

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053589.D
 Acq On : 4 Feb 2019 11:56
 Operator : JC/SP
 Sample : VN0204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Quant Time: Feb 05 01:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	685212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	899485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	336954	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
35) Dibromofluoromethane	7.59	113	324047	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.09	98	1192311	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	394698	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	152346	19.926	ug/l	98
3) Chloromethane	2.06	50	155499	19.115	ug/l	100
4) Vinyl Chloride	2.19	62	154420	19.555	ug/l	99
5) Bromomethane	2.57	94	102866	19.922	ug/l	97
6) Chloroethane	2.71	64	89113	19.747	ug/l	98
7) Trichlorofluoromethane	3.02	101	204050	19.055	ug/l	100
8) Diethyl Ether	3.41	74	73101	18.692	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130002	19.629	ug/l	99
10) Methyl Iodide	3.96	142	189557	18.235	ug/l	100
11) Tert butyl alcohol	4.78	59	38389	94.364	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	121913	19.213	ug/l	97
13) Acrolein	3.61	56	26874	121.329	ug/l	94
14) Allyl chloride	4.33	41	188114	18.620	ug/l	98
15) Acrylonitrile	4.99	53	211886	96.478	ug/l	99
16) Acetone	3.82	43	164414	93.248	ug/l	99
17) Carbon Disulfide	4.06	76	361129	18.278	ug/l	100
18) Methyl Acetate	4.33	43	96917	18.560	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	307561	19.120	ug/l	98
20) Methylene Chloride	4.55	84	135953	18.379	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	128419	18.759	ug/l	99
22) Diisopropyl ether	5.95	45	356446	19.041	ug/l	97
23) Vinyl Acetate	5.90	43	1217232	93.993	ug/l	99
24) 1,1-Dichloroethane	5.85	63	235881	18.892	ug/l	99
25) 2-Butanone	6.84	43	231079	91.891	ug/l	99
26) 2,2-Dichloropropane	6.82	77	172313	18.078	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	145846	19.160	ug/l	99
28) Bromochloromethane	7.20	49	110443	20.383	ug/l	96
29) Tetrahydrofuran	7.21	42	151255	93.670	ug/l	97
30) Chloroform	7.37	83	236780	19.130	ug/l	98
31) Cyclohexane	7.66	56	216279	18.498	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	197705	19.194	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173818	18.816	ug/l	97
37) Ethyl Acetate	6.93	43	103566	20.074	ug/l	100
38) Carbon Tetrachloride	7.77	117	177501	19.074	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208125	18.990	ug/l	100
40) Benzene	8.04	78	548195	19.244	ug/l	99
41) Methacrylonitrile	7.17	41	51582	17.889	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	164099	19.401	ug/l	100
43) Isopropyl Acetate	8.17	43	185220	18.590	ug/l #	88
44) Trichloroethene	8.83	130	148638	18.328	ug/l	98
45) 1,2-Dichloropropane	9.12	63	140846	19.331	ug/l	98
46) Dibromomethane	9.21	93	84242	19.180	ug/l	99
47) Bromodichloromethane	9.40	83	178166	19.510	ug/l	97
48) Methyl methacrylate	9.20	41	83476	17.551	ug/l	93
49) 1,4-Dioxane	9.20	88	26001	401.635	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	479613	97.957	ug/l	99
52) Toluene	10.16	92	334640	19.793	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	169775	18.566	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204321	18.855	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	119385	19.596	ug/l	99
56) Ethyl methacrylate	10.43	69	134517	18.665	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197504	18.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	375423	89.313	ug/l	99
59) 2-Hexanone	10.75	43	303806	91.402	ug/l	100
60) Dibromochloromethane	10.90	129	134280	19.546	ug/l	98
61) 1,2-Dibromoethane	11.00	107	114241	18.946	ug/l	98
64) Tetrachloroethene	10.63	164	147773	19.165	ug/l	99
65) Chlorobenzene	11.43	112	362492	18.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	127379	19.090	ug/l	99
67) Ethyl Benzene	11.51	91	605725	19.300	ug/l	100
68) m/p-Xylenes	11.62	106	476367	39.768	ug/l	99
69) o-Xylene	11.95	106	227744	19.680	ug/l	98
70) Styrene	11.96	104	372459	19.857	ug/l	100
71) Bromoform	12.13	173	91350	19.969	ug/l #	99
73) Isopropylbenzene	12.25	105	605434	19.706	ug/l	100
74) N-amyl acetate	12.07	43	136276	18.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	135156	18.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168246	29.971	ug/l #	100
77) Bromobenzene	12.53	156	156944	18.954	ug/l	97
78) n-propylbenzene	12.59	91	704553	19.837	ug/l	99
79) 2-Chlorotoluene	12.67	91	412781	19.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	517430	20.309	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34021	17.041	ug/l	96
82) 4-Chlorotoluene	12.77	91	422390	19.535	ug/l	100
83) tert-Butylbenzene	12.99	119	455168	20.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	522276	20.121	ug/l	99
85) sec-Butylbenzene	13.17	105	619012	20.201	ug/l	100
86) p-Isopropyltoluene	13.29	119	543053	20.264	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286606	19.254	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	280806	19.071	ug/l	99
89) n-Butylbenzene	13.62	91	462451	19.936	ug/l	99
90) Hexachloroethane	13.87	117	86892	19.657	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	275179	19.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19798	18.892	ug/l	98

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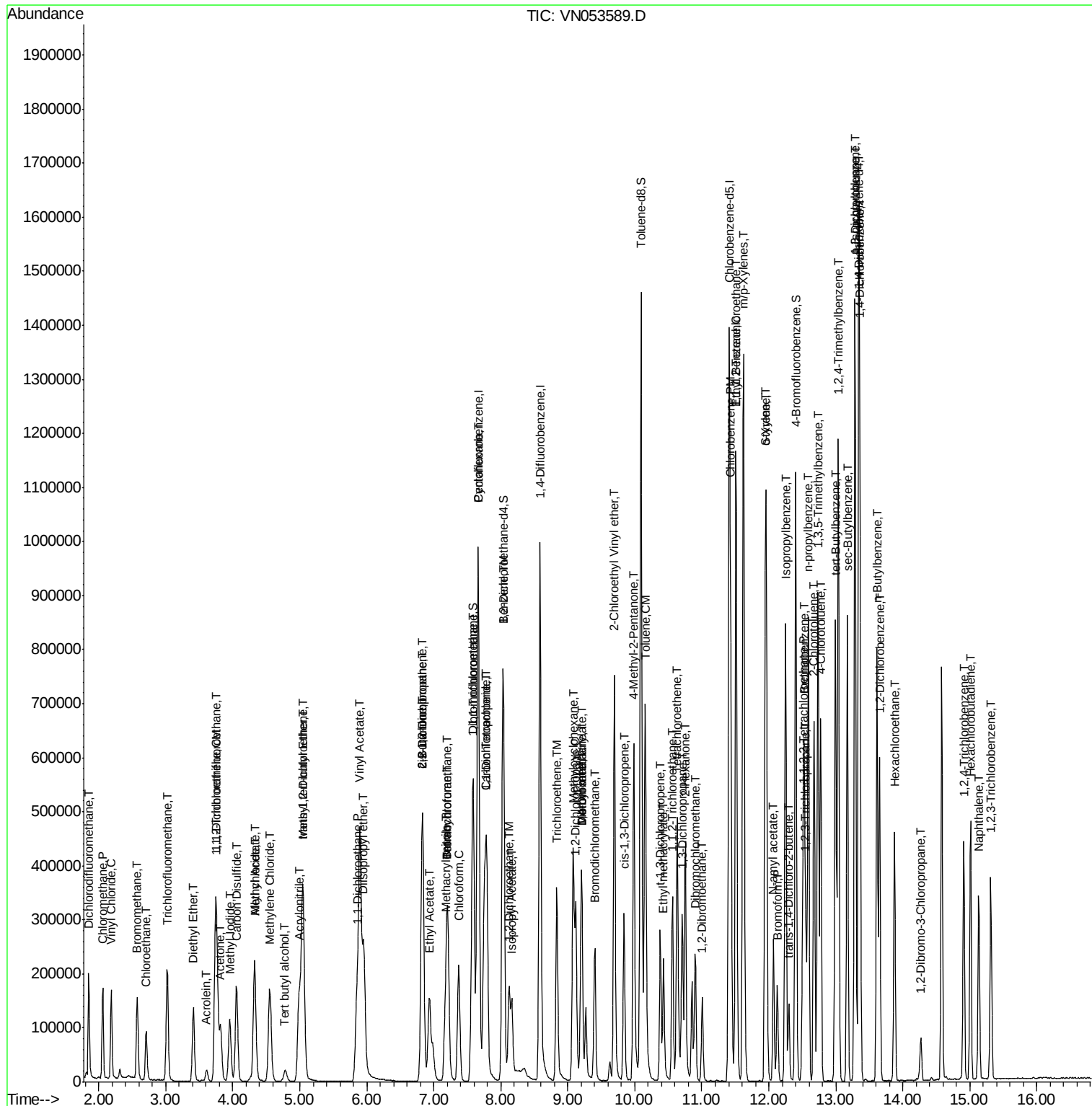
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	154361	18.887	ug/l	100
94) Hexachlorobutadiene	15.01	225	104268	20.486	ug/l	99
95) Naphthalene	15.13	128	303520	16.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141265	18.628	ug/l	99

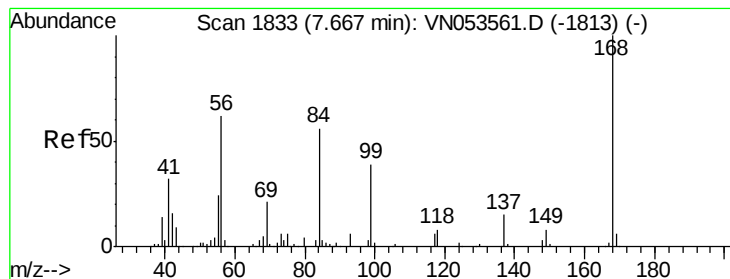
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

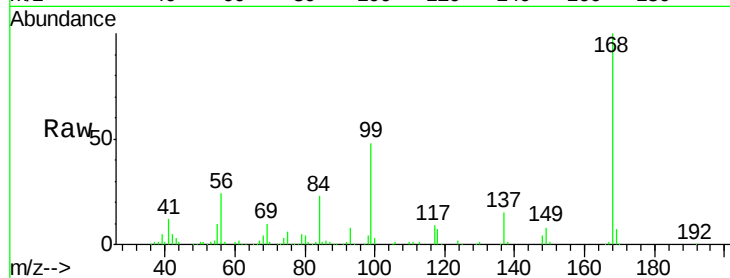
VN0204WBS01

Tot Ion:168 Resp: 685212

Ion Ratio Lower Upper

168 100

99 47.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

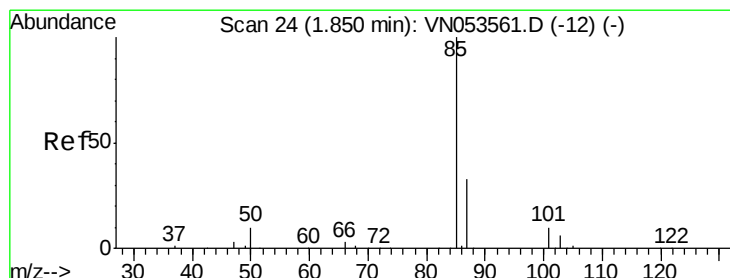
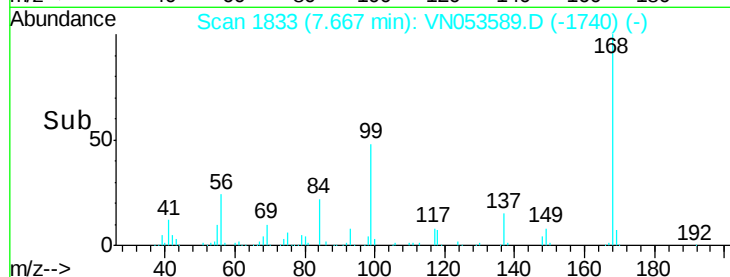
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.926 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053589.D

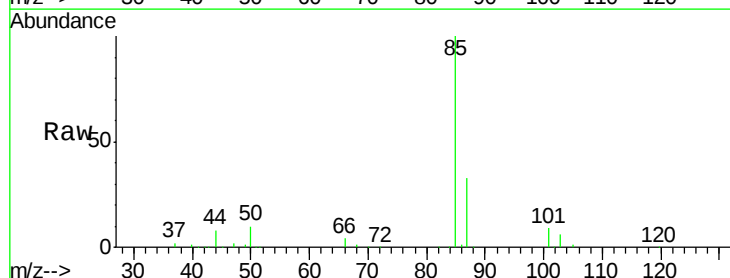
Acq: 4 Feb 2019 11:56

Tgt Ion: 85 Resp: 152346

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

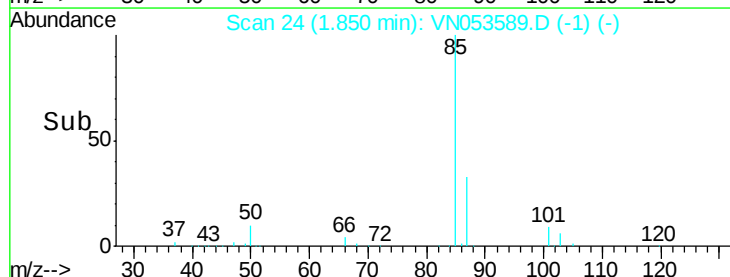
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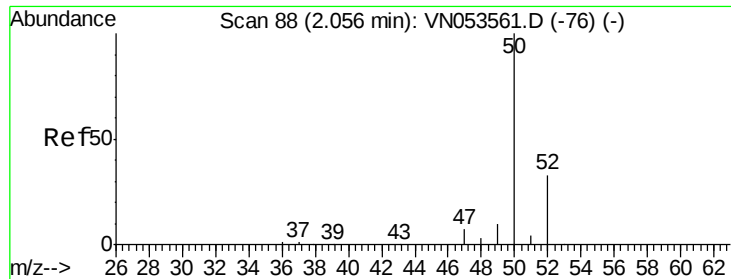
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.115 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

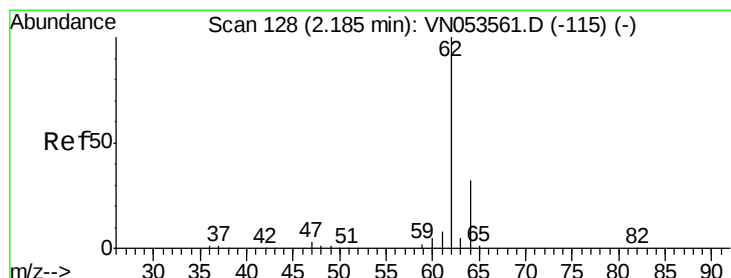
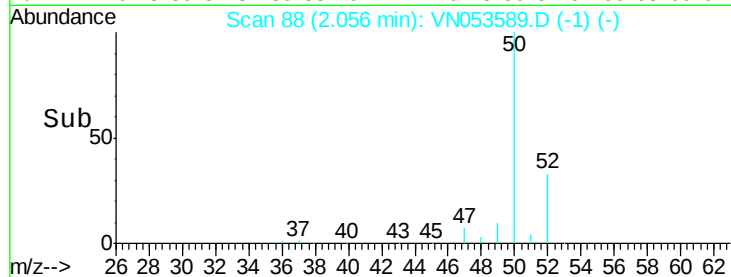
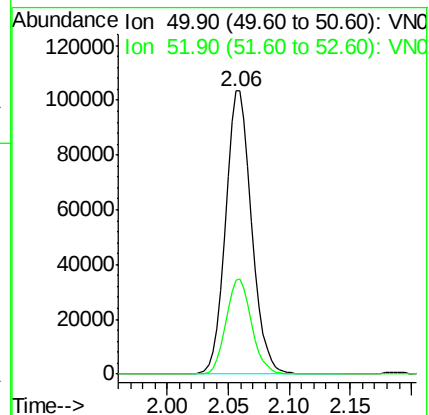
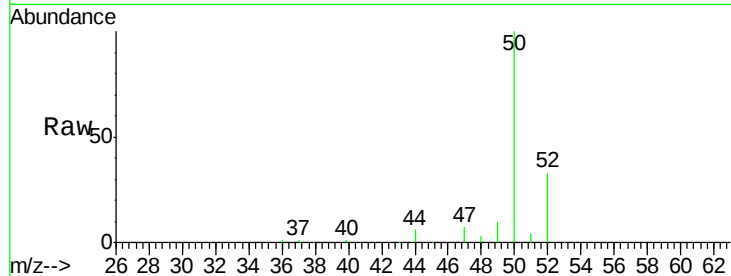
VN0204WBS01

Tot Ion: 50 Resp: 155499

Ion Ratio Lower Upper

50 100

52 33.0 26.6 40.0



#4

Vinyl Chloride

Concen: 19.555 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053589.D

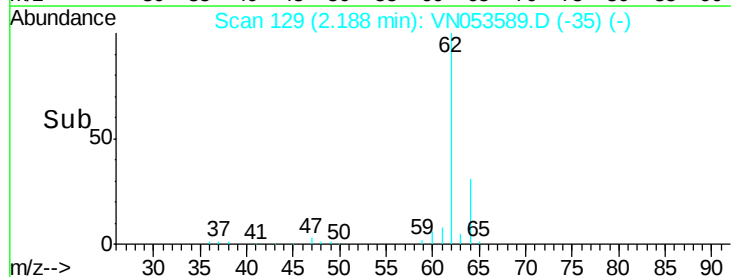
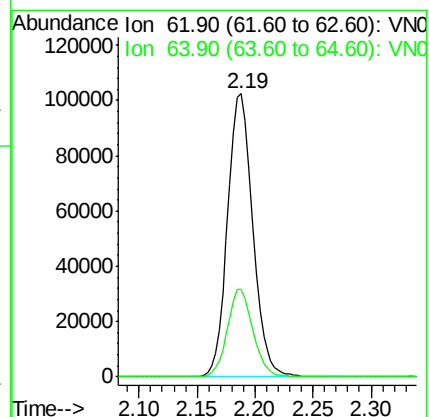
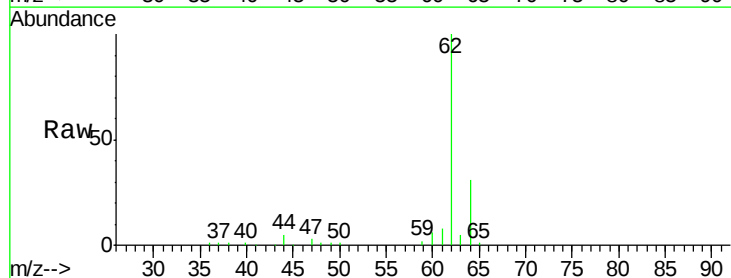
Acq: 4 Feb 2019 11:56

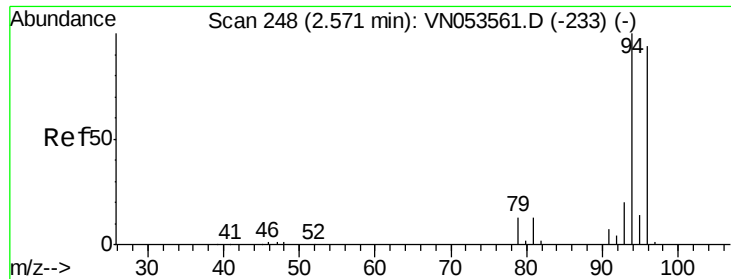
Tgt Ion: 62 Resp: 154420

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 19.922 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

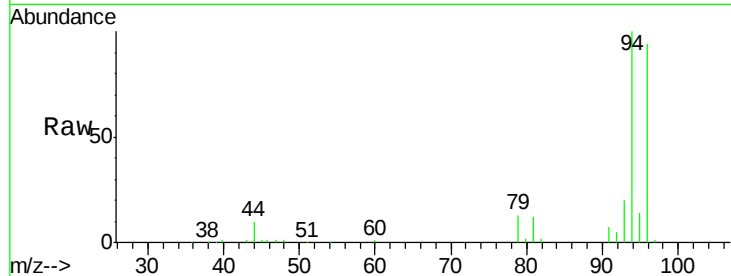
VN0204WBS01

Tot Ion: 94 Resp: 102866

Ion Ratio Lower Upper

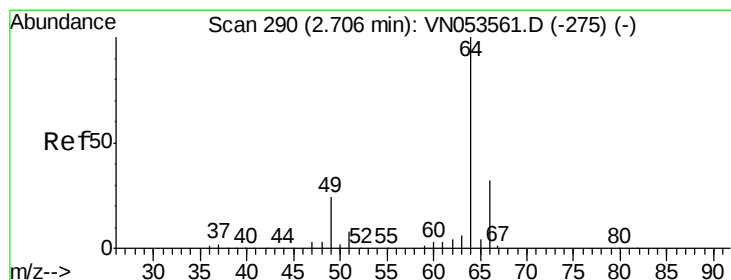
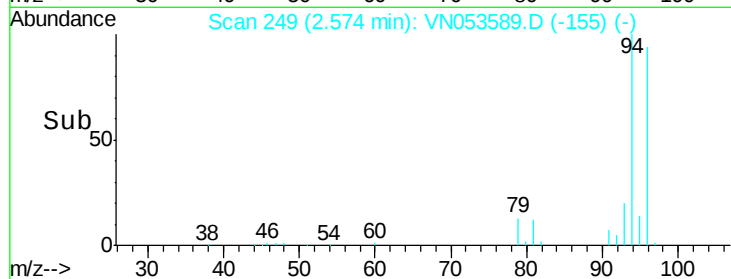
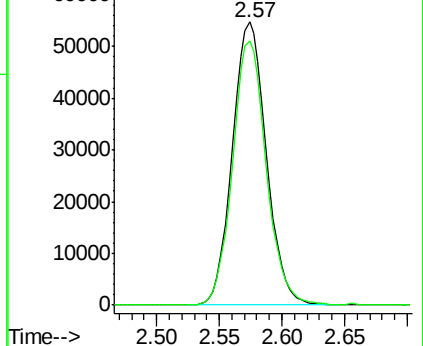
94 100

96 93.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.747 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053589.D

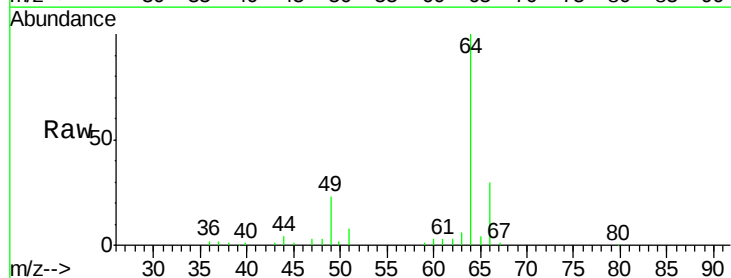
Acq: 4 Feb 2019 11:56

Tgt Ion: 64 Resp: 89113

Ion Ratio Lower Upper

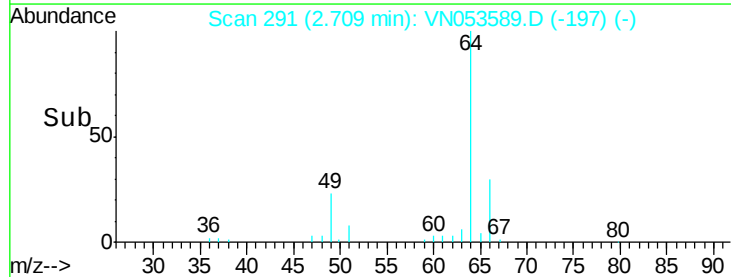
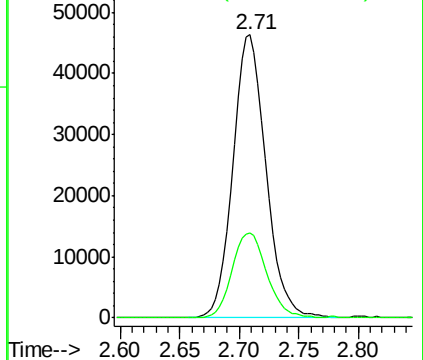
64 100

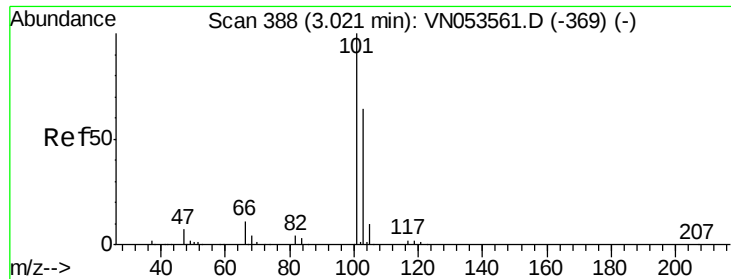
66 30.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



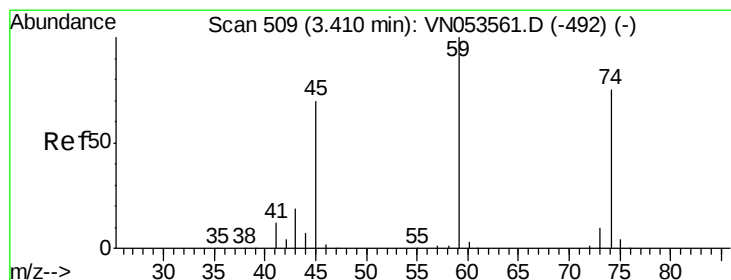
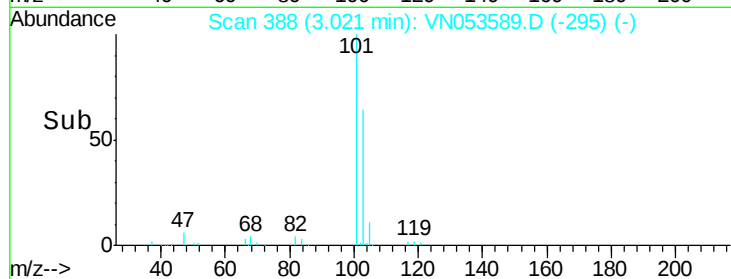
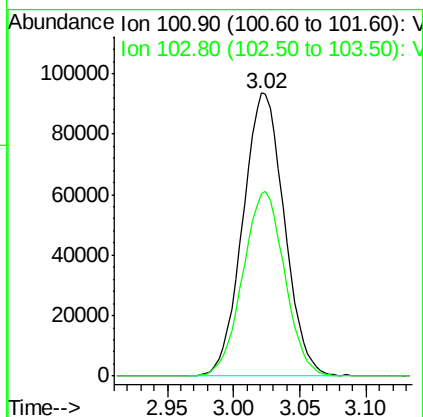
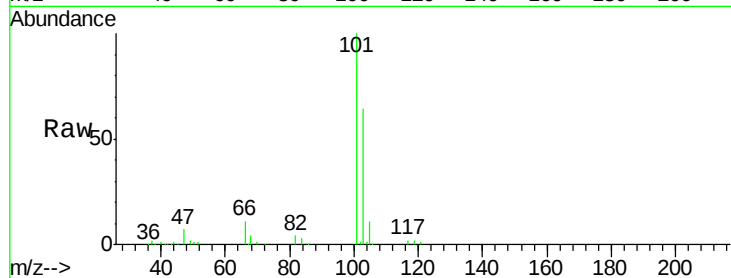


#7

Trichlorofluoromethane
Concen: 19.055 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053589.D
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Instrument :
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ClientSampled :
VN0204WBS01

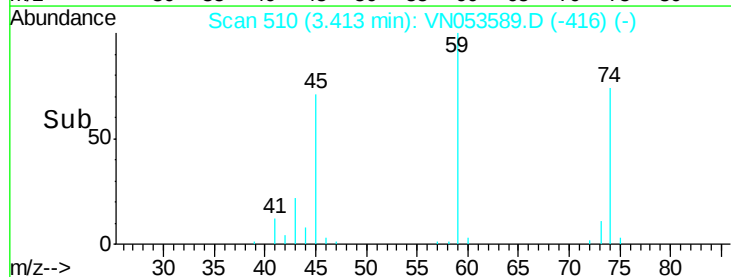
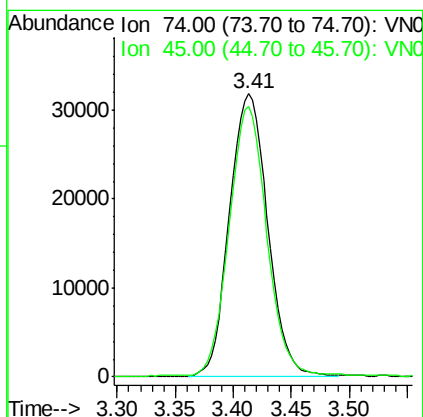
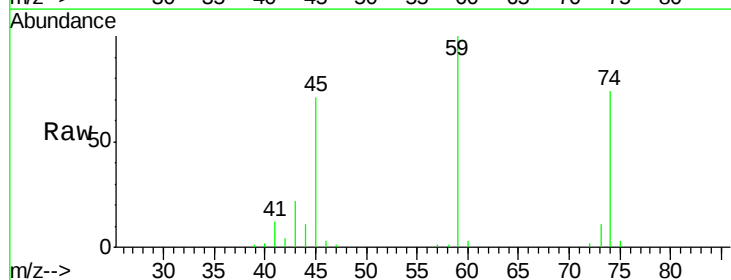
Tot Ion:101 Resp: 204050
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

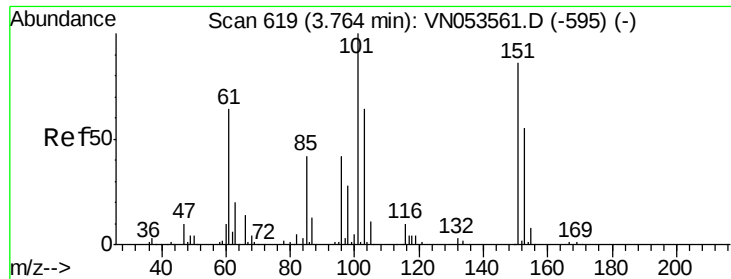


#8

Diethyl Ether
Concen: 18.692 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 74 Resp: 73101
Ion Ratio Lower Upper
74 100
45 92.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053589.D

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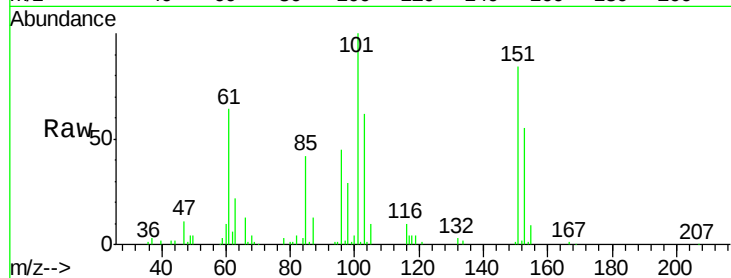
Tot Ion:101 Resp: 130002

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

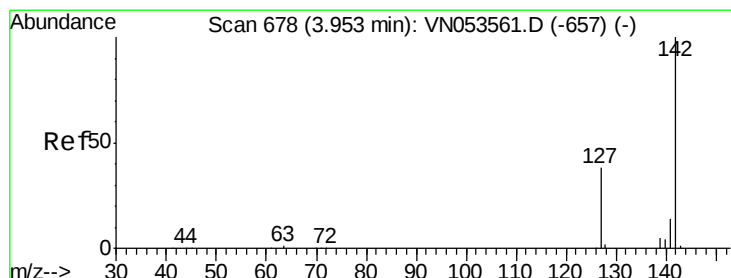
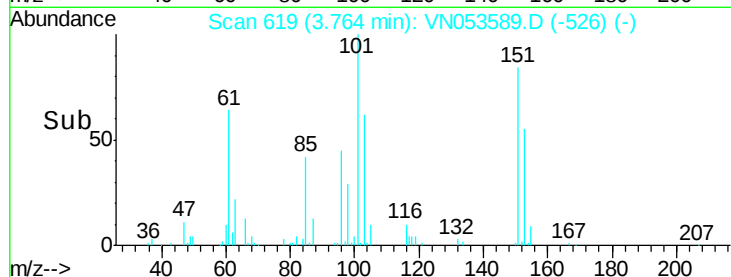
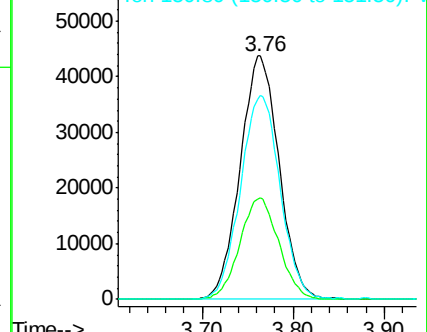
151 85.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.235 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

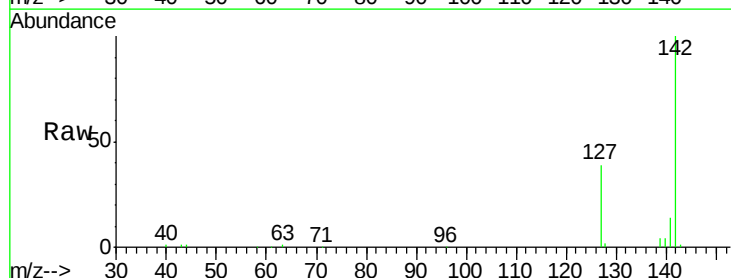
Tgt Ion:142 Resp: 189557

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

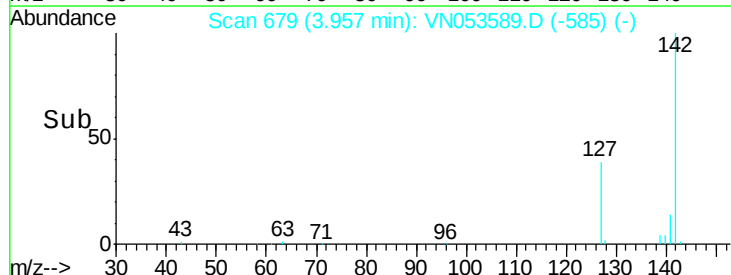
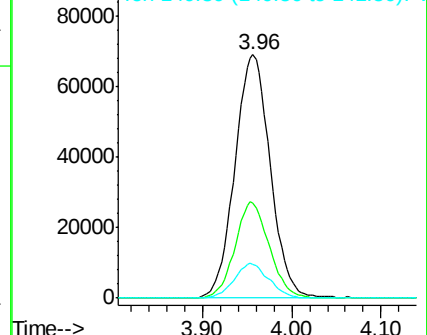
141 13.8 11.1 16.7

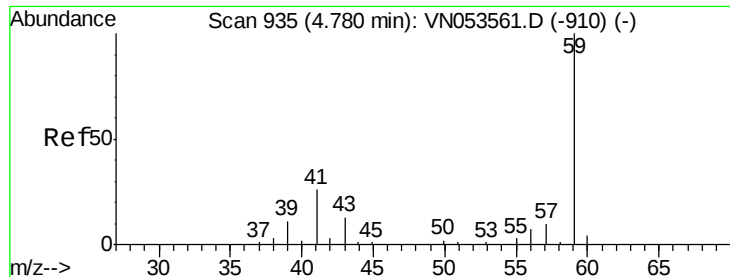


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

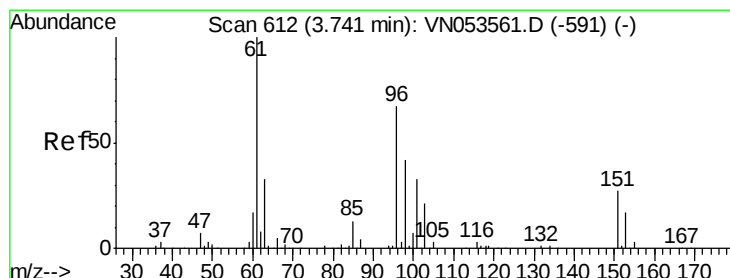
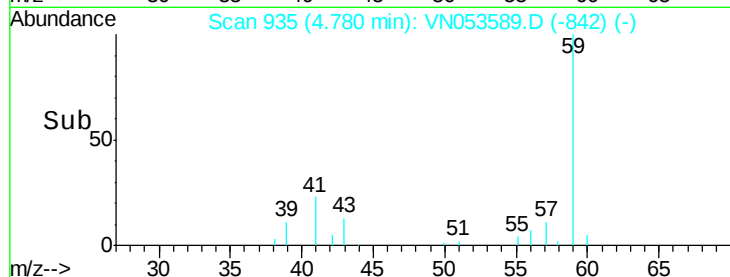
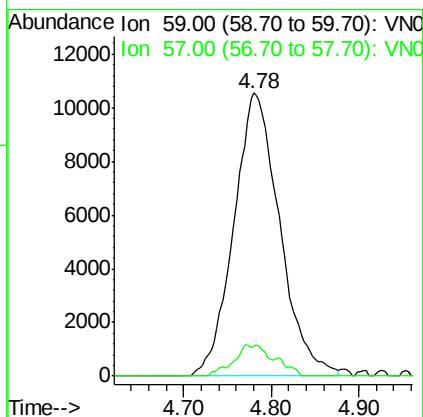
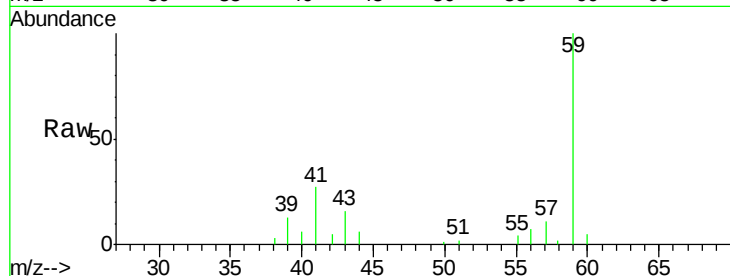




#11
Tert butyl alcohol
Concen: 94.364 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

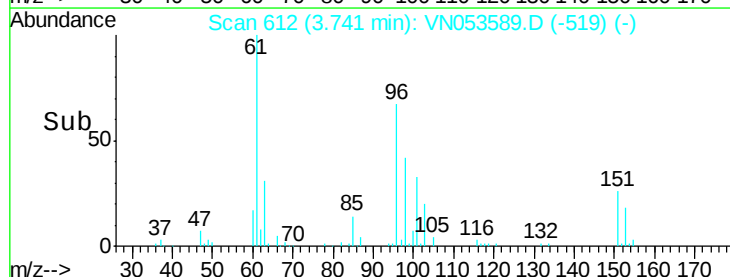
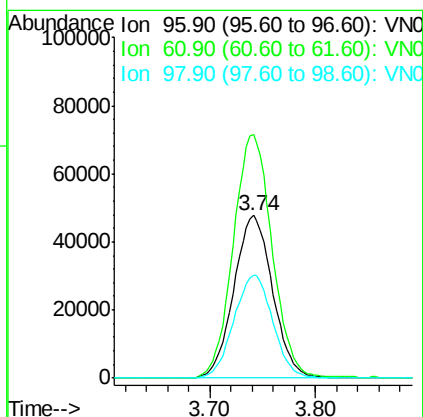
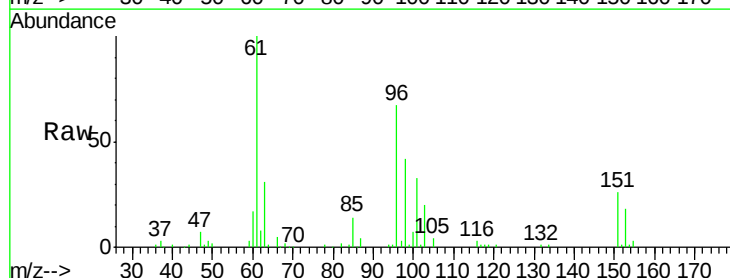
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

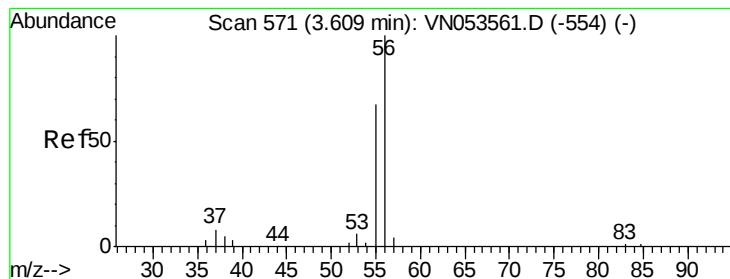
Tot Ion: 59 Resp: 38389
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 19.213 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 96 Resp: 121913
Ion Ratio Lower Upper
96 100
61 149.8 122.9 184.3
98 63.6 49.4 74.0





#13

Acrolein

Concen: 121.329 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

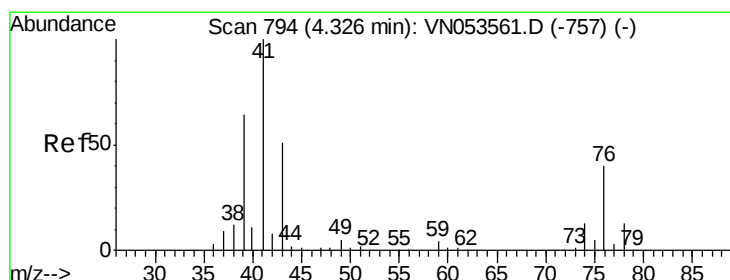
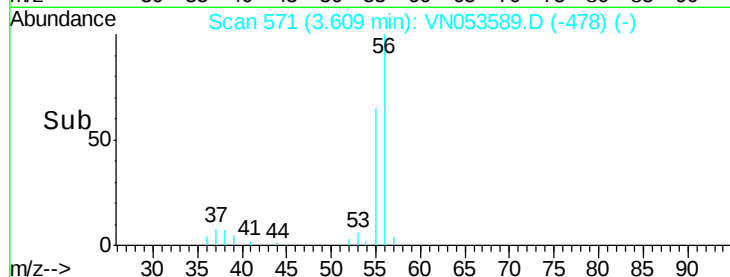
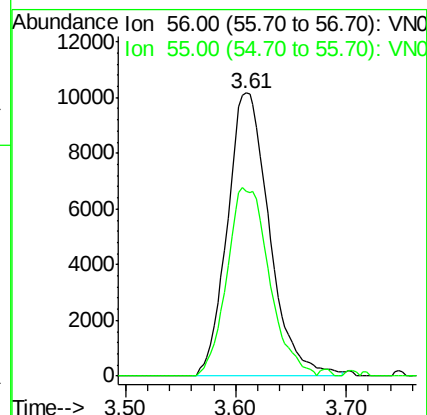
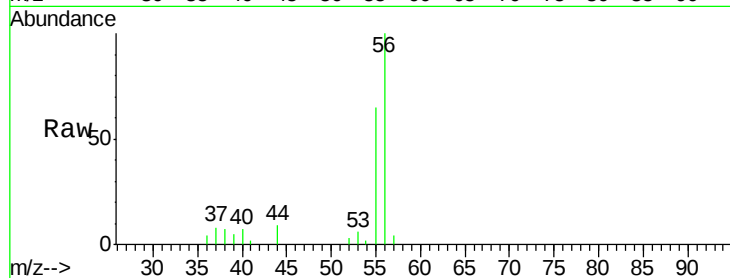
VN0204WBS01

Tot Ion: 56 Resp: 26874

Ion Ratio Lower Upper

56 100

55 66.9 57.4 86.0



#14

Allyl chloride

Concen: 18.620 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

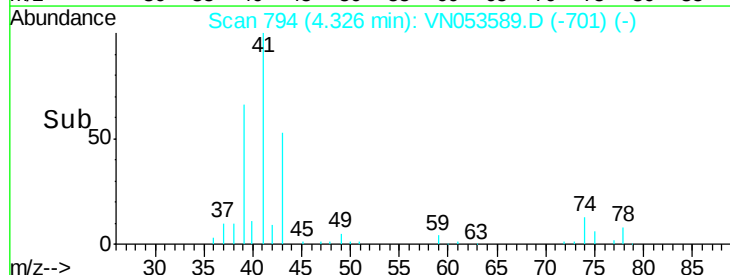
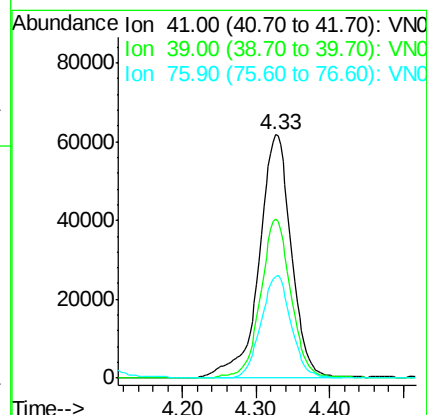
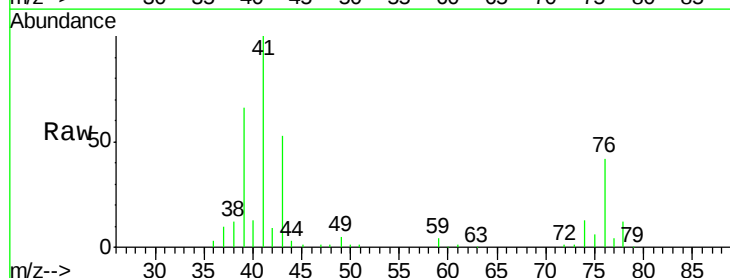
Tgt Ion: 41 Resp: 188114

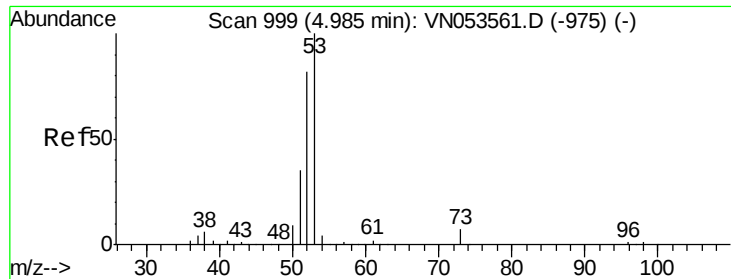
Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

76 39.2 29.4 44.2





#15

Acrylonitrile

Concen: 96.478 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

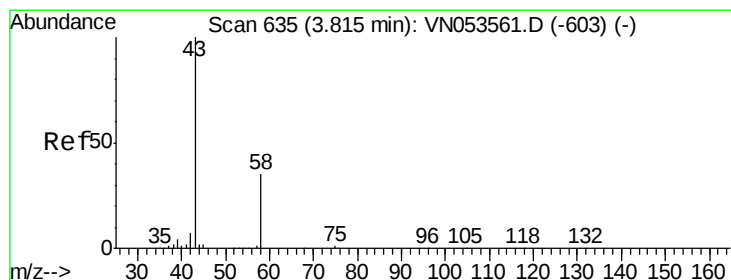
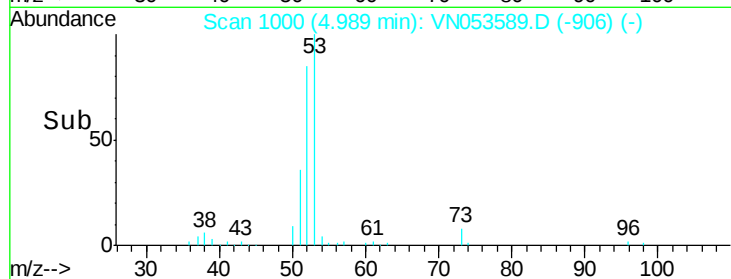
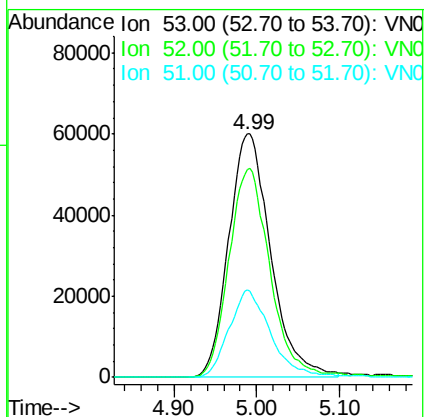
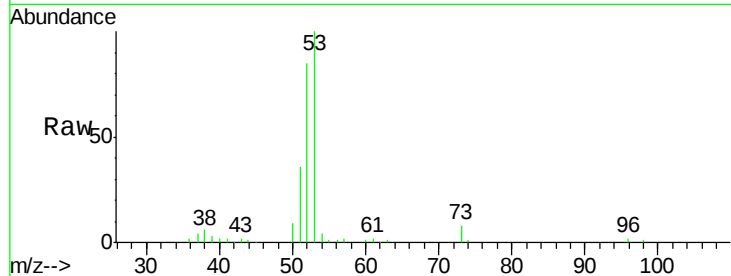
Tot Ion: 53 Resp: 211886

Ion Ratio Lower Upper

53 100

52 82.9 66.0 99.0

51 35.0 28.3 42.5



#16

Acetone

Concen: 93.248 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053589.D

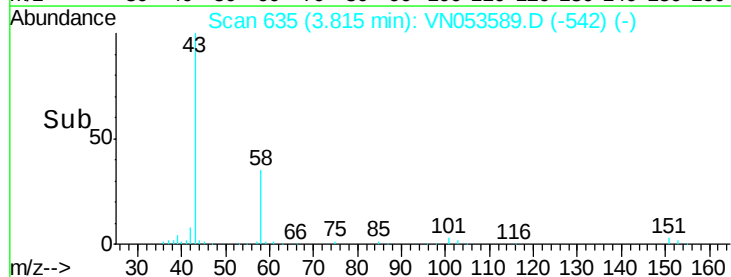
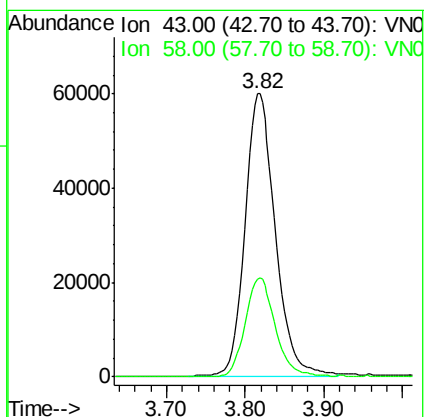
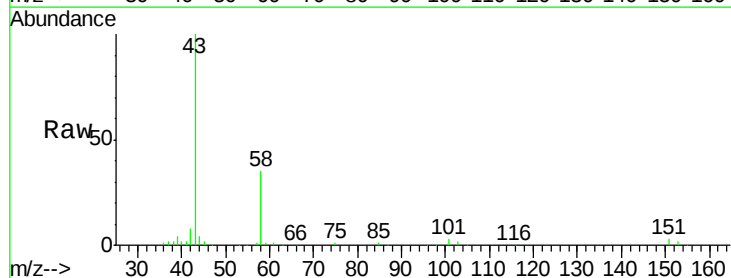
Acq: 4 Feb 2019 11:56

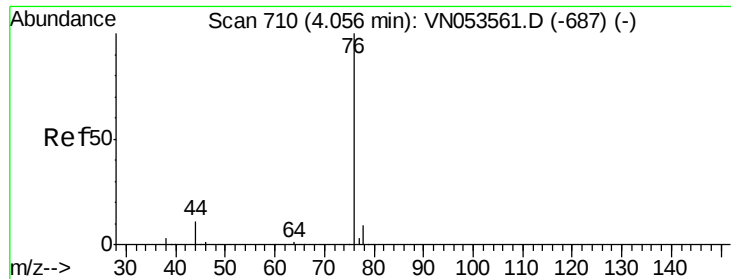
Tgt Ion: 43 Resp: 164414

Ion Ratio Lower Upper

43 100

58 34.6 27.1 40.7

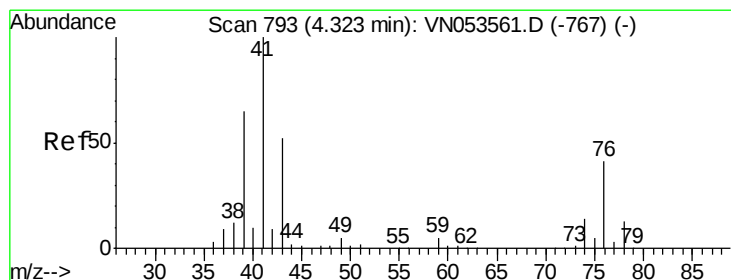
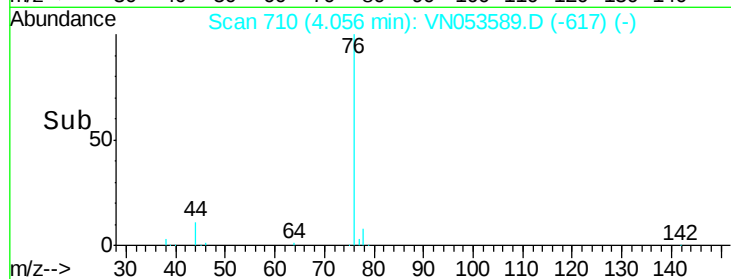
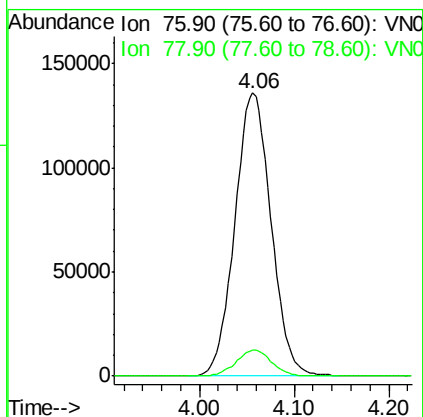
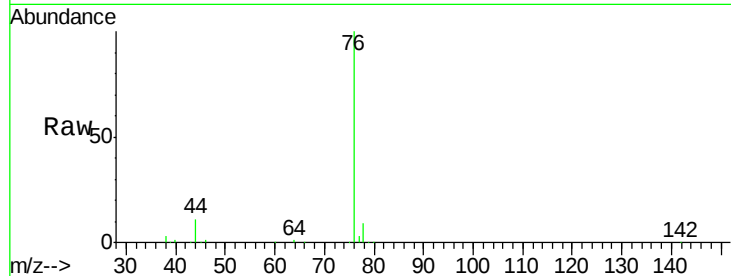




#17
Carbon Disulfide
Concen: 18.278 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

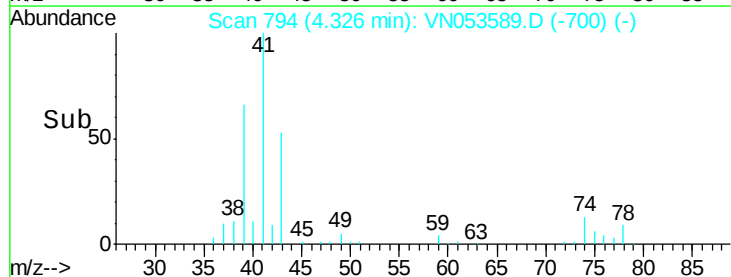
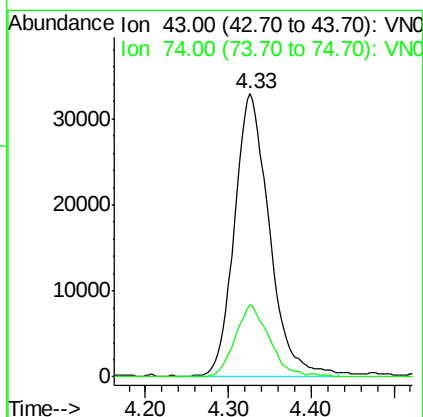
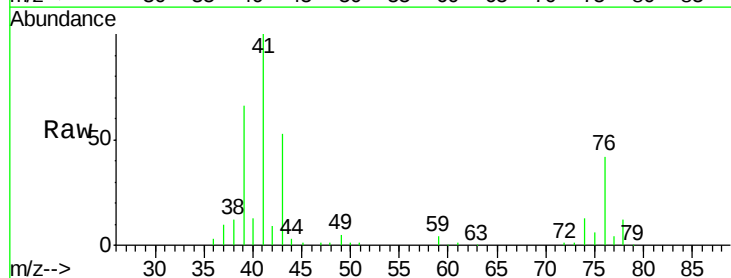
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

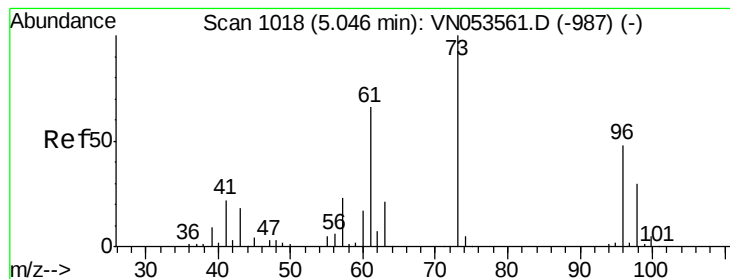
Tot Ion: 76 Resp: 361129
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 18.560 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 43 Resp: 96917
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 19.120 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

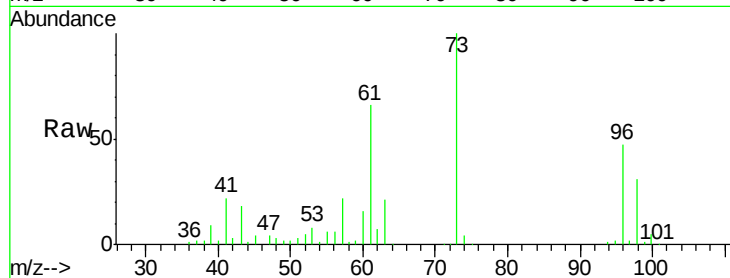
VN0204WBS01

Tot Ion: 73 Resp: 307561

Ion Ratio Lower Upper

73 100

57 22.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.05

80000

60000

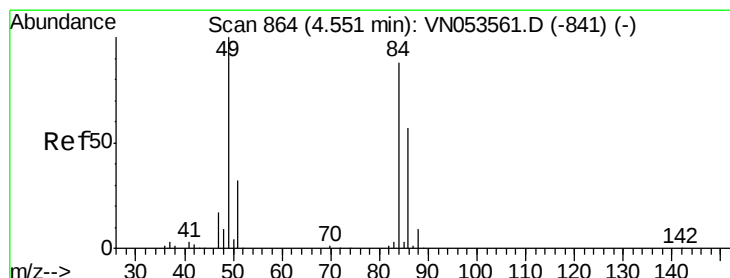
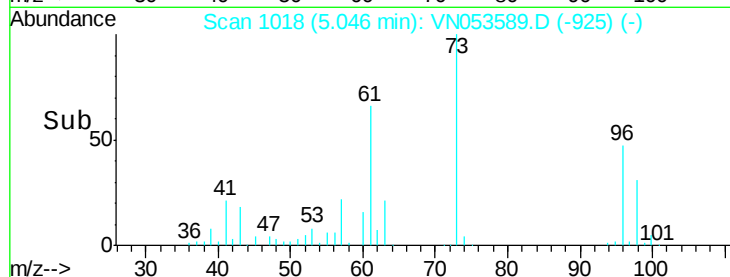
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.379 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion: 84 Resp: 135953

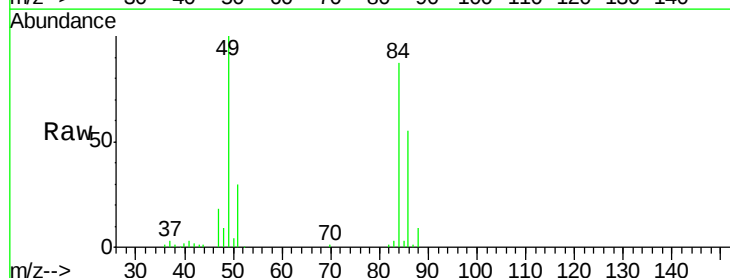
Ion Ratio Lower Upper

84 100

49 115.2 94.3 141.5

51 34.4 29.4 44.2

86 63.7 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

80000

60000

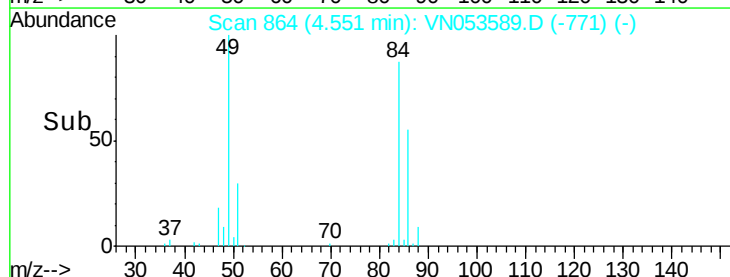
40000

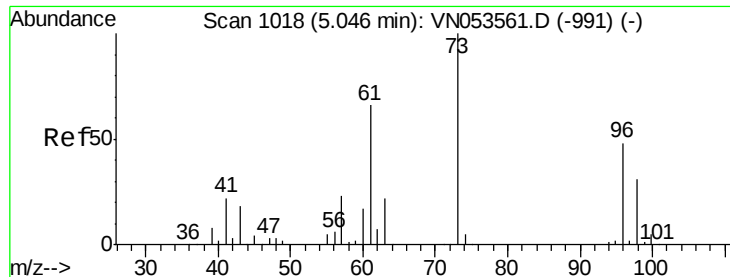
20000

0

Time-->

4.50 4.60

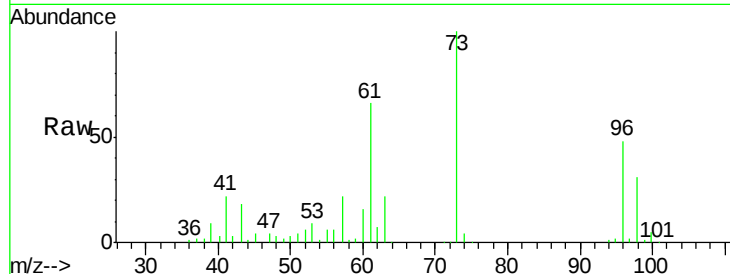




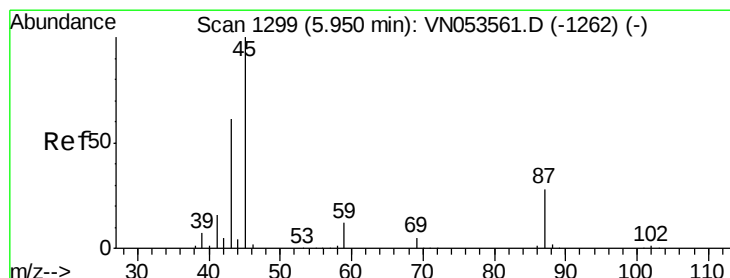
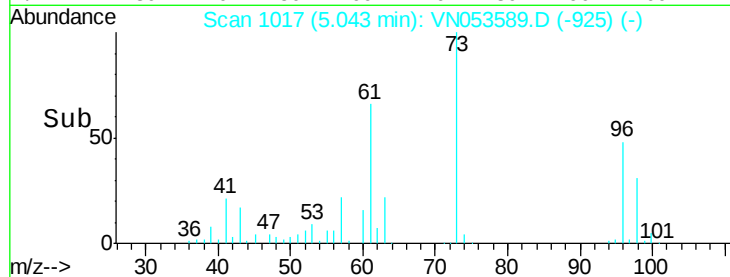
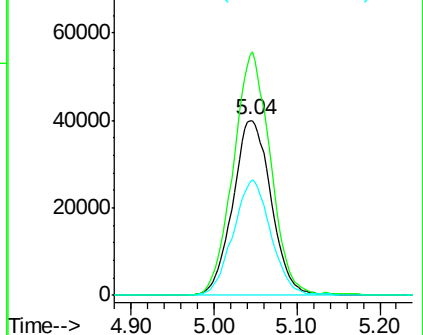
#21
trans-1,2-Dichloroethene
Concen: 18.759 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion: 96 Resp: 128419
Ion Ratio Lower Upper
96 100
61 137.7 110.1 165.1
98 64.6 50.0 75.0

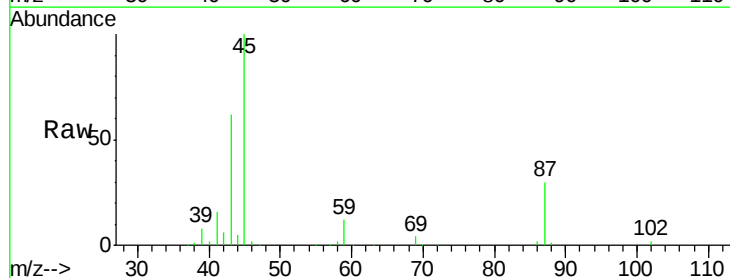


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

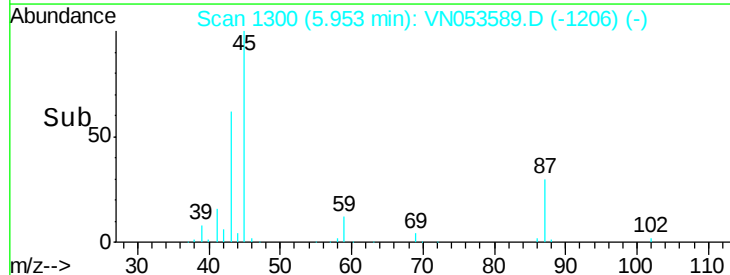
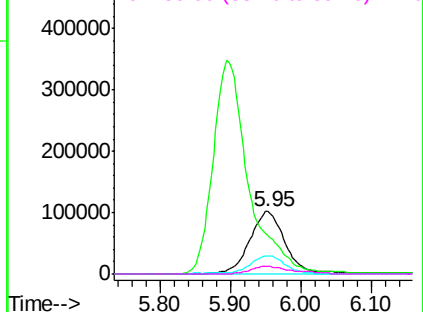


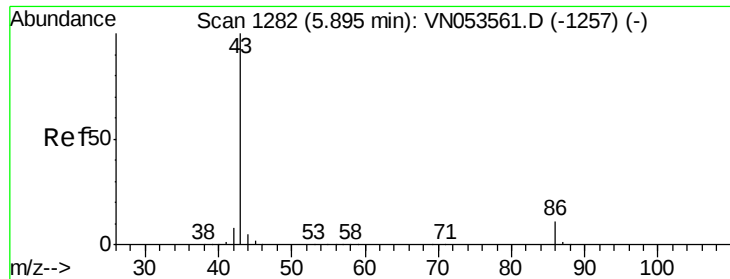
#22
Diisopropyl ether
Concen: 19.041 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 45 Resp: 356446
Ion Ratio Lower Upper
45 100
43 58.7 44.2 66.4
87 28.8 22.7 34.1
59 12.2 9.4 14.2



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

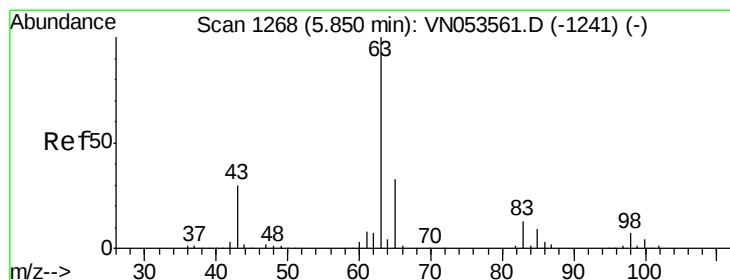
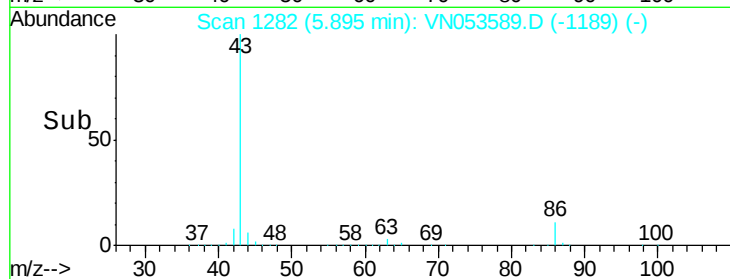
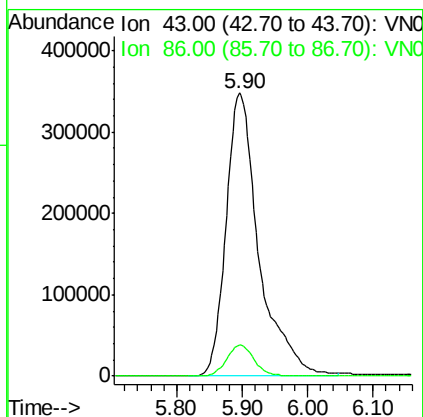
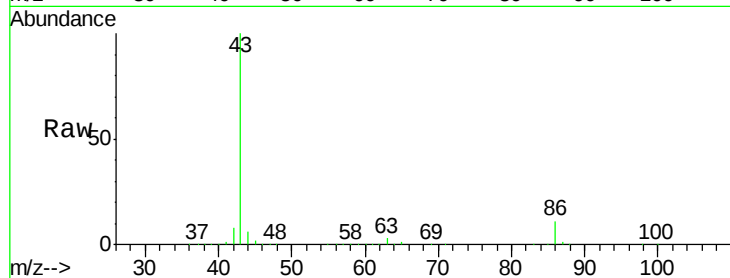




#23
 Vinyl Acetate
 Concen: 93.993 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

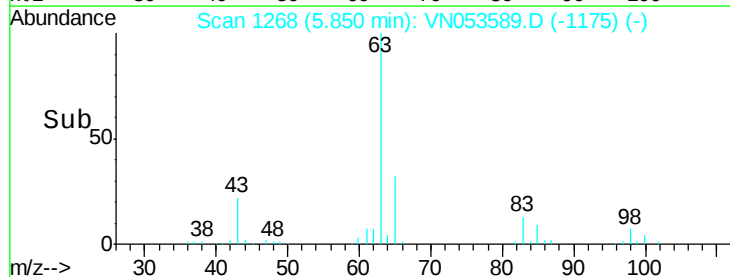
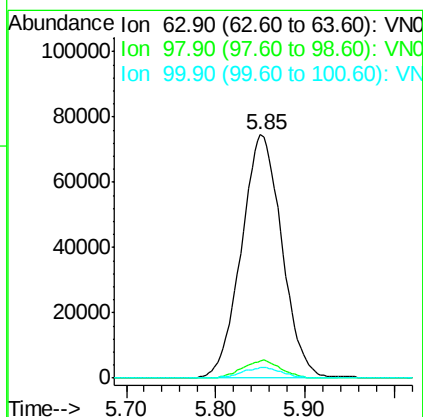
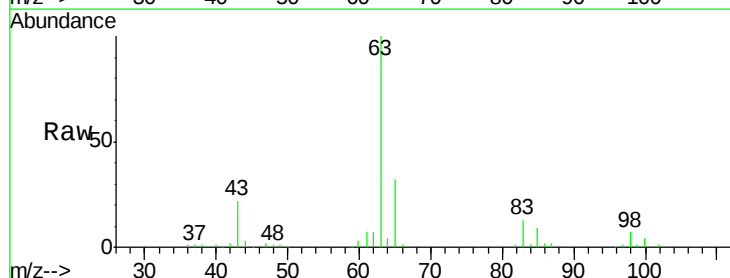
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

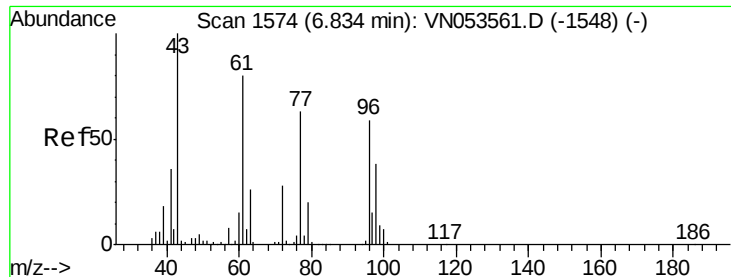
Tot Ion: 43 Resp: 1217232
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 18.892 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 63 Resp: 235881
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 91.891 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

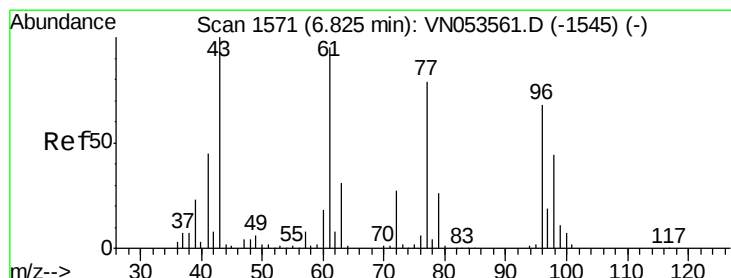
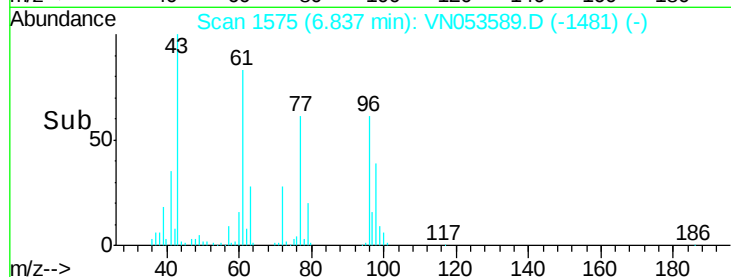
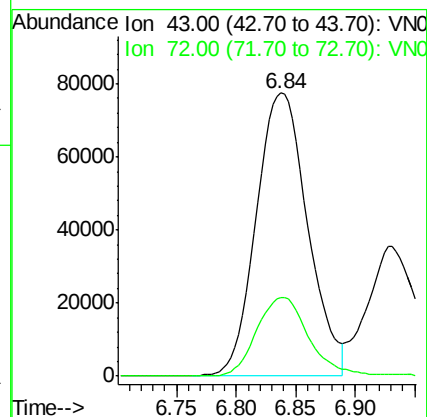
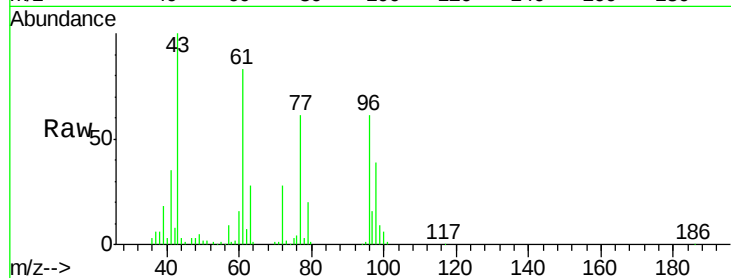
VN0204WBS01

Tot Ion: 43 Resp: 231079

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.078 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053589.D

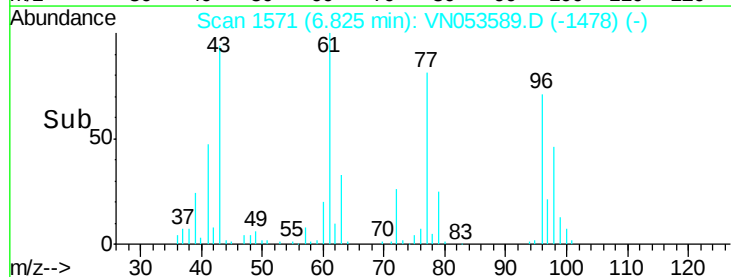
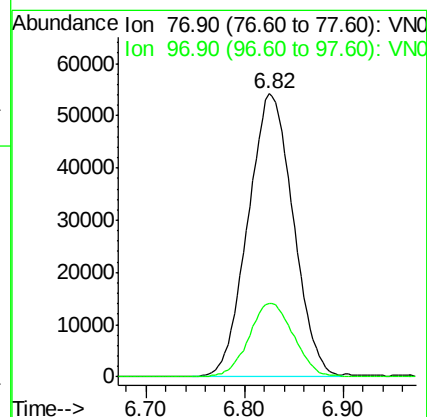
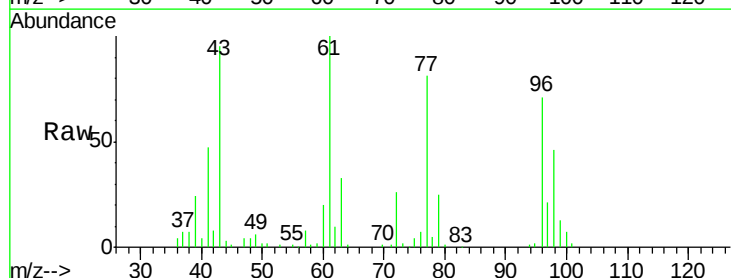
Acq: 4 Feb 2019 11:56

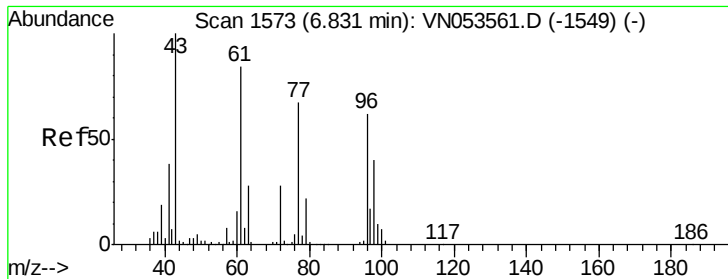
Tgt Ion: 77 Resp: 172313

Ion Ratio Lower Upper

77 100

97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.160 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

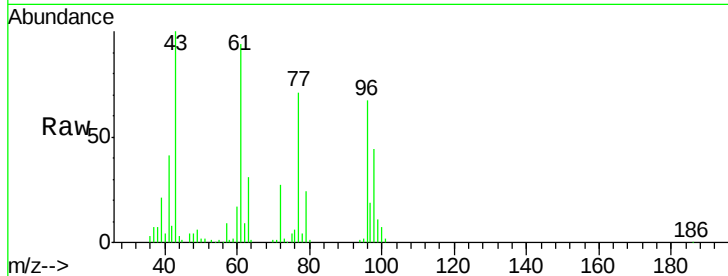
Tot Ion: 96 Resp: 145846

Ion Ratio Lower Upper

96 100

61 139.7 0.0 283.8

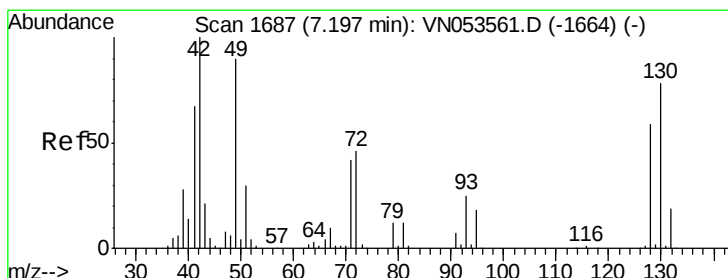
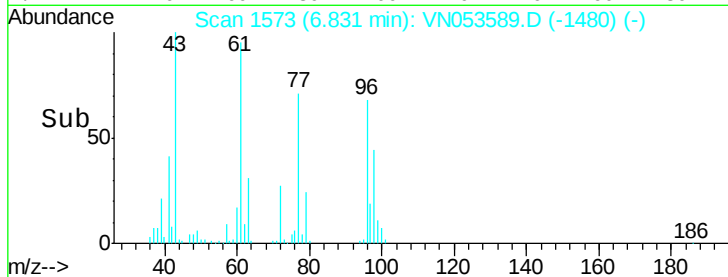
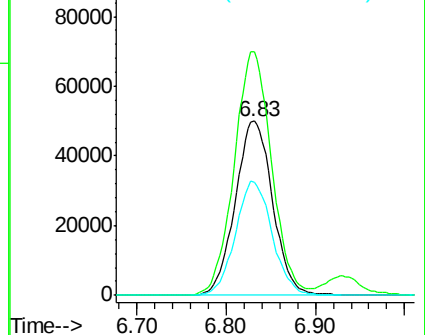
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.383 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

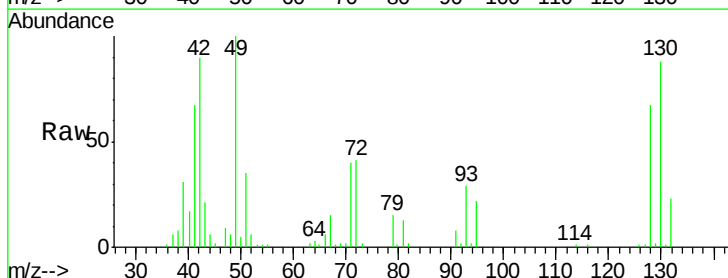
Tgt Ion: 49 Resp: 110443

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

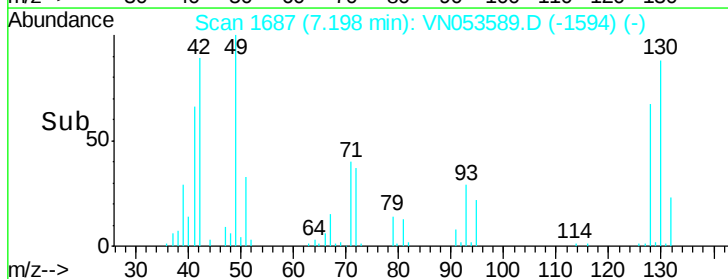
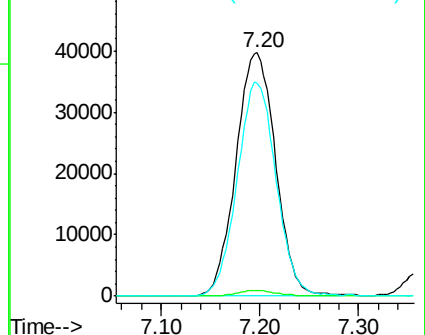
130 86.5 66.3 99.5

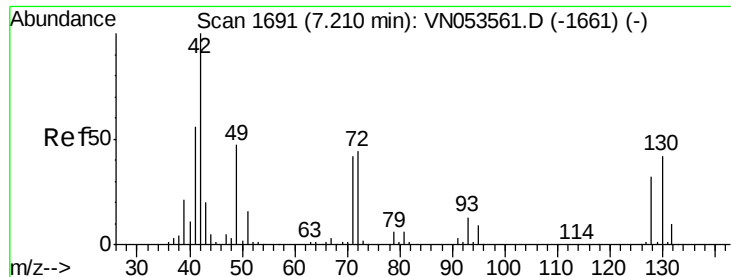


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

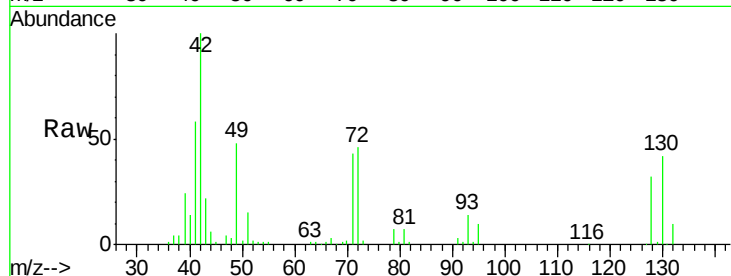




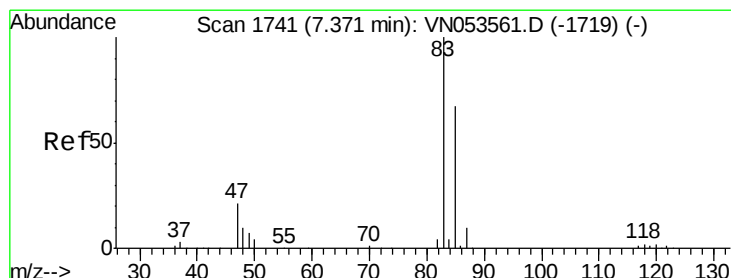
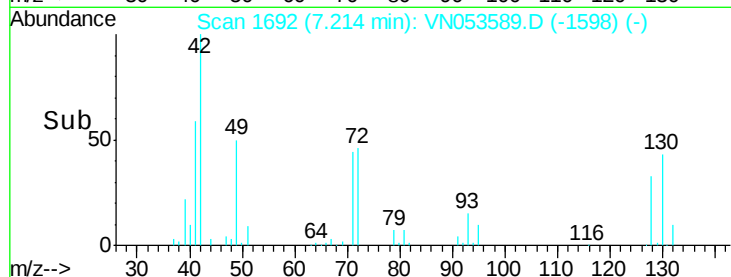
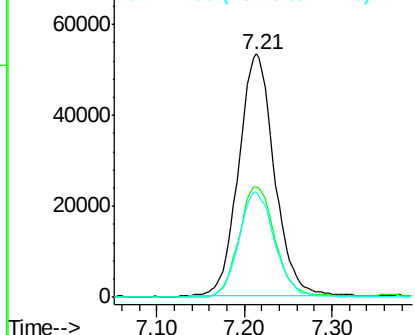
#29
Tetrahydrofuran
Concen: 93.670 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 42 Resp: 151255
Ion Ratio Lower Upper
42 100
72 46.0 35.2 52.8
71 43.6 33.0 49.4

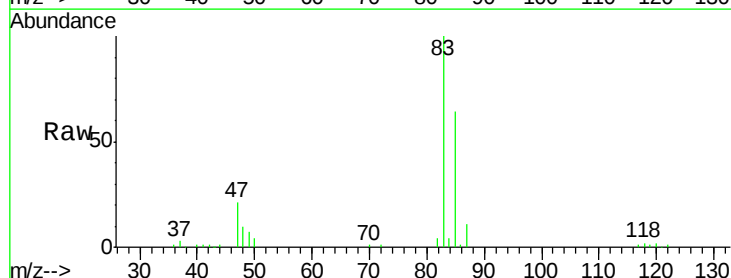


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

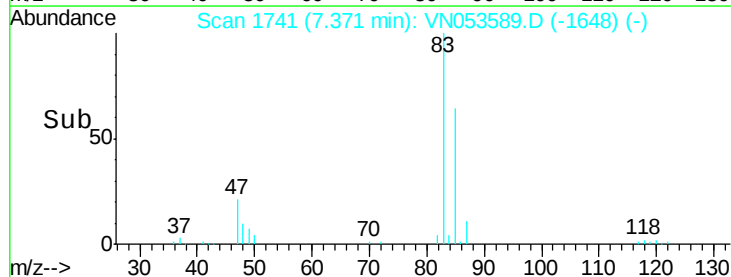
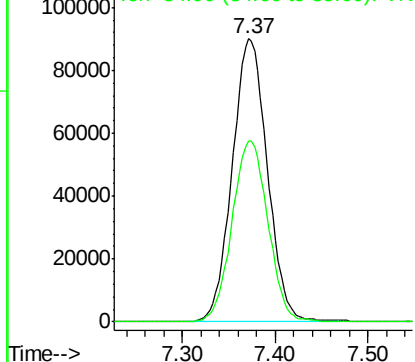


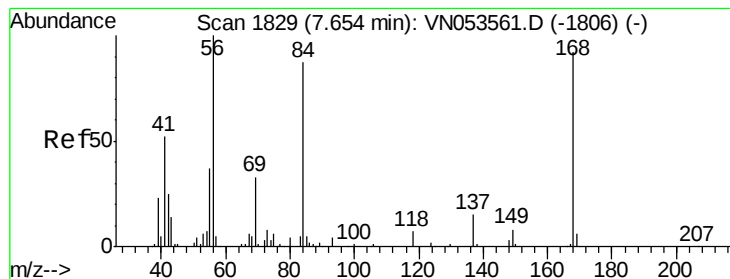
#30
Chloroform
Concen: 19.130 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 83 Resp: 236780
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.498 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

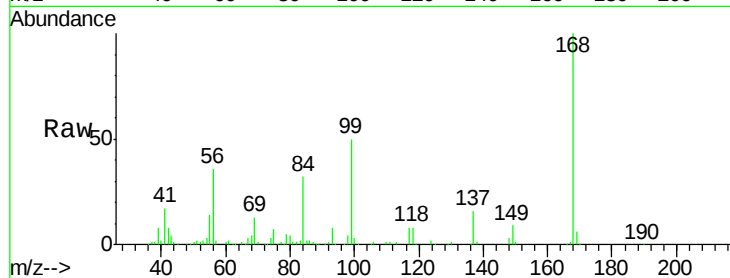
Tot Ion: 56 Resp: 216279

Ion Ratio Lower Upper

56 100

69 36.0 26.4 39.6

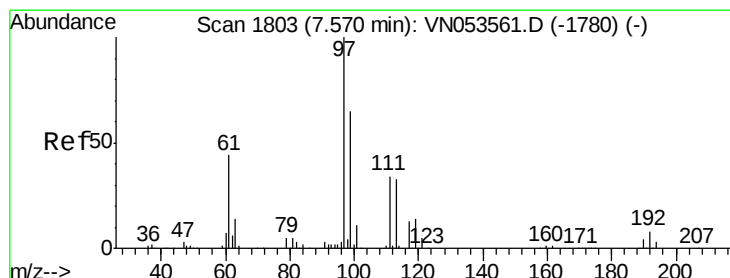
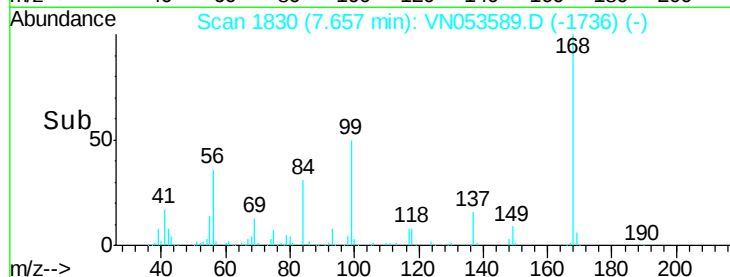
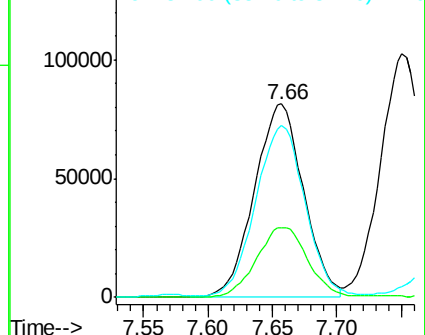
84 87.7 67.9 101.9



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: 19.194 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

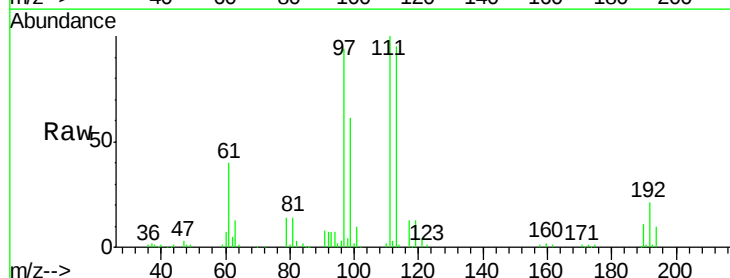
Tgt Ion: 97 Resp: 197705

Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

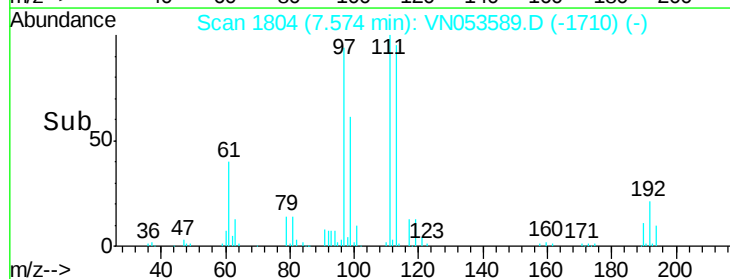
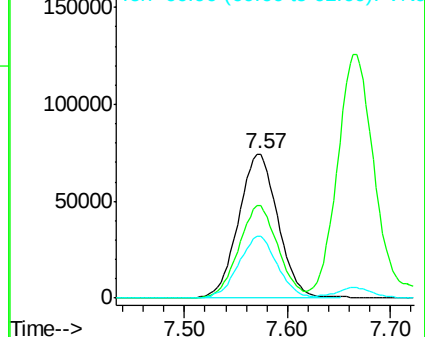
61 42.1 34.4 51.6

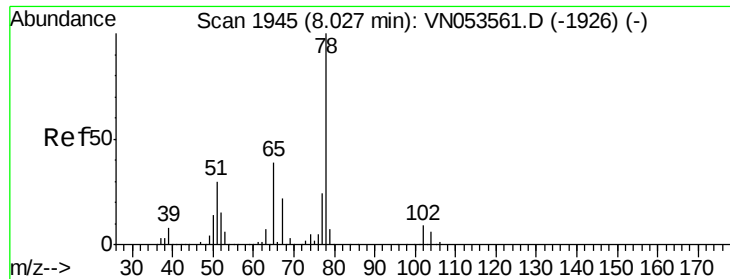


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.194 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

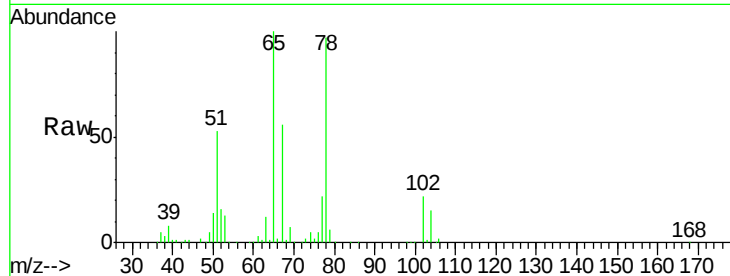
VN0204WBS01

Tot Ion: 65 Resp: 336954

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053589.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053589.D (-1852) (-)

8.03

150000

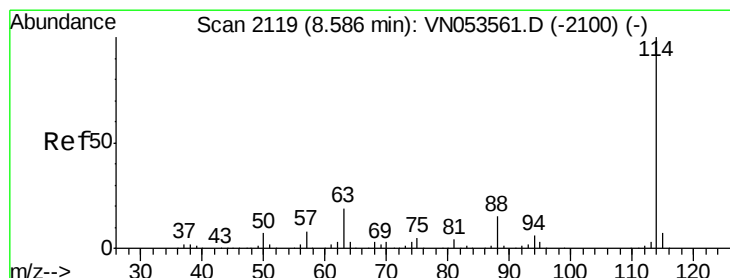
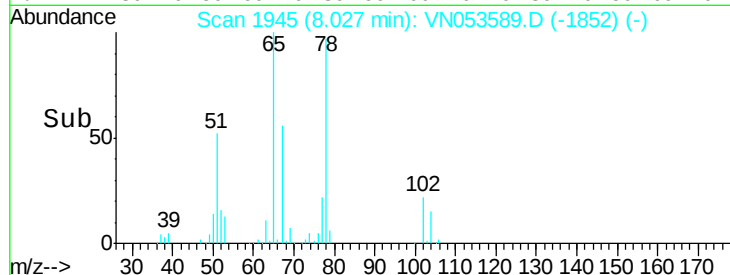
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

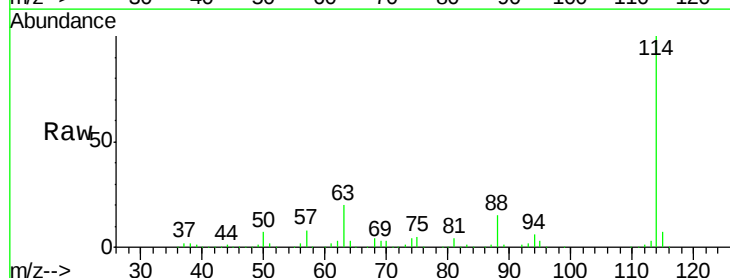
Tgt Ion: 114 Resp: 1024769

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053589.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053589.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053589.D (-2026) (-)

8.59

600000

500000

400000

300000

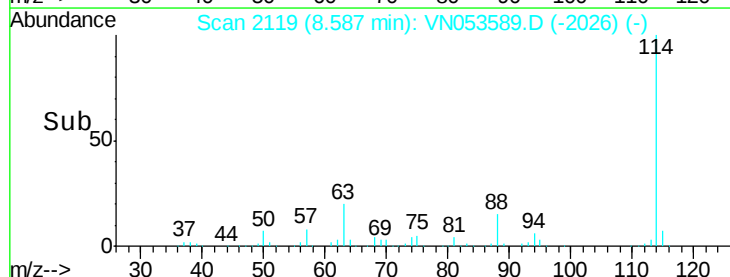
200000

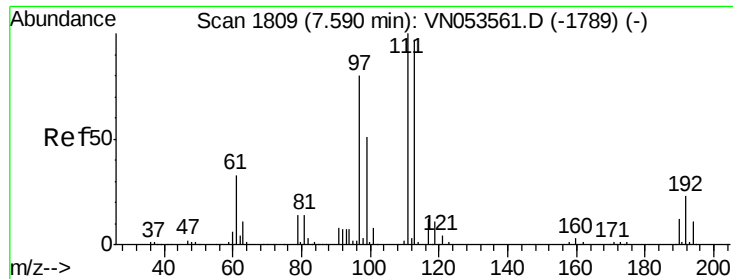
100000

0

8.40 8.50 8.60 8.70 8.80

Time-->

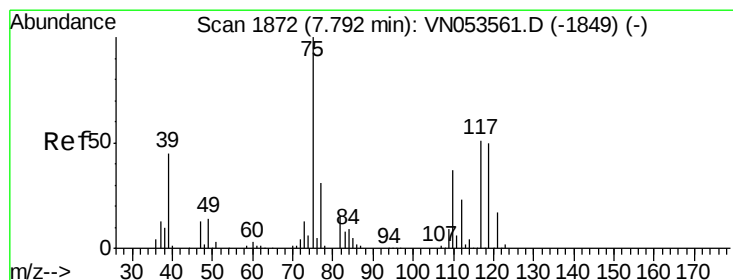
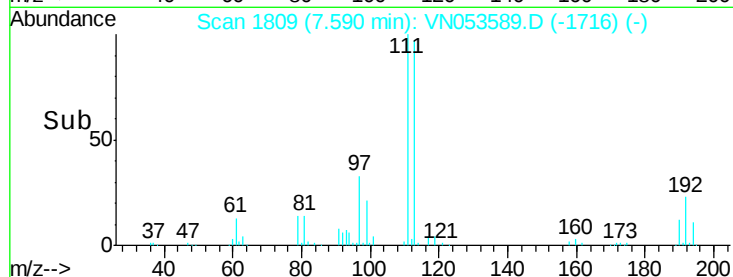
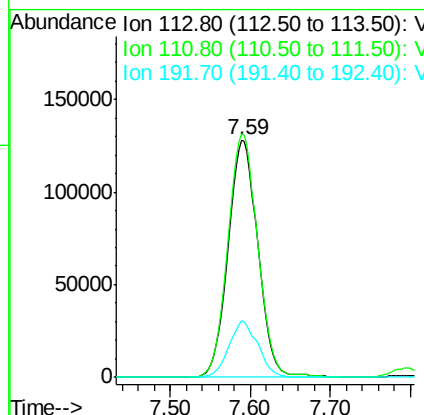
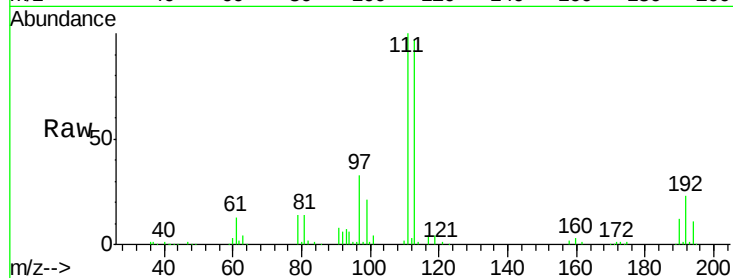




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

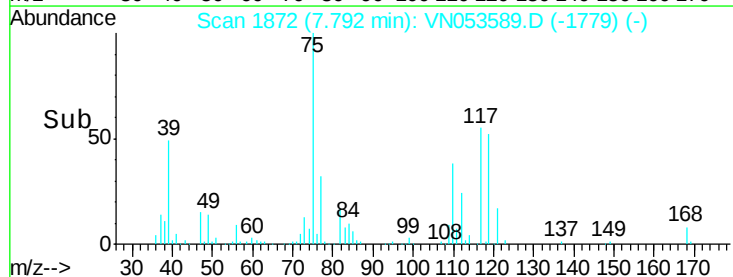
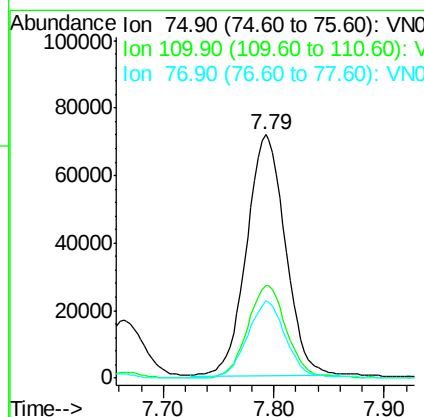
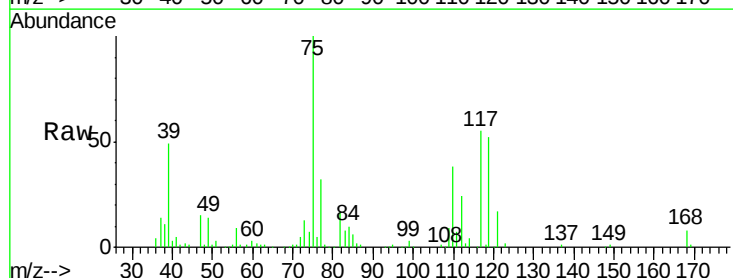
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

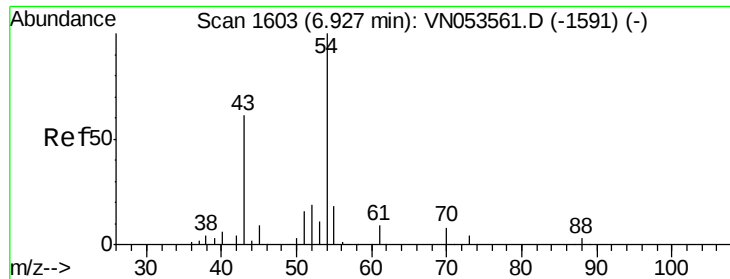
Tot Ion:113 Resp: 324047
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 18.816 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 75 Resp: 173818
 Ion Ratio Lower Upper
 75 100
 110 38.8 18.1 54.3
 77 30.7 25.1 37.7

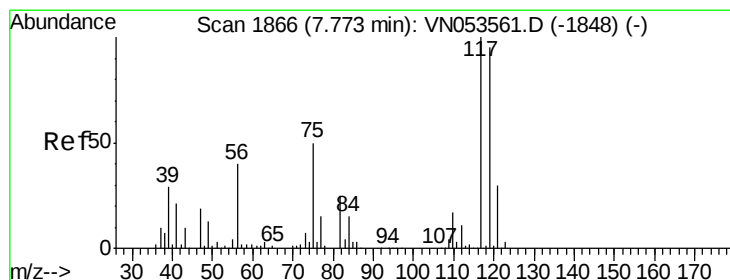
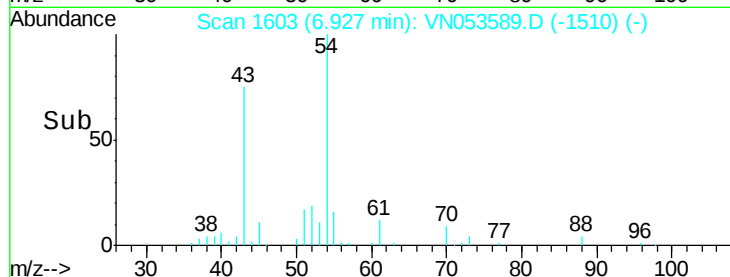
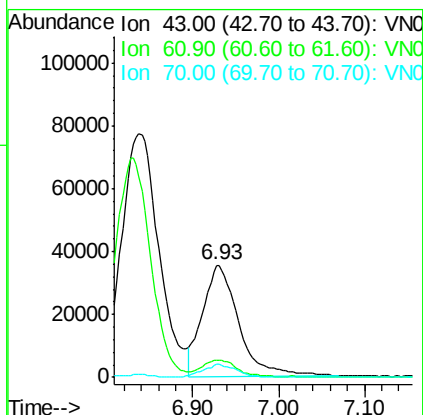
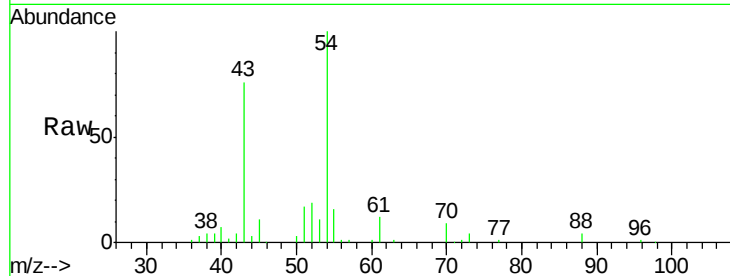




#37
Ethyl Acetate
Concen: 20.074 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

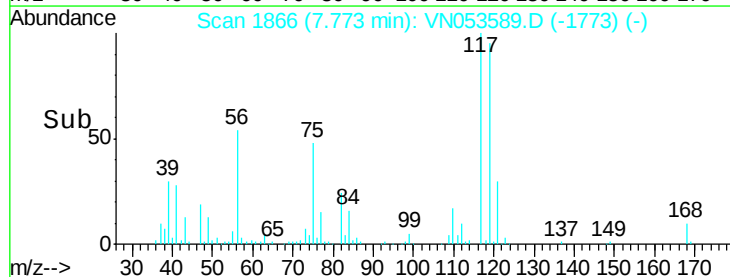
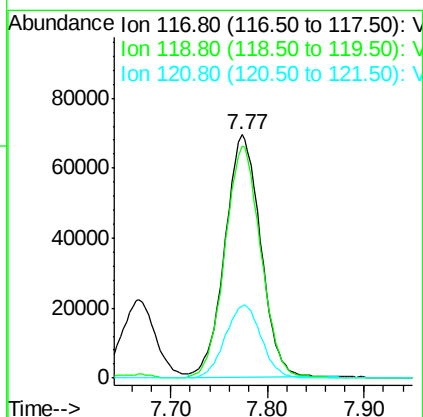
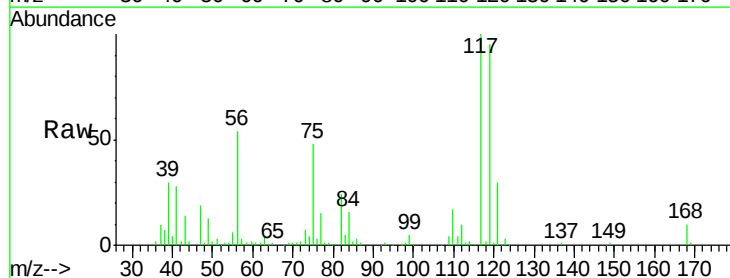
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

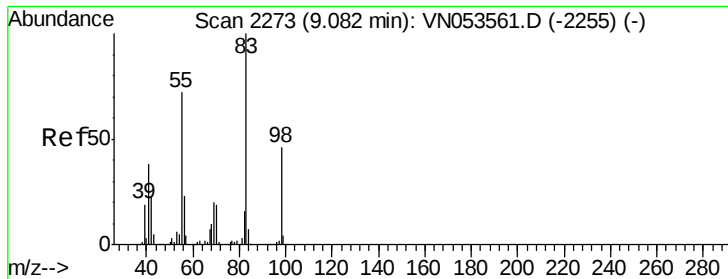
Tot Ion: 43 Resp: 103566
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.074 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 117 Resp: 177501
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8
121 29.9 24.6 37.0

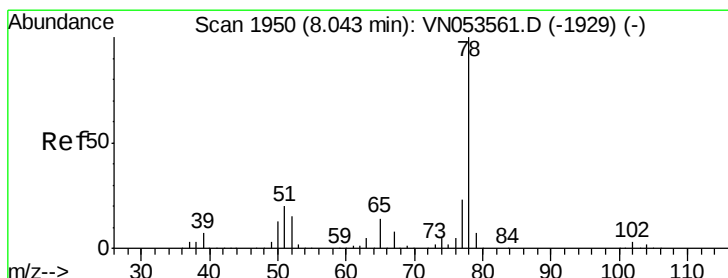
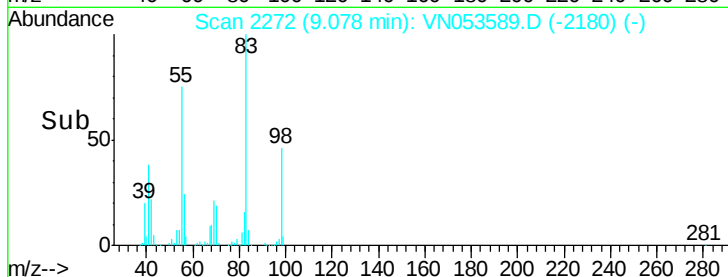
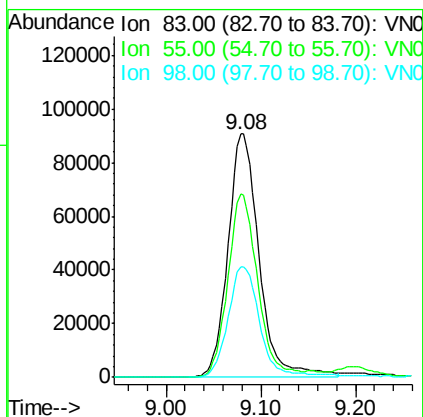
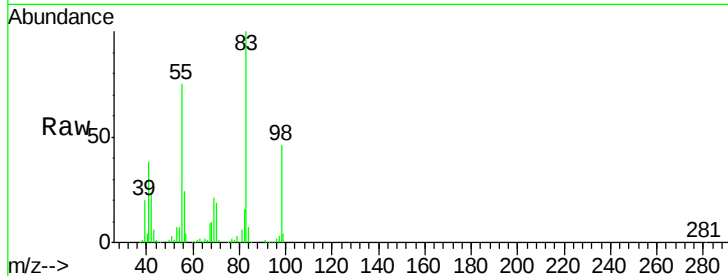




#39
Methvlcvclohexane
Concen: 18.990 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

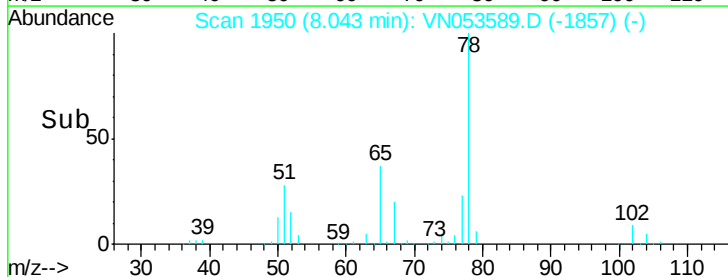
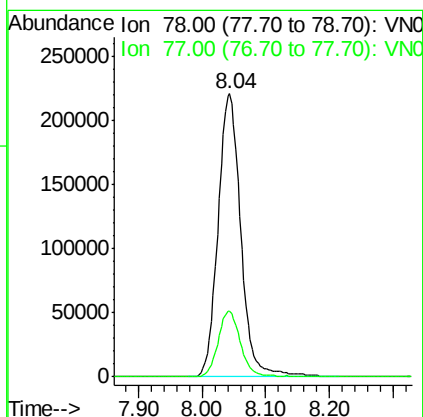
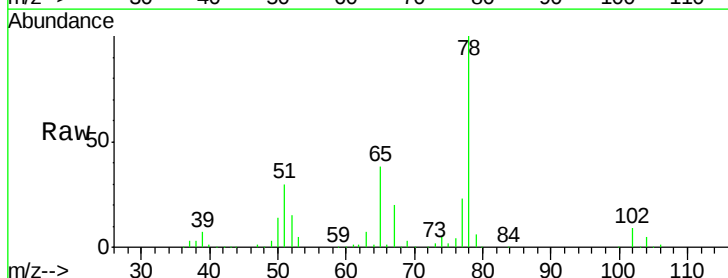
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

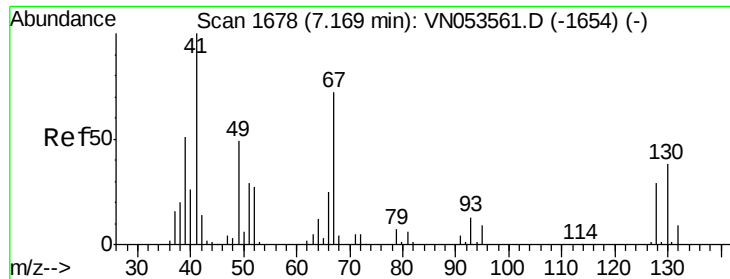
Tot Ion: 83 Resp: 208125
Ion Ratio Lower Upper
83 100
55 75.2 60.1 90.1
98 45.6 36.6 55.0



#40
Benzene
Concen: 19.244 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 78 Resp: 548195
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

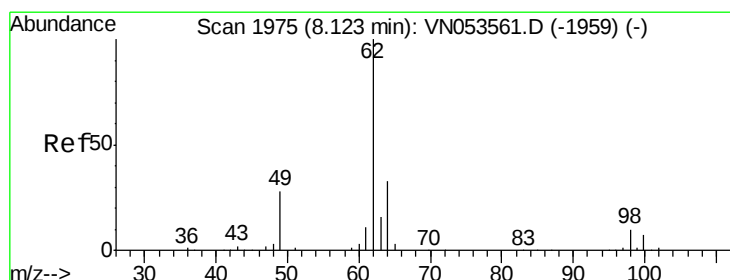
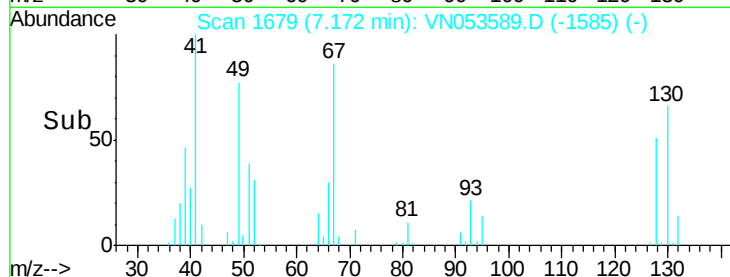
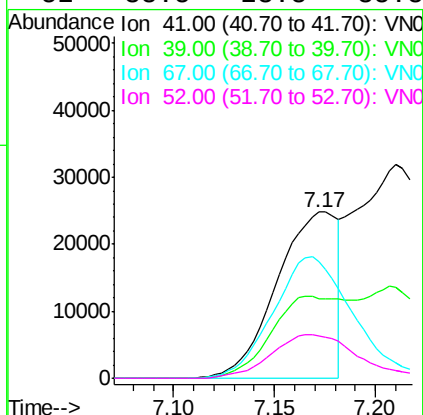
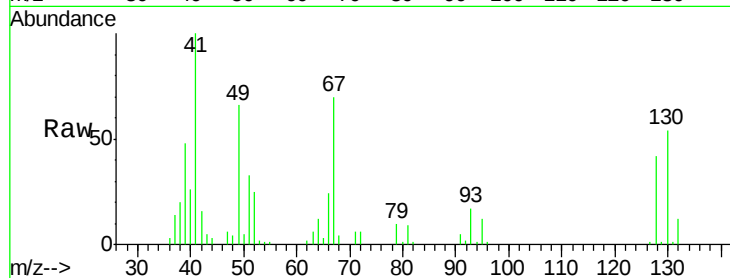




#41
Methacrylonitrile
Concen: 17.889 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

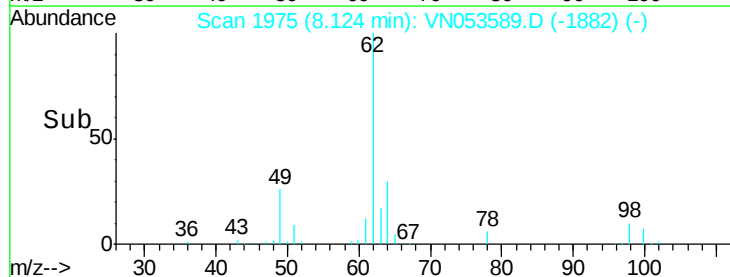
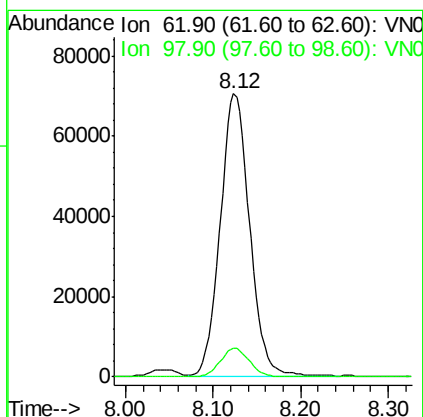
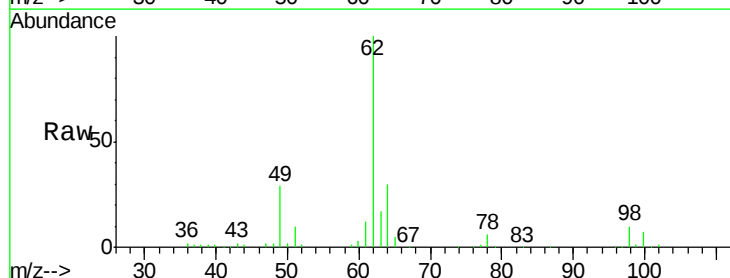
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

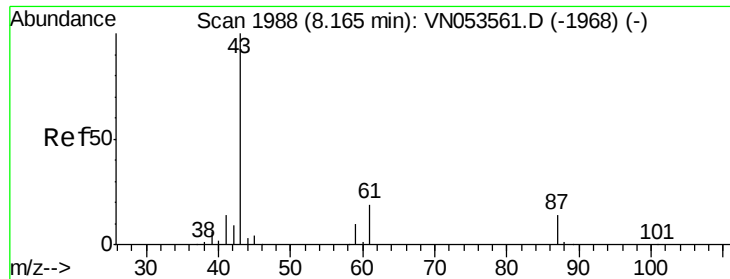
Tot Ion: 41 Resp: 51582
Ion Ratio Lower Upper
41 100
39 61.2 46.8 70.2
67 97.7 63.0 94.6#
52 38.5 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.401 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 62 Resp: 164099
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 18.590 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

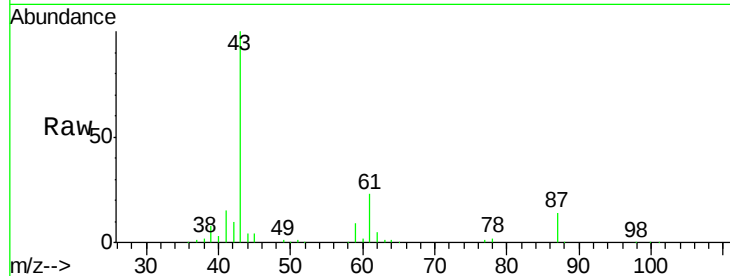
Tot Ion: 43 Resp: 185220

Ion Ratio Lower Upper

43 100

61 20.4 23.9 35.9#

87 13.3 11.0 16.6

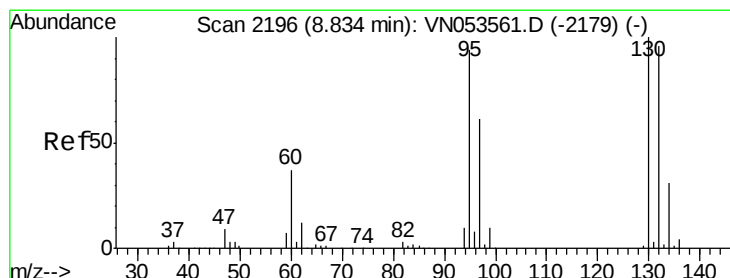
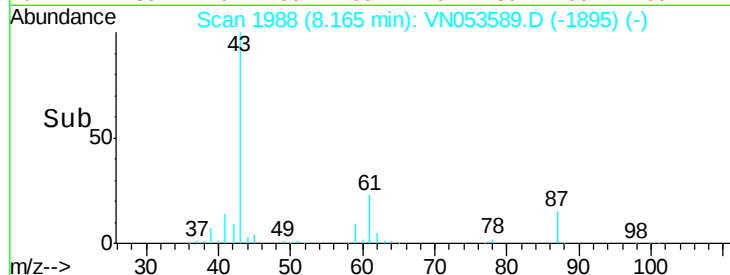


Abundance Ion 43.00 (42.70 to 43.70): VN053589.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053589.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053589.D (-1895) (-)

Time-->



#44

Trichloroethene

Concen: 18.328 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053589.D

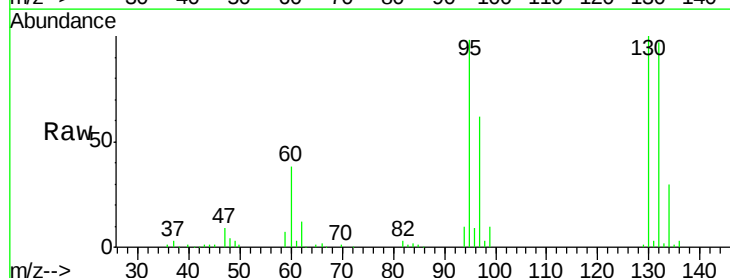
Acq: 4 Feb 2019 11:56

Tgt Ion: 130 Resp: 148638

Ion Ratio Lower Upper

130 100

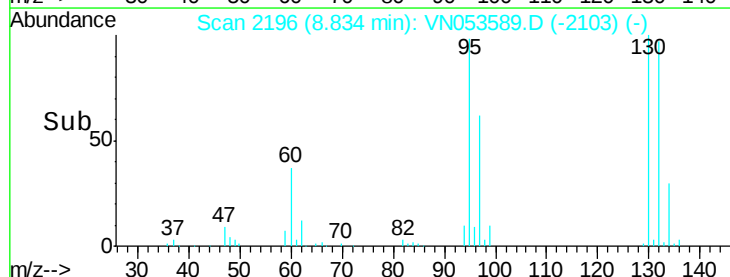
95 97.6 0.0 191.4

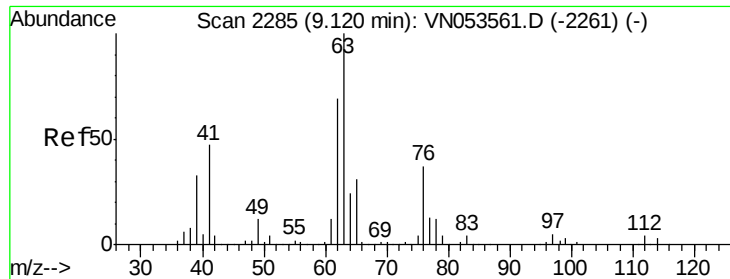


Abundance Ion 129.80 (129.50 to 130.50): VN053589.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053589.D (-2103) (-)

Time-->

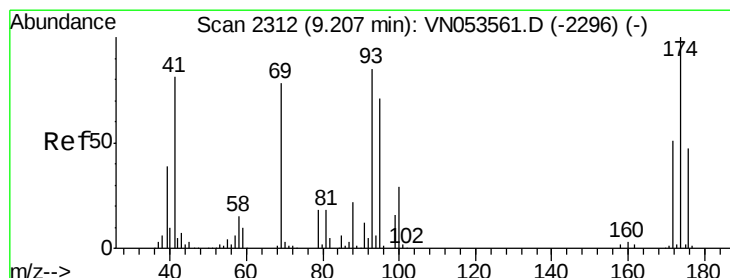
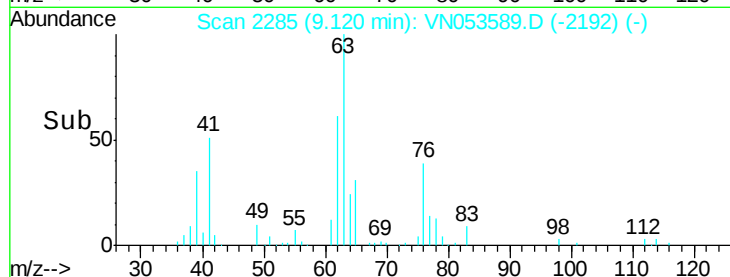
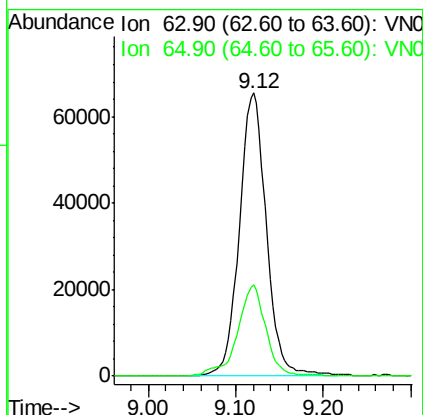
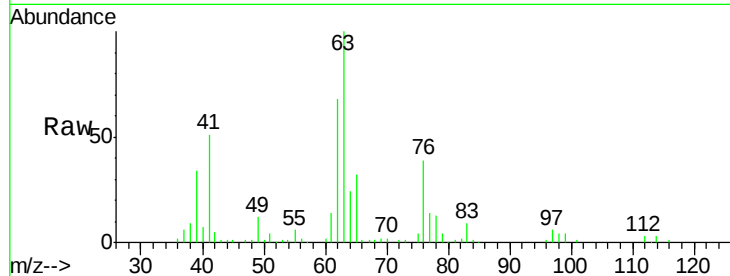




#45
 1,2-Dichloropropane
 Concen: 19.331 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

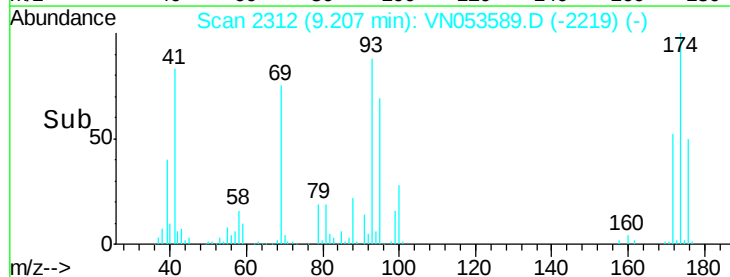
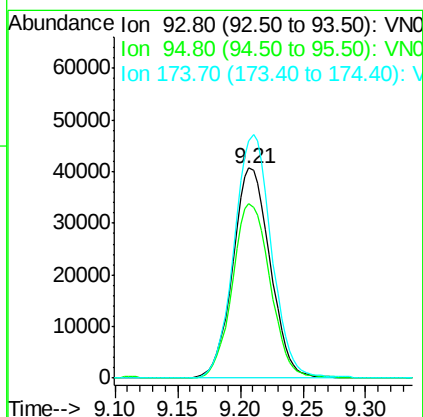
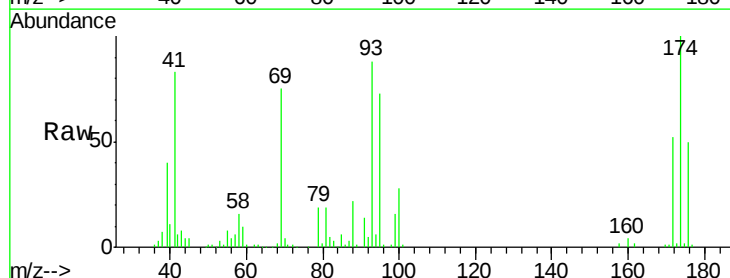
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

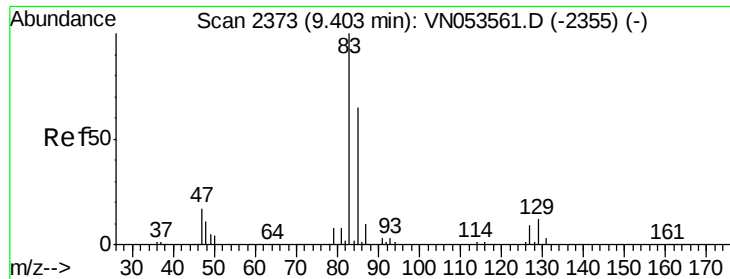
Tot Ion: 63 Resp: 140846
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4



#46
 Dibromomethane
 Concen: 19.180 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 93 Resp: 84242
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.3 100.9
 174 115.9 91.0 136.4

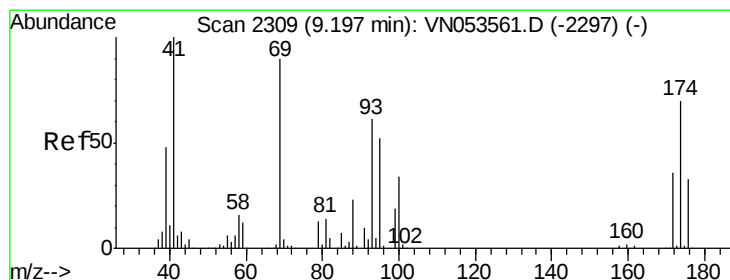
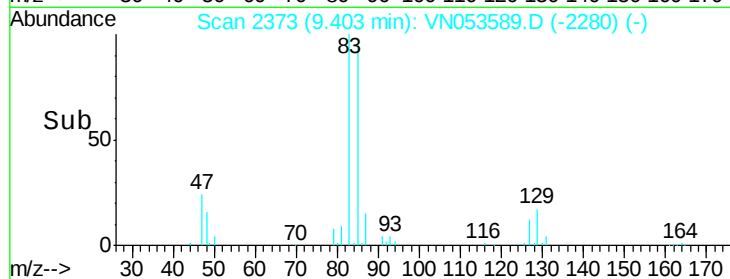
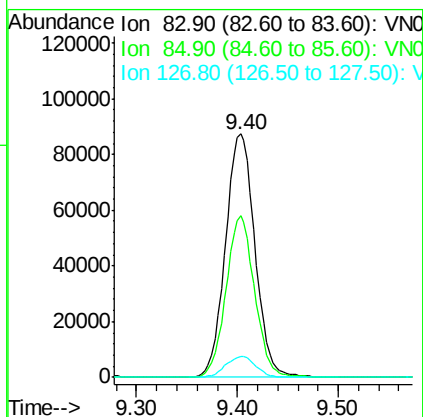
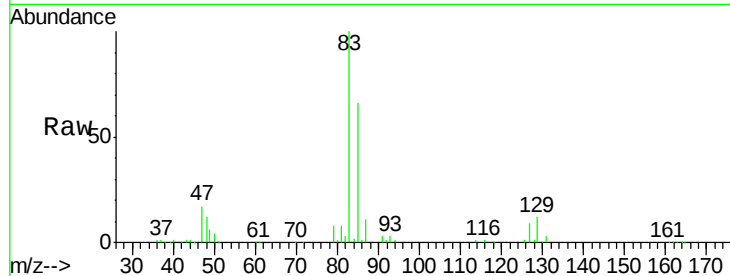




#47
Bromodichloromethane
Concen: 19.510 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

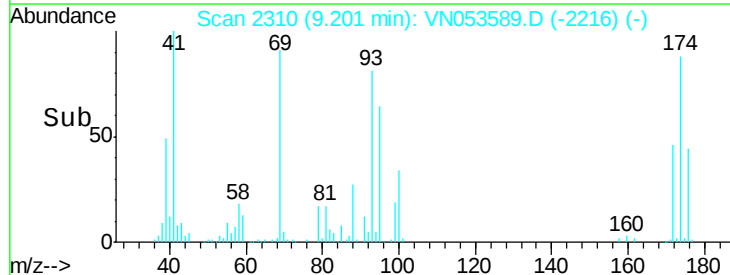
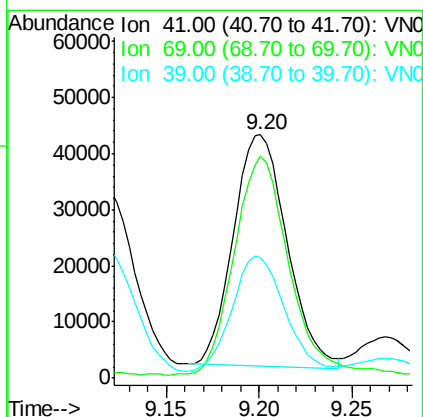
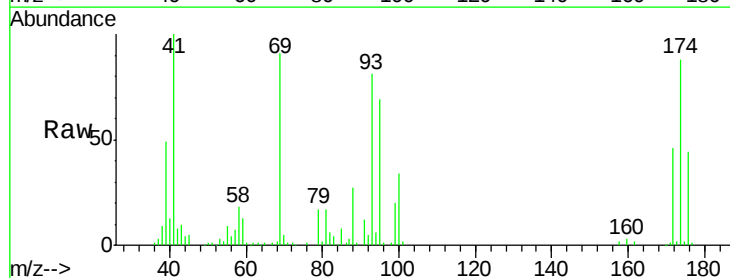
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

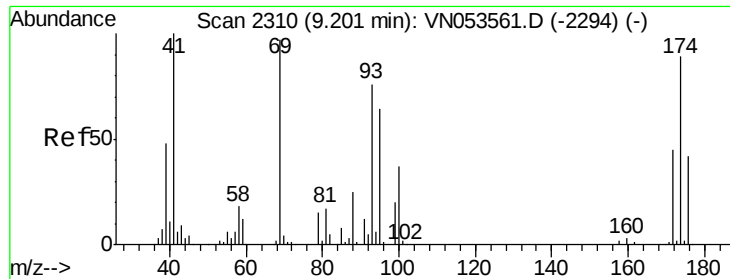
Tot Ion: 83 Resp: 178166
Ion Ratio Lower Upper
83 100
85 66.3 51.0 76.6
127 8.7 7.0 10.6



#48
Methyl methacrylate
Concen: 17.551 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 41 Resp: 83476
Ion Ratio Lower Upper
41 100
69 100.2 73.8 110.6
39 53.7 40.0 60.0





#49

1,4-Dioxane

Concen: 401.635 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

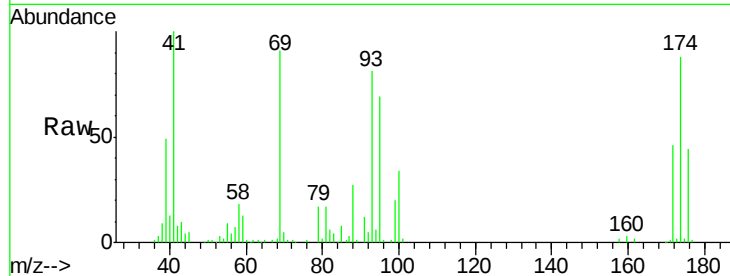
Tot Ion: 88 Resp: 26001

Ion Ratio Lower Upper

88 100

43 30.6 27.8 41.6

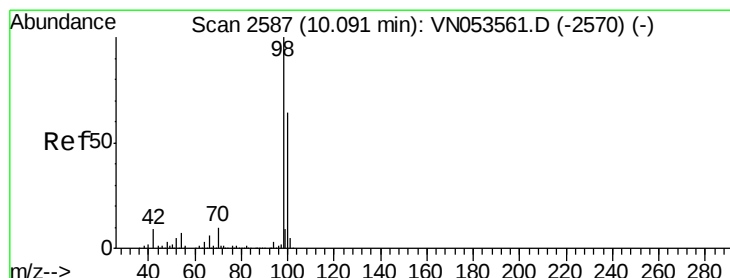
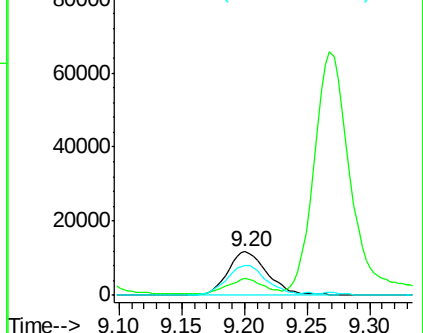
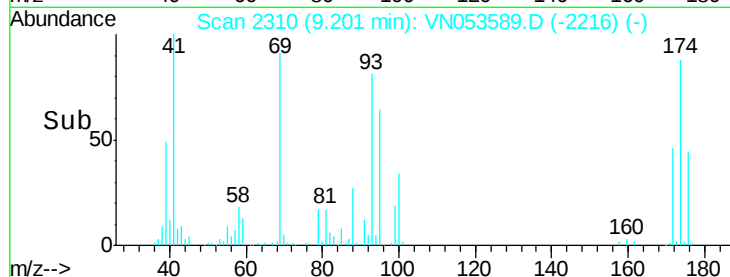
58 68.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053589.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053589.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053589.D (-2216) (-)



#50

Toluene-d8

Concen: 401.635 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053589.D

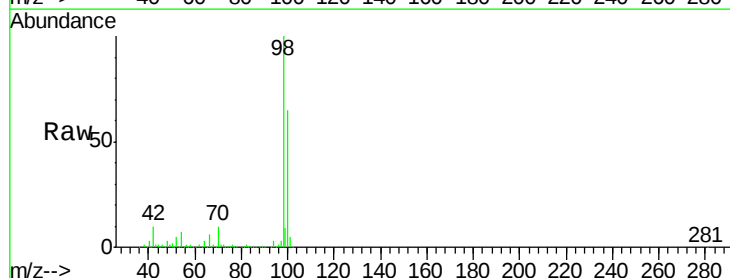
Acq: 4 Feb 2019 11:56

Tgt Ion: 98 Resp: 1192311

Ion Ratio Lower Upper

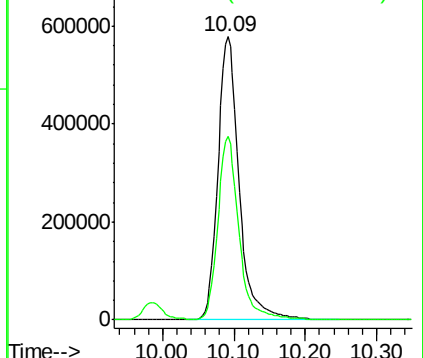
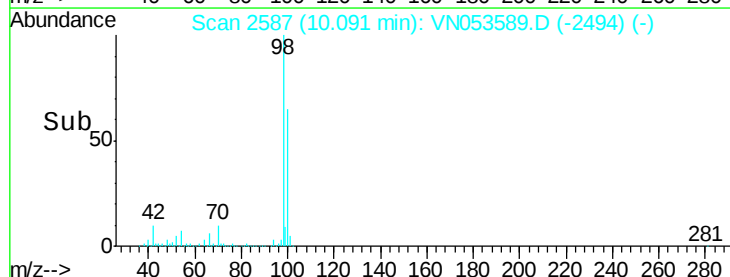
98 100

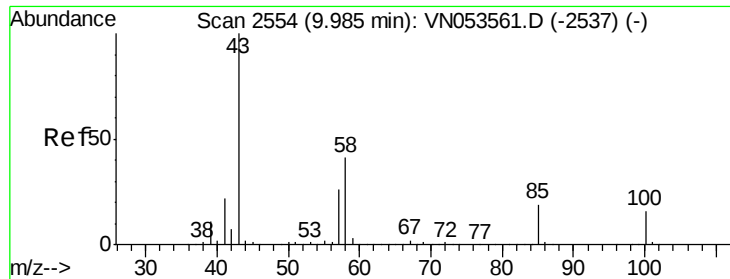
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053589.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053589.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.957 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

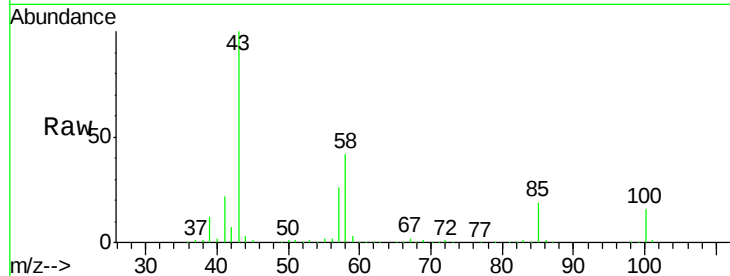
VN0204WBS01

Tot Ion: 43 Resp: 479613

Ion Ratio Lower Upper

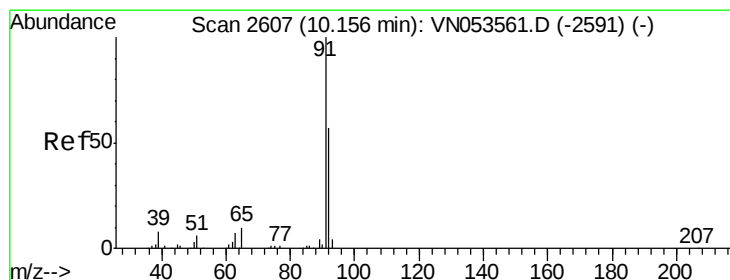
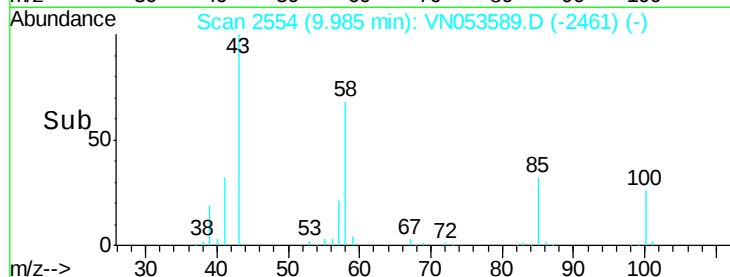
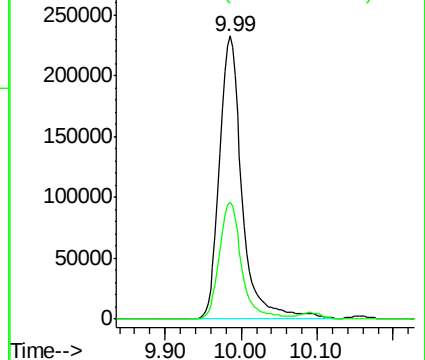
43 100

58 40.7 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.793 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053589.D

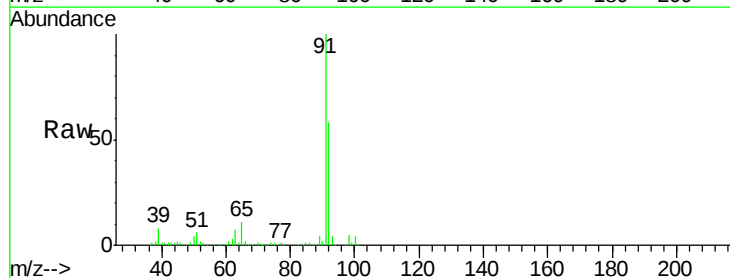
Acq: 4 Feb 2019 11:56

Tgt Ion: 92 Resp: 334640

Ion Ratio Lower Upper

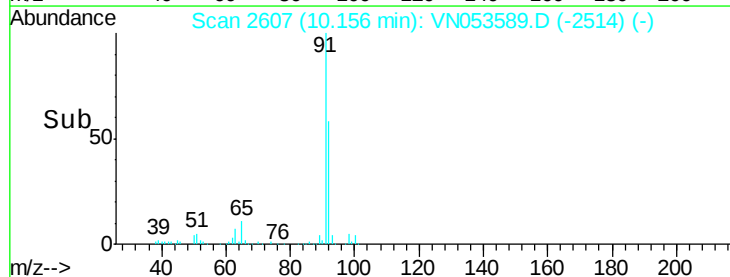
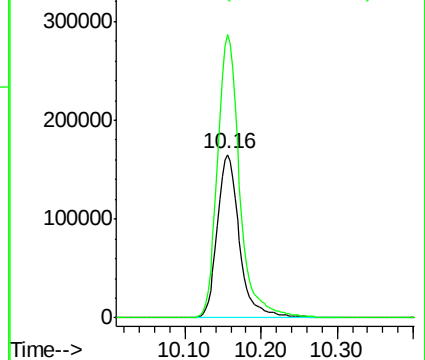
92 100

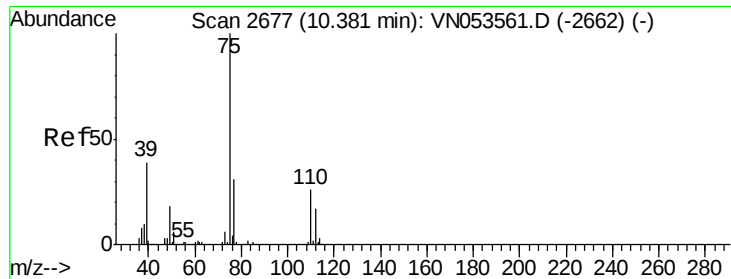
91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.566 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

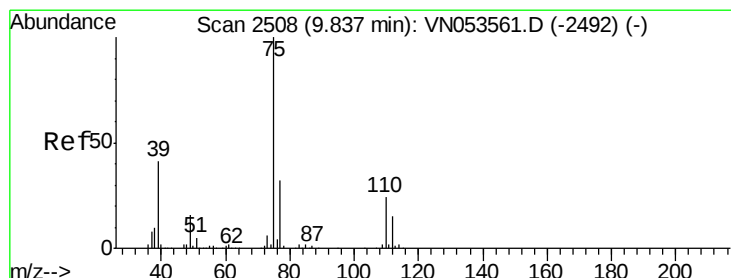
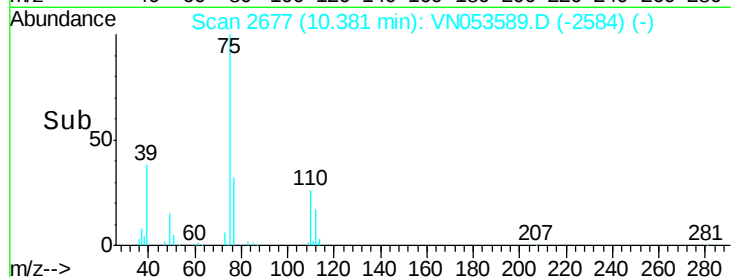
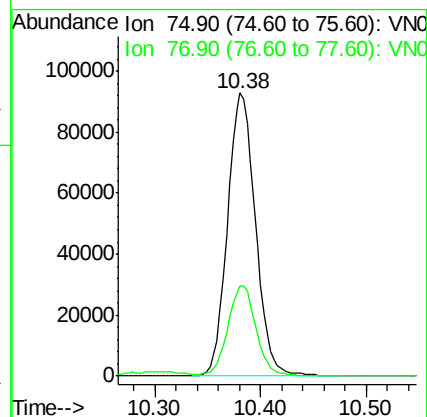
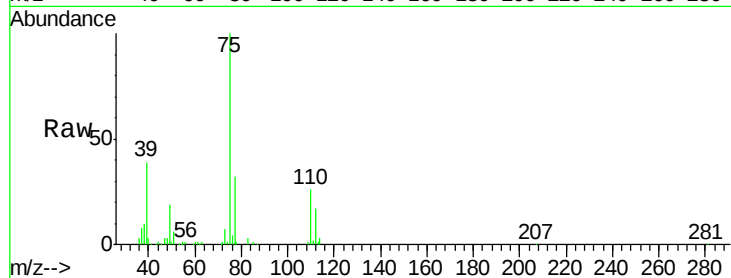
VN0204WBS01

Tot Ion: 75 Resp: 169775

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.855 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

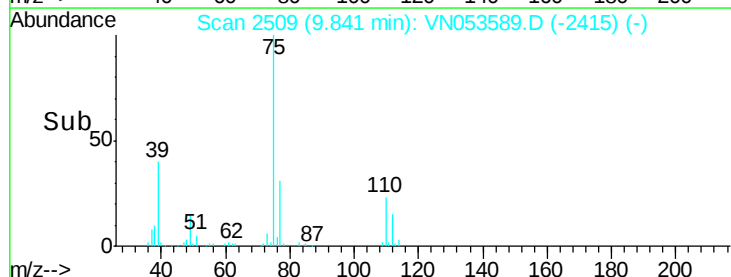
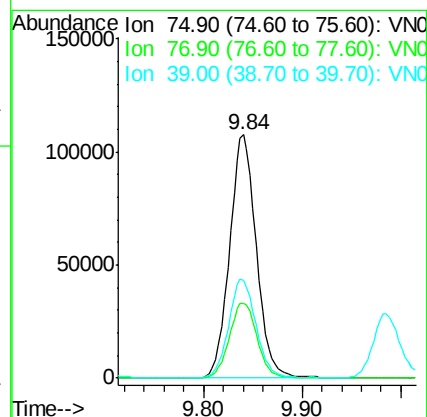
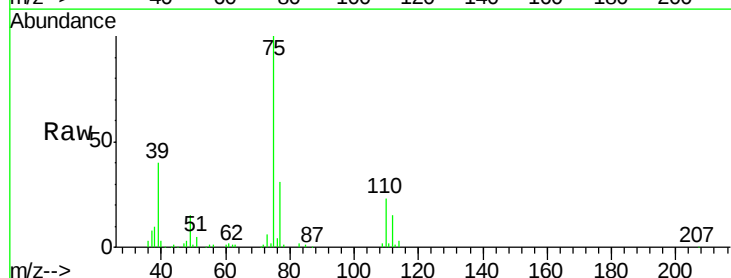
Tgt Ion: 75 Resp: 204321

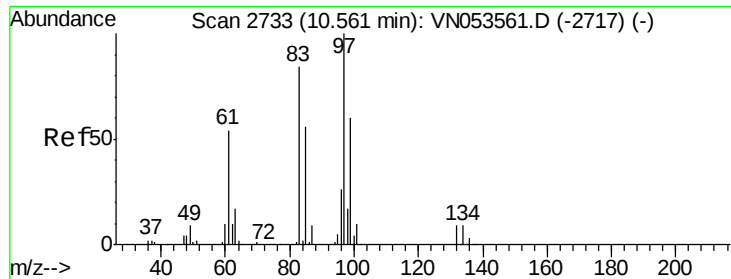
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 40.3 33.4 50.0

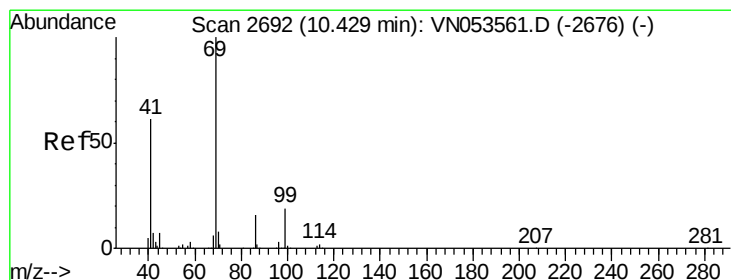
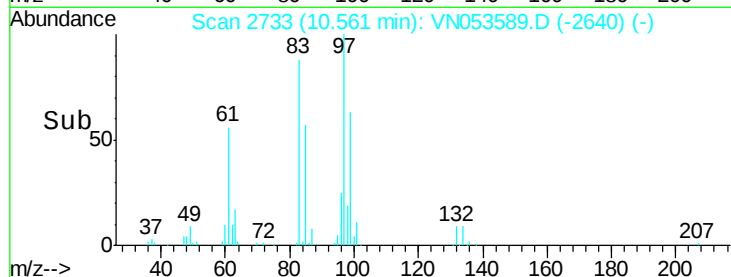
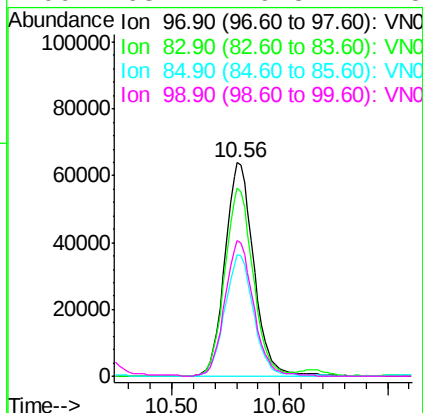
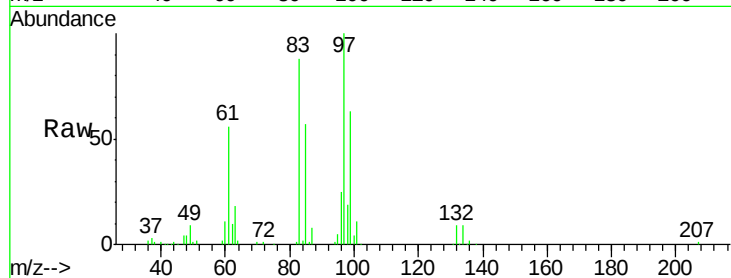




#55
 1,1,2-Trichloroethane
 Concen: 19.596 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

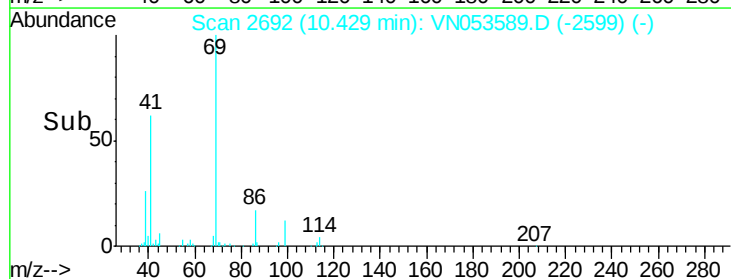
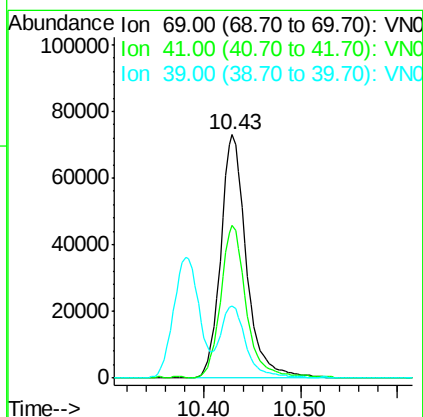
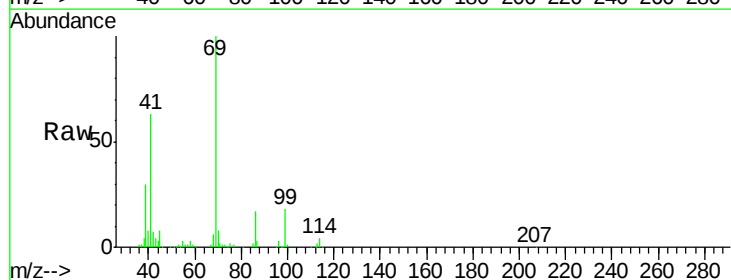
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

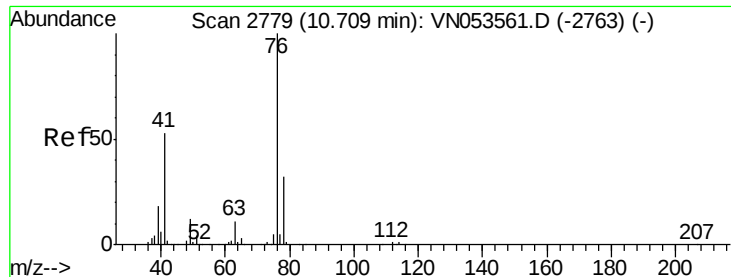
Tot Ion: 97 Resp: 119385
 Ion Ratio Lower Upper
 97 100
 83 87.9 70.1 105.1
 85 56.7 45.4 68.0
 99 63.4 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 18.665 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 69 Resp: 134517
 Ion Ratio Lower Upper
 69 100
 41 62.1 49.4 74.0
 39 29.9 23.3 34.9

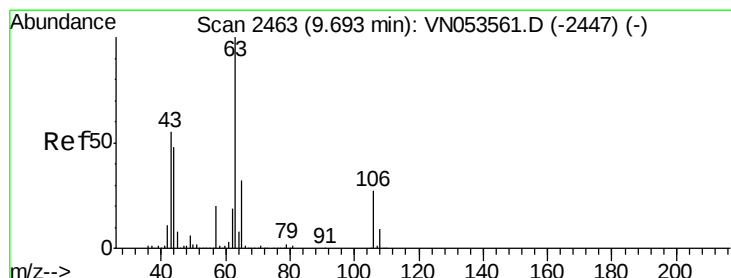
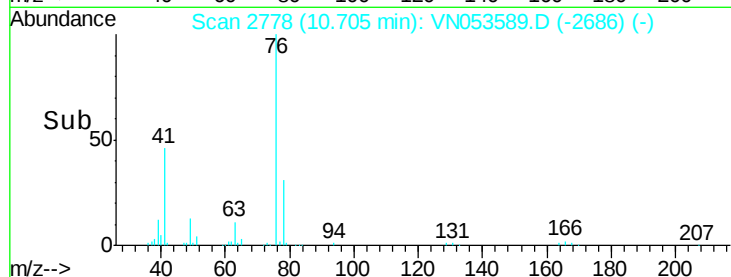
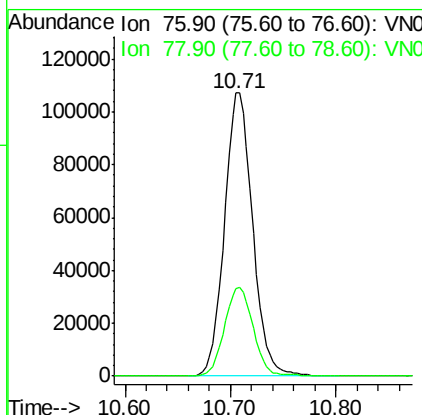
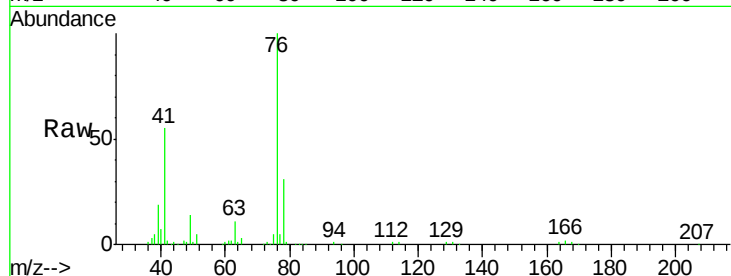




#57
 1,3-Dichloropropane
 Concen: 18.969 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

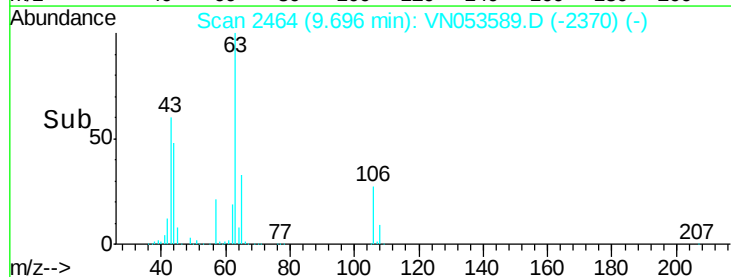
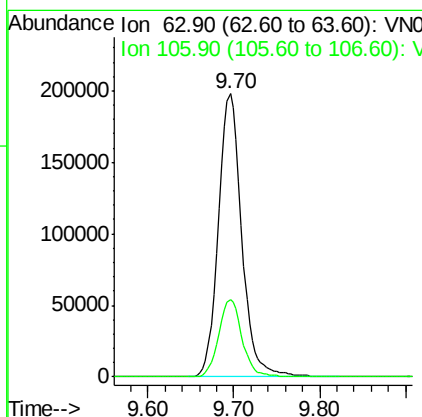
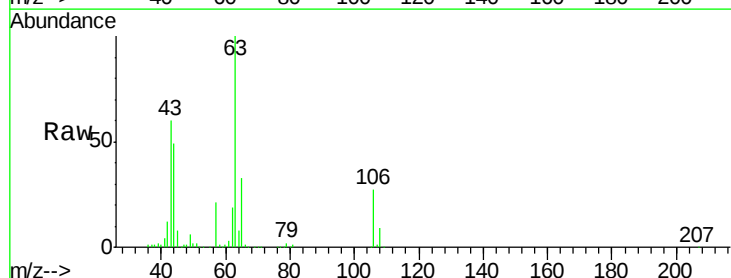
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

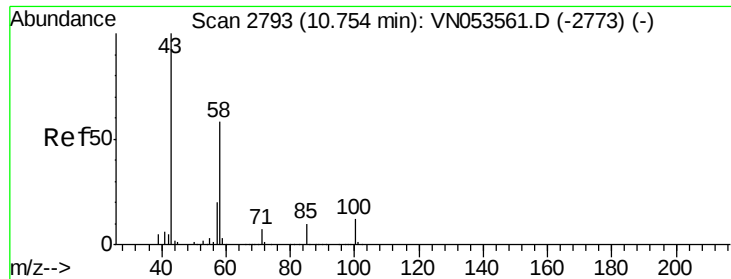
Tot Ion: 76 Resp: 197504
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.313 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 63 Resp: 375423
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.5 32.3

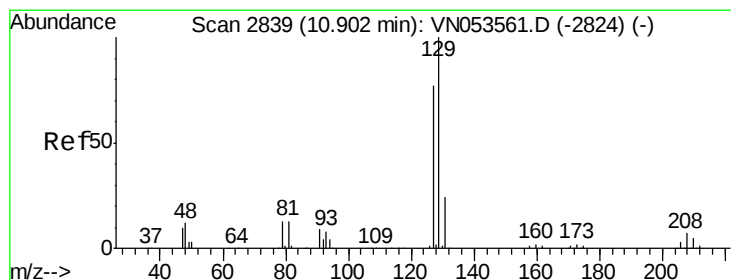
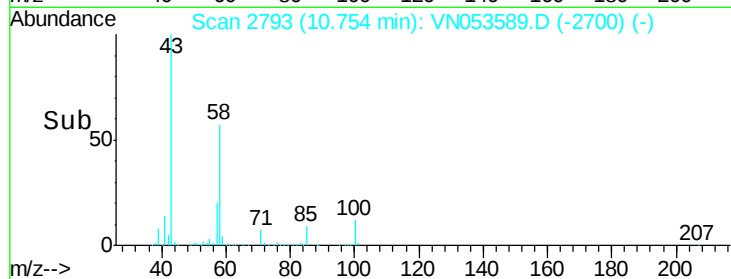
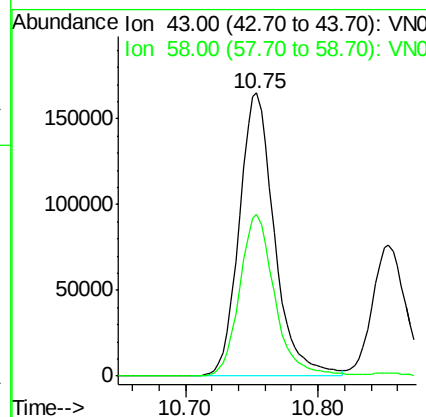
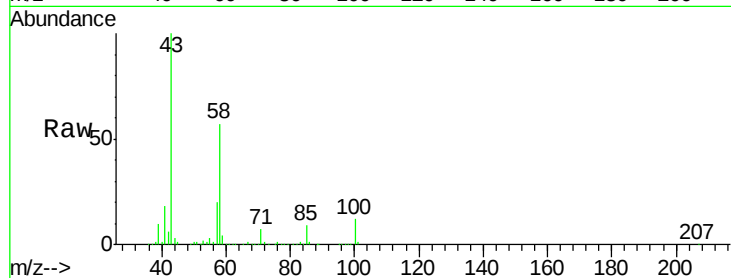




#59
2-Hexanone
Concen: 91.402 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

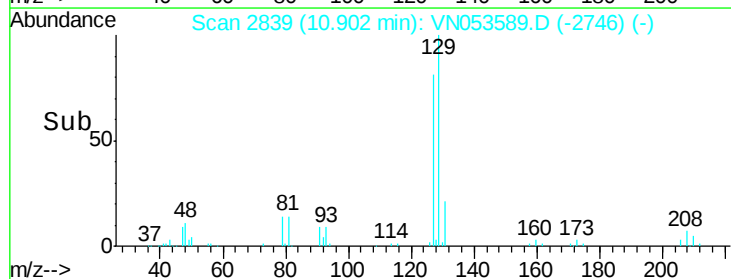
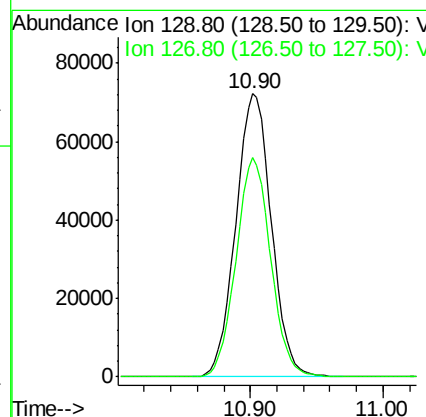
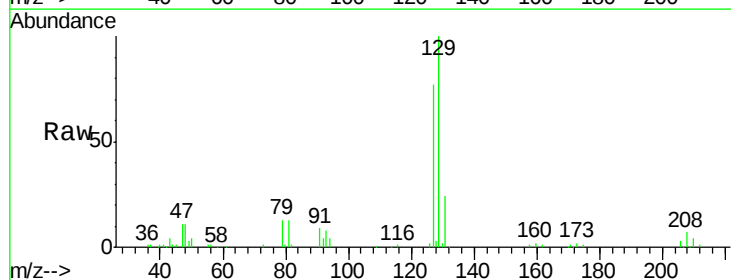
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

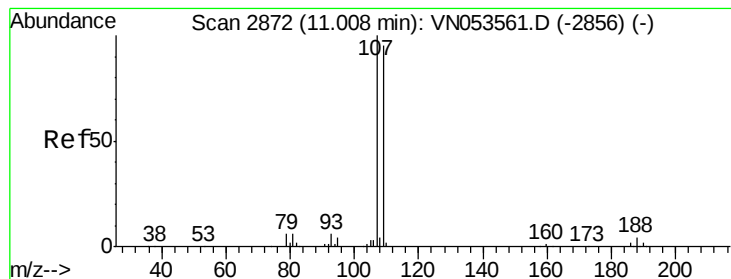
Tot Ion: 43 Resp: 303806
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.8



#60
Dibromochloromethane
Concen: 19.546 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 129 Resp: 134280
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.946 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

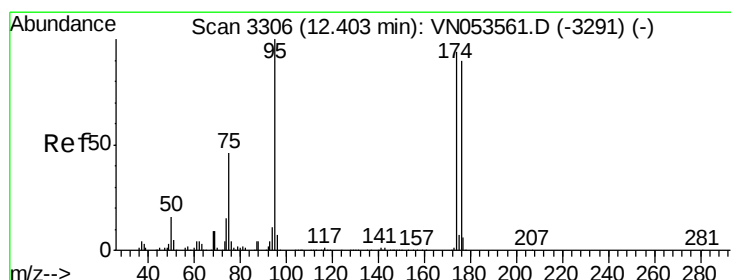
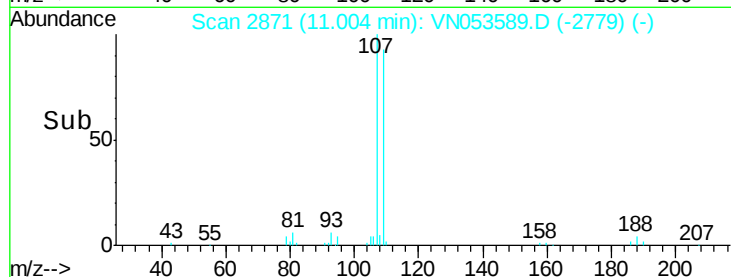
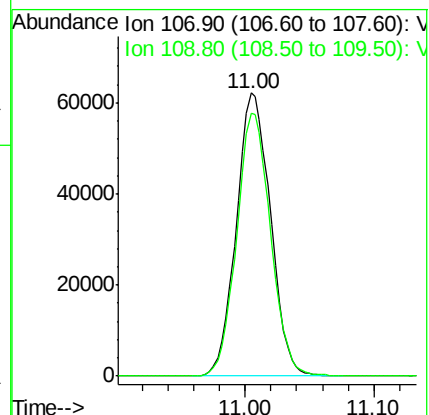
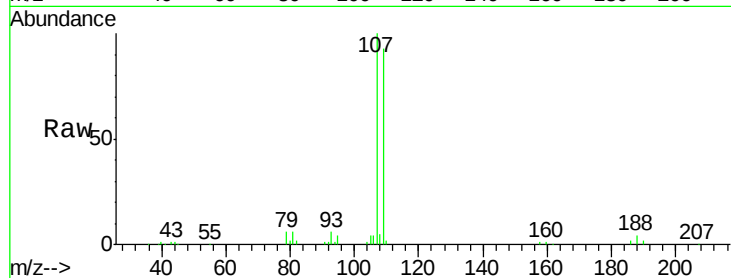
VN0204WBS01

Tot Ion:107 Resp: 114241

Ion Ratio Lower Upper

107 100

109 92.4 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 18.946 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

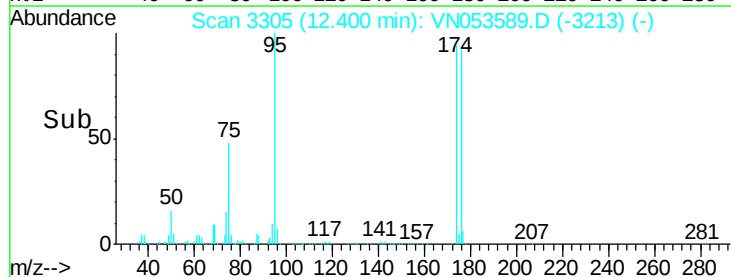
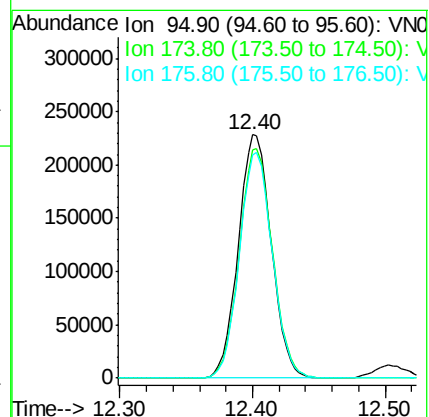
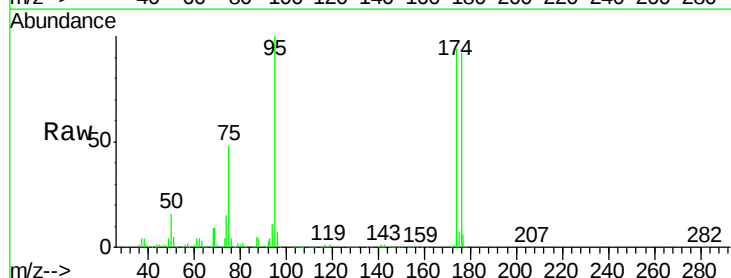
Tgt Ion: 95 Resp: 394698

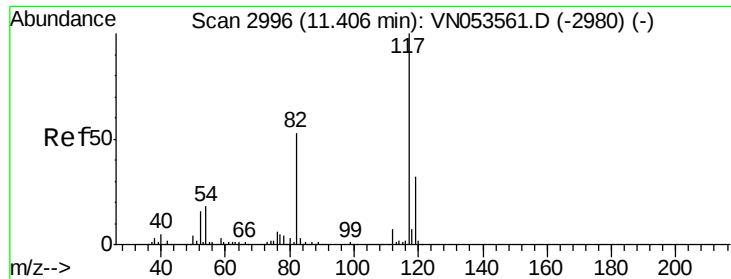
Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.2

176 92.5 0.0 177.4

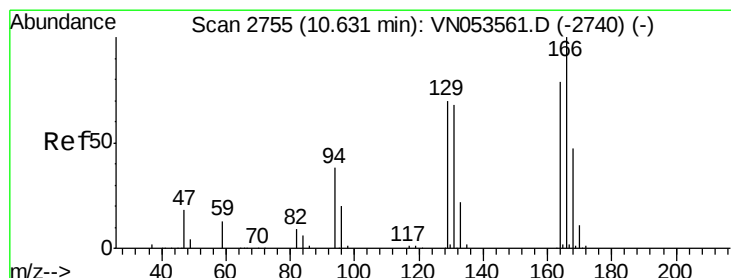
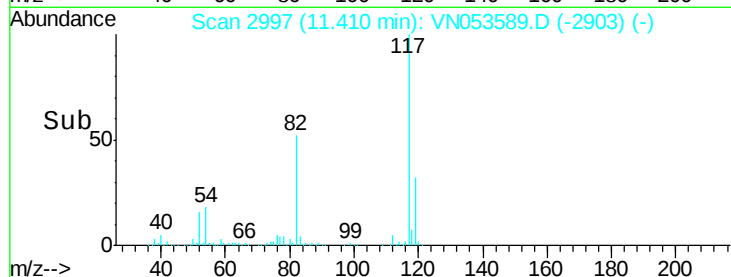
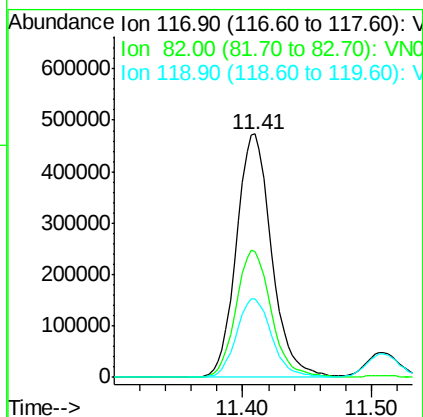
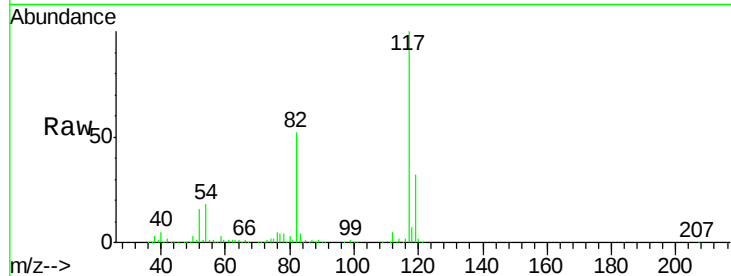




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

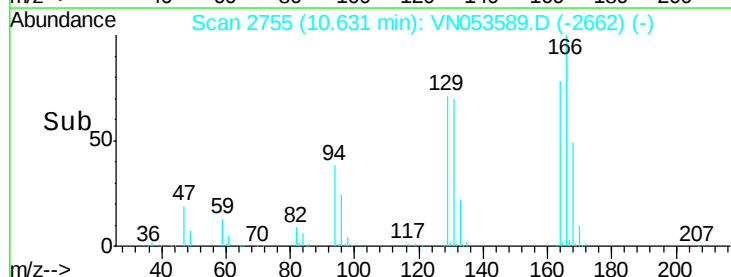
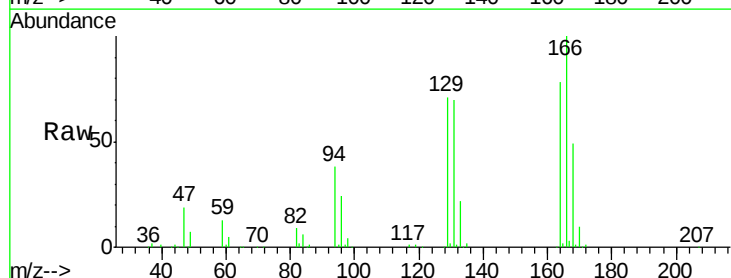
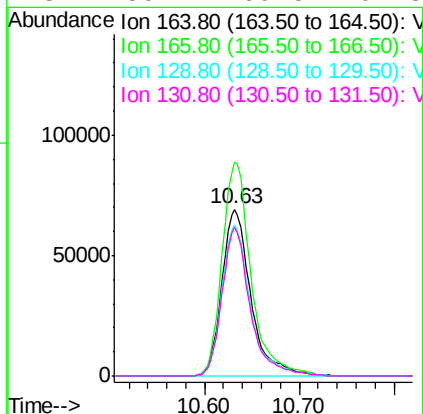
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

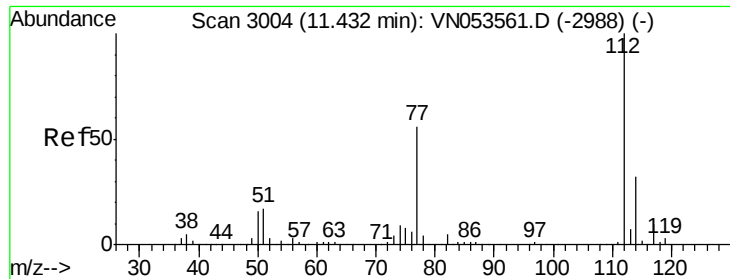
Tot Ion:117 Resp: 899485
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 19.165 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion:164 Resp: 147773
Ion Ratio Lower Upper
164 100
166 128.0 102.2 153.4
129 90.5 72.6 109.0
131 89.1 69.5 104.3

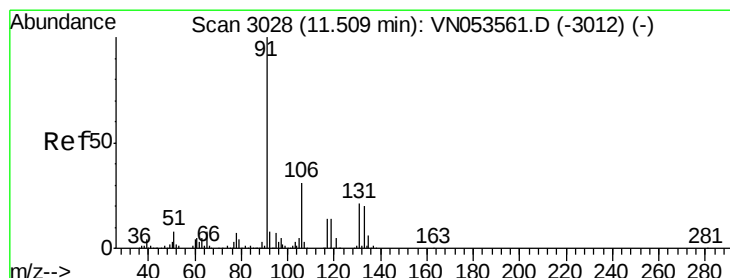
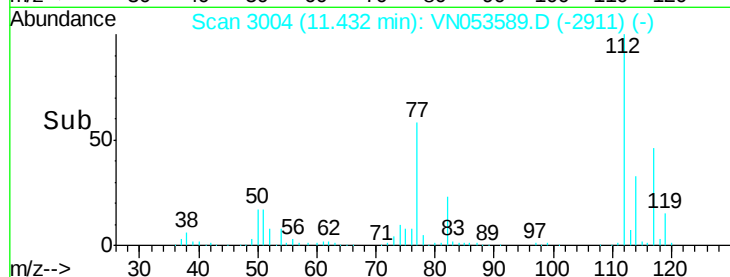
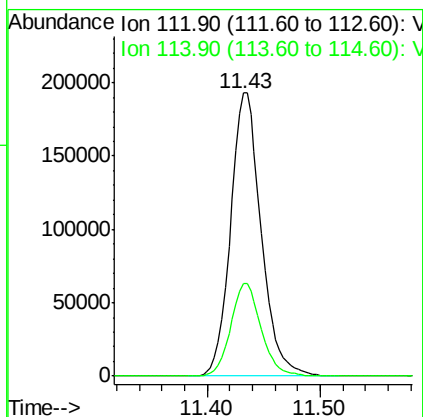
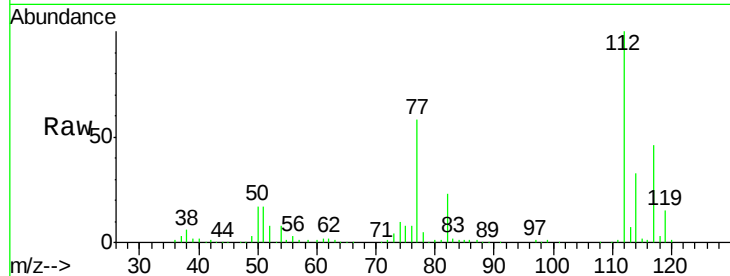




#65
Chlorobenzene
Concen: 18.973 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

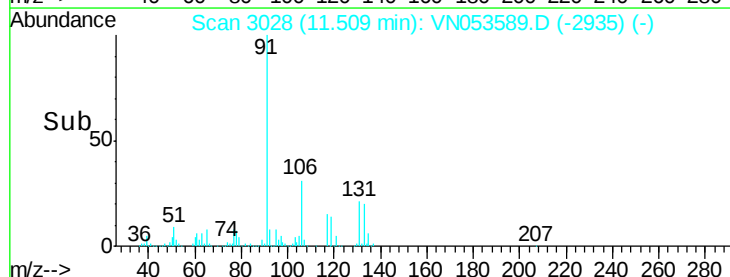
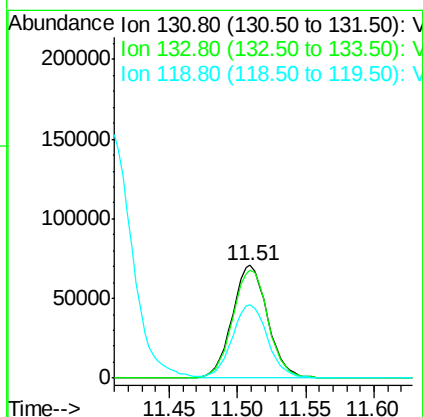
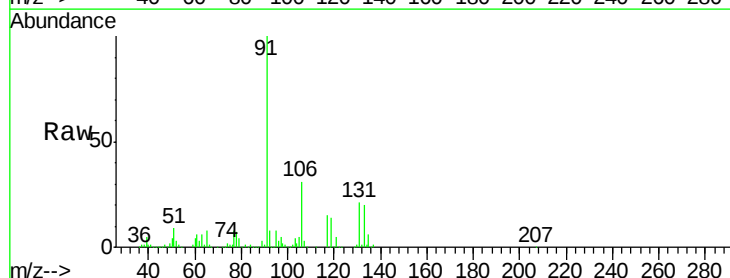
Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

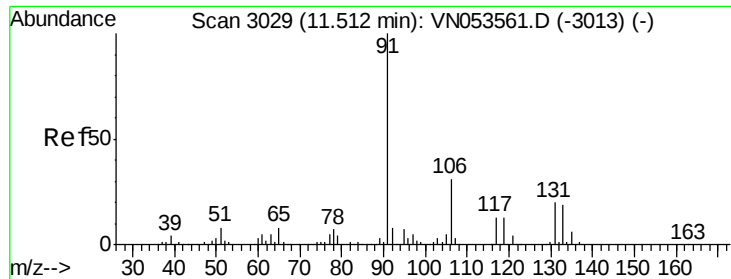
Tot Ion:112 Resp: 362492
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.090 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion:131 Resp: 127379
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 65.4 33.5 100.5

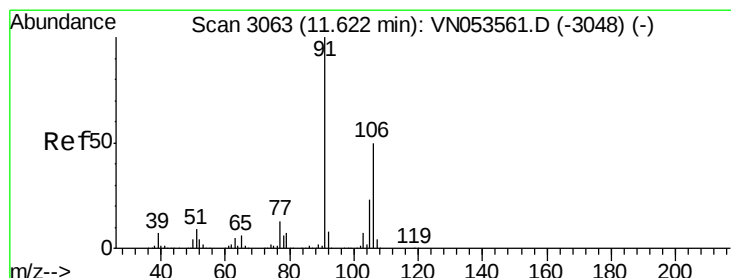
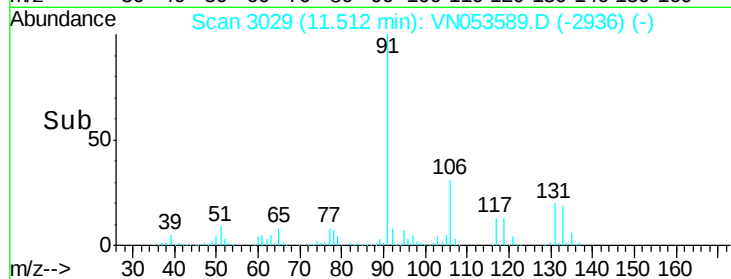
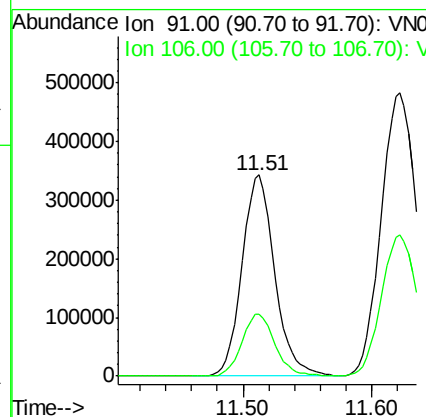
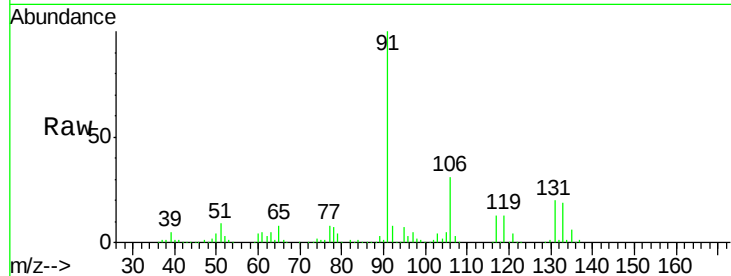




#67
Ethyl Benzene
Concen: 19.300 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

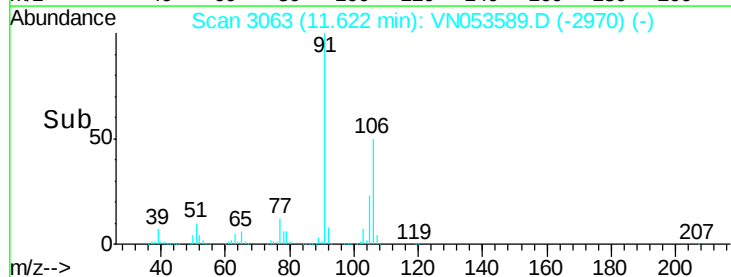
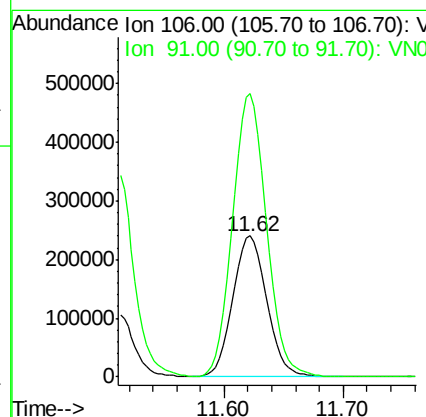
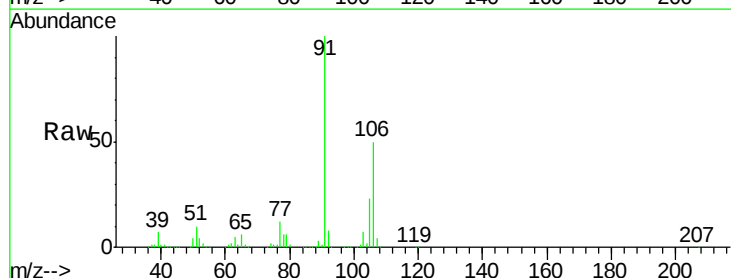
Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

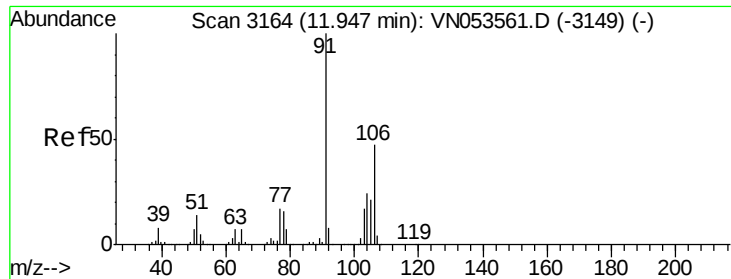
Tot Ion: 91 Resp: 605725
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 39.768 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 106 Resp: 476367
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2

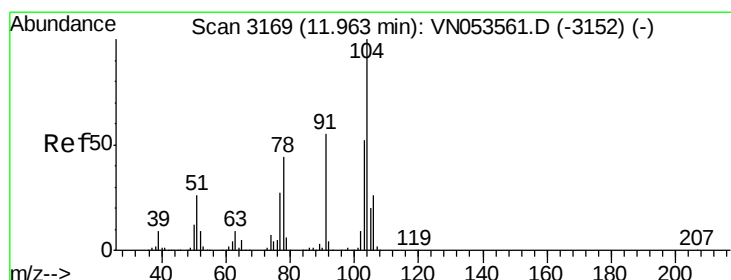
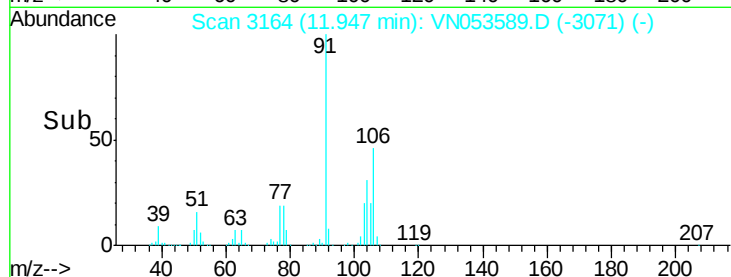
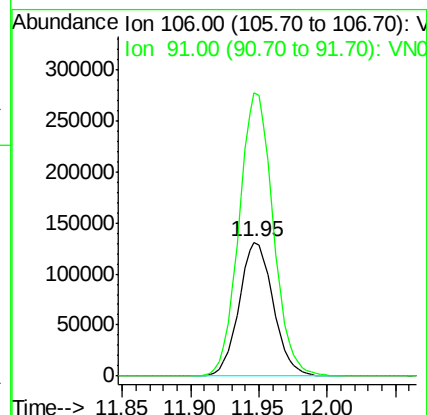
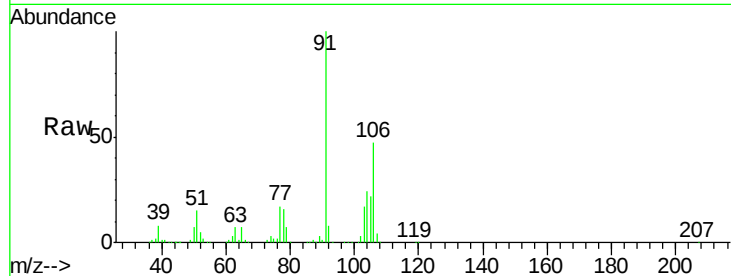




#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

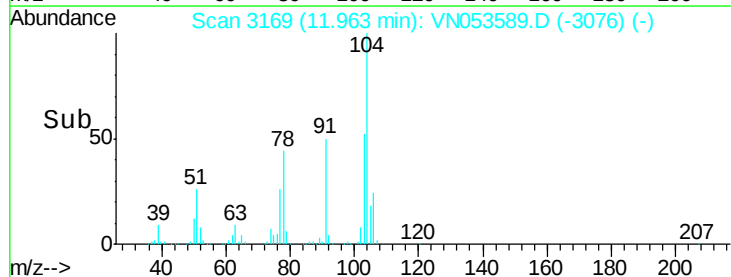
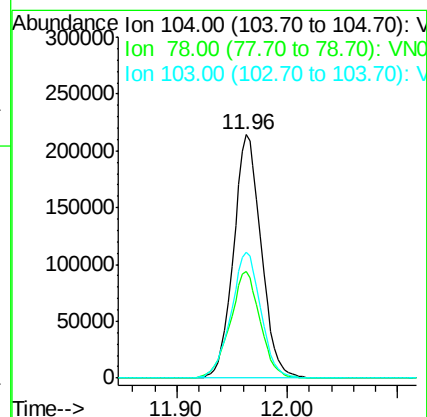
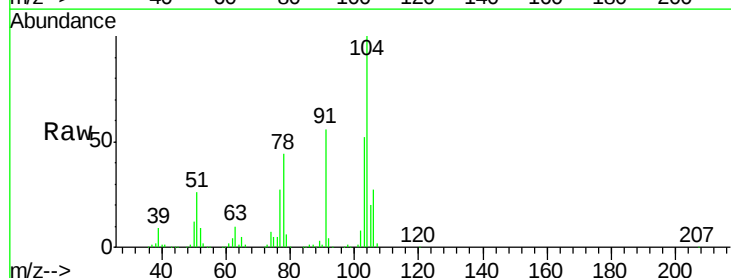
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

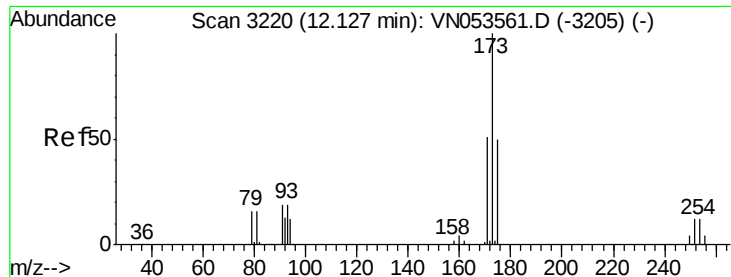
Tot Ion:106 Resp: 227744
Ion Ratio Lower Upper
106 100
91 211.4 106.9 320.8



#70
Styrene
Concen: 19.857 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion:104 Resp: 372459
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.7 44.4 66.6

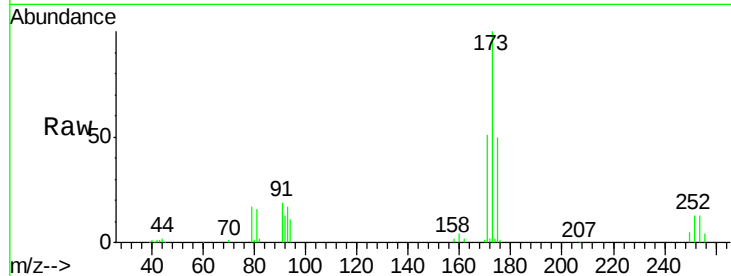




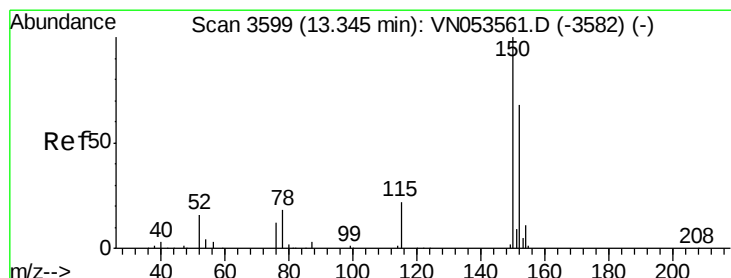
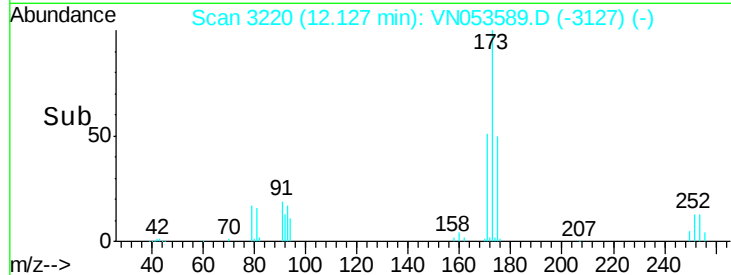
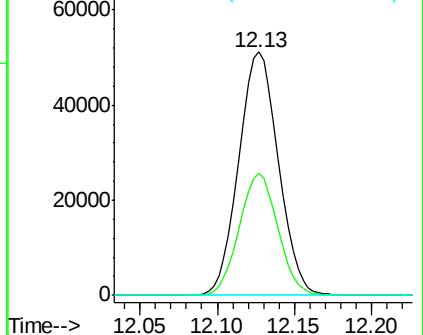
#71
Bromoform
Concen: 19.969 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion:173 Resp: 91350
Ion Ratio Lower Upper
173 100
175 48.8 24.6 74.0
254 0.0 0.2 0.2#

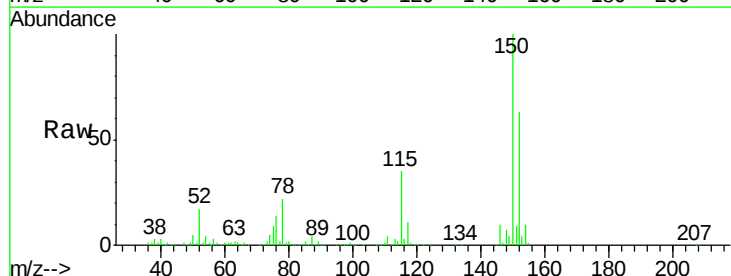


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

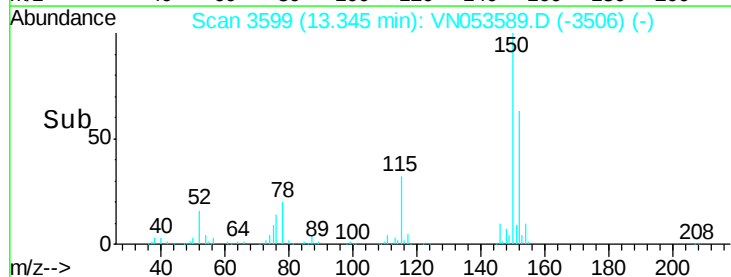
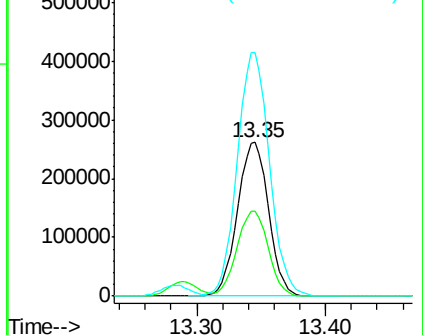


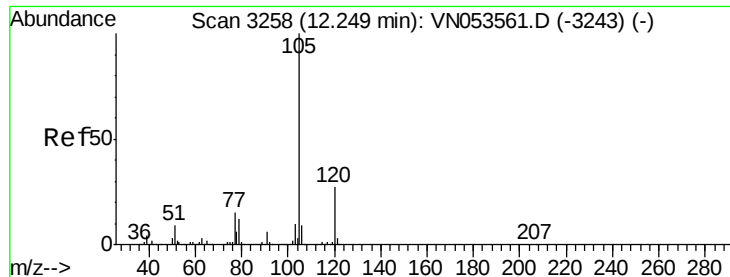
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion:152 Resp: 437050
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 164.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.706 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

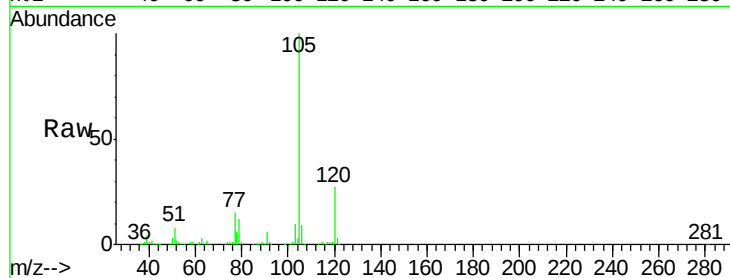
VN0204WBS01

Tot Ion:105 Resp: 605434

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

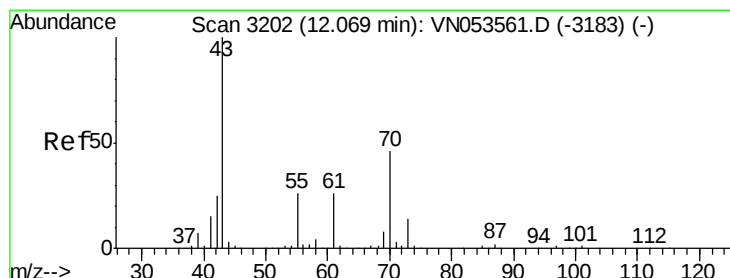
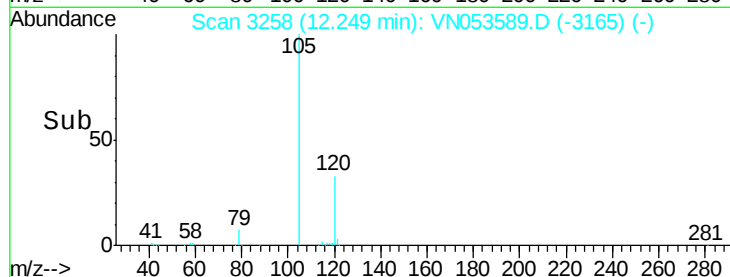
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.445 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion: 43 Resp: 136276

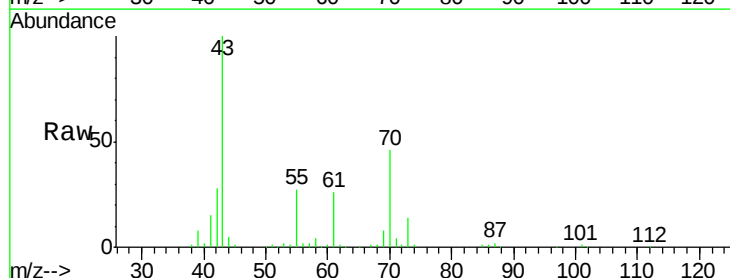
Ion Ratio Lower Upper

43 100

70 45.8 35.4 53.2

55 26.9 20.9 31.3

61 25.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

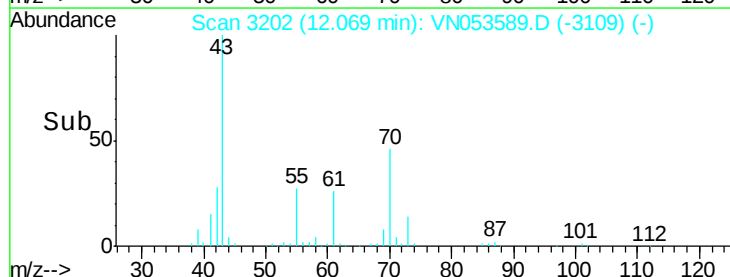
40000

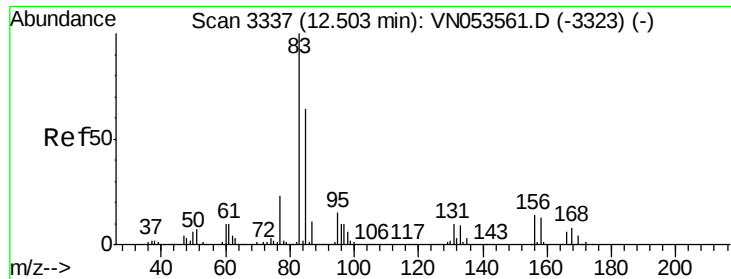
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 18.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

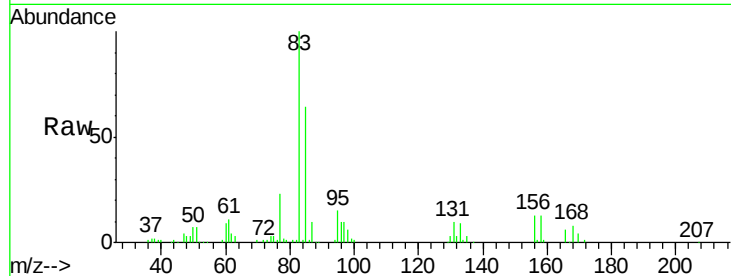
Tot Ion: 83 Resp: 135156

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

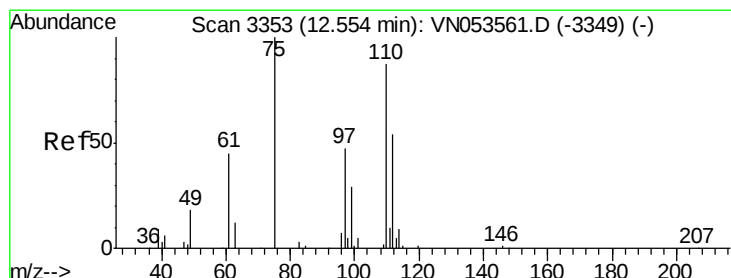
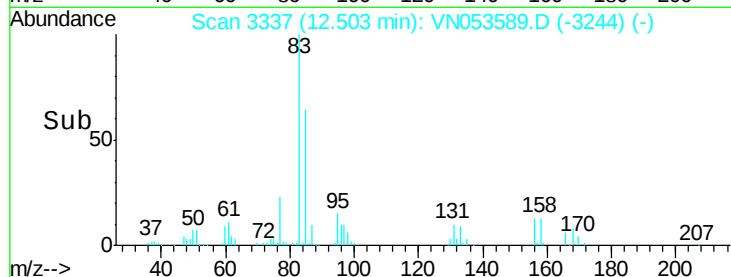
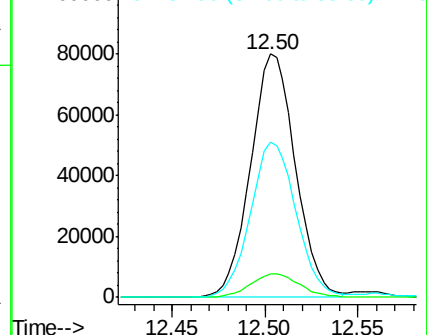
85 65.2 32.1 96.3



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: 29.971 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053589.D

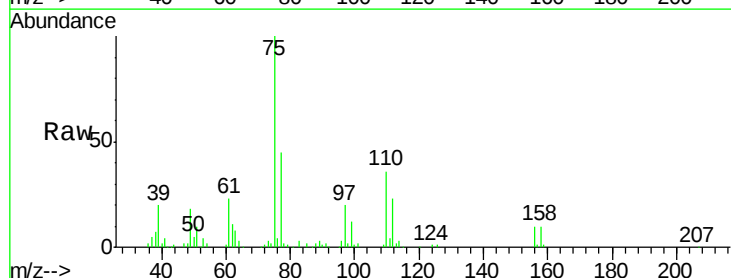
Acq: 4 Feb 2019 11:56

Tgt Ion: 75 Resp: 168246

Ion Ratio Lower Upper

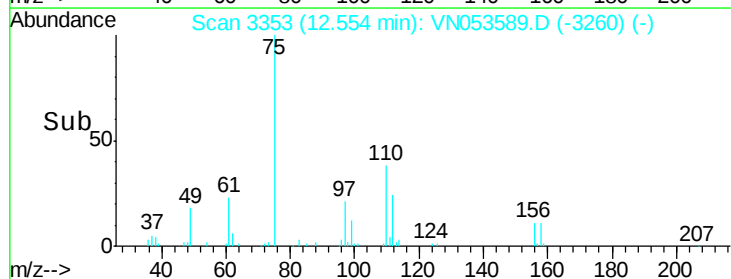
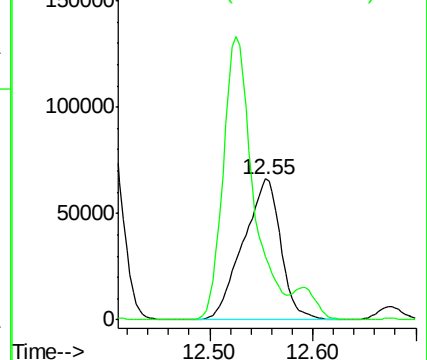
75 100

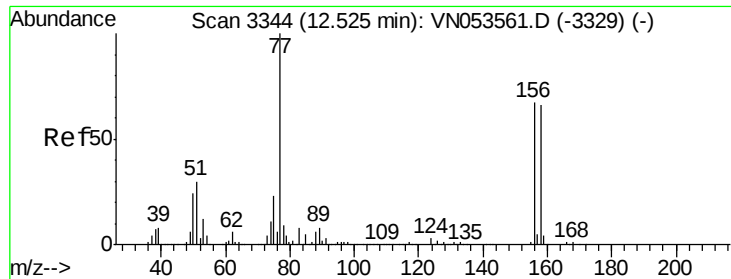
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

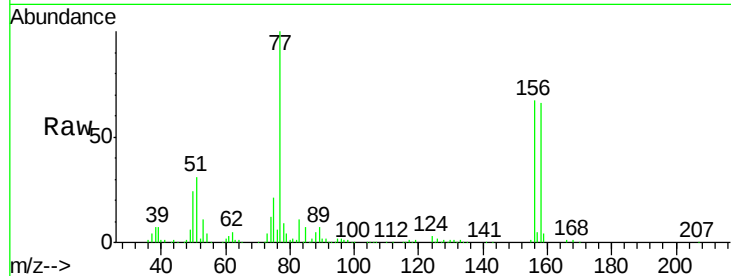
Tot Ion:156 Resp: 156944

Ion Ratio Lower Upper

156 100

77 171.3 87.9 263.8

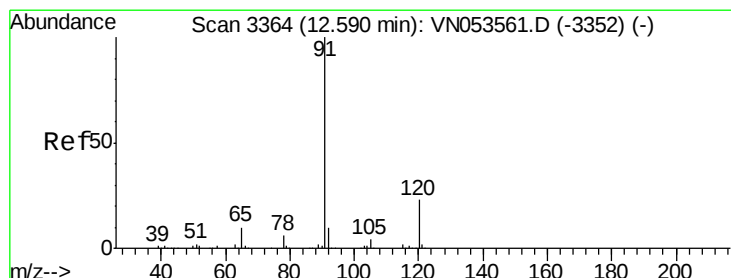
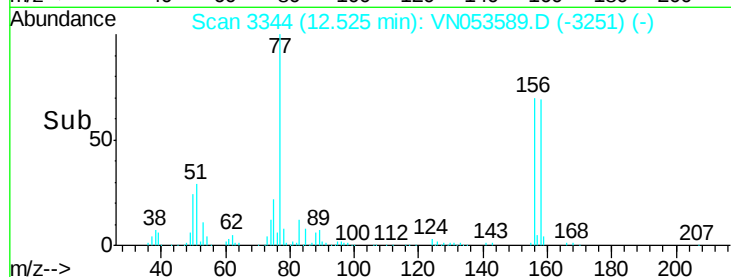
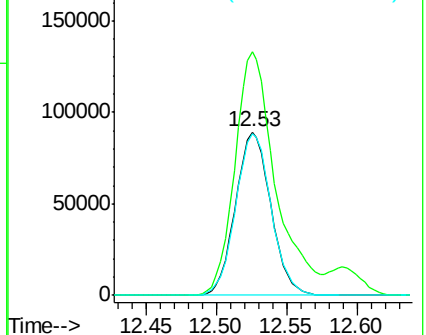
158 99.2 48.8 146.4



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: 19.837 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053589.D

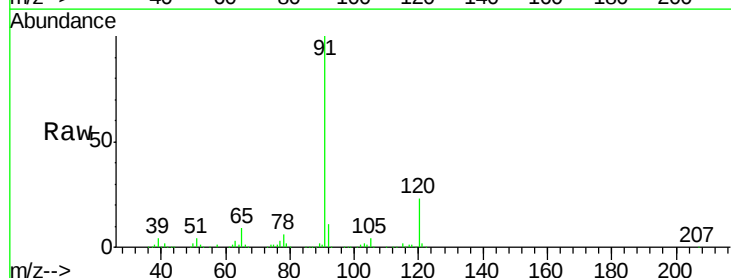
Acq: 4 Feb 2019 11:56

Tgt Ion: 91 Resp: 704553

Ion Ratio Lower Upper

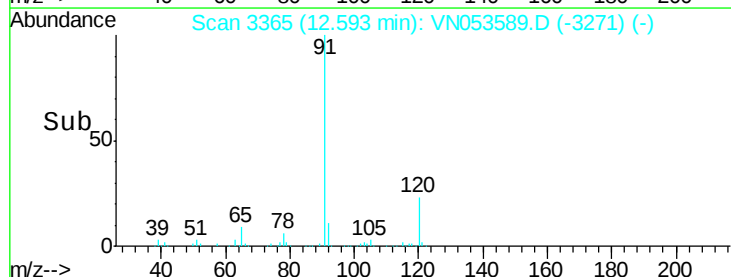
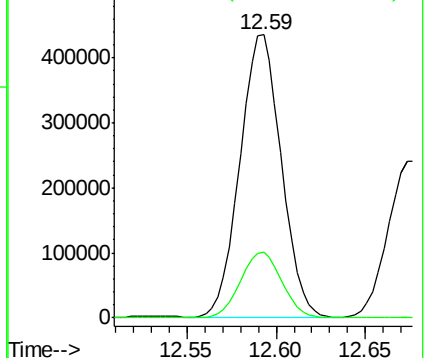
91 100

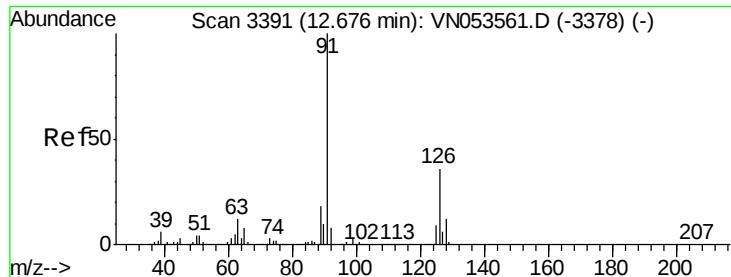
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.589 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

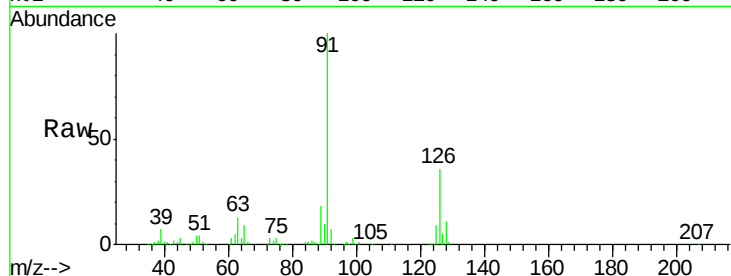
VN0204WBS01

Tot Ion: 91 Resp: 412781

Ion Ratio Lower Upper

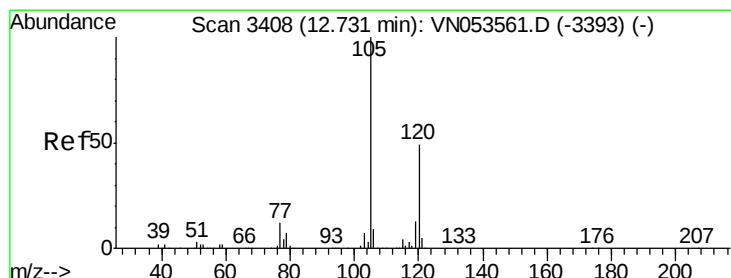
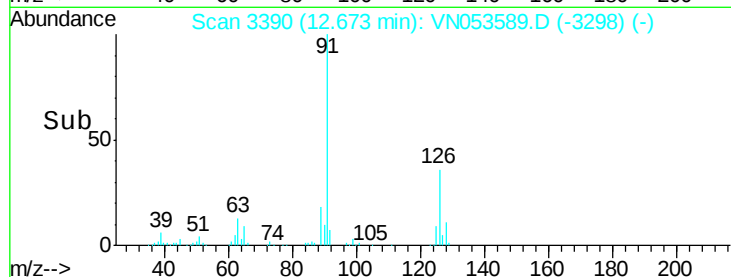
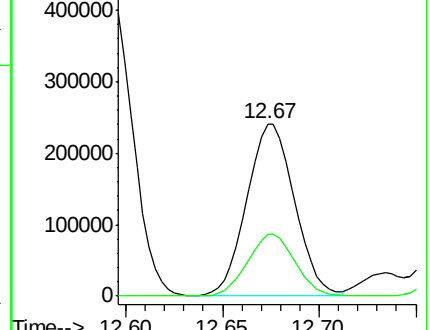
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.309 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053589.D

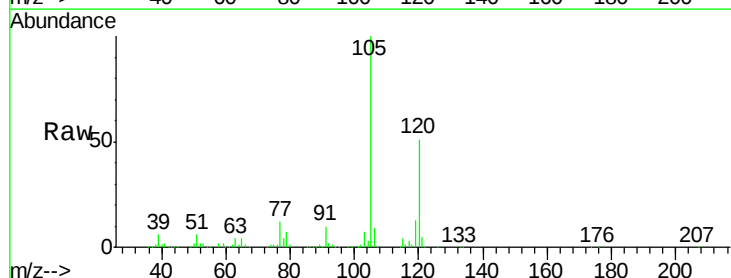
Acq: 4 Feb 2019 11:56

Tgt Ion: 105 Resp: 517430

Ion Ratio Lower Upper

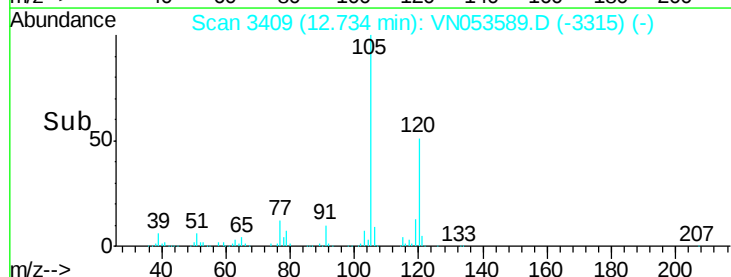
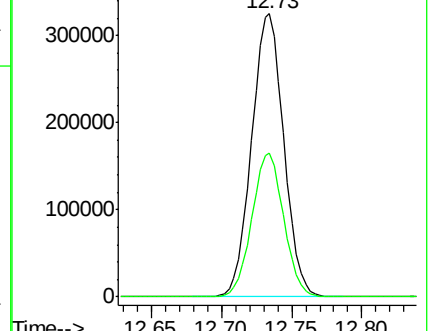
105 100

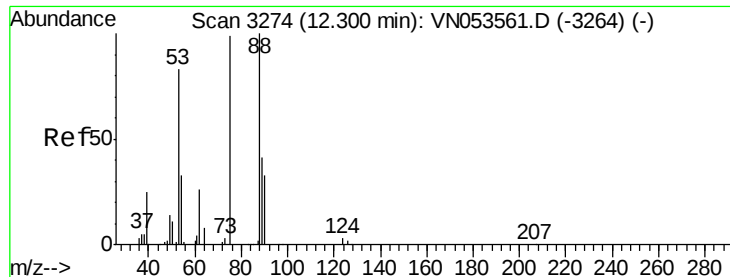
120 50.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.041 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

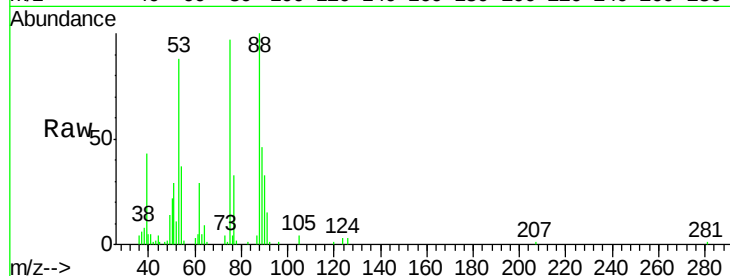
Tot Ion: 75 Resp: 34021

Ion Ratio Lower Upper

75 100

53 90.8 69.8 104.6

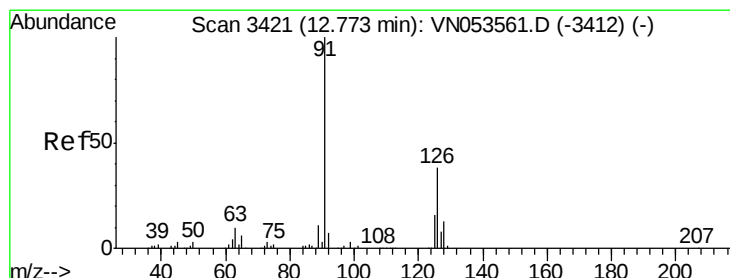
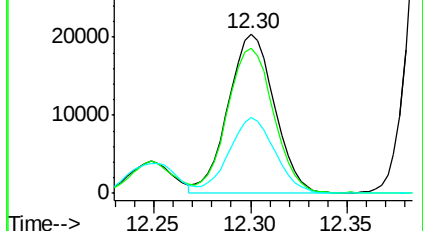
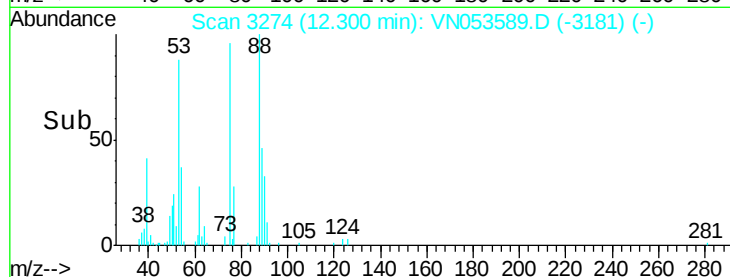
89 47.0 35.6 53.4



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: 19.535 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053589.D

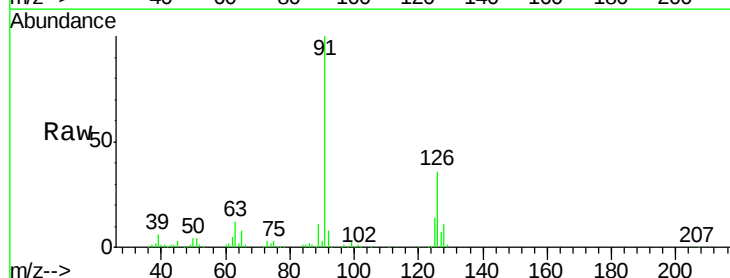
Acq: 4 Feb 2019 11:56

Tgt Ion: 91 Resp: 422390

Ion Ratio Lower Upper

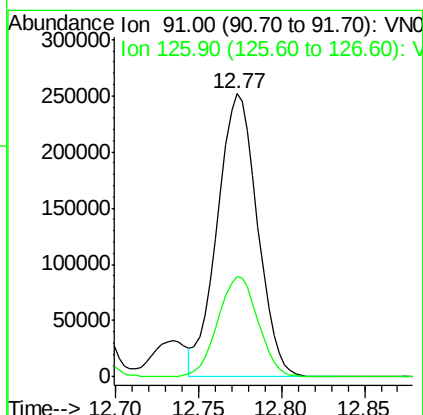
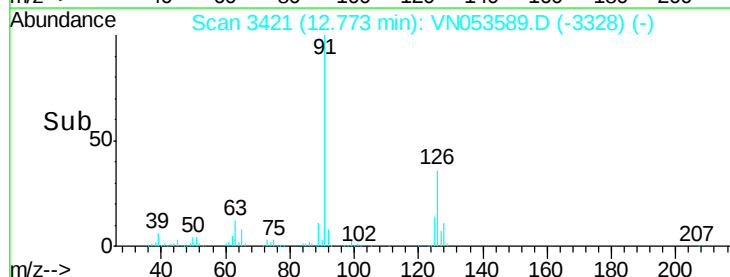
91 100

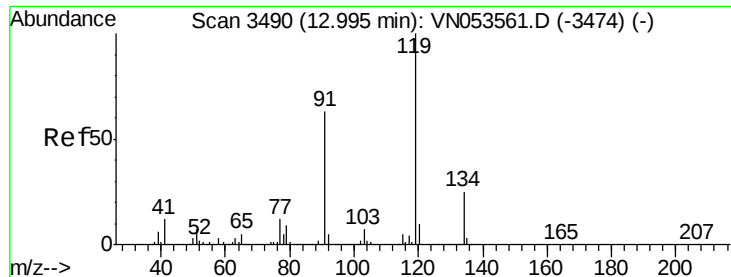
126 35.6 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

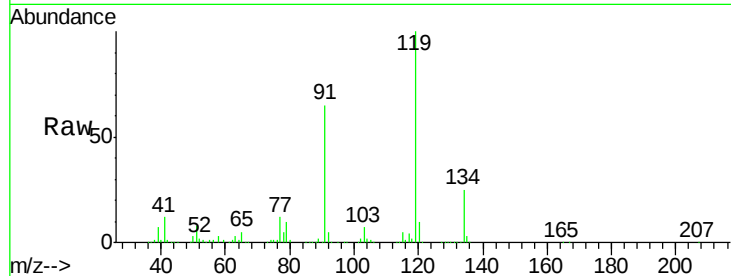




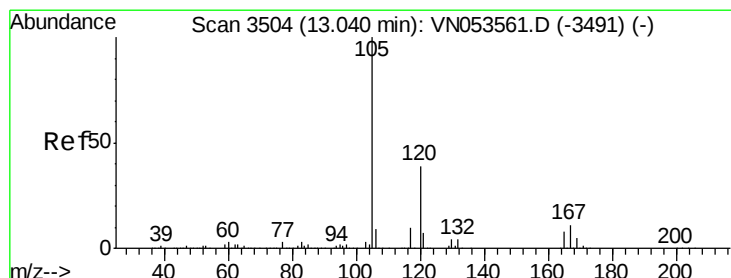
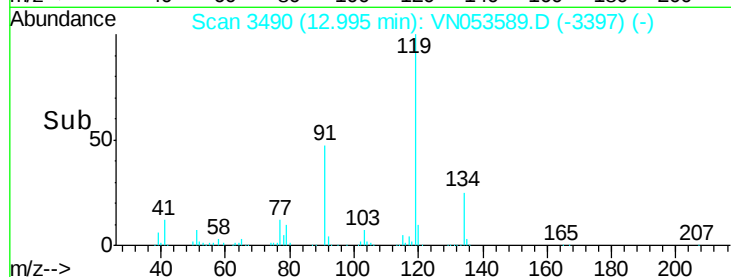
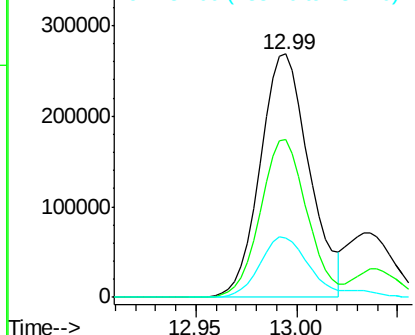
#83
tert-Butylbenzene
Concen: 20.214 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion:119 Resp: 455168
Ion Ratio Lower Upper
119 100
91 61.4 31.3 93.8
134 24.7 12.9 38.7

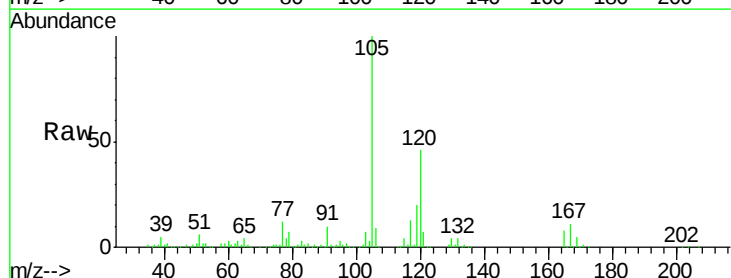


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

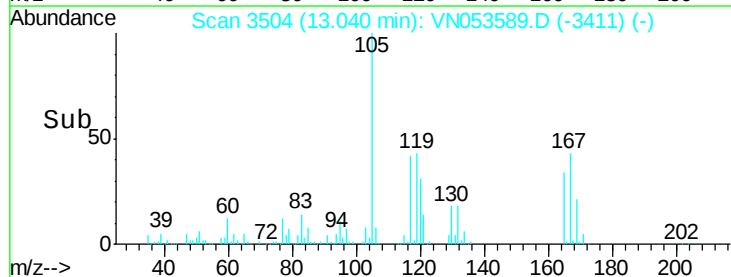
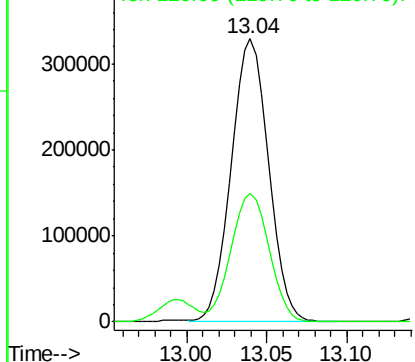


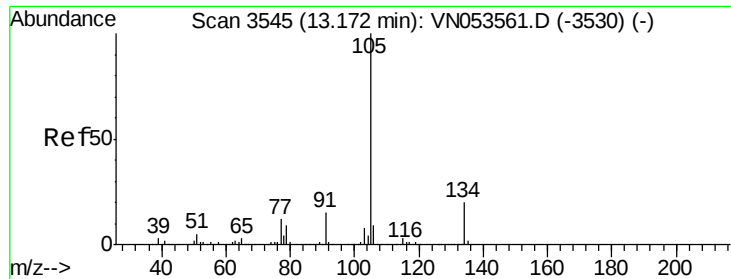
#84
1,2,4-Trimethylbenzene
Concen: 20.121 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion:105 Resp: 522276
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.201 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

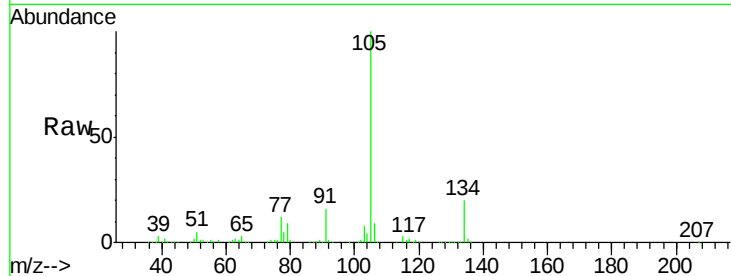
VN0204WBS01

Tot Ion:105 Resp: 619012

Ion Ratio Lower Upper

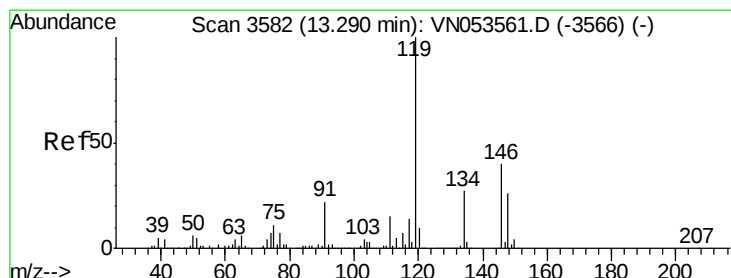
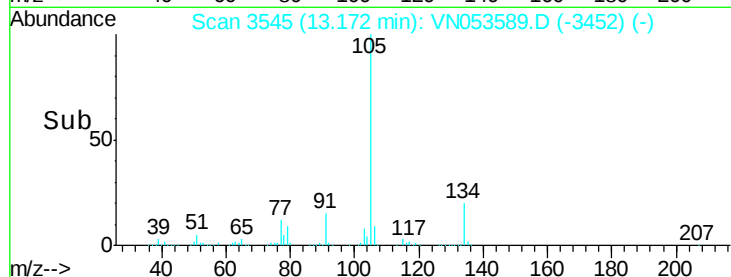
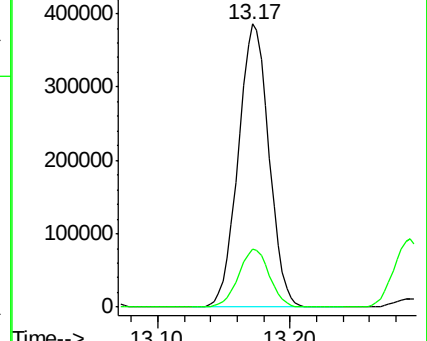
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.264 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

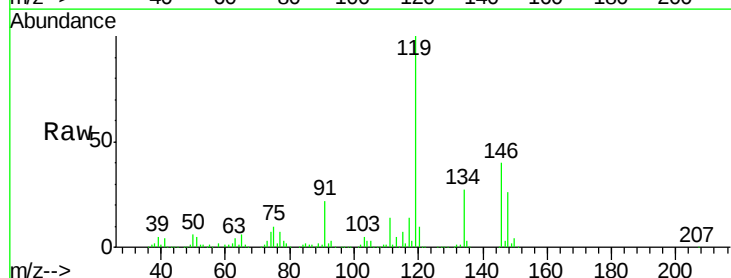
Tgt Ion:119 Resp: 543053

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

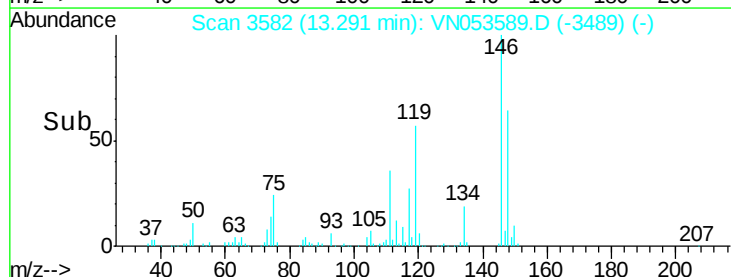
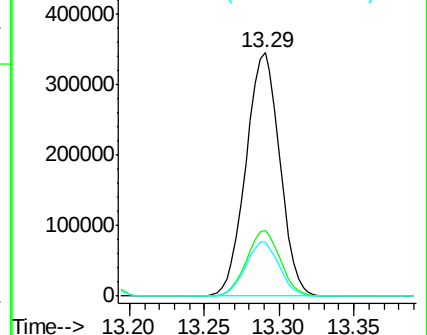
91 22.2 11.0 33.0

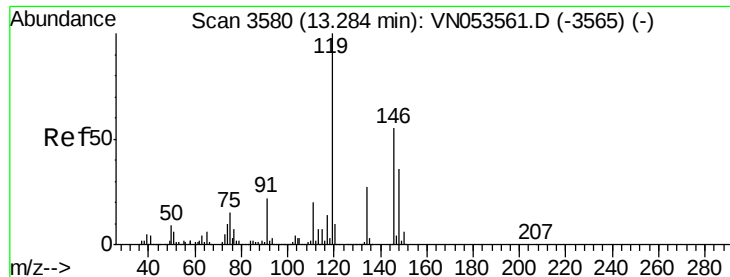


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

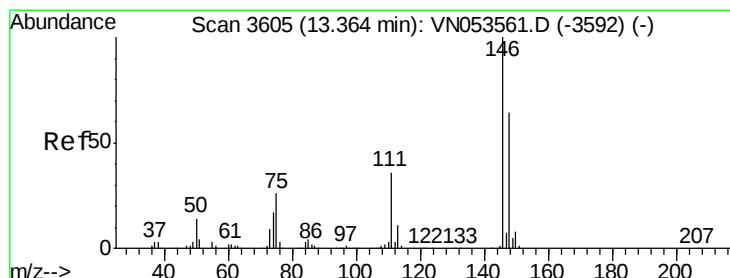
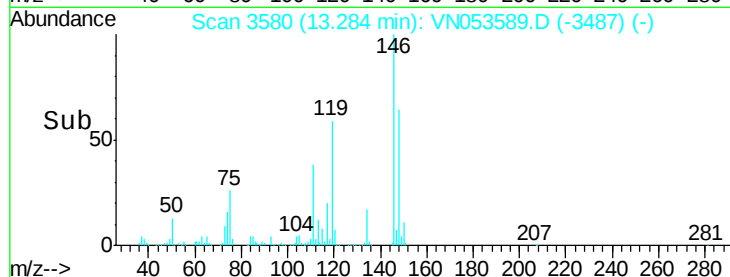
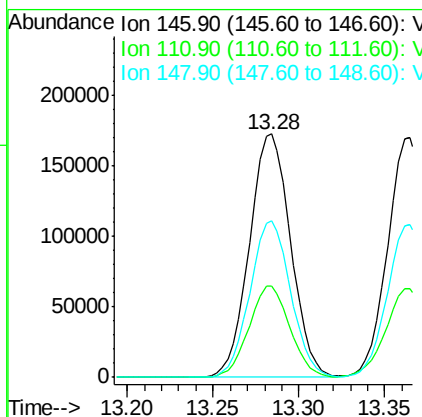
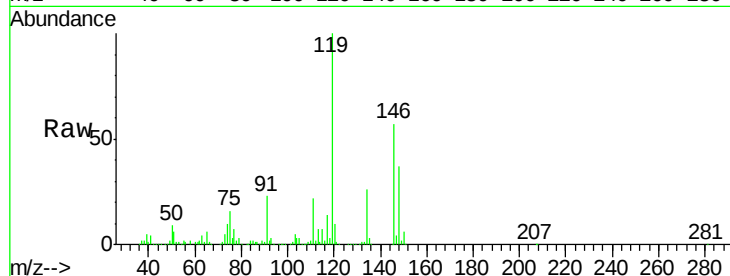




#87
 1,3-Dichlorobenzene
 Concen: 19.254 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

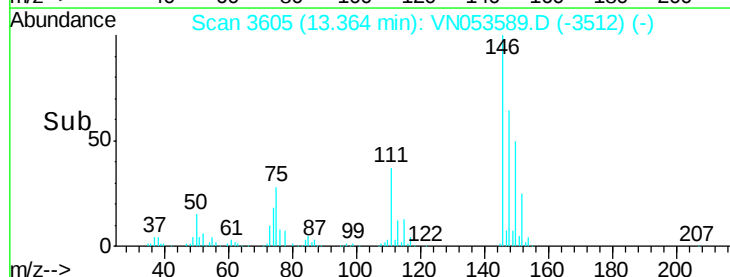
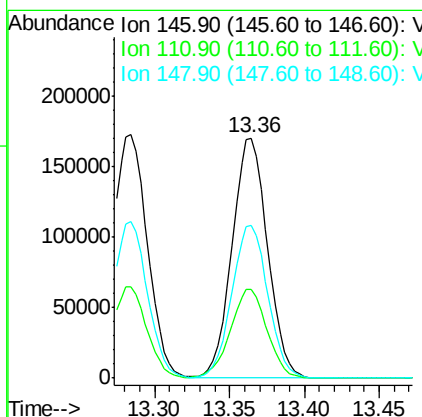
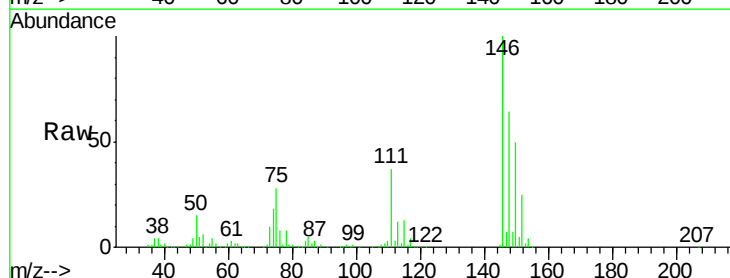
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

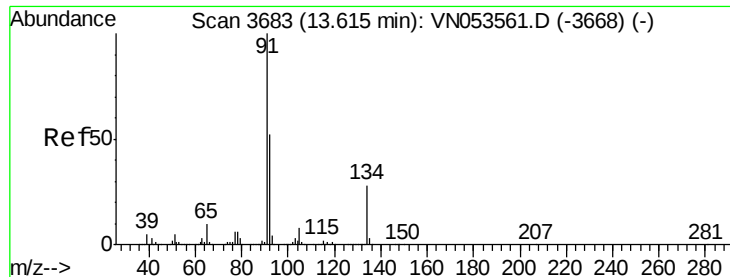
Tot Ion:146 Resp: 286606
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.3
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.071 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion:146 Resp: 280806
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 64.8 32.4 97.0





#89

n-Butylbenzene

Concen: 19.936 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

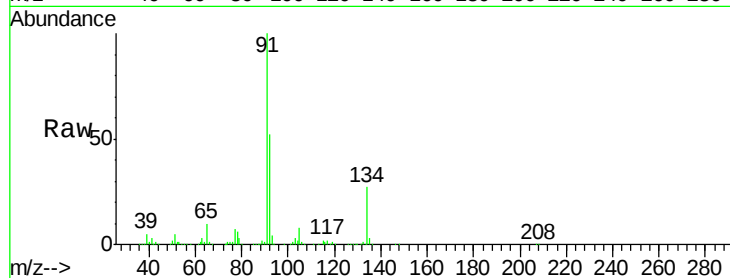
Tot Ion: 91 Resp: 462451

Ion Ratio Lower Upper

91 100

92 51.6 26.3 78.8

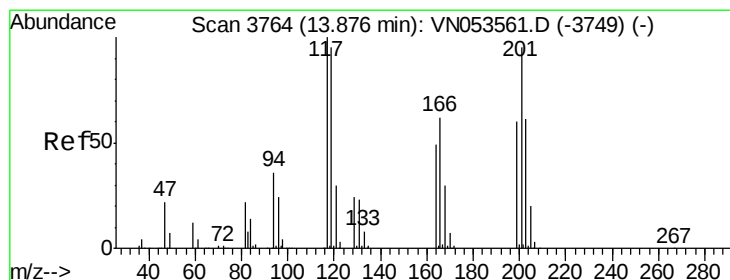
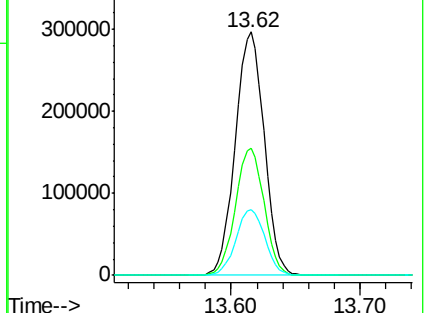
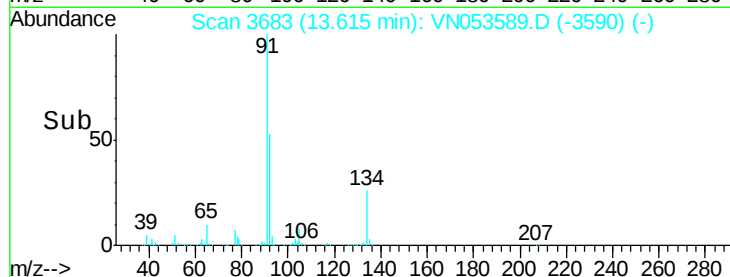
134 26.9 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053589.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN053589.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN053589.D (-3683) (-)



#90

Hexachloroethane

Concen: 19.657 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053589.D

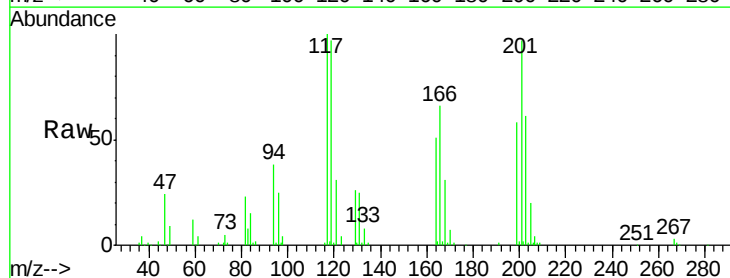
Acq: 4 Feb 2019 11:56

Tgt Ion: 117 Resp: 86892

Ion Ratio Lower Upper

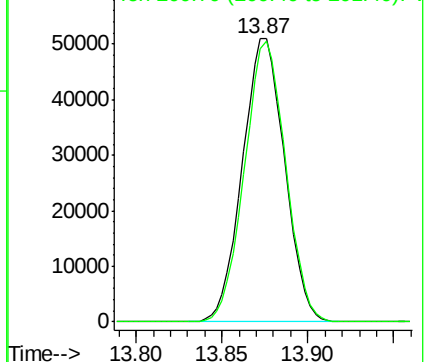
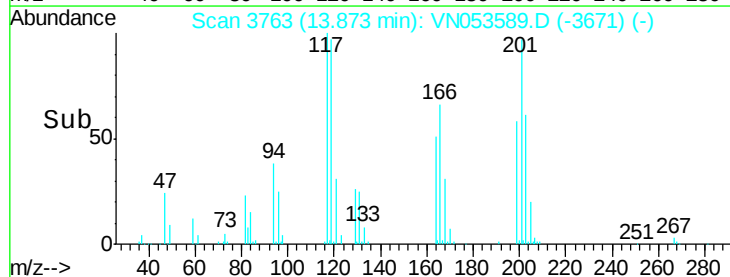
117 100

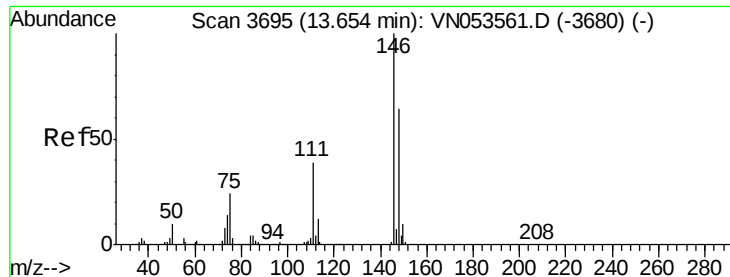
201 96.7 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053589.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN053589.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 19.310 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

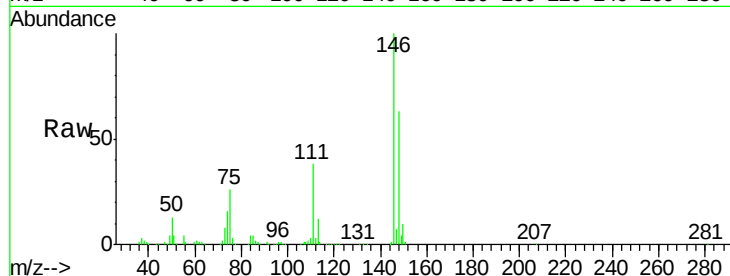
Tot Ion:146 Resp: 275179

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

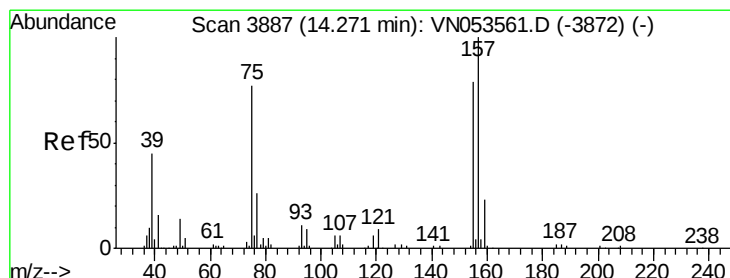
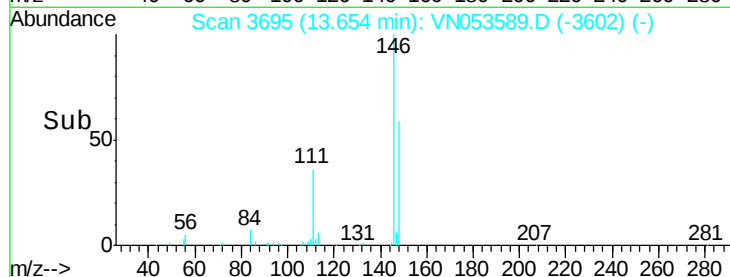
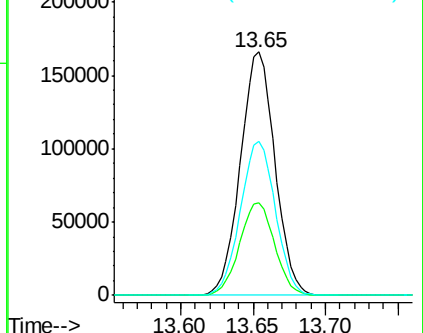
148 64.2 31.9 95.9



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: 18.892 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

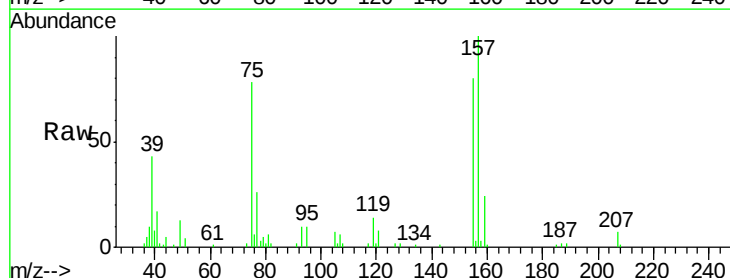
Tgt Ion: 75 Resp: 19798

Ion Ratio Lower Upper

75 100

155 102.7 48.9 146.7

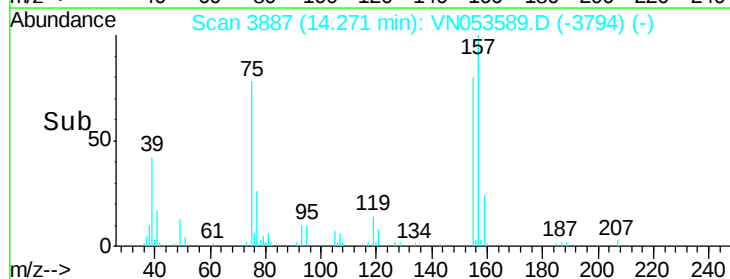
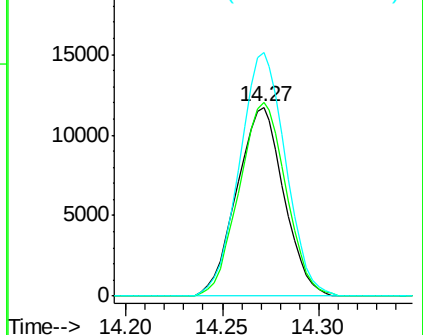
157 127.0 63.7 191.3

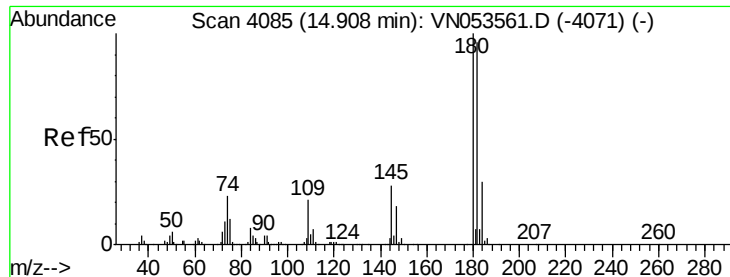


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

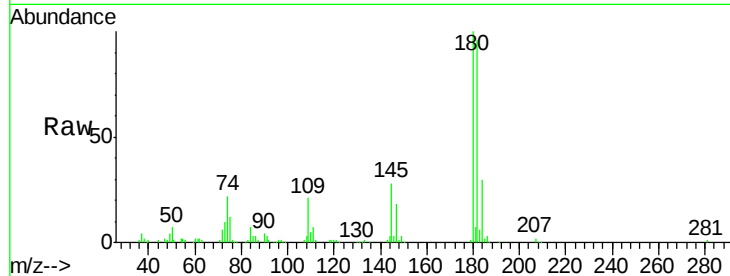




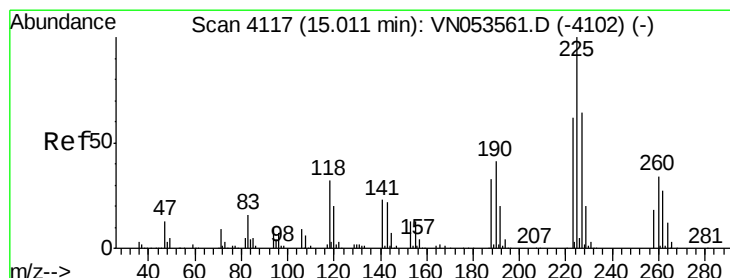
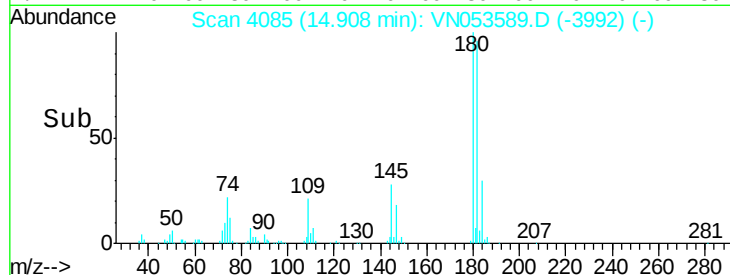
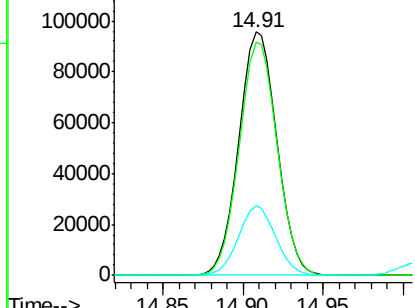
#93
 1,2,4-Trichlorobenzene
 Concen: 18.887 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion:180 Resp: 154361
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.3
 145 27.9 13.9 41.6

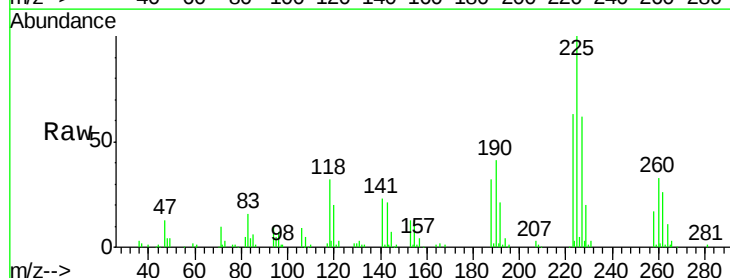


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

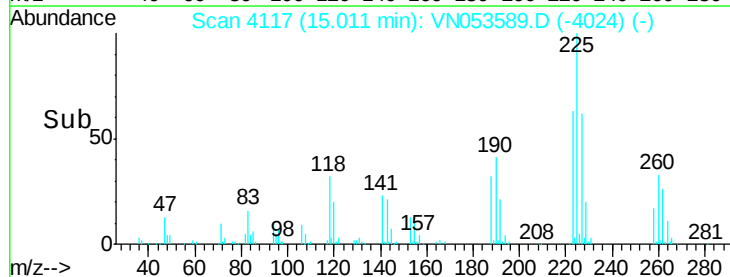
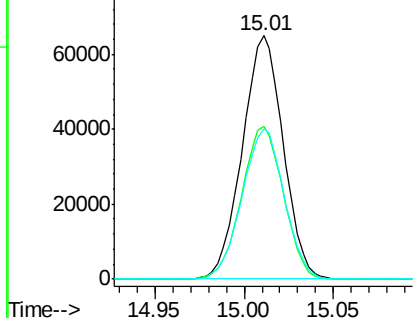


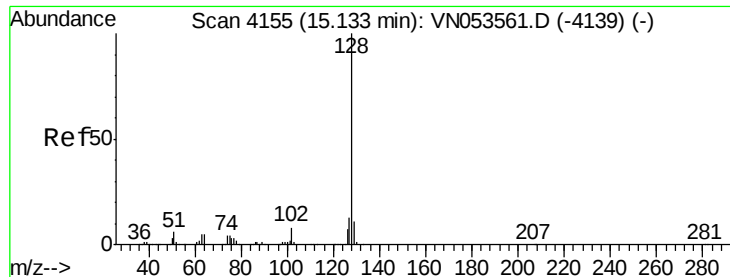
#94
 Hexachlorobutadiene
 Concen: 20.486 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion:225 Resp: 104268
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.1 93.2
 227 63.6 32.0 96.2



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





#95

Naphthalene

Concen: 16.997 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

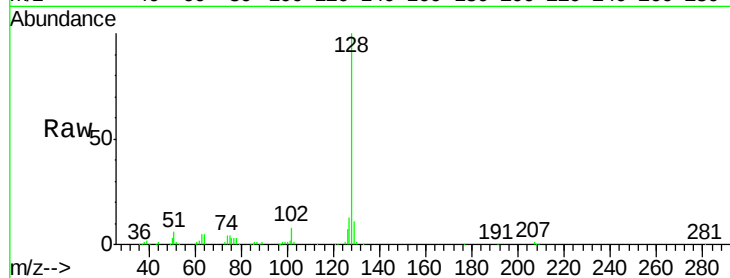
Tot Ion:128 Resp: 303520

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

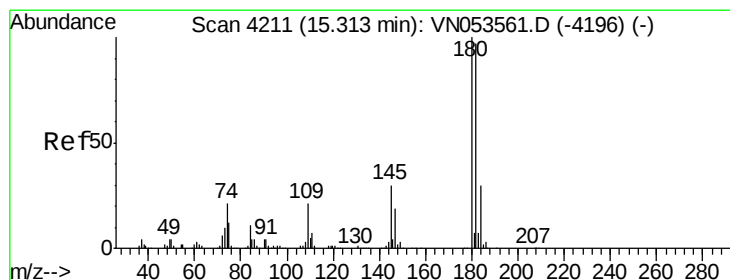
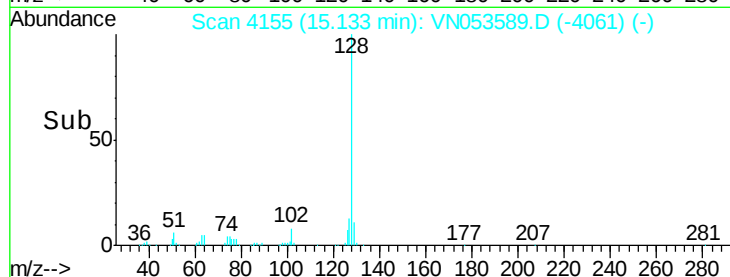
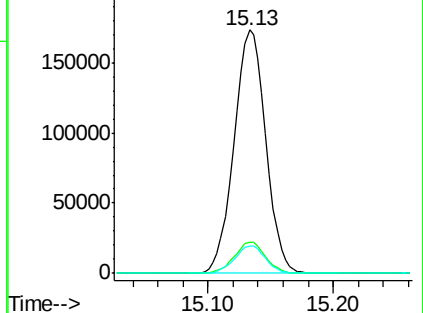
129 10.9 8.6 13.0



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: 18.628 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

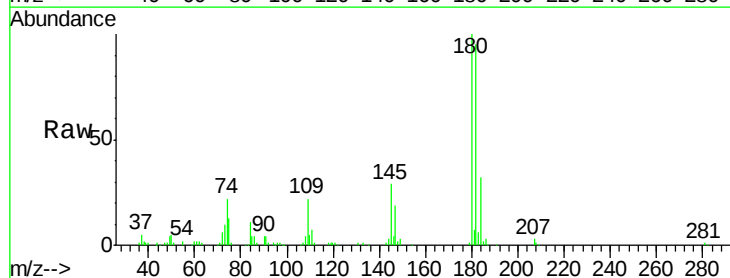
Tgt Ion:180 Resp: 141265

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.8

145 30.1 14.7 44.1



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

