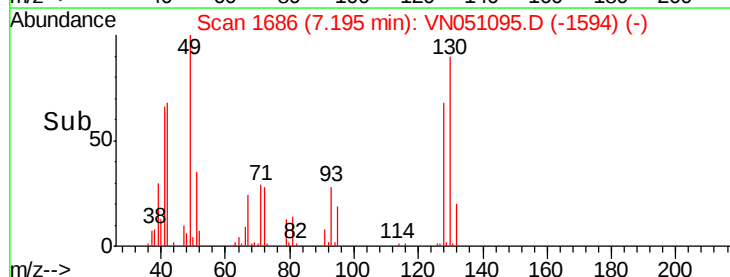
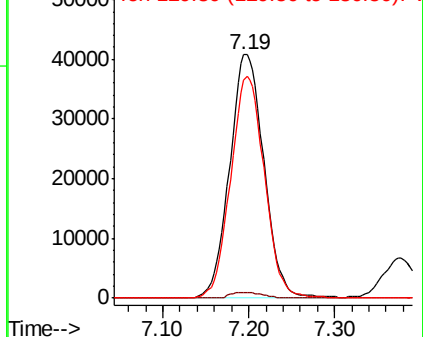
130 89.2 70.7 106.1

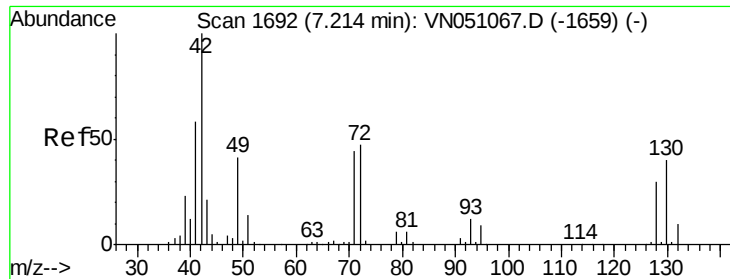


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.28 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

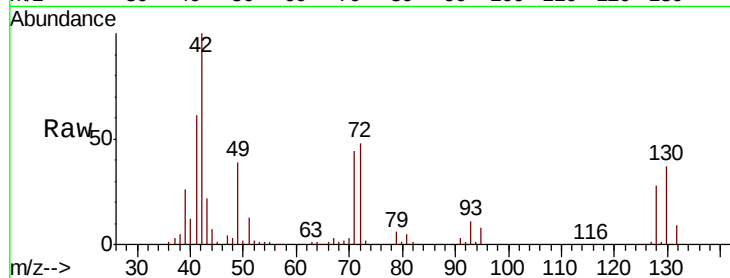
Tot Ion: 42 Resp: 170650

Ion Ratio Lower Upper

42 100

72 46.4 37.4 56.0

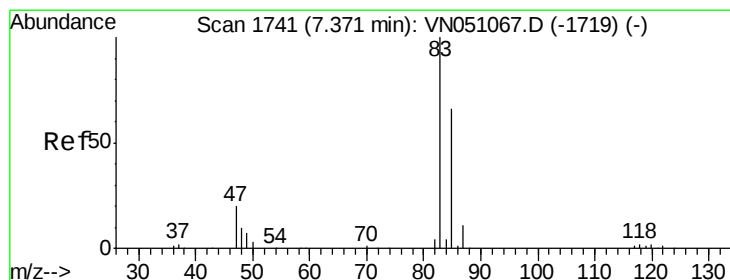
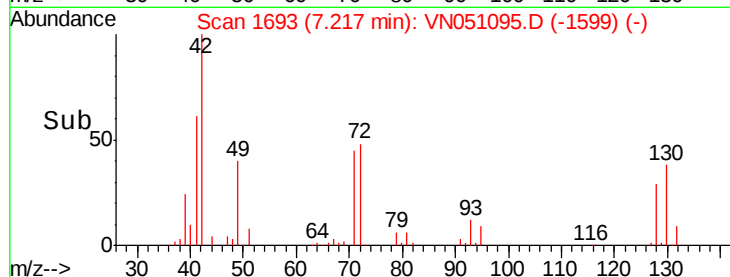
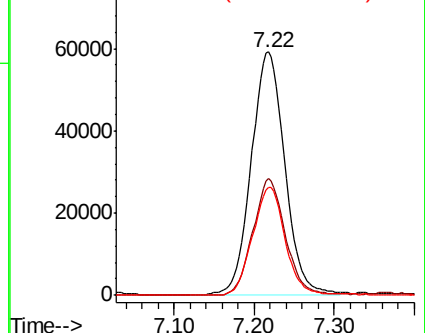
71 42.9 34.7 52.1



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: 19.16 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051095.D

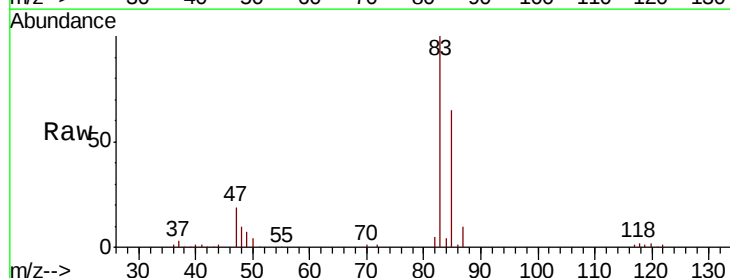
Acq: 10 Sep 2018 23:08

Tgt Ion: 83 Resp: 247861

Ion Ratio Lower Upper

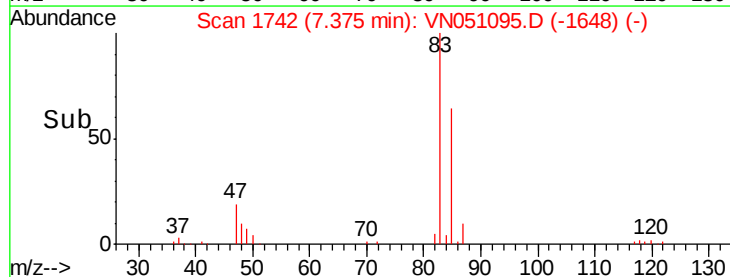
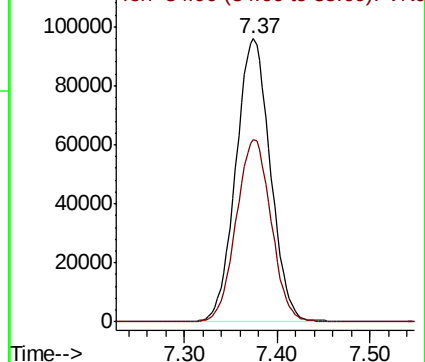
83 100

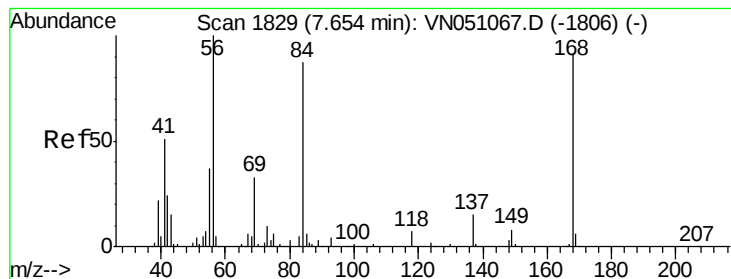
85 64.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.20 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

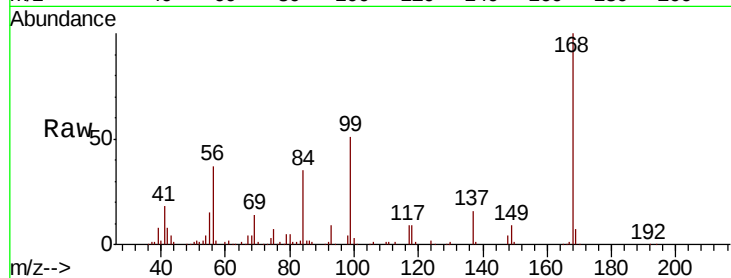
Tot Ion: 56 Resp: 212700

Ion Ratio Lower Upper

56 100

69 38.3 26.3 39.5

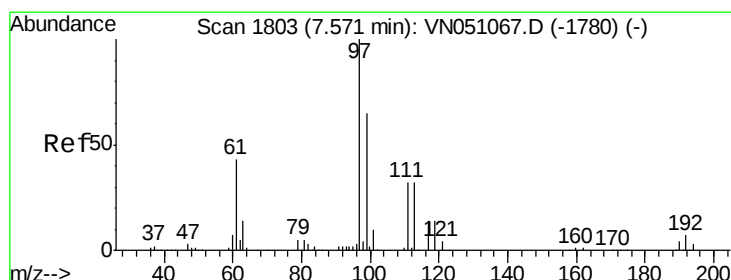
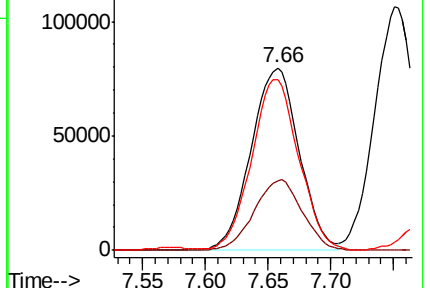
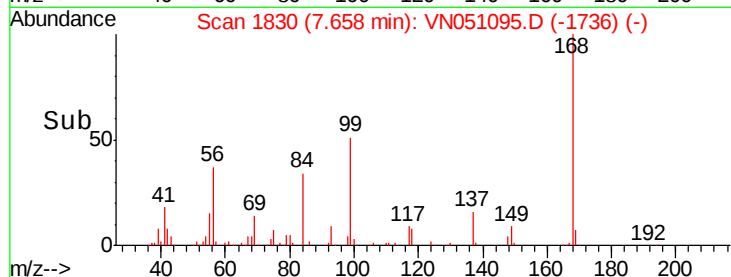
84 92.5 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.82 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

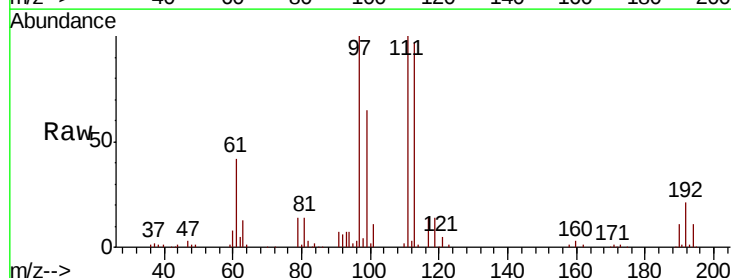
Tgt Ion: 97 Resp: 207499

Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

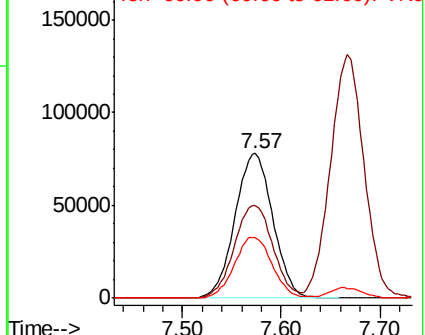
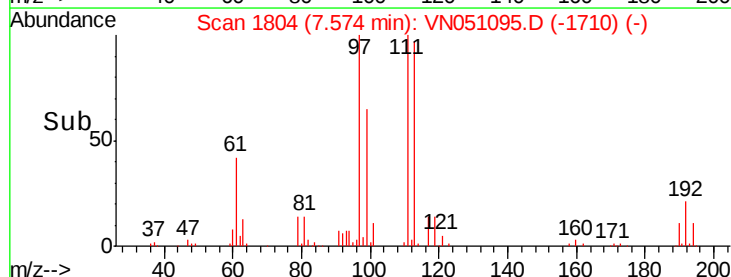
61 42.0 33.8 50.6

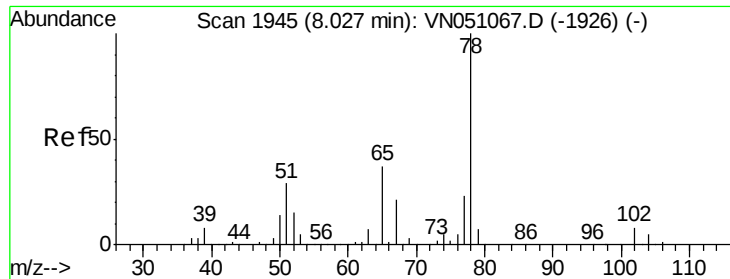


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

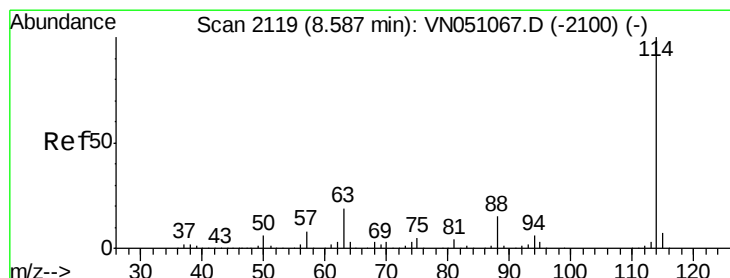
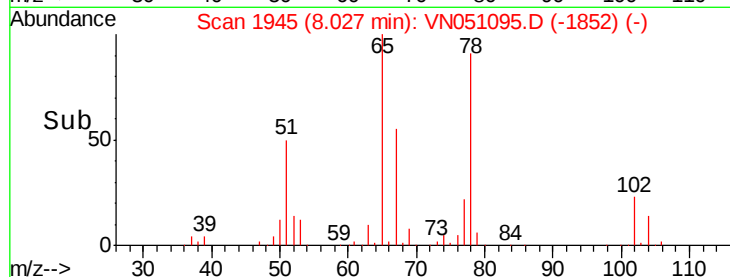
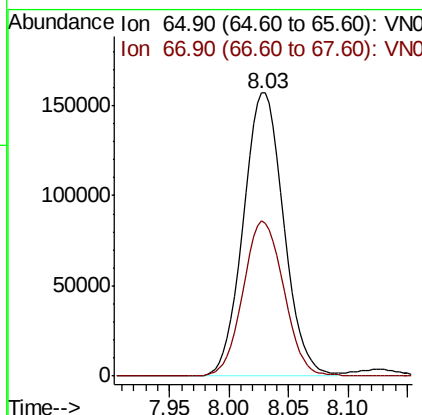
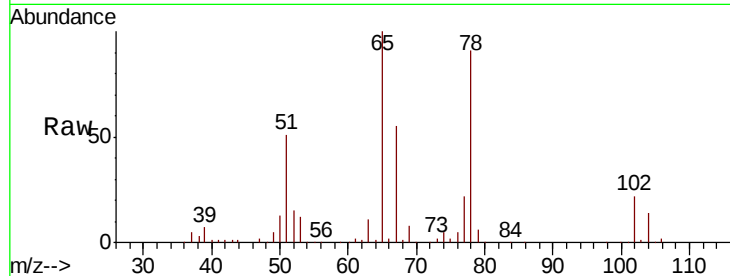




#33
 1,2-Dichloroethane-d4
 Concen: 52.31 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

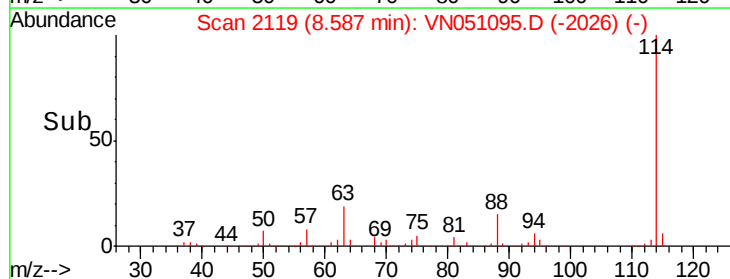
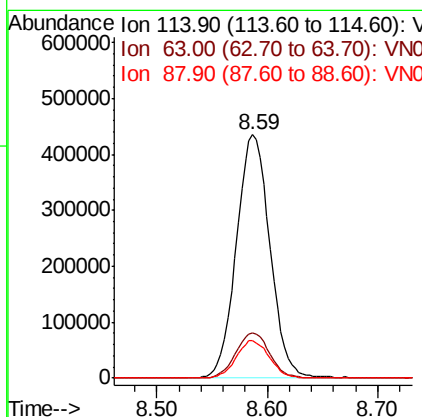
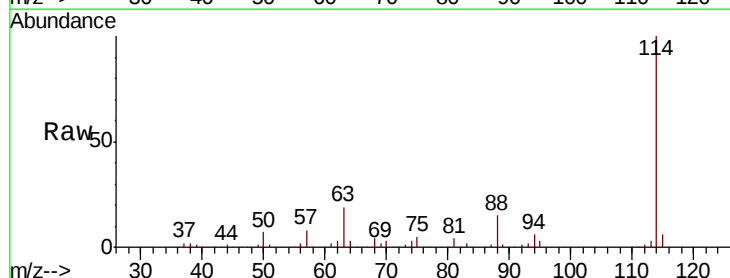
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

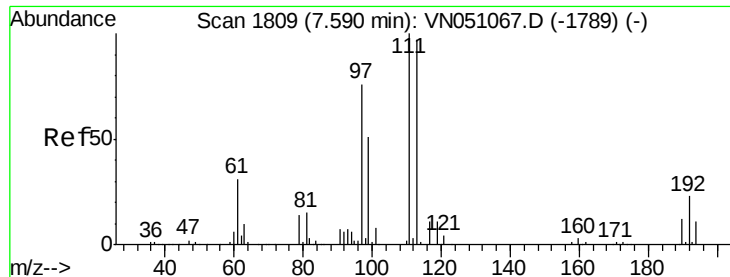
Tot Ion: 65 Resp: 369946
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 114 Resp: 918886
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 15.3 0.0 30.8

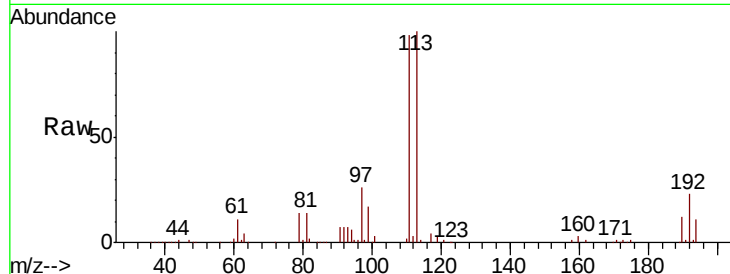




#35
 Dibromofluoromethane
 Concen: 52.47 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.6
192	22.9	18.7	28.1

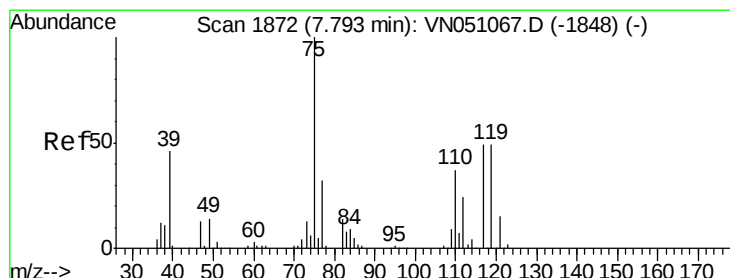
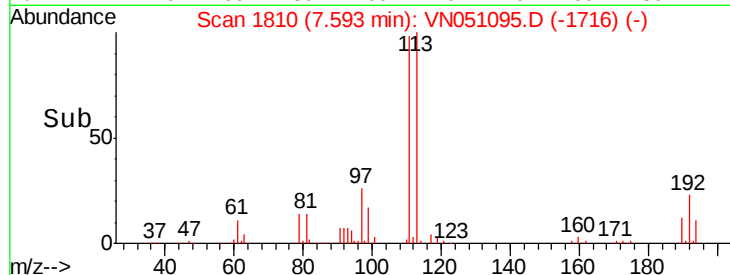
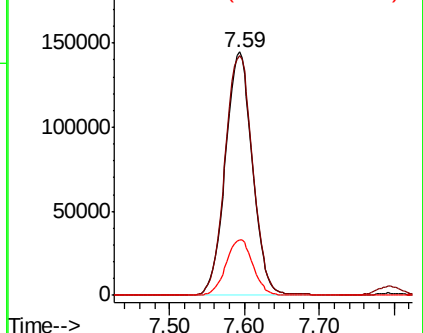


Abundance

Ion 112.80 (112.50 to 113.50): V

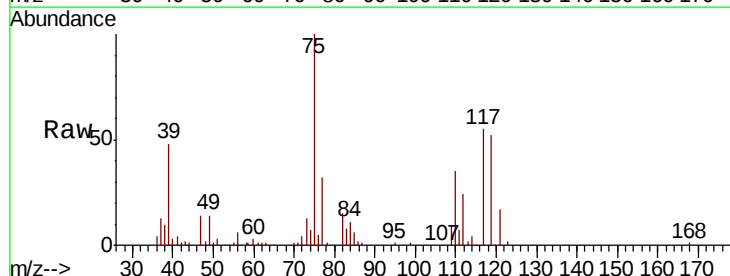
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.18 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.6	55.8
77	30.9	25.2	37.8

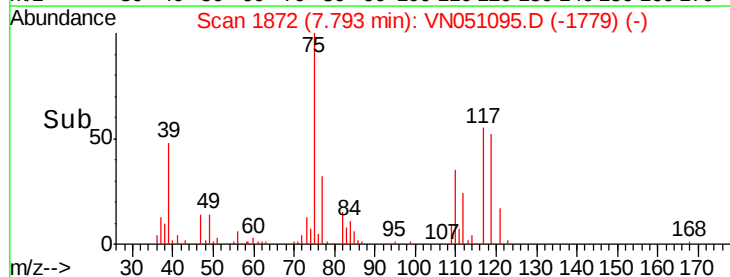
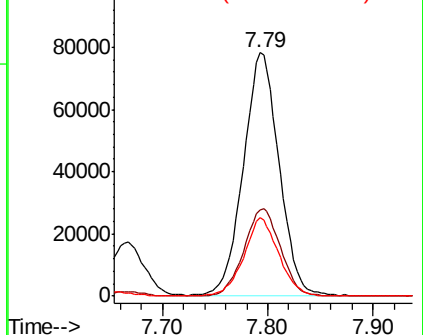


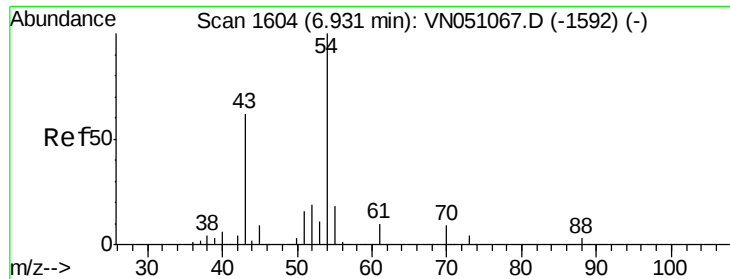
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

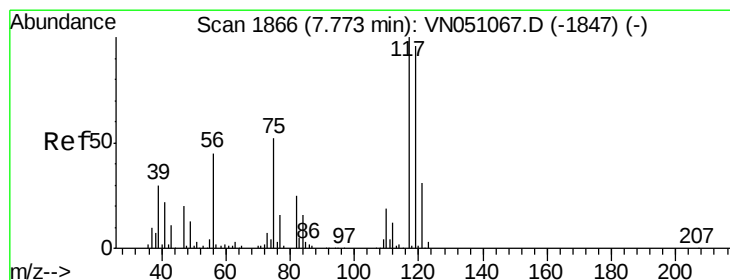
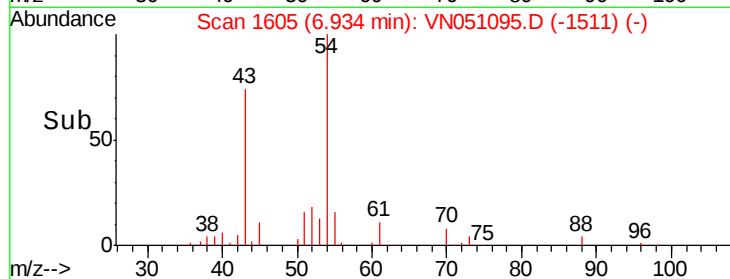
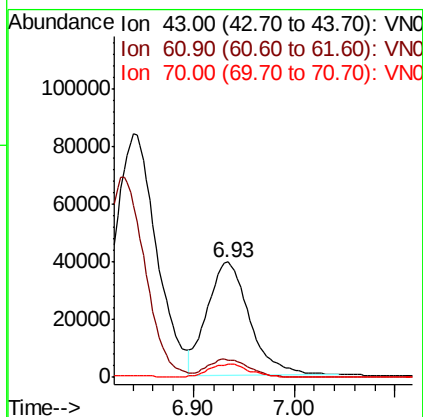
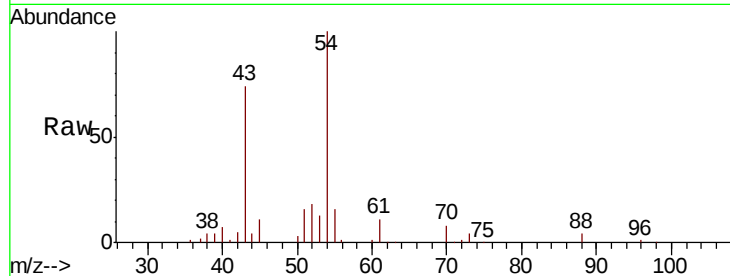




#37
 Ethyl Acetate
 Concen: 19.93 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

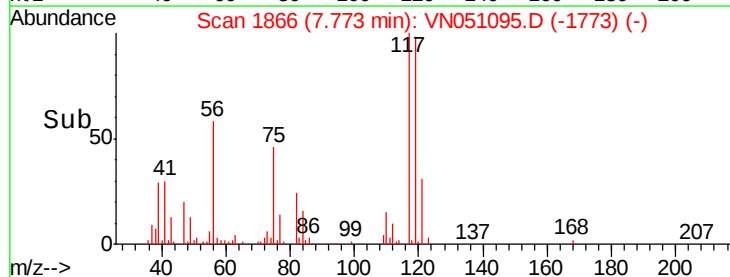
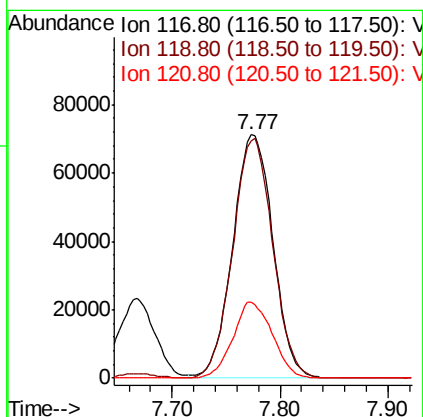
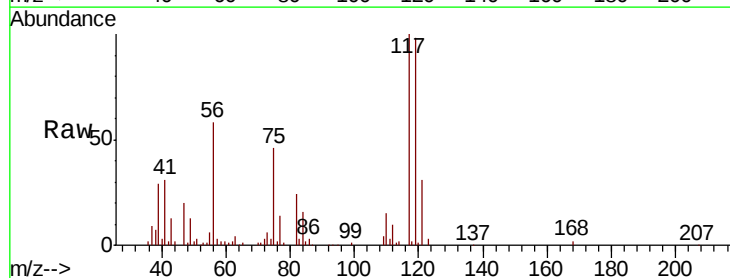
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0910WBSD02

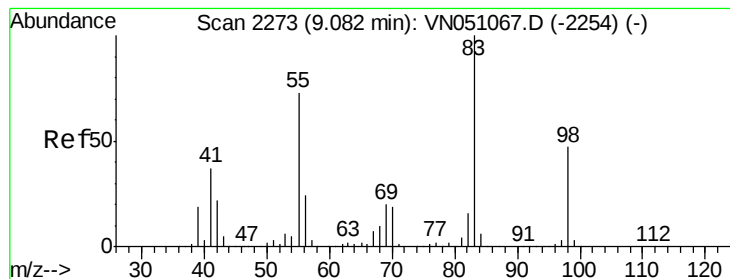
Tot Ion: 43 Resp: 116476
 Ion Ratio Lower Upper
 43 100
 61 15.0 12.4 18.6
 70 11.3 9.3 13.9



#38
 Carbon Tetrachloride
 Concen: 18.64 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 117 Resp: 185099
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.8 115.2
 121 31.4 24.6 36.8

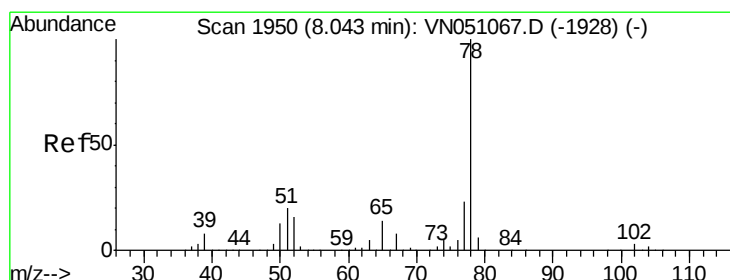
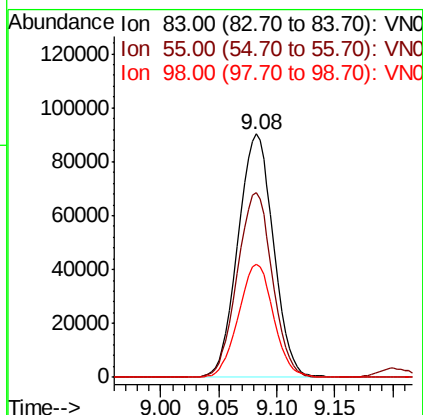
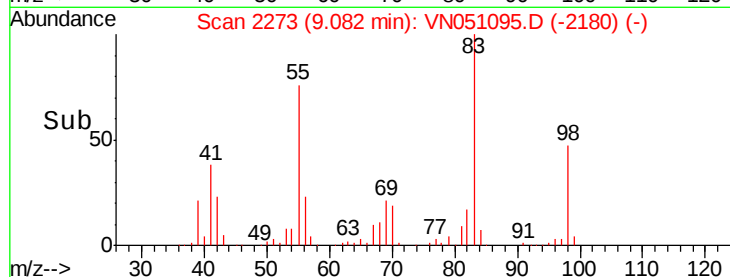
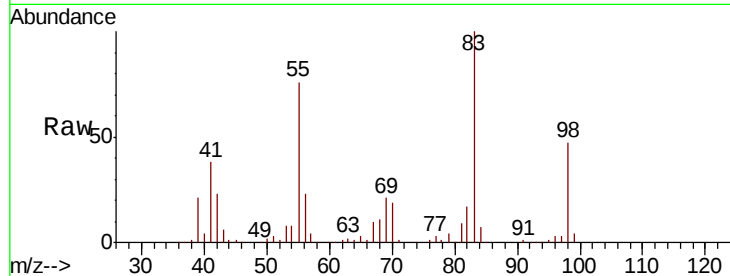




#39
Methvlcvclohexane
Concen: 17.24 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

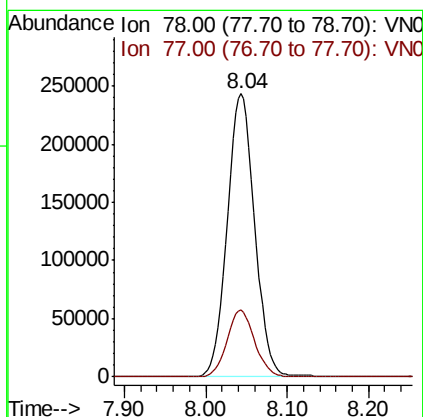
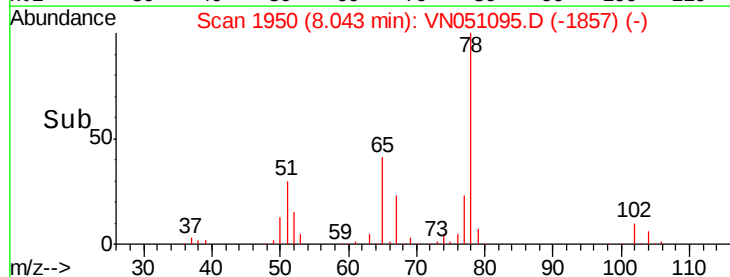
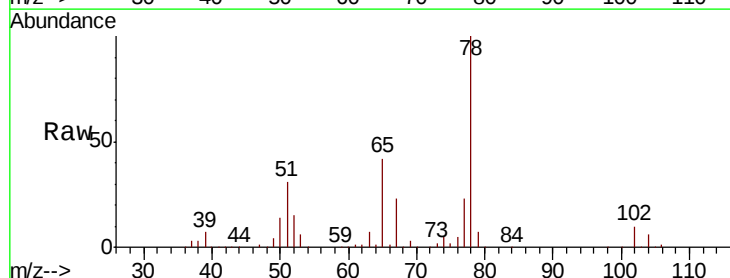
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

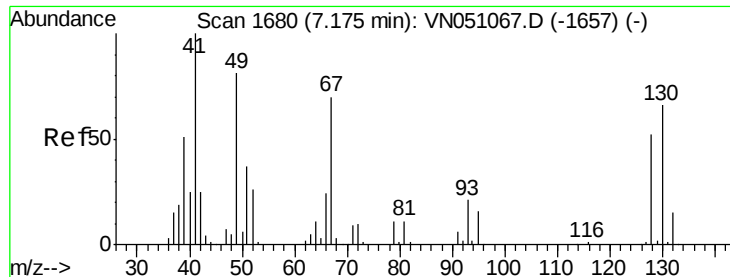
Tot Ion: 83 Resp: 191945
Ion Ratio Lower Upper
83 100
55 76.0 58.4 87.6
98 46.5 37.3 55.9



#40
Benzene
Concen: 18.94 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion: 78 Resp: 575711
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 53.44 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 41 Resp: 161093

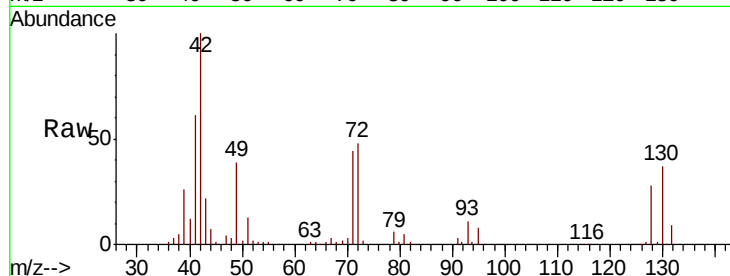
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.5 117.7#

52 0.0 29.0 43.6#

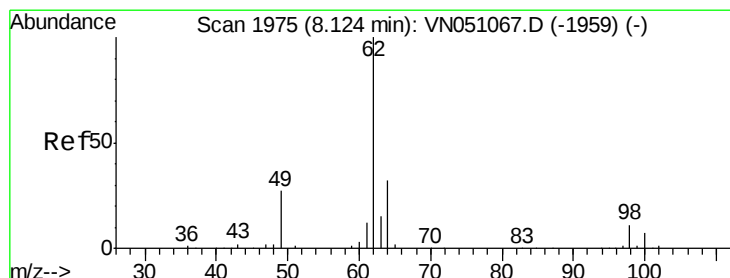
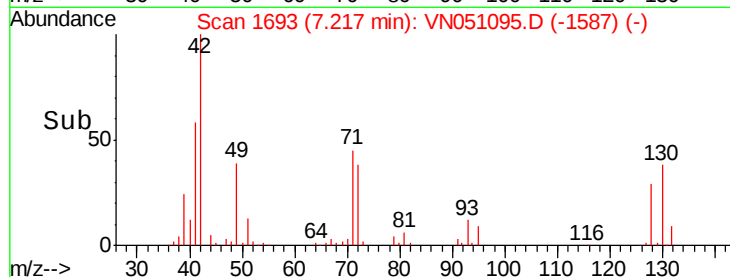
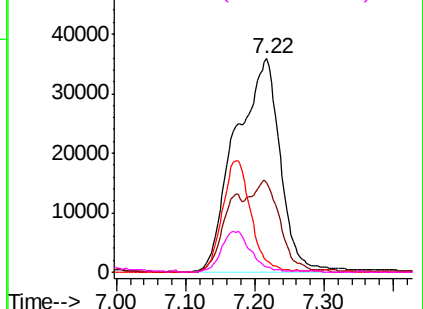


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.18 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051095.D

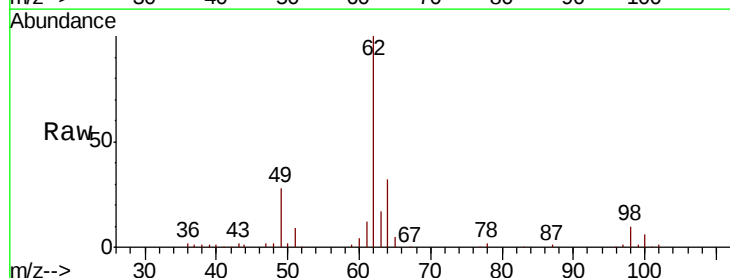
Acq: 10 Sep 2018 23:08

Tgt Ion: 62 Resp: 169967

Ion Ratio Lower Upper

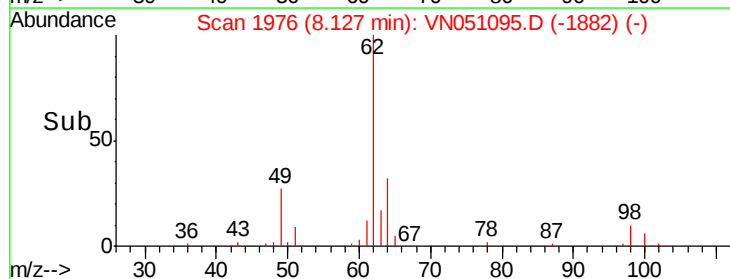
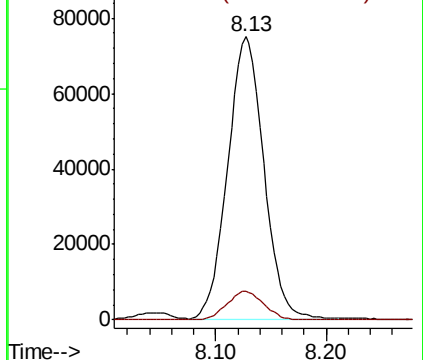
62 100

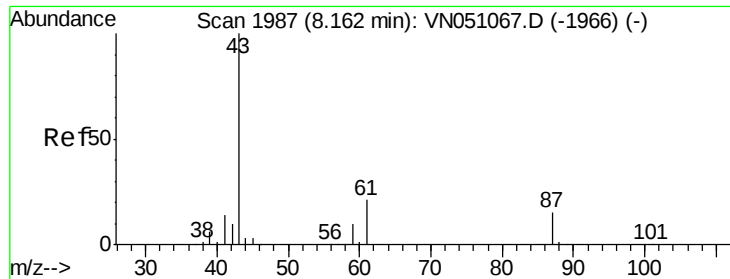
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.11 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

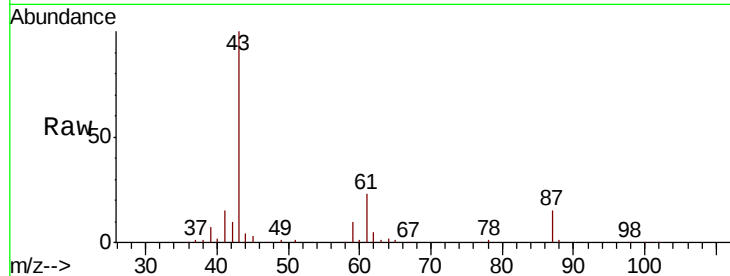
Tot Ion: 43 Resp: 196996

Ion Ratio Lower Upper

43 100

61 23.5 25.0 37.6#

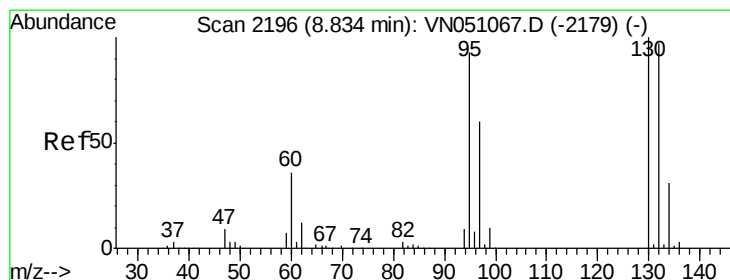
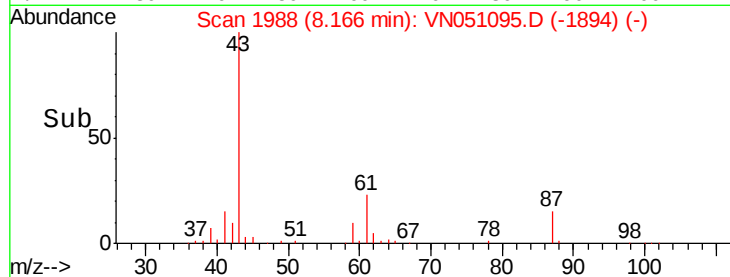
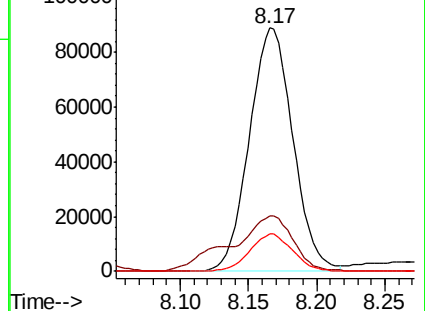
87 15.1 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 18.05 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051095.D

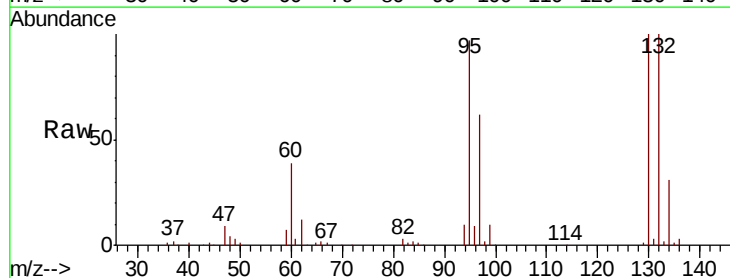
Acq: 10 Sep 2018 23:08

Tgt Ion:130 Resp: 150123

Ion Ratio Lower Upper

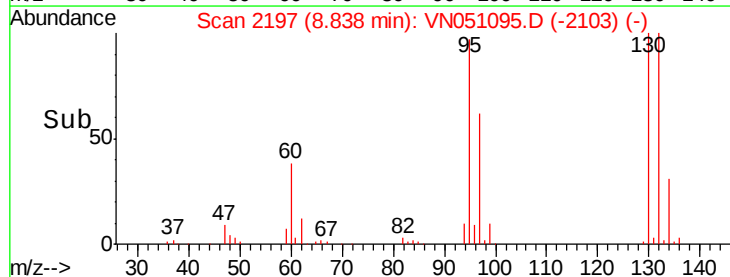
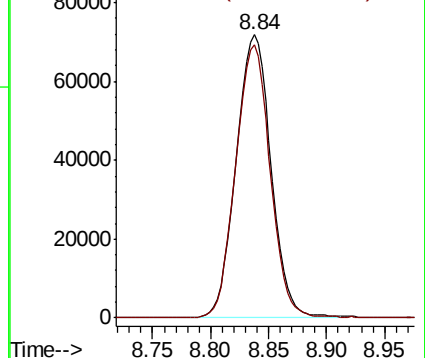
130 100

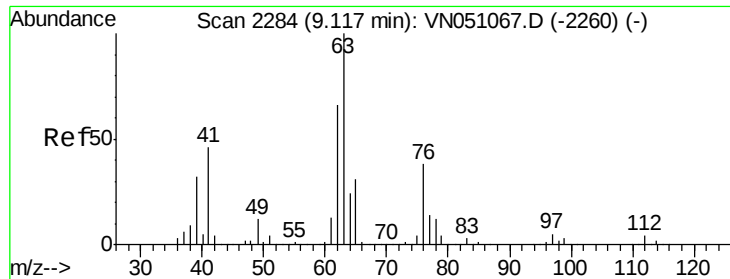
95 96.7 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 18.94 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

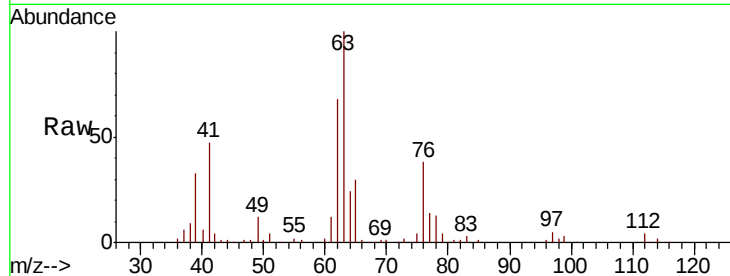
VN0910WBSD02

Tot Ion: 63 Resp: 148774

Ion Ratio Lower Upper

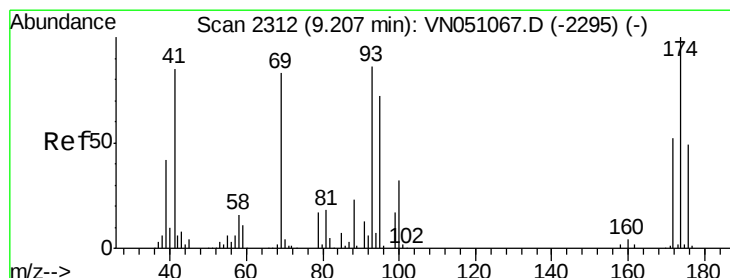
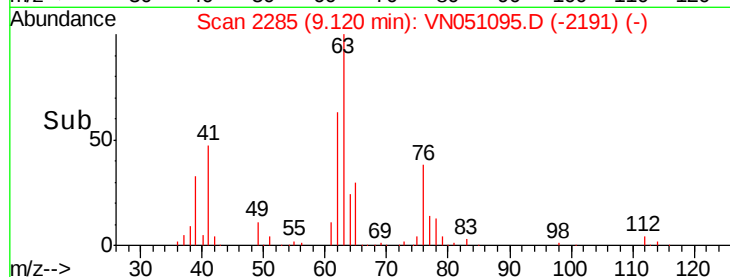
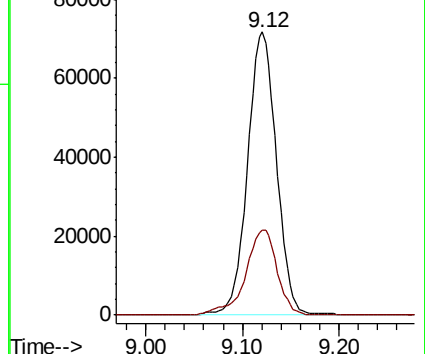
63 100

65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.53 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

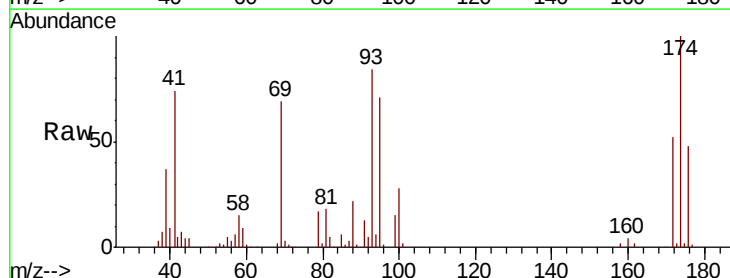
Tgt Ion: 93 Resp: 88830

Ion Ratio Lower Upper

93 100

95 84.5 66.8 100.2

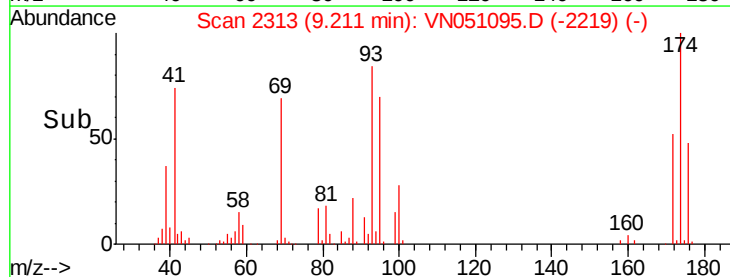
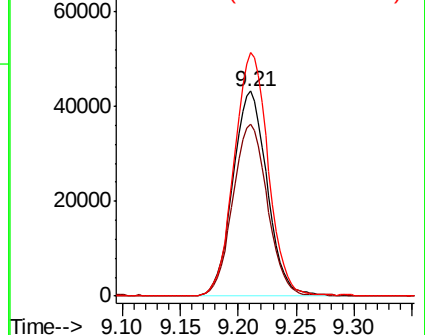
174 117.7 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.01 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

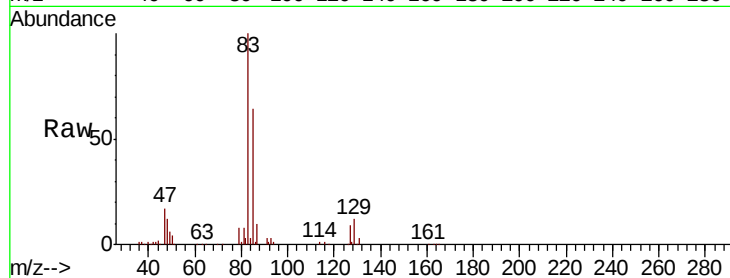
Tot Ion: 83 Resp: 185211

Ion Ratio Lower Upper

83 100

85 64.4 52.3 78.5

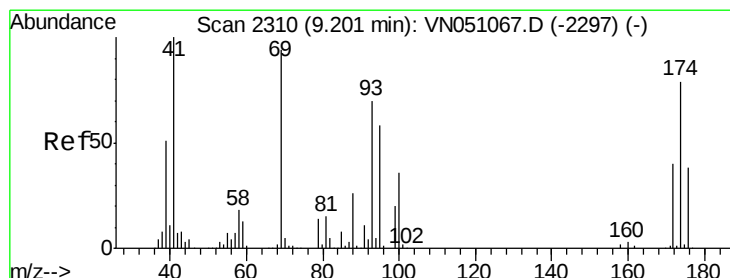
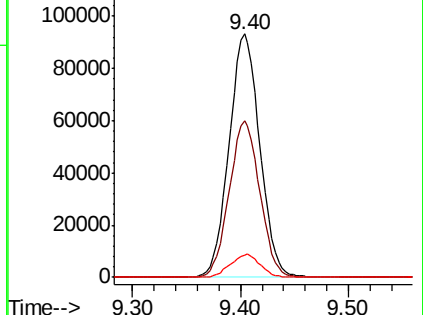
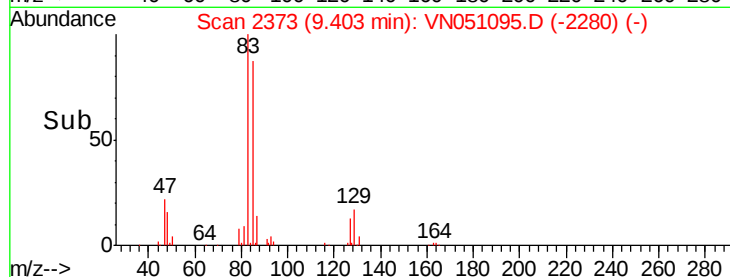
127 9.3 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.65 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

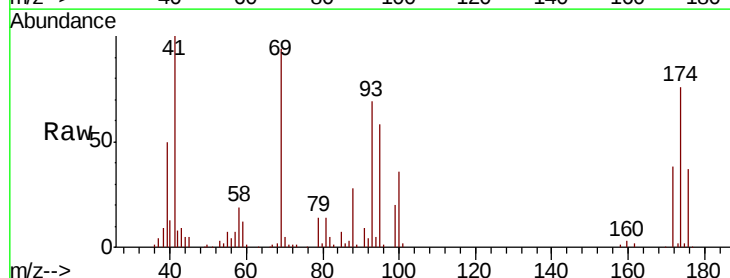
Tgt Ion: 41 Resp: 93678

Ion Ratio Lower Upper

41 100

69 98.4 77.7 116.5

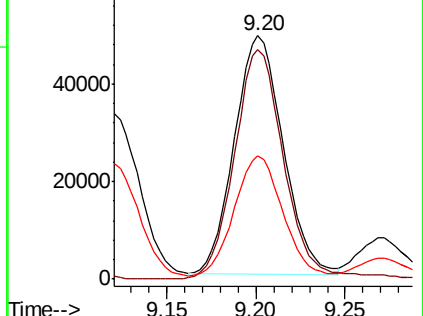
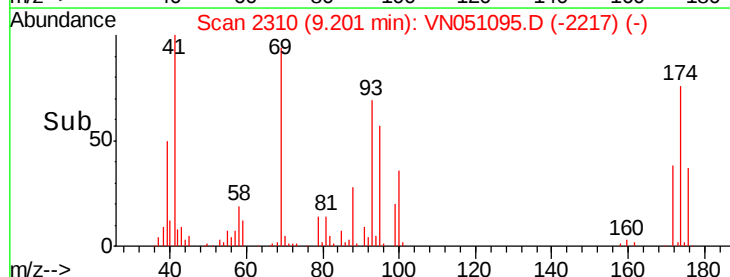
39 51.6 41.6 62.4

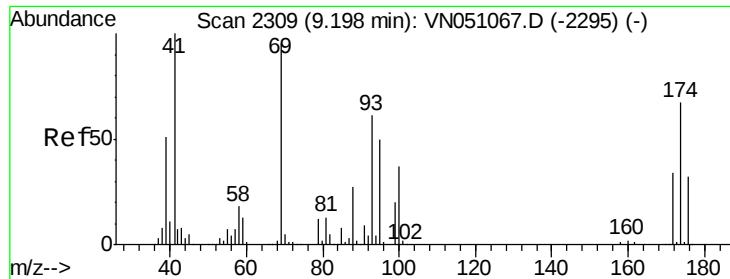


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 373.54 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

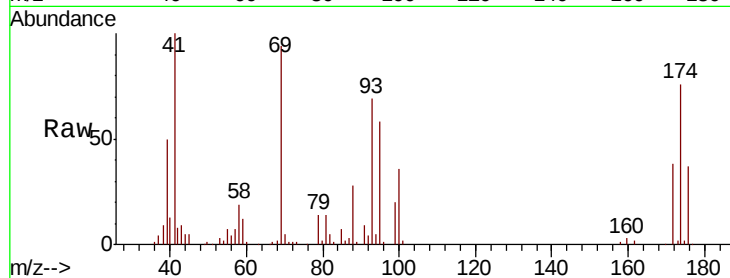
MSVOA_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 88 Resp: 29429

Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.7	35.5
58	69.5	54.6	82.0

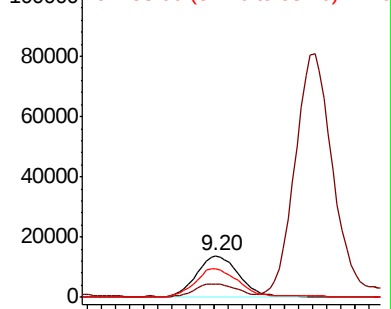


Abundance

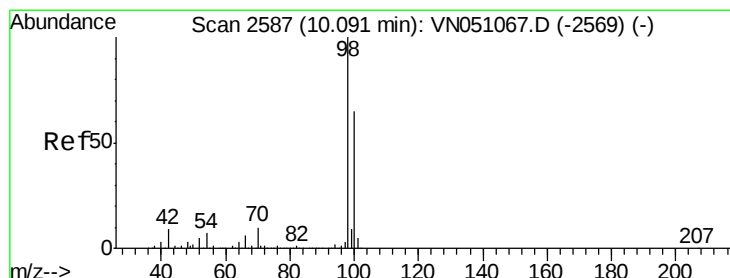
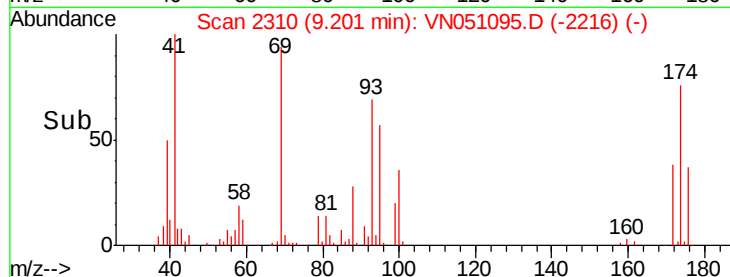
Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 51.51 ug/l

RT: 10.09 min Scan# 2587

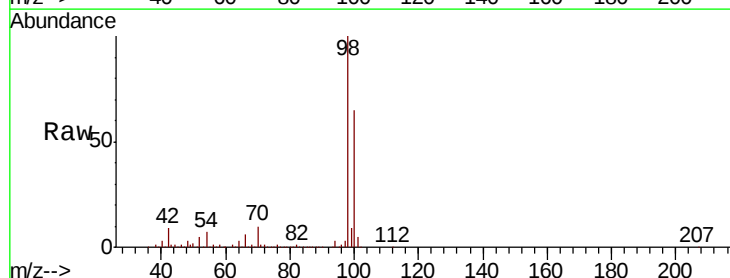
Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Tgt Ion: 98 Resp: 1349641

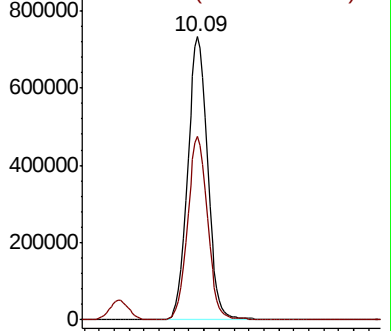
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



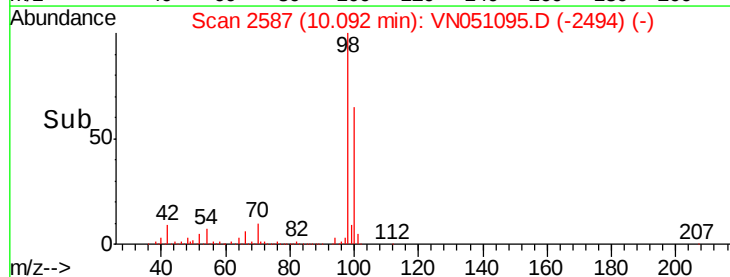
Abundance

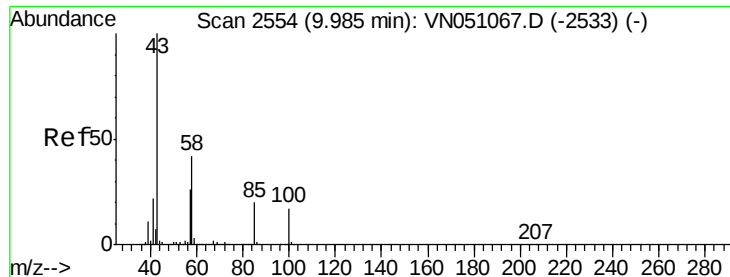
Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 98.73 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

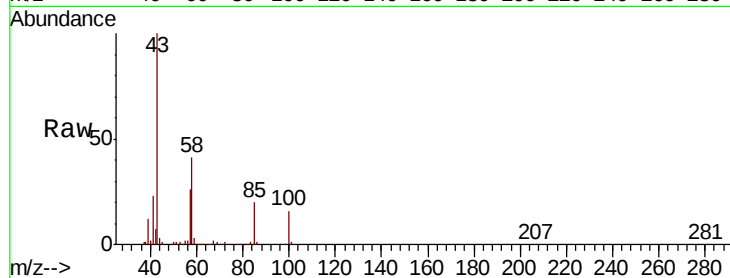
VN0910WBSD02

Tot Ion: 43 Resp: 562894

Ion Ratio Lower Upper

43 100

58 41.2 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

9.99

300000

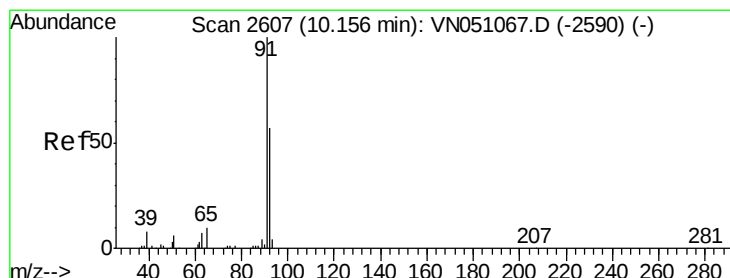
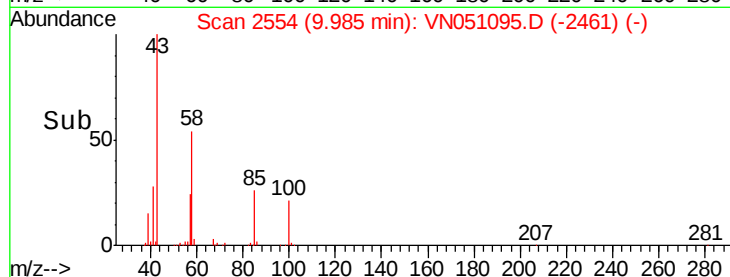
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 19.15 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051095.D

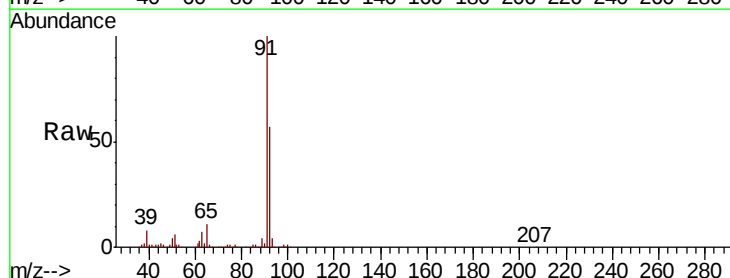
Acq: 10 Sep 2018 23:08

Tgt Ion: 92 Resp: 354904

Ion Ratio Lower Upper

92 100

91 175.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051067.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051067.D (-2590) (-)

10.16

400000

300000

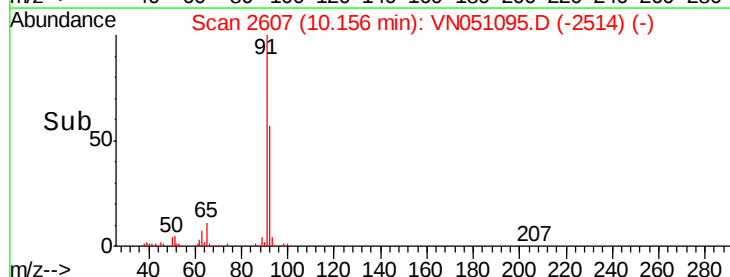
200000

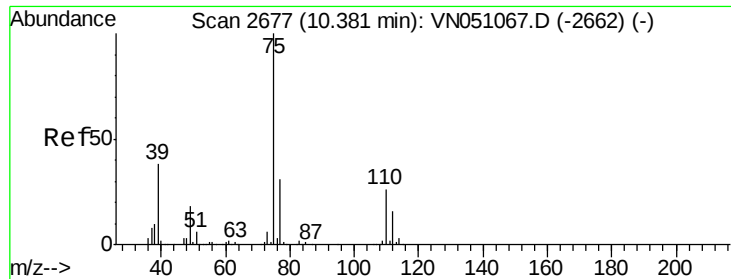
100000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.03 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

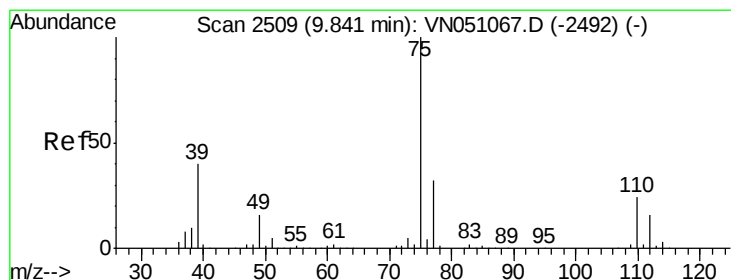
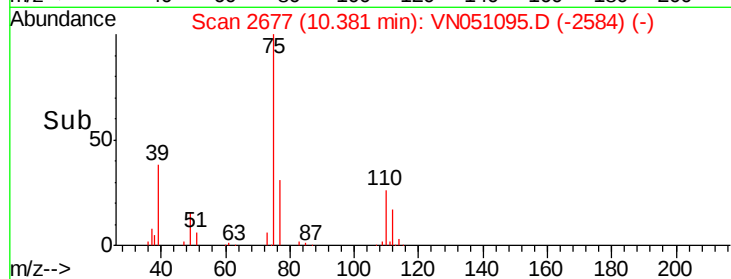
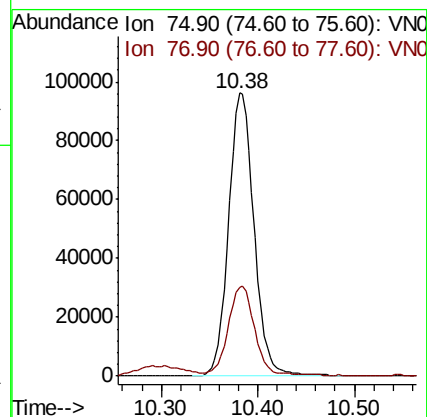
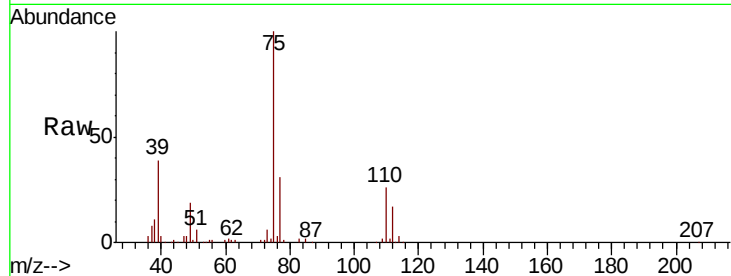
VN0910WBSD02

Tot Ion: 75 Resp: 175817

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.33 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

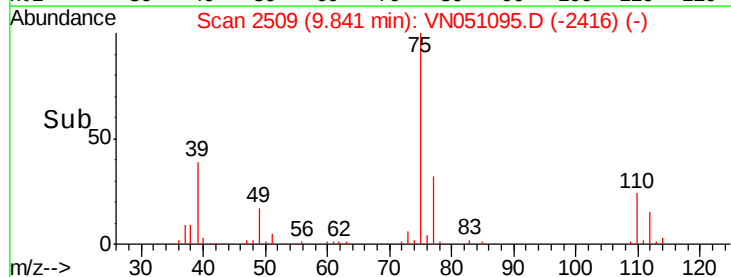
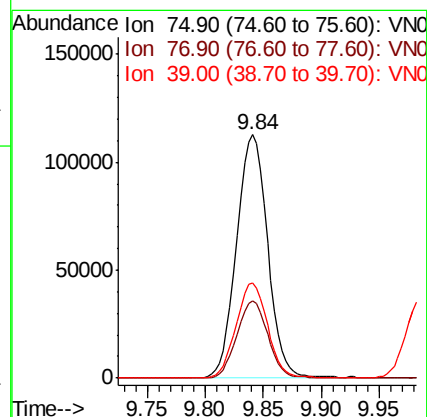
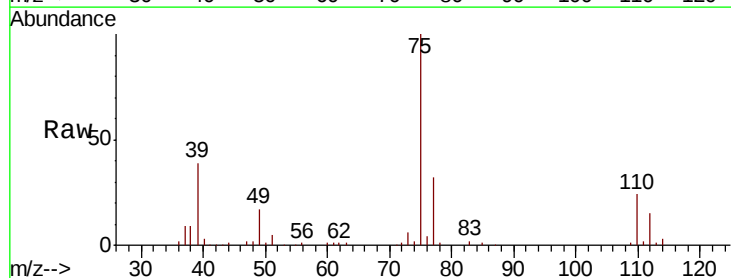
Tgt Ion: 75 Resp: 209583

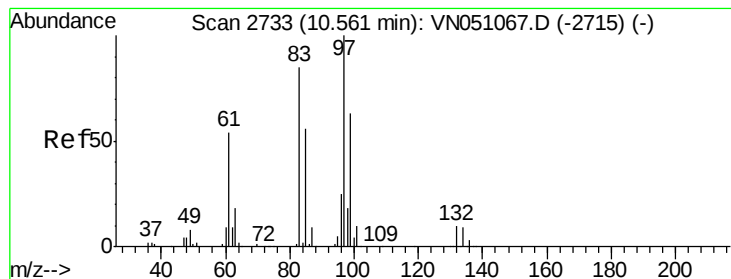
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 39.1 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 19.00 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 97 Resp: 127912

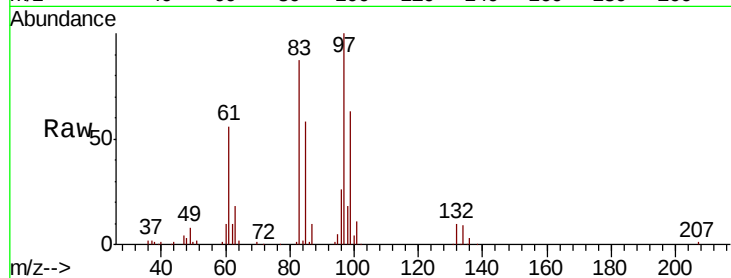
Ion Ratio Lower Upper

97 100

83 86.7 68.2 102.2

85 57.5 44.8 67.2

99 63.5 50.2 75.4



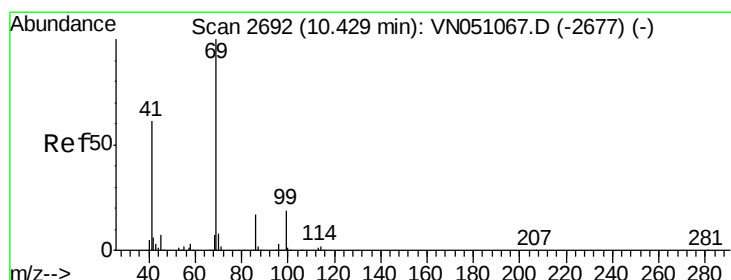
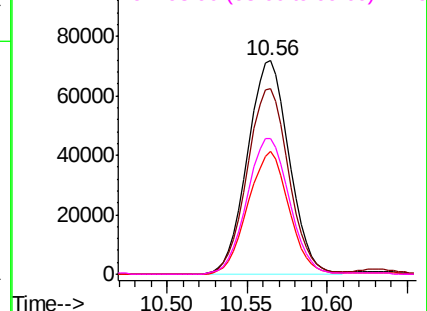
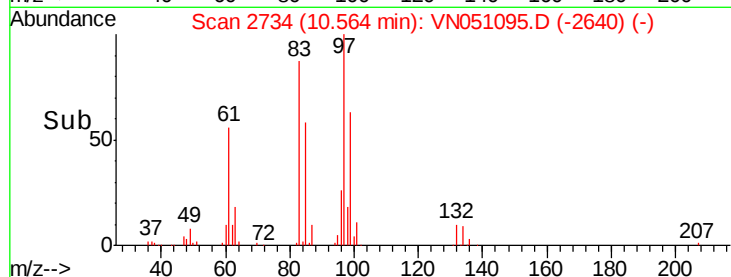
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.59 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

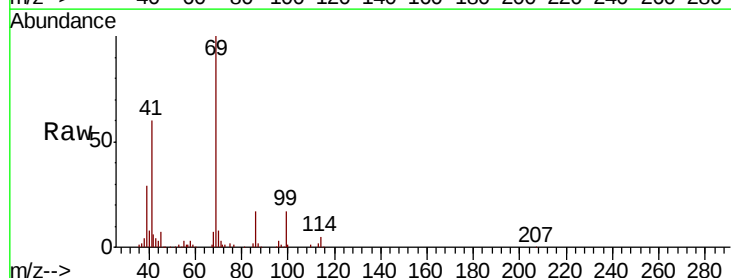
Tgt Ion: 69 Resp: 153365

Ion Ratio Lower Upper

69 100

41 59.8 47.8 71.8

39 27.8 23.0 34.4

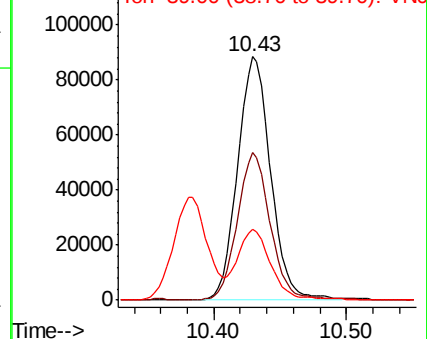
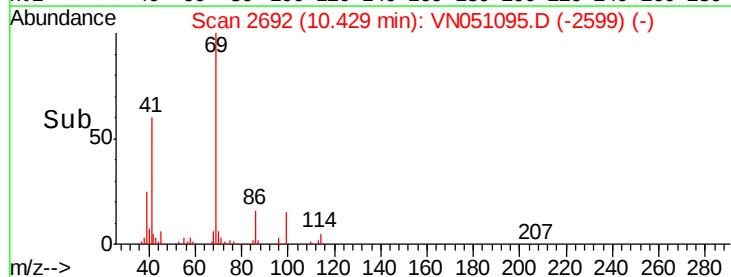


Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.30 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampled :

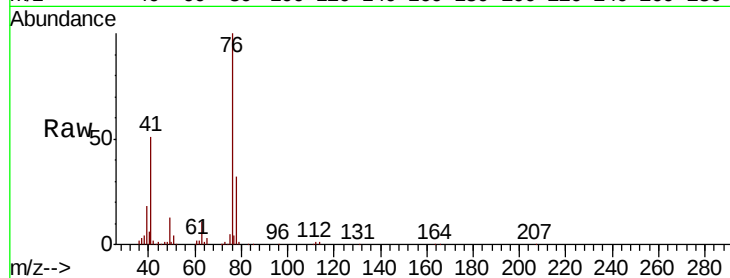
VN0910WBSD02

Tot Ion: 76 Resp: 215432

Ion Ratio Lower Upper

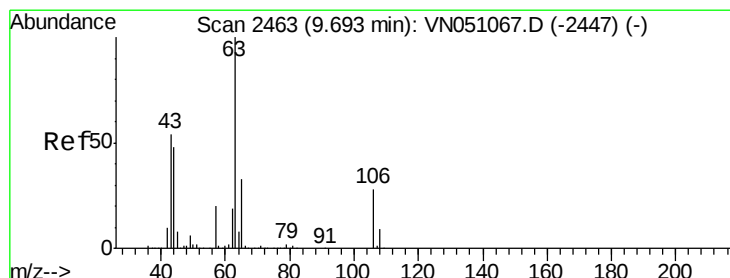
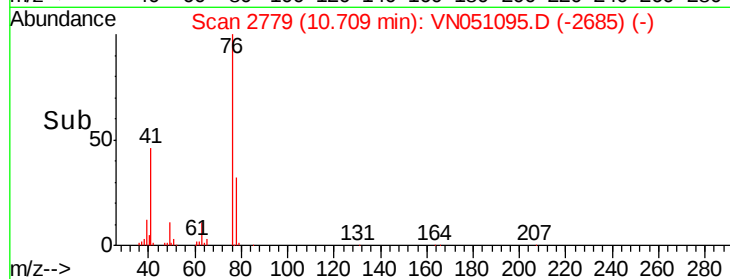
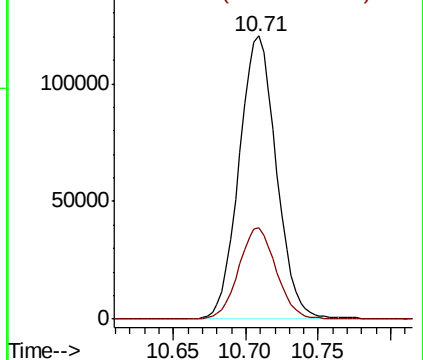
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.59 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051095.D

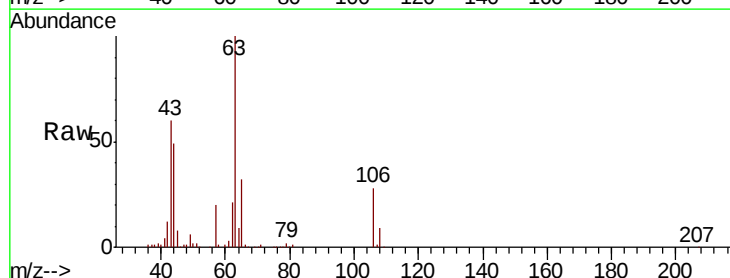
Acq: 10 Sep 2018 23:08

Tgt Ion: 63 Resp: 325096

Ion Ratio Lower Upper

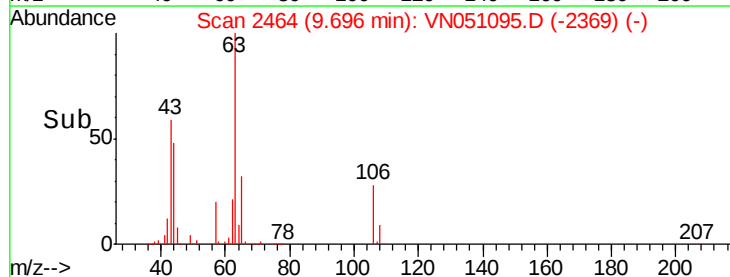
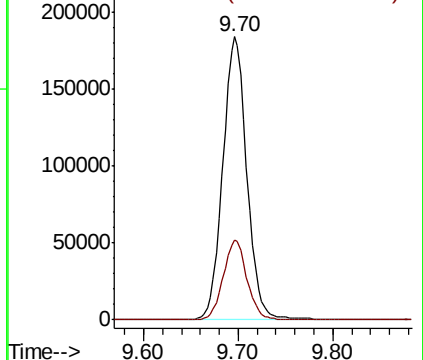
63 100

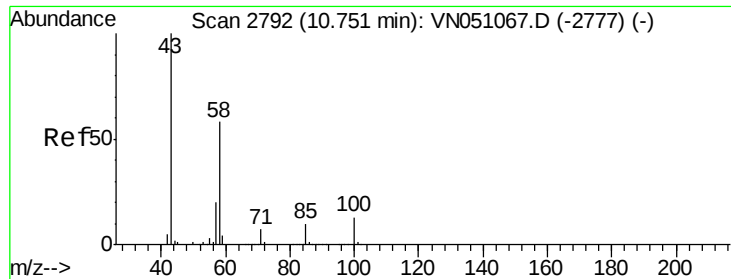
106 27.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

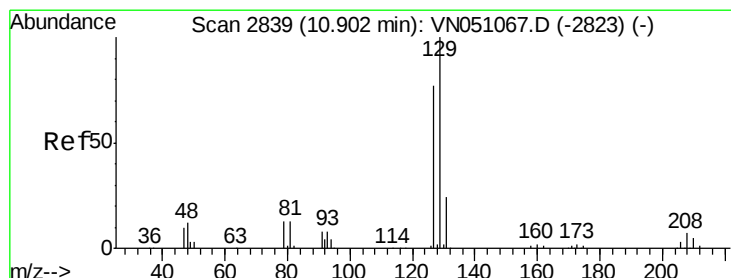
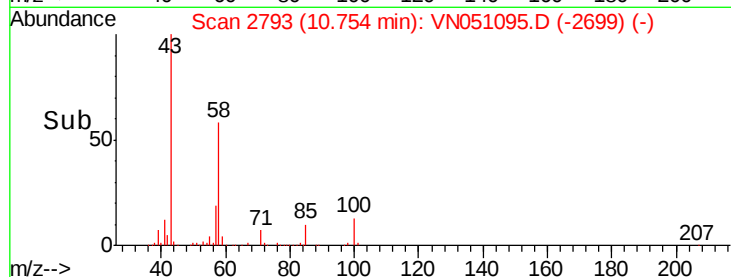
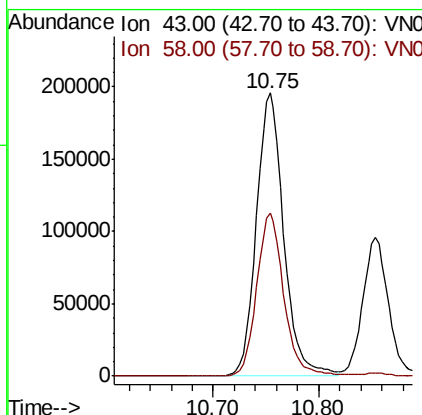
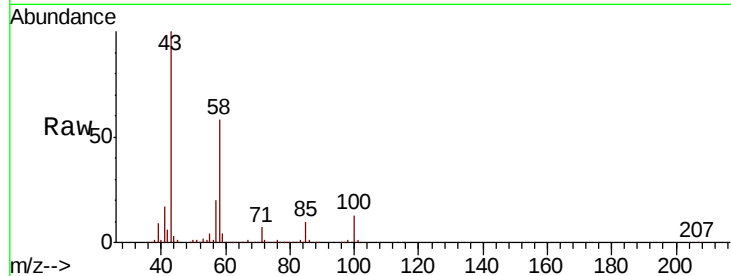




#59
2-Hexanone
Concen: 91.70 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

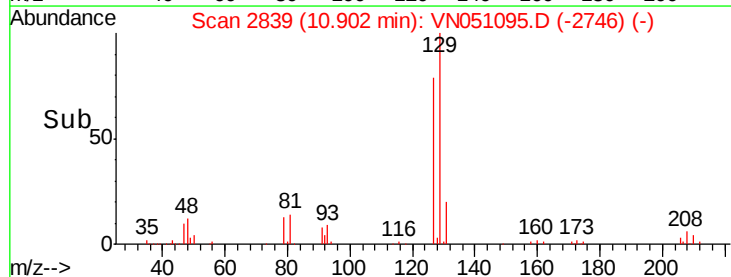
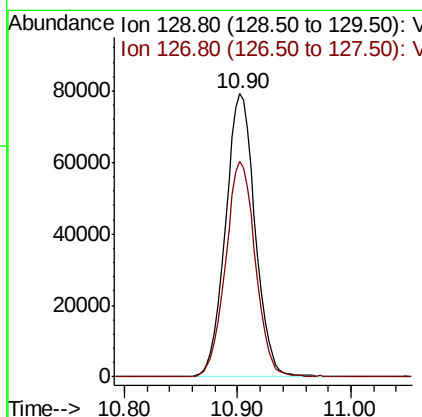
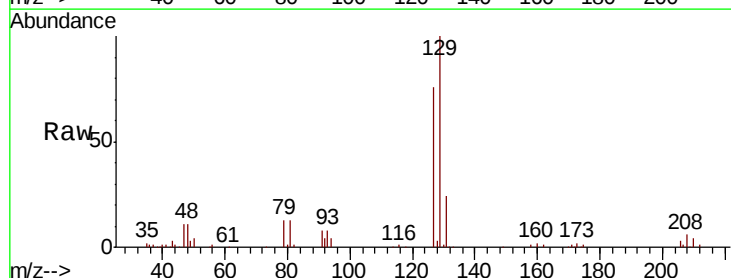
Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD02

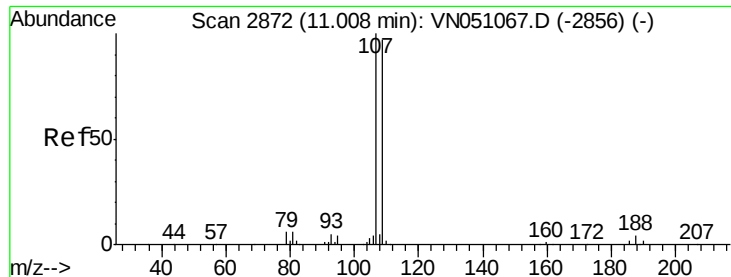
Tot Ion: 43 Resp: 354542
Ion Ratio Lower Upper
43 100
58 57.1 29.3 88.0



#60
Dibromochloromethane
Concen: 18.97 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion: 129 Resp: 143950
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5

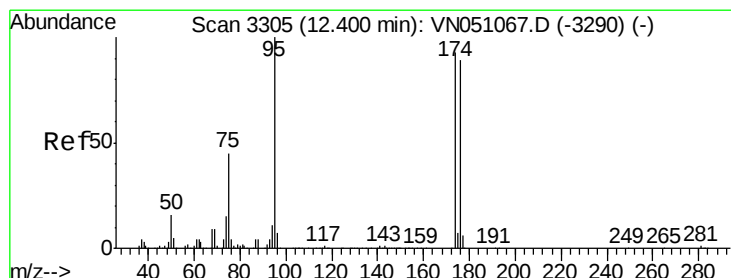
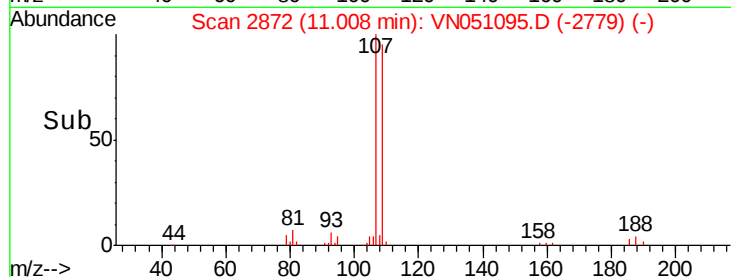
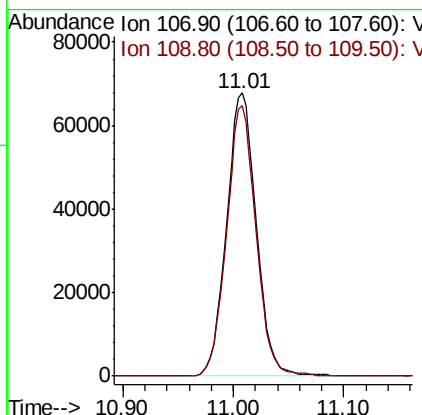
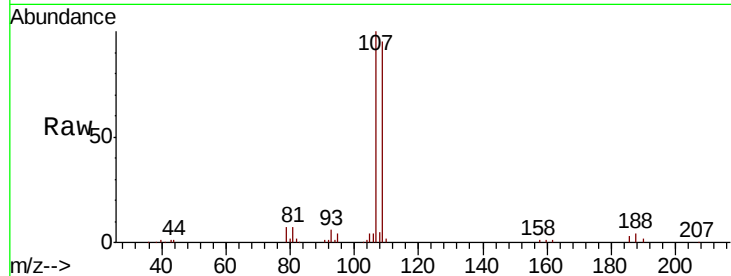




#61
 1,2-Dibromoethane
 Concen: 19.20 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

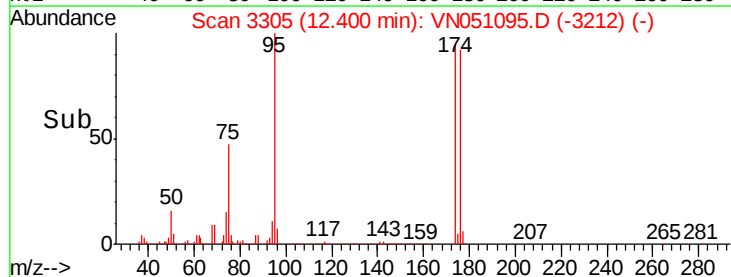
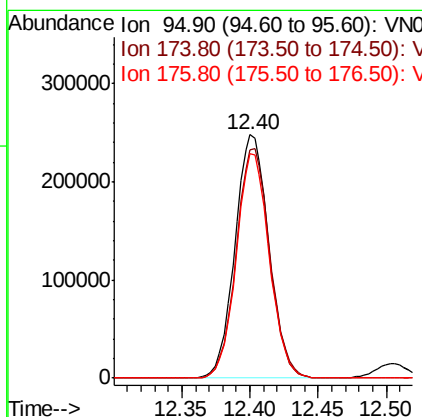
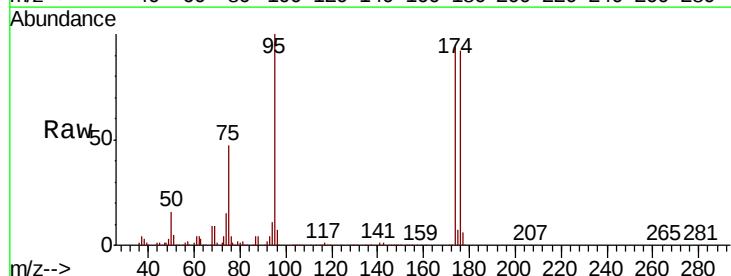
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

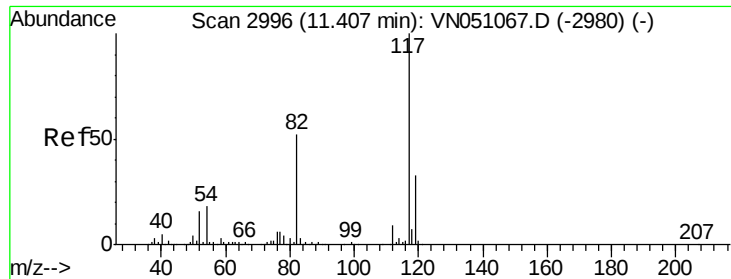
Tot Ion:107 Resp: 126369
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 49.16 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion: 95 Resp: 426101
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 184.8
 176 90.1 0.0 178.6

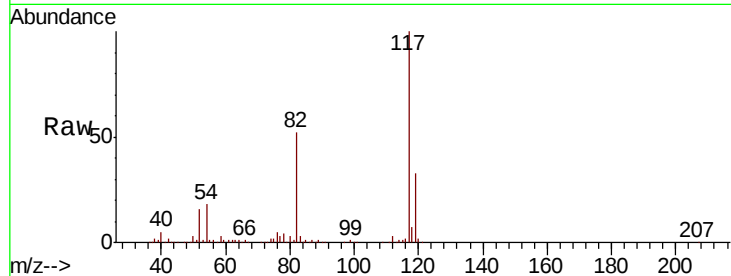




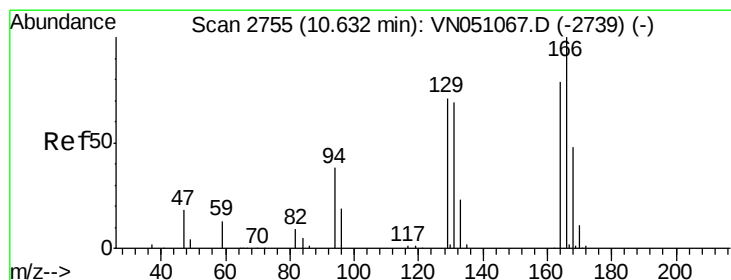
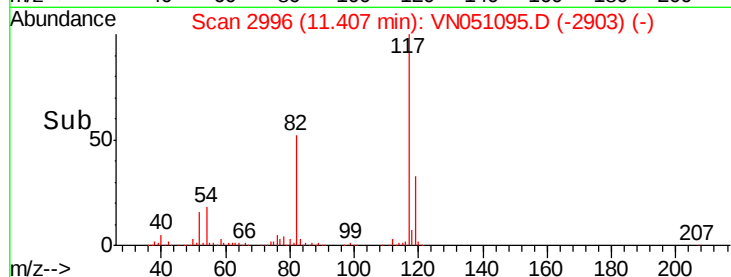
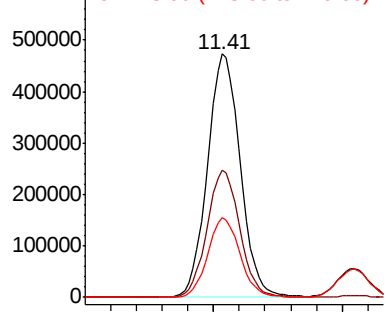
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

Tot Ion:117 Resp: 836704
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.6
119 32.6 26.2 39.2

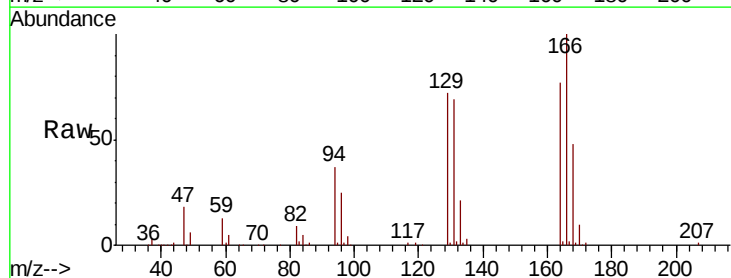


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

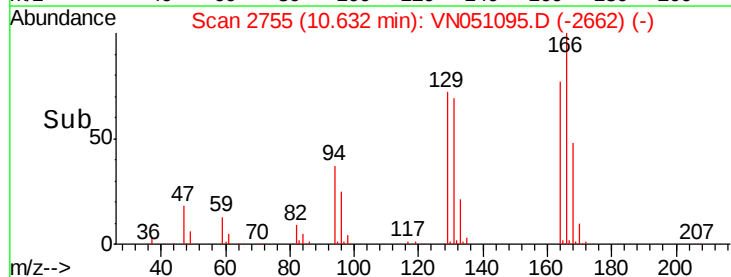
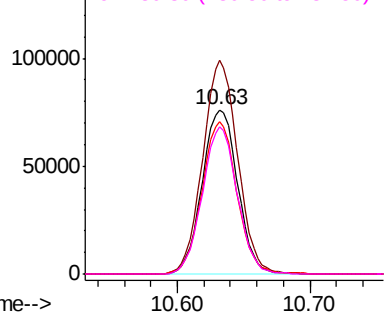


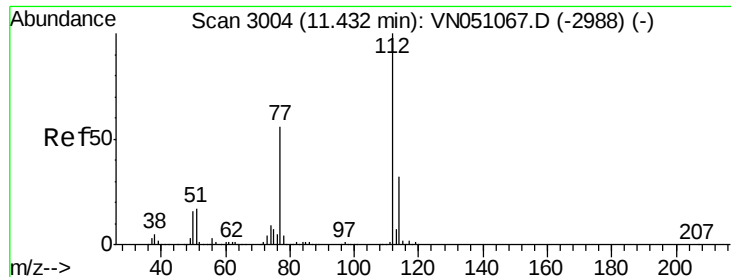
#64
Tetrachloroethene
Concen: 18.53 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion:164 Resp: 141466
Ion Ratio Lower Upper
164 100
166 129.9 101.3 151.9
129 92.9 72.2 108.2
131 89.7 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

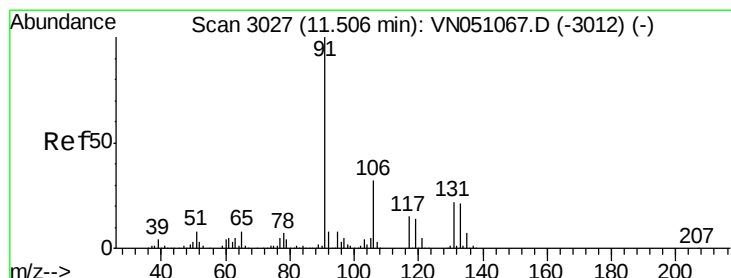
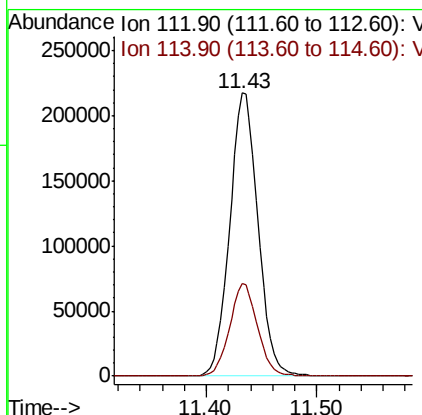
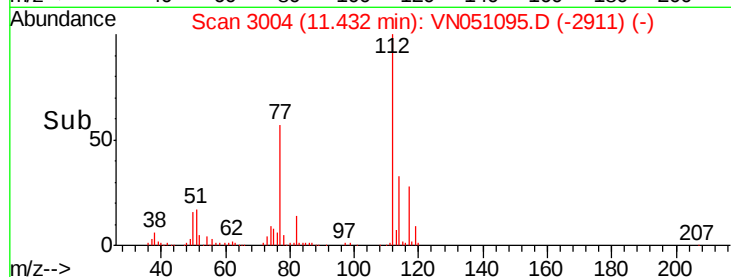
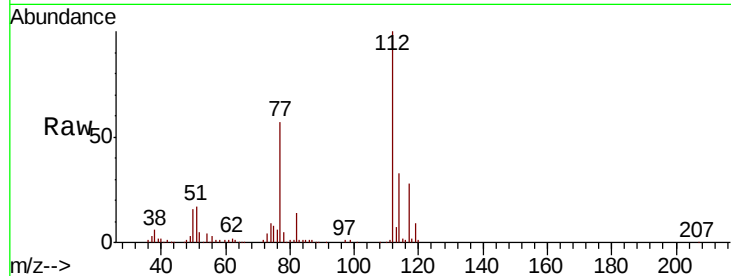




#65
Chlorobenzene
Concen: 18.30 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

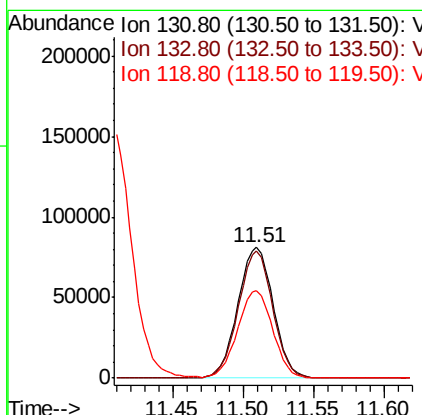
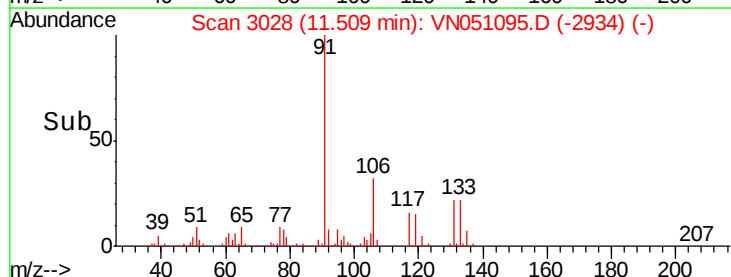
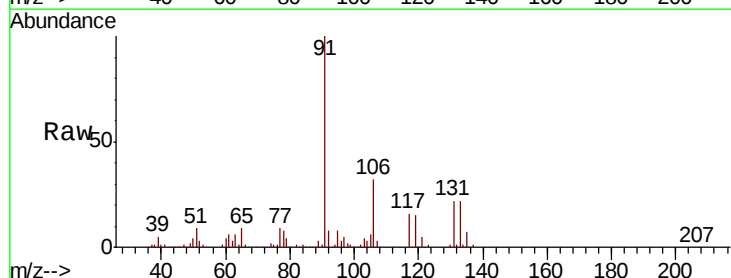
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

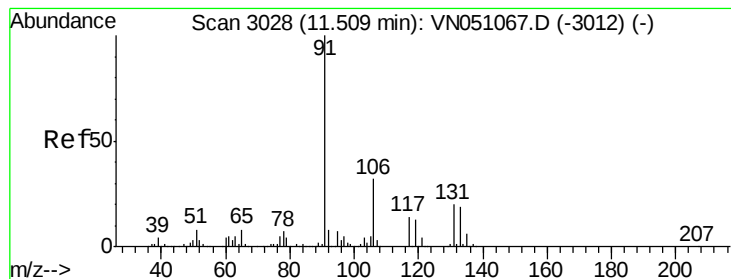
Tot Ion:112 Resp: 385903
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.82 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion:131 Resp: 142917
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.6
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 18.35 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleID :

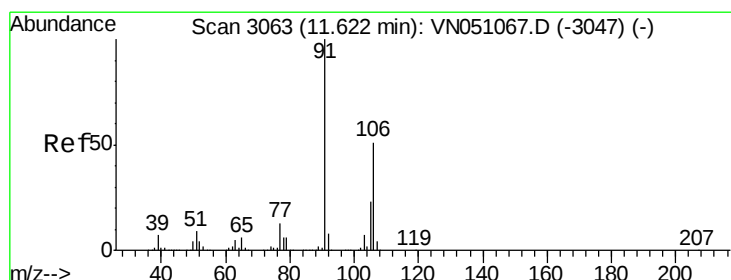
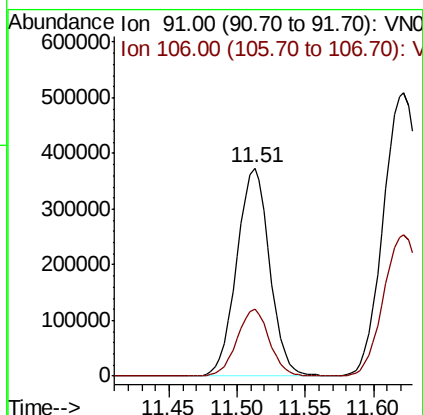
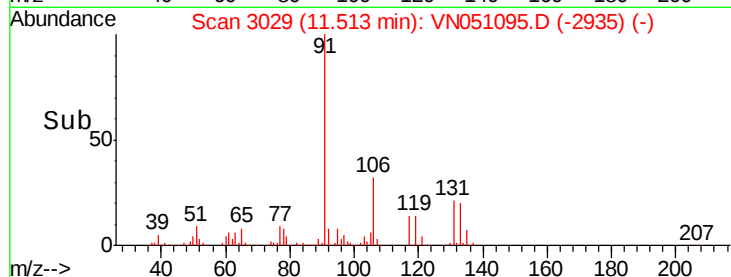
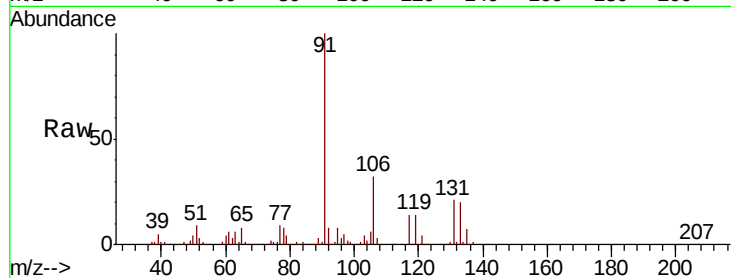
VN0910WBSD02

Tot Ion: 91 Resp: 626640

Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.2



#68

m/p-Xylenes

Concen: 37.78 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051095.D

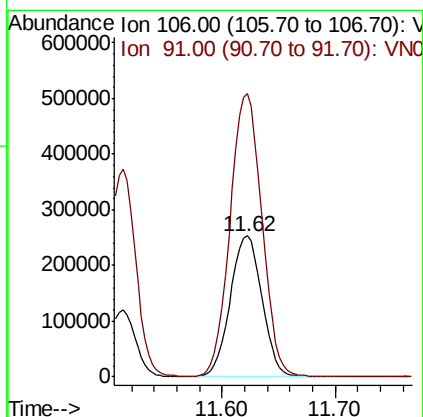
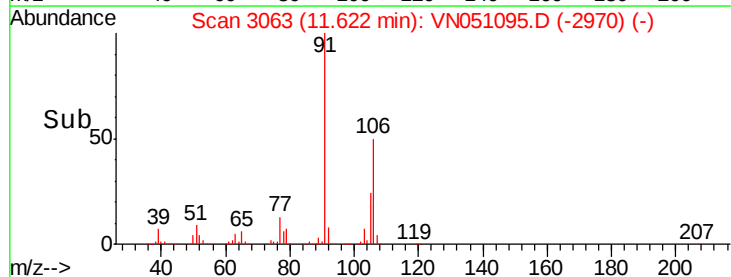
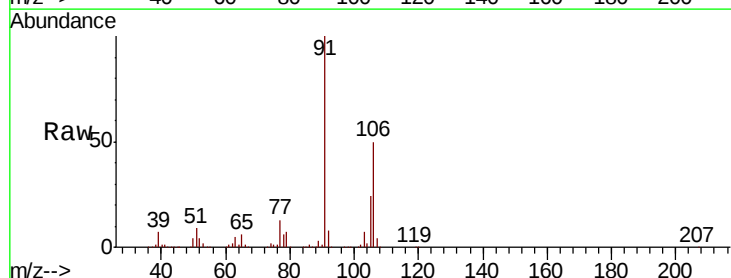
Acq: 10 Sep 2018 23:08

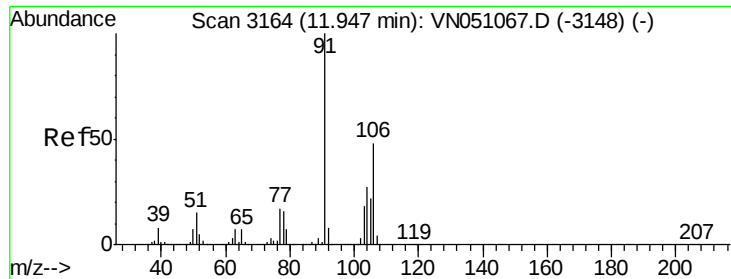
Tgt Ion: 106 Resp: 495784

Ion Ratio Lower Upper

106 100

91 200.9 159.8 239.6

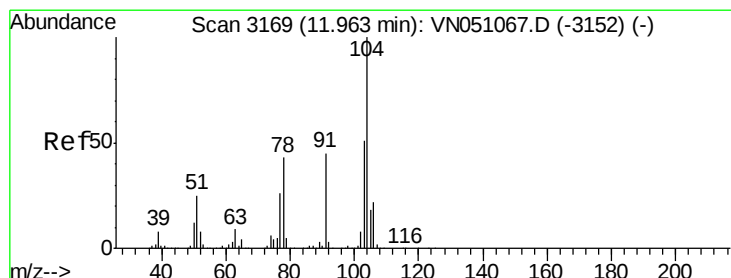
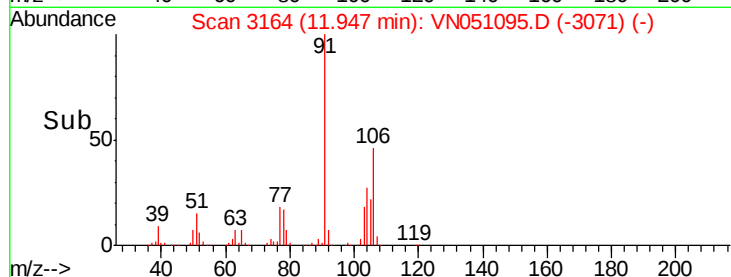
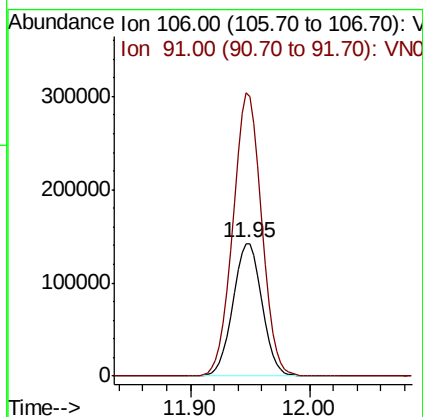
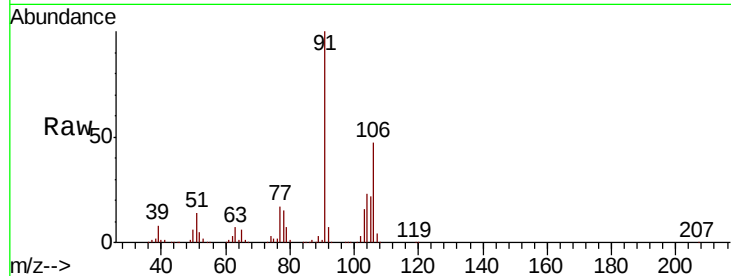




#69
o-Xylene
Concen: 18.96 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

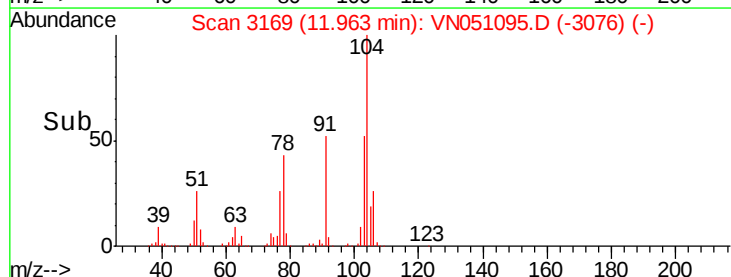
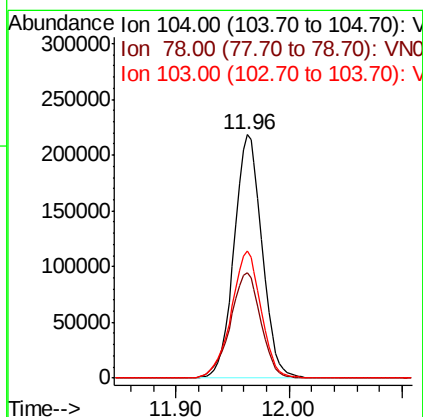
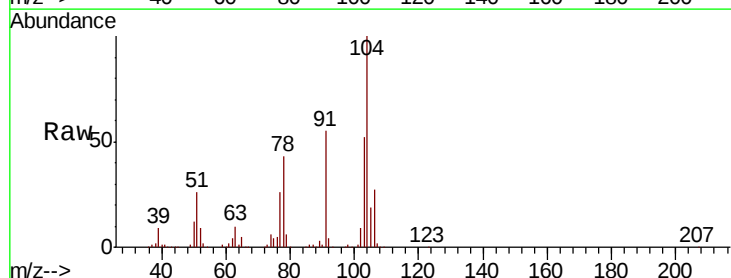
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

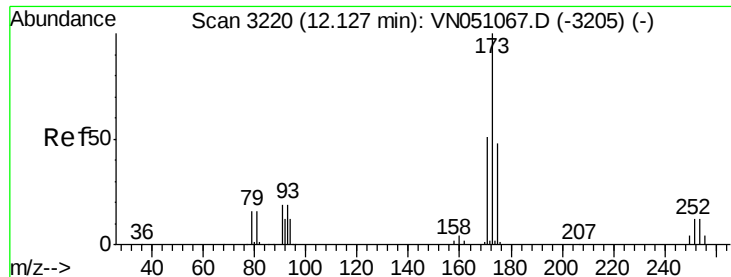
Tot Ion:106 Resp: 240924
Ion Ratio Lower Upper
106 100
91 210.5 105.1 315.1



#70
Styrene
Concen: 19.05 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion:104 Resp: 375570
Ion Ratio Lower Upper
104 100
78 47.4 37.7 56.5
103 55.6 44.6 67.0

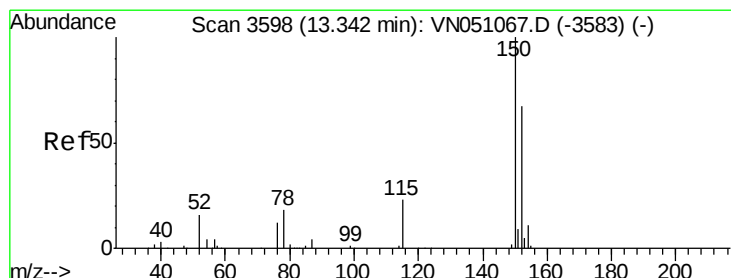
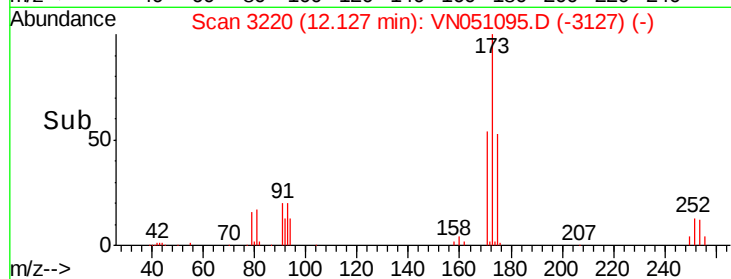
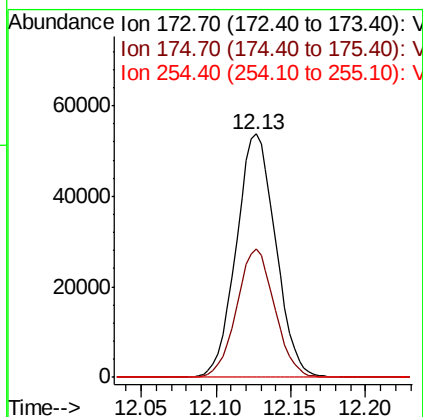
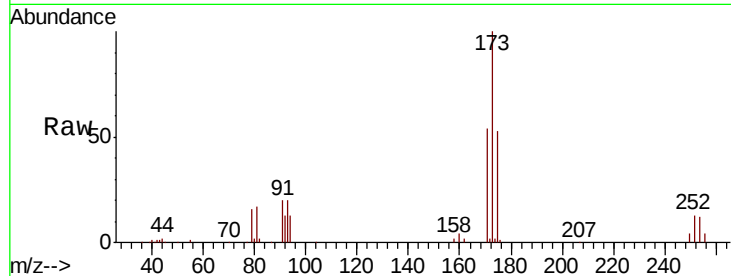




#71
Bromoform
Concen: 18.39 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

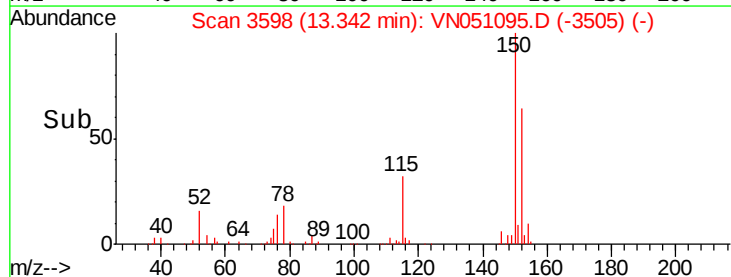
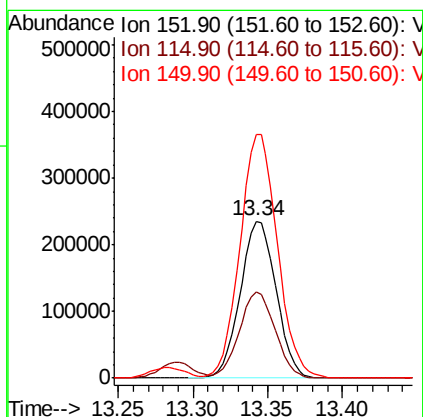
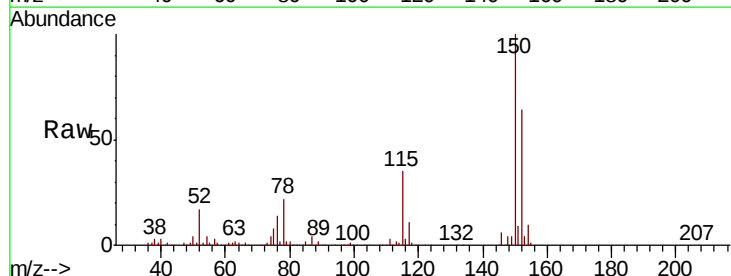
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD02

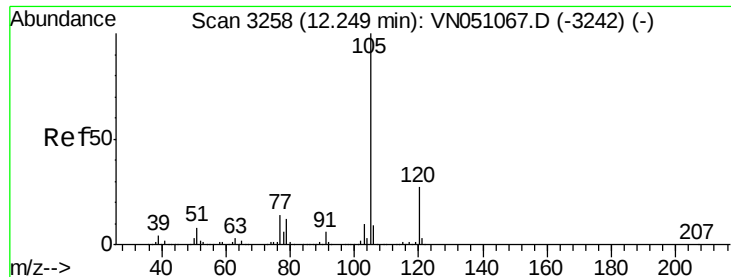
Tot Ion:173 Resp: 98329
Ion Ratio Lower Upper
173 100
175 50.8 24.3 72.9
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051095.D
Acq: 10 Sep 2018 23:08

Tgt Ion:152 Resp: 392268
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 162.2 0.0 349.0





#73

Isopropylbenzene

Concen: 19.01 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

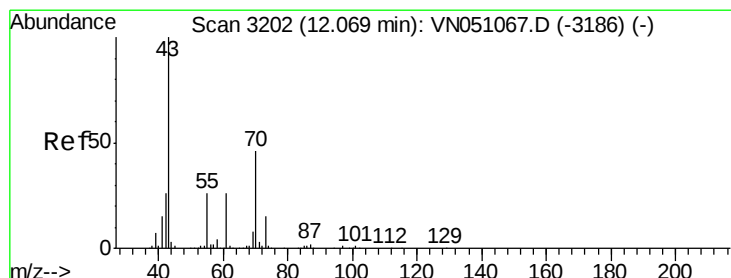
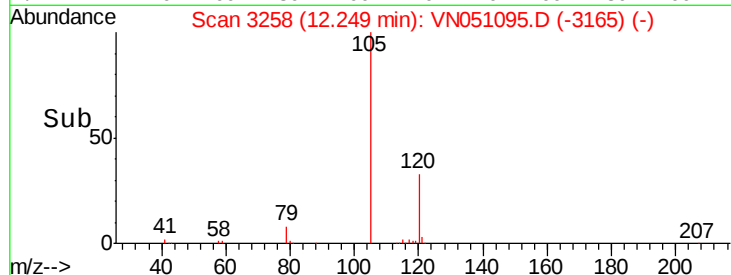
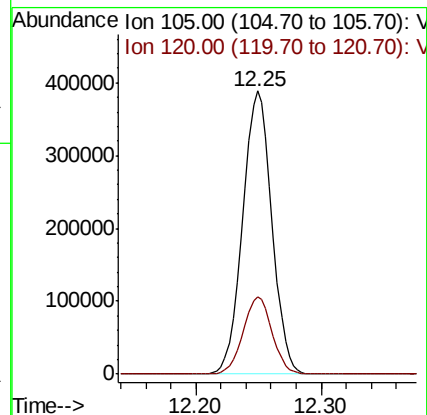
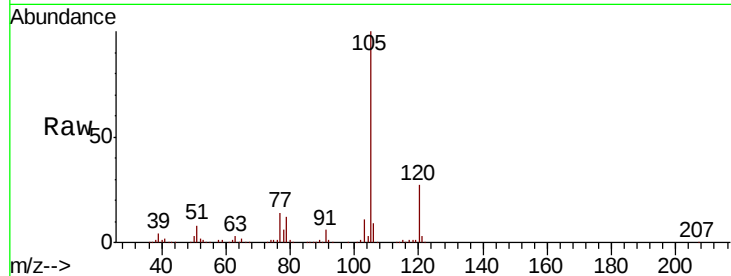
VN0910WBSD02

Tot Ion:105 Resp: 625453

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 18.16 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Tgt Ion: 43 Resp: 150350

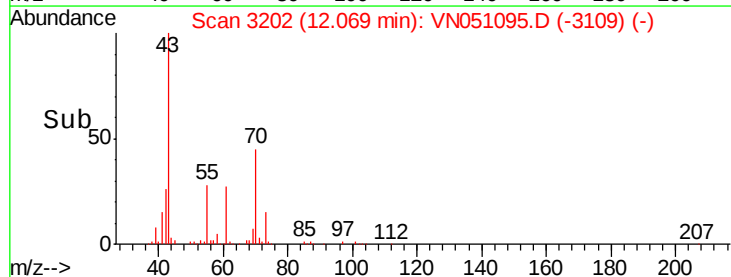
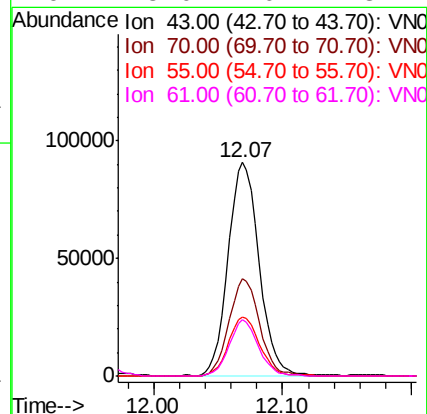
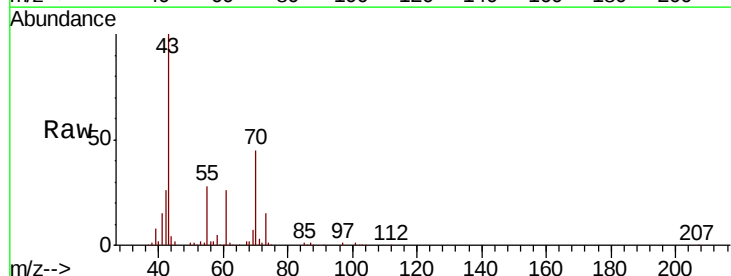
Ion Ratio Lower Upper

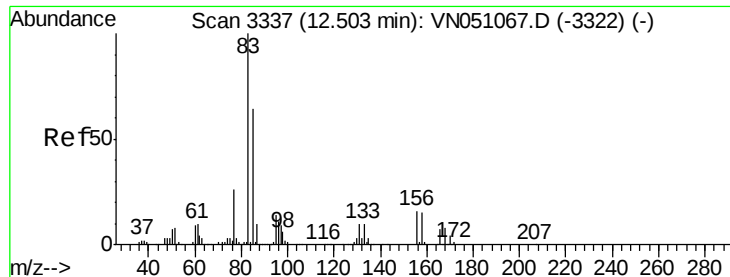
43 100

70 45.5 37.0 55.4

55 28.0 21.3 31.9

61 25.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.21 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampled :

VN0910WBSD02

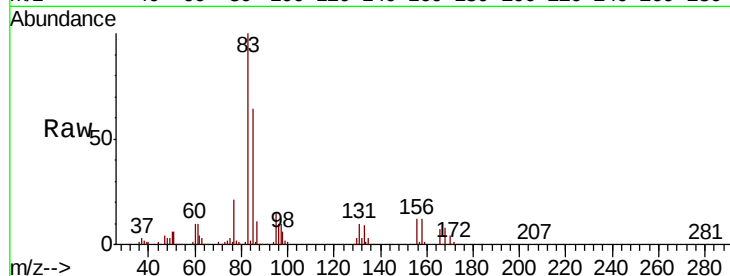
Tot Ion: 83 Resp: 166967

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

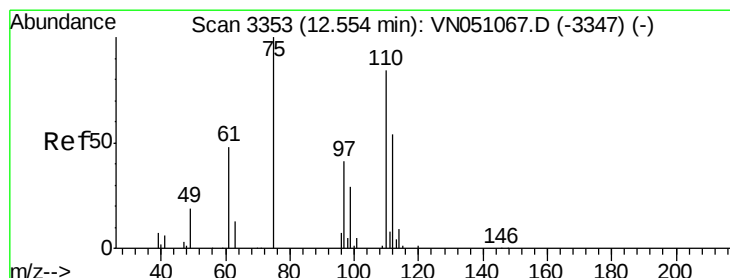
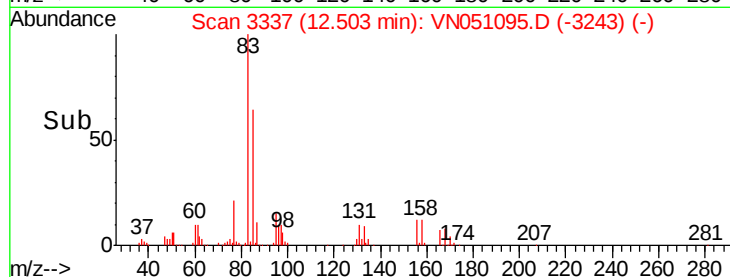
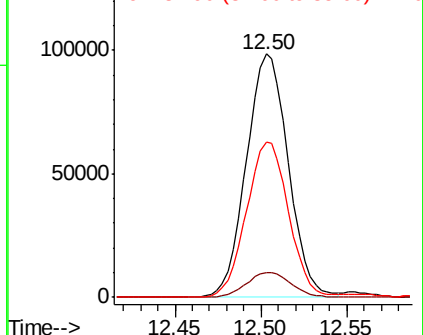
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.50 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051095.D

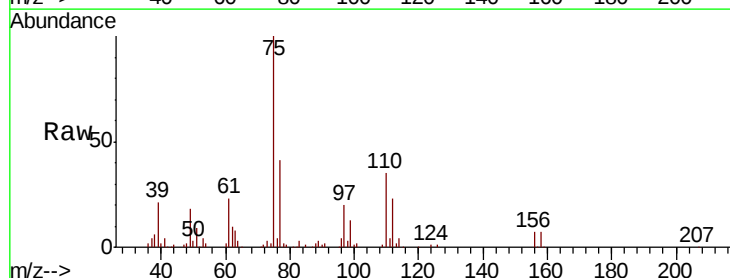
Acq: 10 Sep 2018 23:08

Tgt Ion: 75 Resp: 183136

Ion Ratio Lower Upper

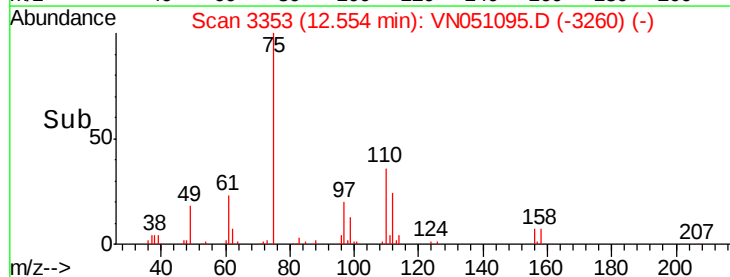
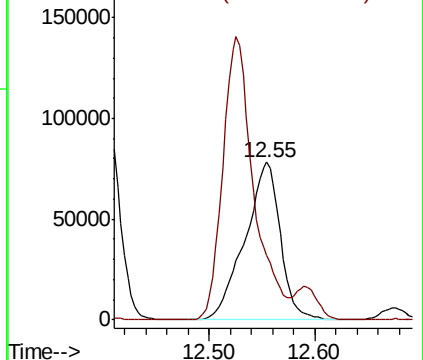
75 100

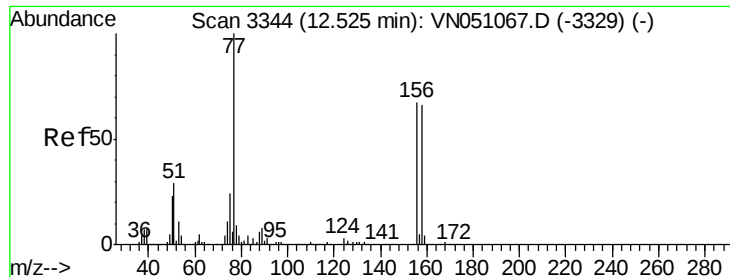
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.57 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

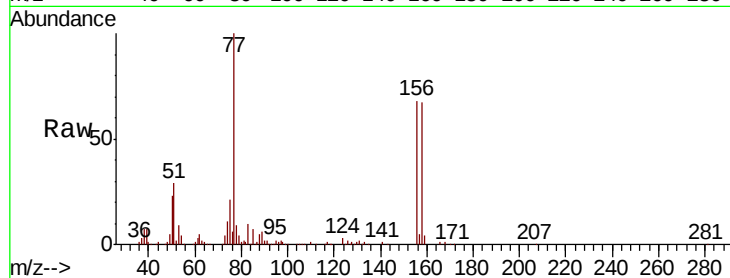
Tot Ion:156 Resp: 164049

Ion Ratio Lower Upper

156 100

77 174.5 87.5 262.6

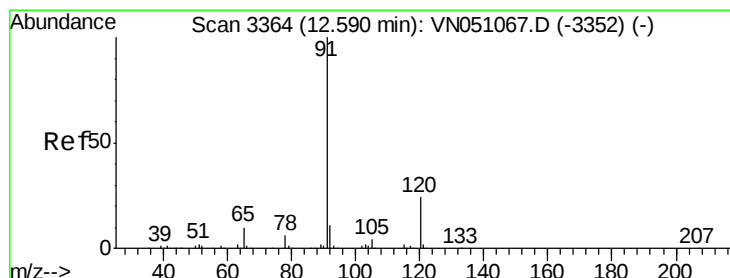
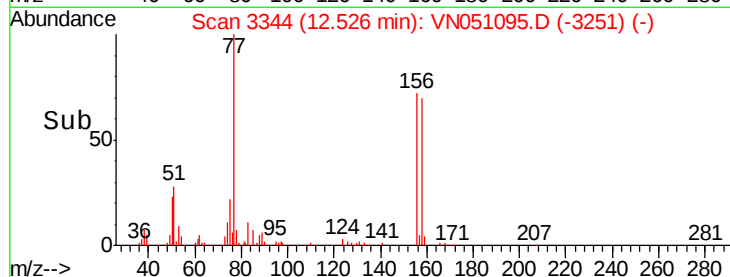
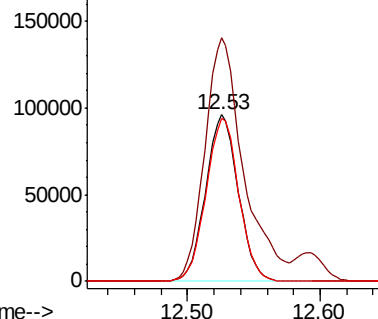
158 98.1 49.0 147.2



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: 18.88 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051095.D

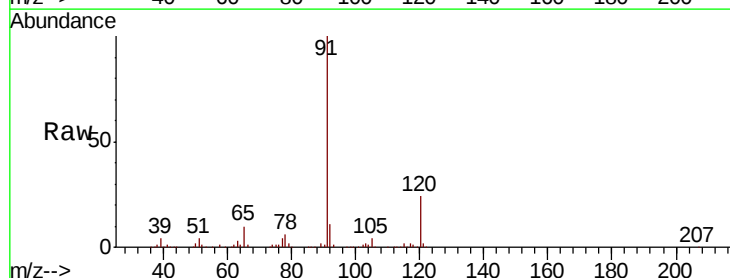
Acq: 10 Sep 2018 23:08

Tgt Ion: 91 Resp: 682789

Ion Ratio Lower Upper

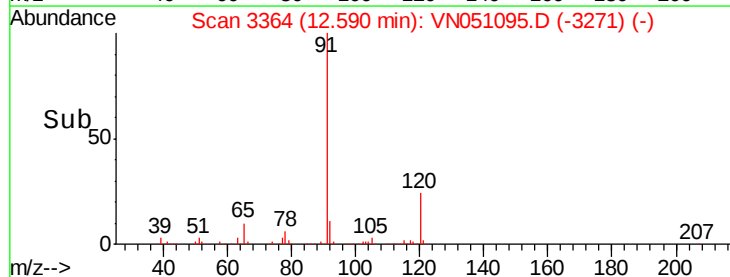
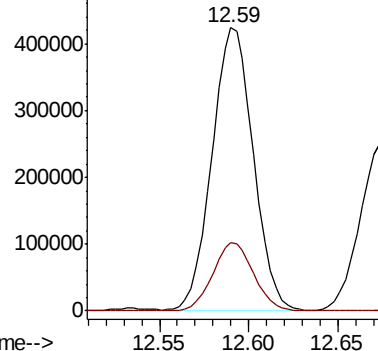
91 100

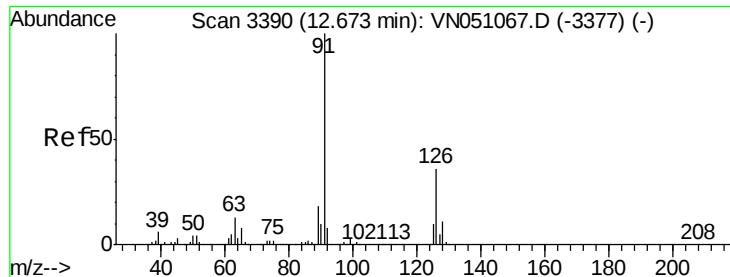
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.63 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

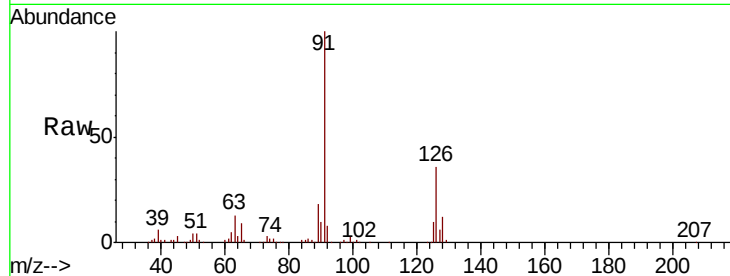
VN0910WBSD02

Tot Ion: 91 Resp: 421115

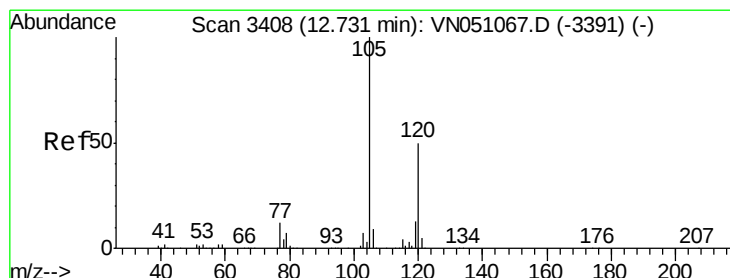
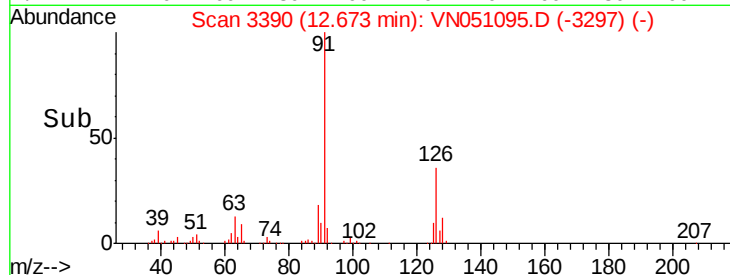
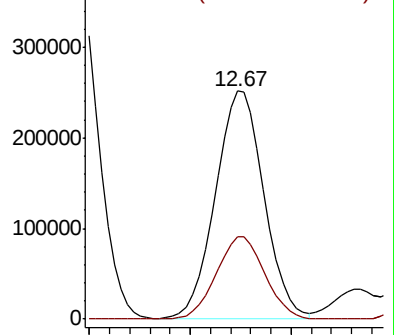
Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.31 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051095.D

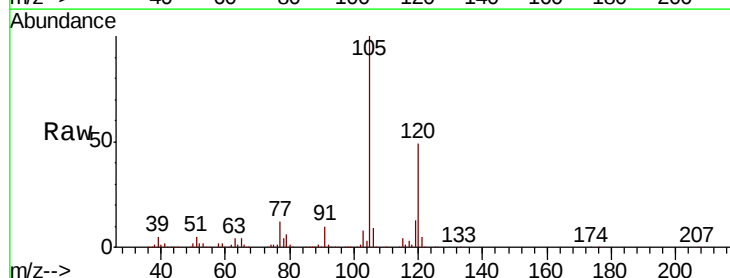
Acq: 10 Sep 2018 23:08

Tgt Ion: 105 Resp: 513635

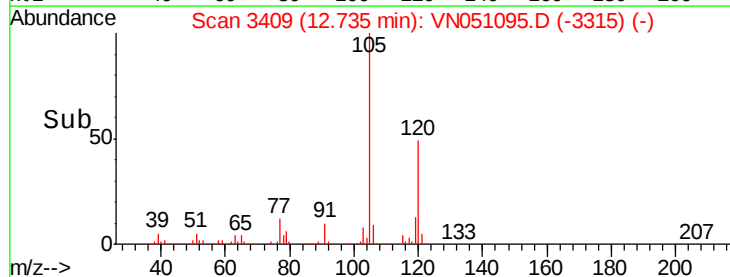
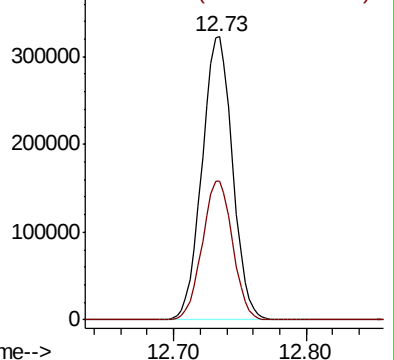
Ion Ratio Lower Upper

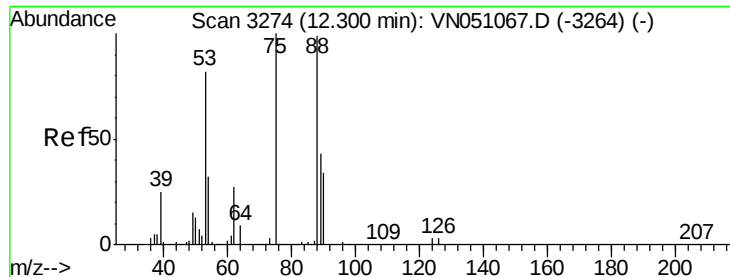
105 100

120 49.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.00 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

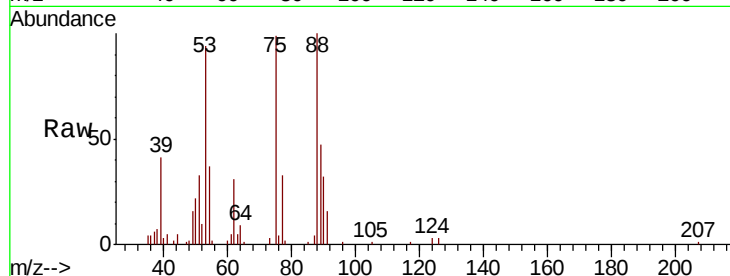
Tot Ion: 75 Resp: 35110

Ion Ratio Lower Upper

75 100

53 91.5 67.8 101.8

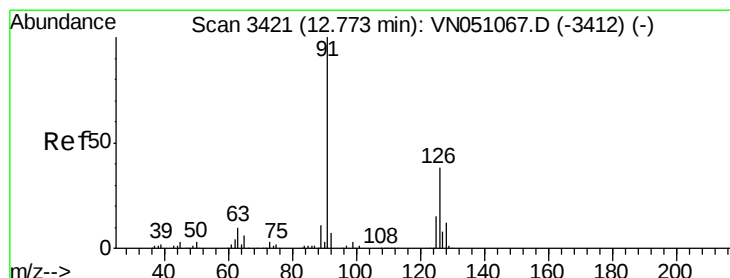
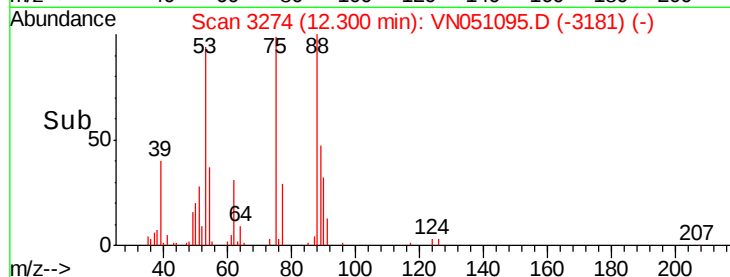
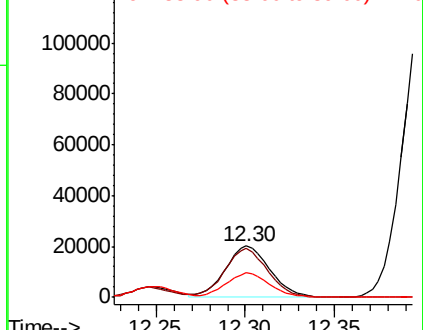
89 45.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.36 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051095.D

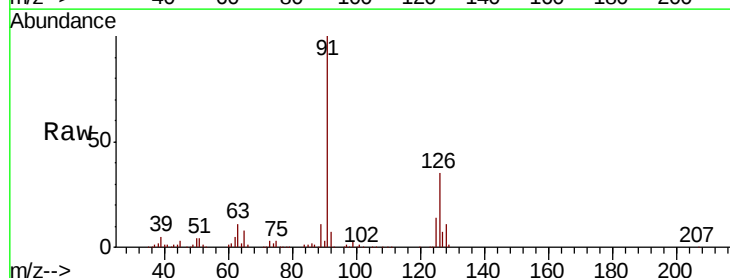
Acq: 10 Sep 2018 23:08

Tgt Ion: 91 Resp: 411915

Ion Ratio Lower Upper

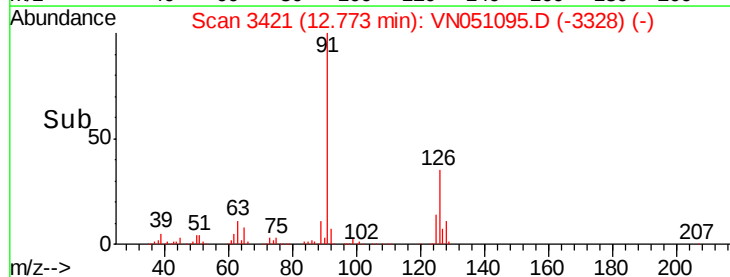
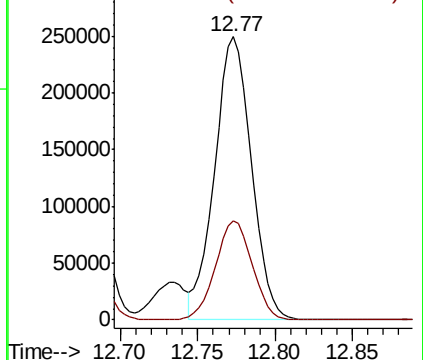
91 100

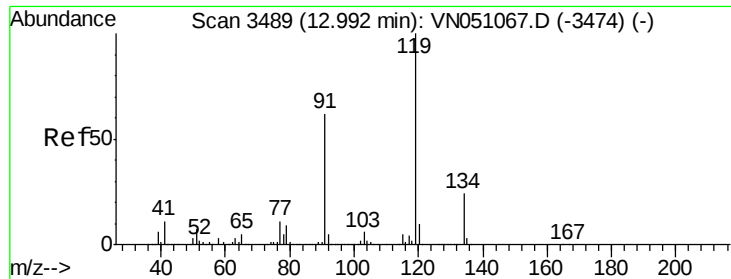
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

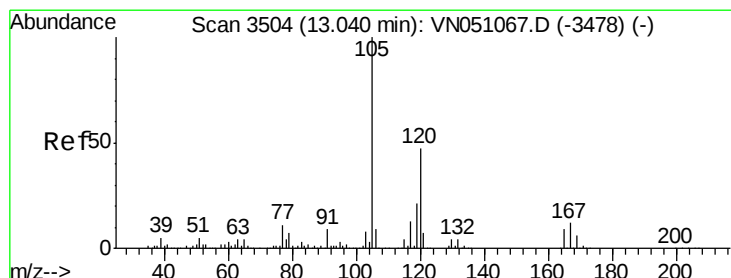
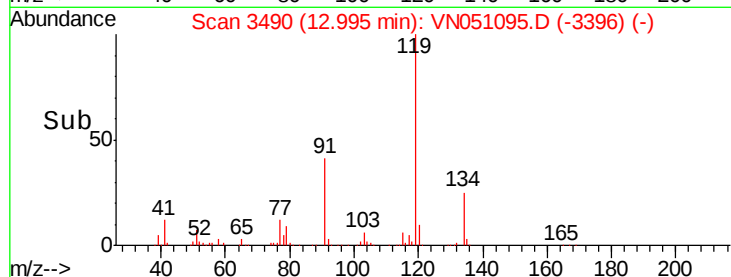
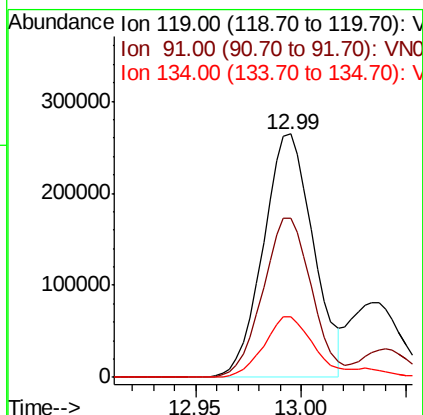
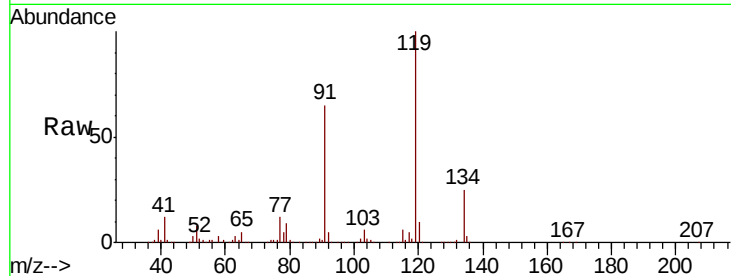




#83
 tert-Butylbenzene
 Concen: 18.61 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

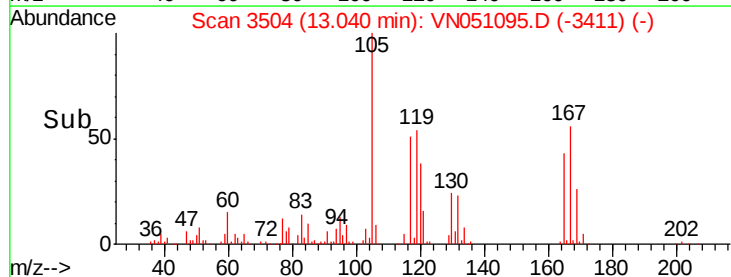
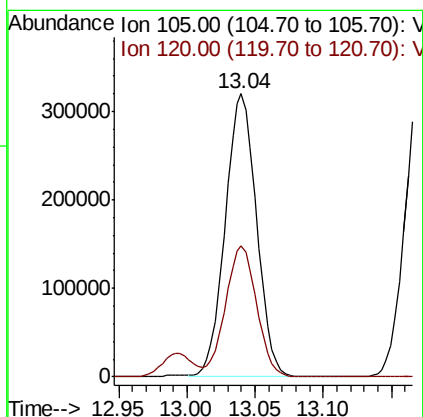
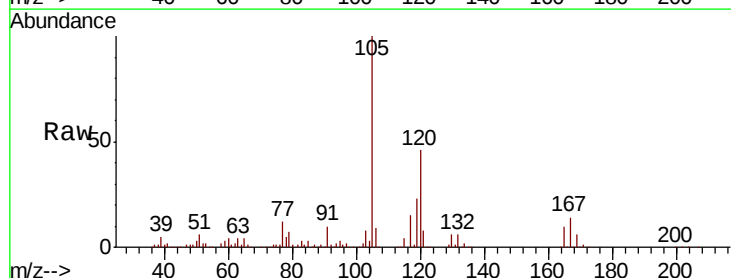
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

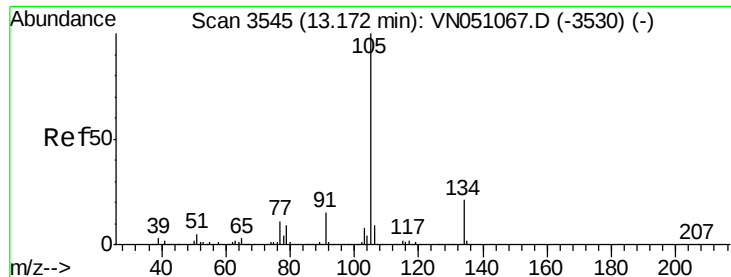
Tot Ion:119 Resp: 436860
 Ion Ratio Lower Upper
 119 100
 91 63.8 30.8 92.3
 134 24.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.50 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion:105 Resp: 509876
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 18.99 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

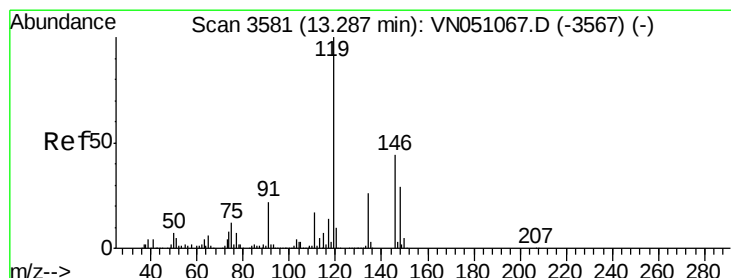
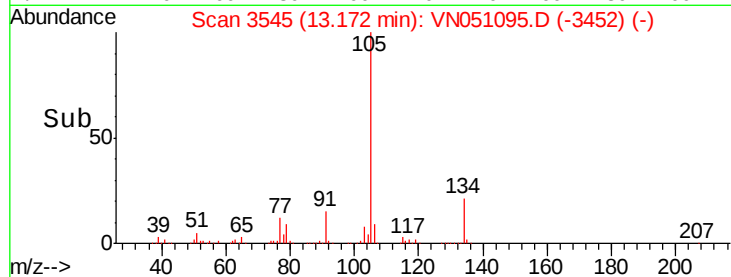
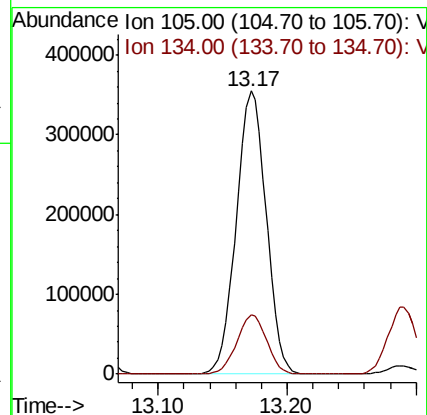
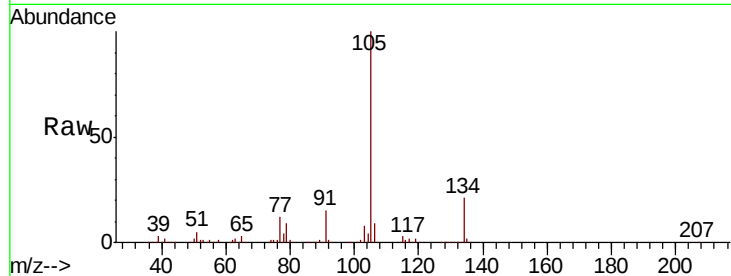
VN0910WBSD02

Tot Ion:105 Resp: 571709

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4



#86

p-Isopropyltoluene

Concen: 18.99 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

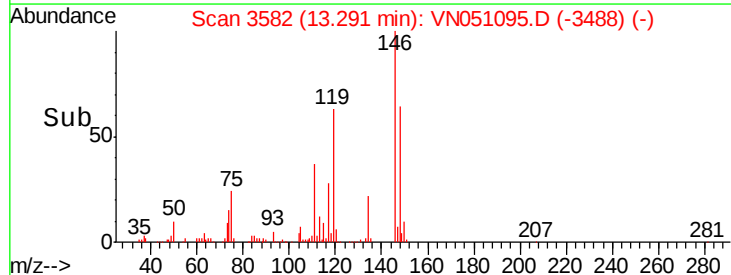
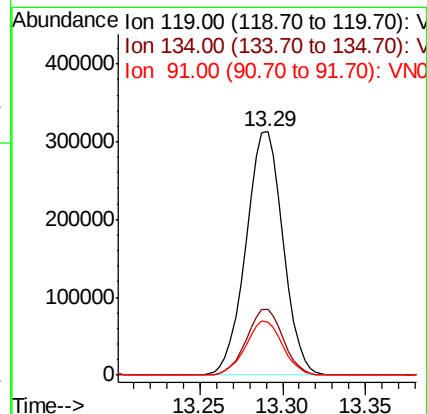
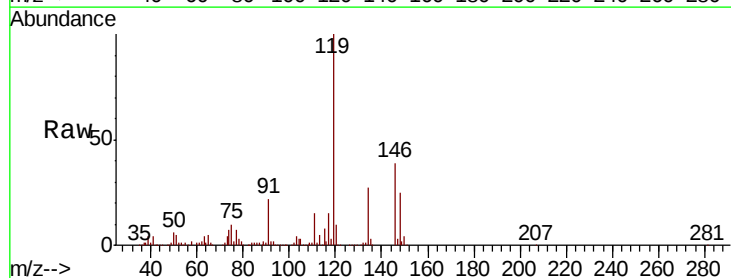
Tgt Ion:119 Resp: 484823

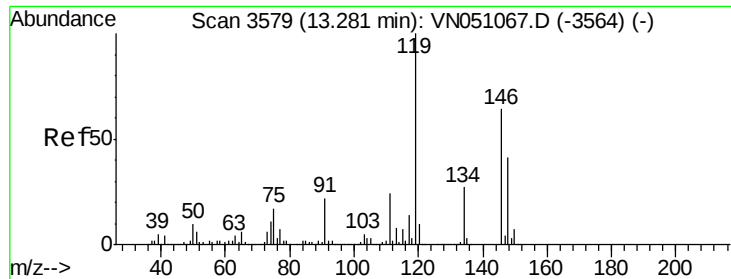
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 10.9 32.9

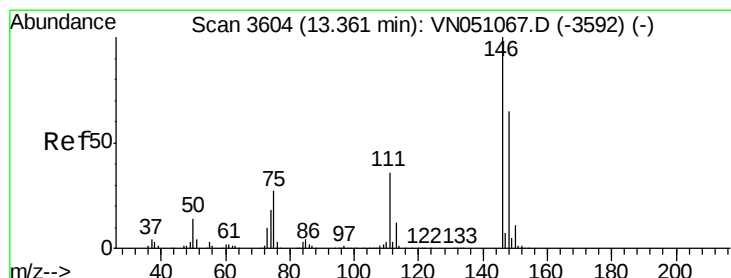
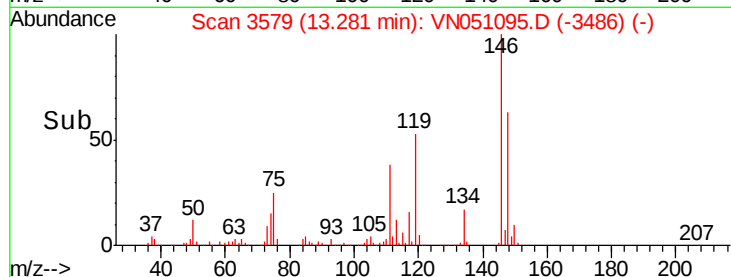
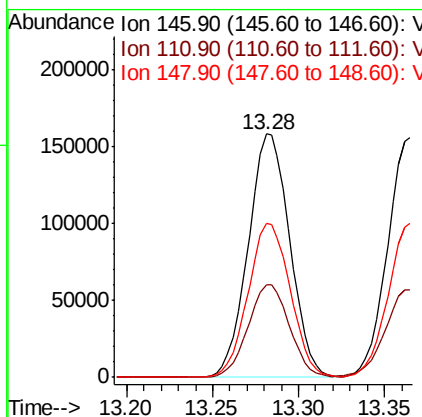
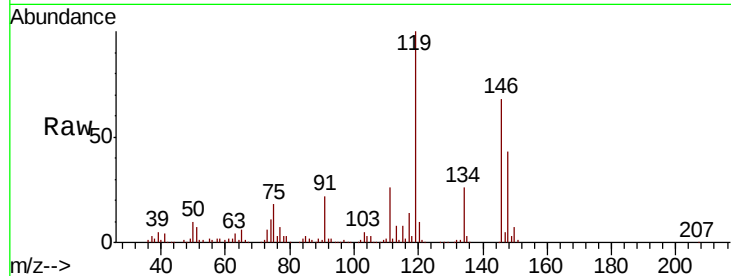




#87
 1,3-Dichlorobenzene
 Concen: 17.64 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

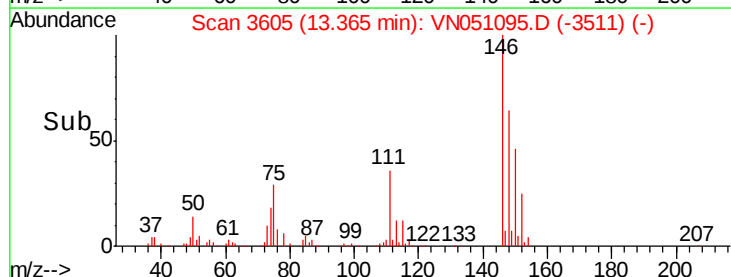
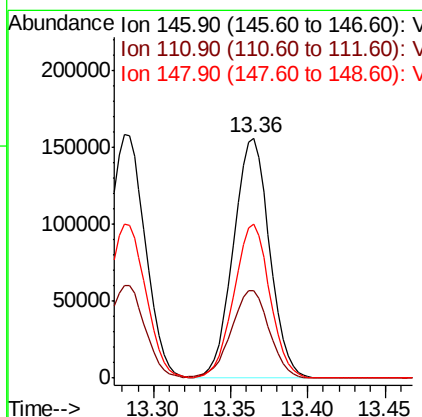
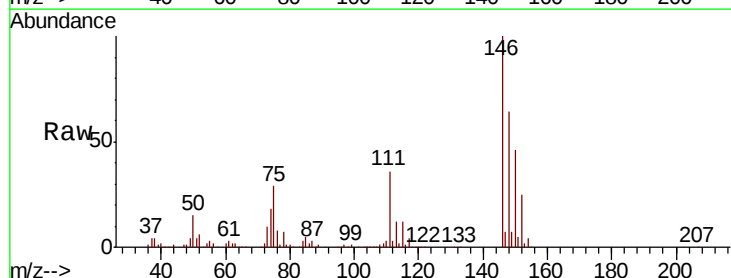
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

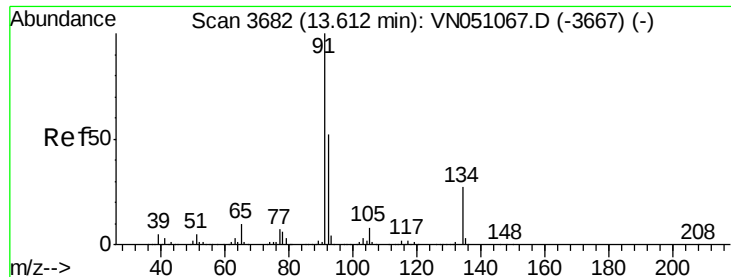
Tot Ion:146 Resp: 264445
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion:146 Resp: 252698
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.0
 148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 17.02 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

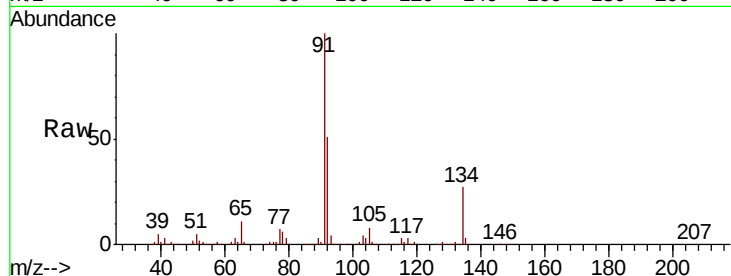
Tot Ion: 91 Resp: 338165

Ion Ratio Lower Upper

91 100

92 51.1 26.2 78.6

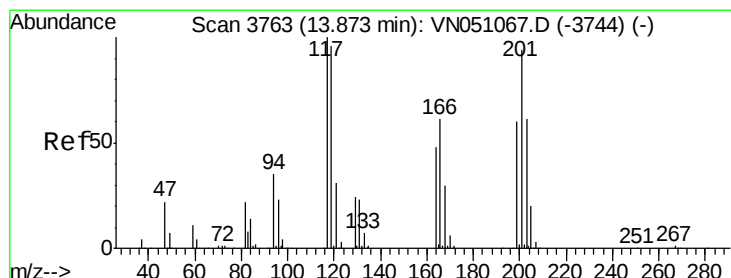
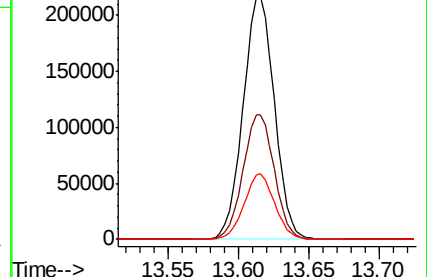
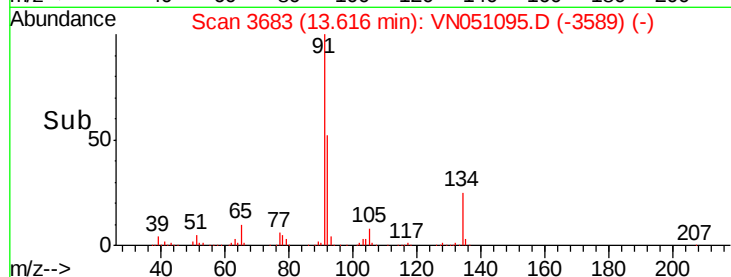
134 26.2 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.13 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051095.D

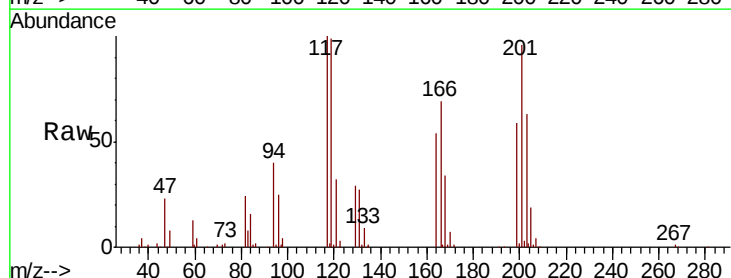
Acq: 10 Sep 2018 23:08

Tgt Ion: 117 Resp: 90694

Ion Ratio Lower Upper

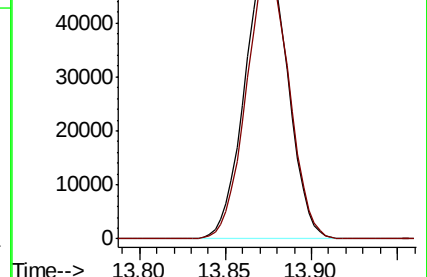
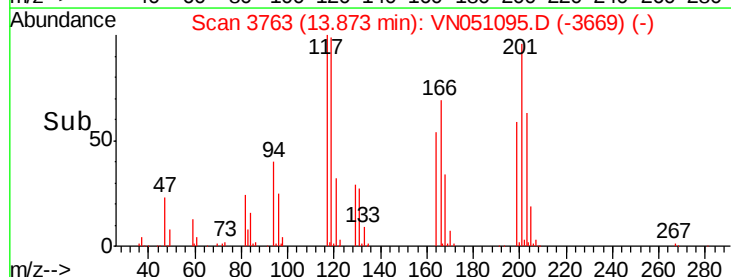
117 100

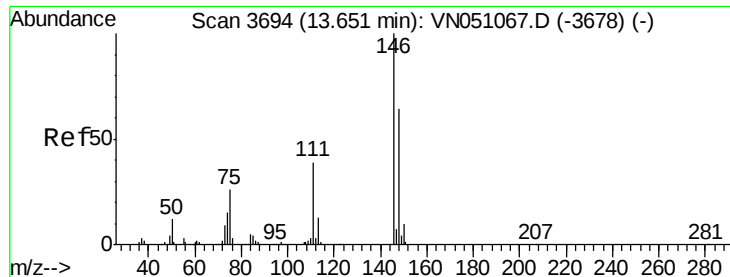
201 94.9 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)





#91

1,2-Dichlorobenzene

Concen: 17.57 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

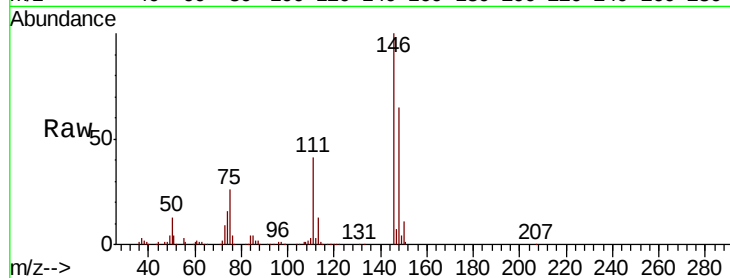
Tot Ion:146 Resp: 256669

Ion Ratio Lower Upper

146 100

111 39.8 19.7 59.0

148 65.0 32.1 96.3

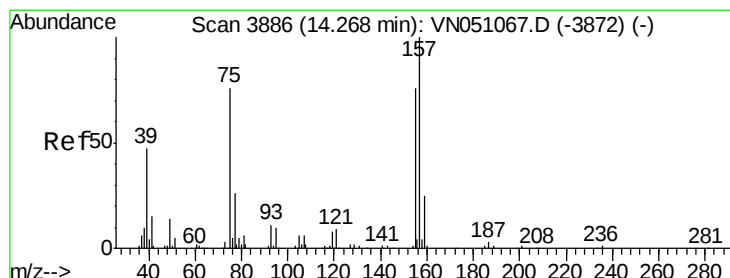
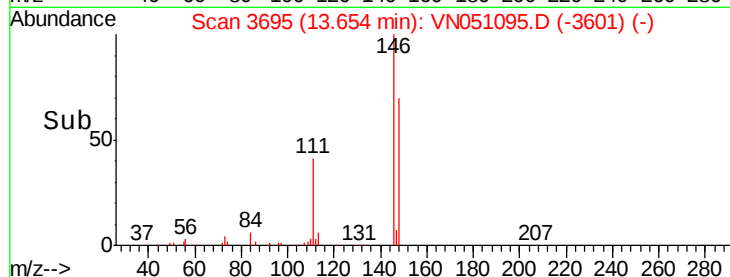
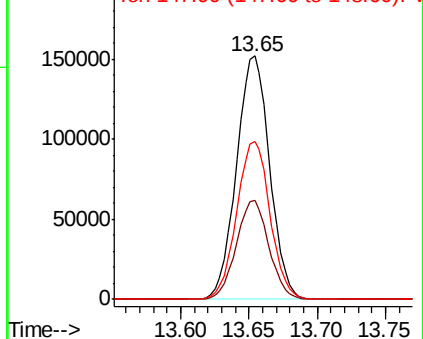


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.13 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

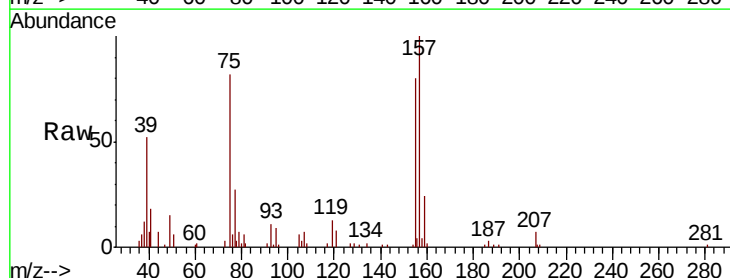
Tgt Ion: 75 Resp: 21028

Ion Ratio Lower Upper

75 100

155 94.0 48.7 146.1

157 118.5 63.6 190.9

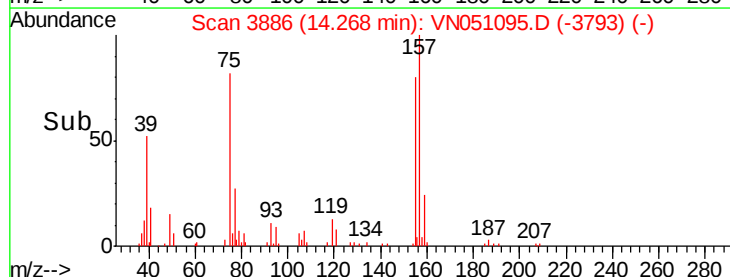
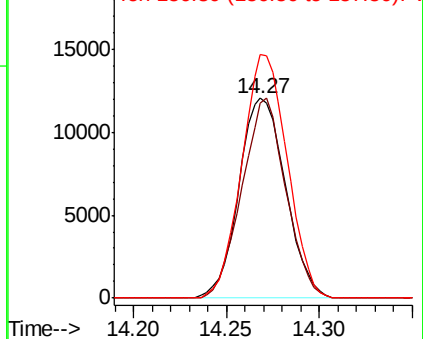


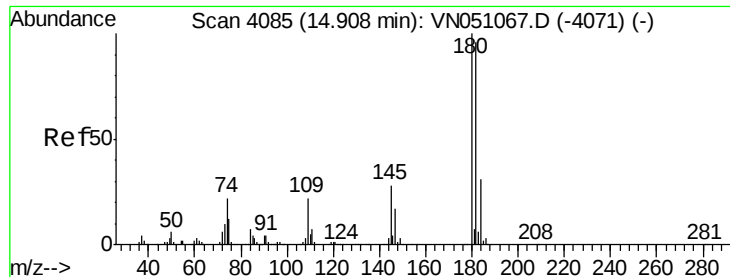
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

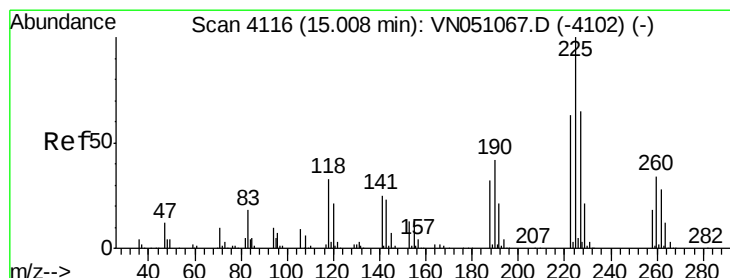
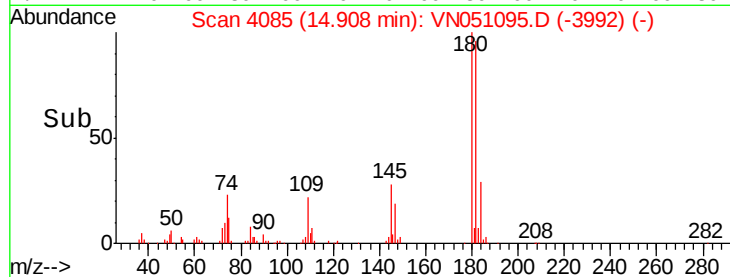
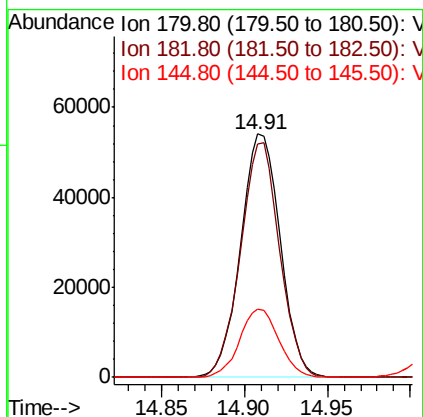
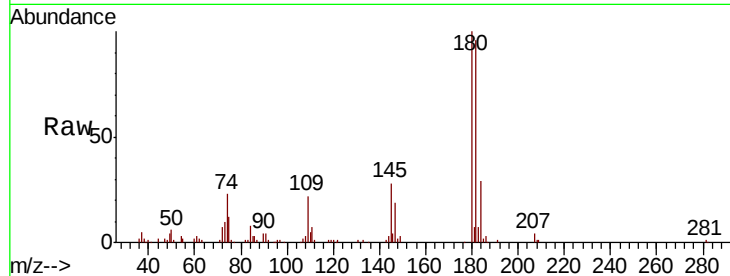




#93
 1,2,4-Trichlorobenzene
 Concen: 15.72 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

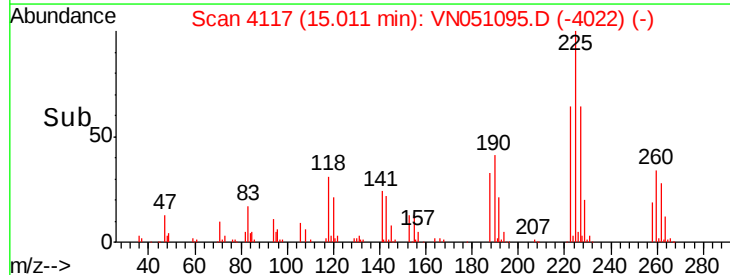
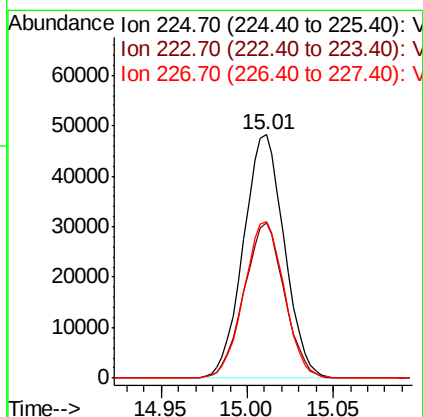
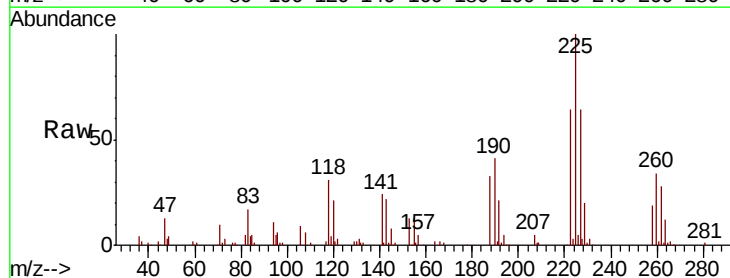
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

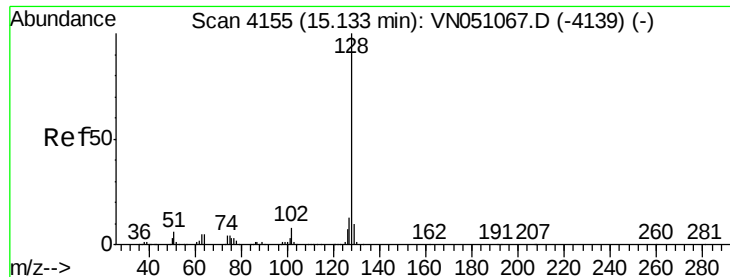
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	27.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 17.54 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051095.D
 Acq: 10 Sep 2018 23:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	63.5	32.1	96.3





#95

Naphthalene

Concen: 16.04 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD02

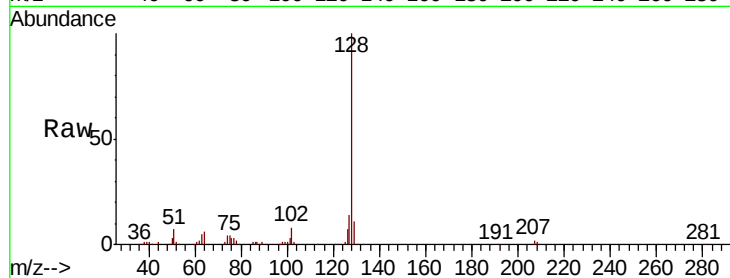
Tot Ion:128 Resp: 176692

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

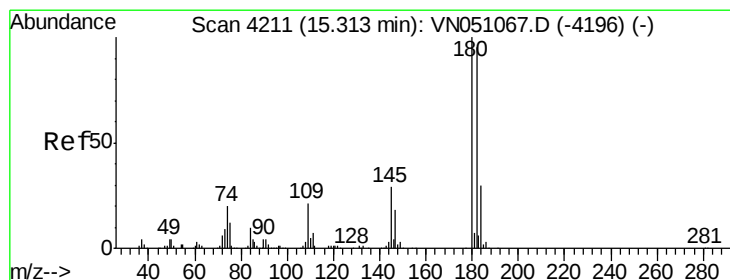
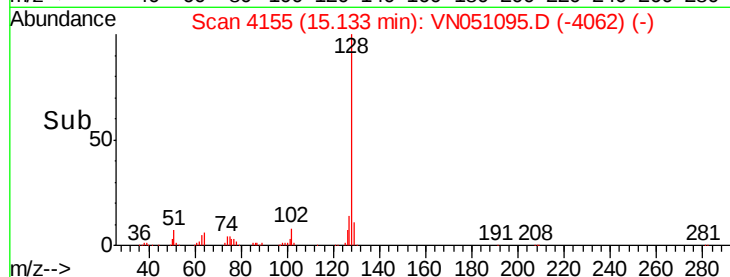
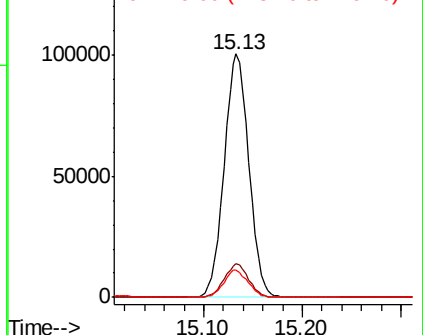
129 10.9 8.6 12.8



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: 16.49 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051095.D

Acq: 10 Sep 2018 23:08

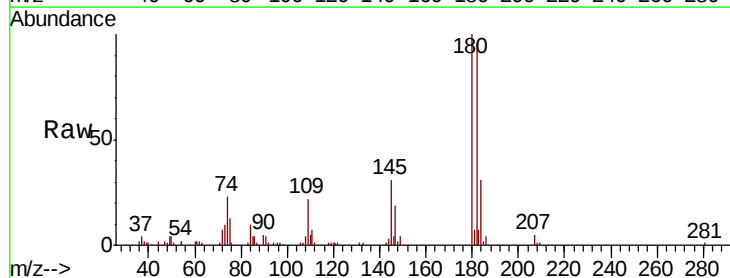
Tgt Ion:180 Resp: 97064

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.3

145 30.2 14.6 43.8



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

