

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052832.D
 Acq On : 12 Dec 2018 17:33
 Operator : MD\SY
 Sample : VN1212WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Quant Time: Dec 13 04:11:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1066085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1597558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1424863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	662316	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	548987	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	7.59	113	444688	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1953318	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	660925	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	216912	19.765	ug/l	99
3) Chloromethane	2.06	50	254409	19.315	ug/l	99
4) Vinyl Chloride	2.19	62	256426	19.460	ug/l	100
5) Bromomethane	2.58	94	154847	19.052	ug/l	99
6) Chloroethane	2.71	64	150080	19.269	ug/l	99
7) Trichlorofluoromethane	3.02	101	318083	19.470	ug/l	99
8) Diethyl Ether	3.41	74	116957	19.626	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203705	20.119	ug/l	99
10) Methyl Iodide	3.96	142	248000	17.490	ug/l	100
11) Tert butyl alcohol	4.78	59	59356	93.713	ug/l	98
12) 1,1-Dichloroethene	3.74	96	189016	19.284	ug/l	100
13) Acrolein	3.61	56	67288	112.837	ug/l	98
14) Allyl chloride	4.33	41	314193	19.626	ug/l	96
15) Acrylonitrile	4.99	53	345636	97.272	ug/l	100
16) Acetone	3.82	43	230642	90.594	ug/l	98
17) Carbon Disulfide	4.06	76	576553	19.148	ug/l	99
18) Methyl Acetate	4.33	43	175343	18.767	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	515721	19.381	ug/l	98
20) Methylene Chloride	4.55	84	215659	18.823	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	202632	19.082	ug/l	96
22) Diisopropyl ether	5.95	45	663981	19.441	ug/l	100
23) Vinyl Acetate	5.90	43	2004378	98.627	ug/l	99
24) 1,1-Dichloroethane	5.85	63	382341	19.413	ug/l	99
25) 2-Butanone	6.83	43	369943	93.649	ug/l	99
26) 2,2-Dichloropropane	6.83	77	280688	19.352	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	230881	19.157	ug/l	98
28) Bromochloromethane	7.20	49	177705	20.093	ug/l	99
29) Tetrahydrofuran	7.21	42	254103	94.223	ug/l	98
30) Chloroform	7.37	83	368001	19.160	ug/l	98
31) Cyclohexane	7.66	56	382821	19.576	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	309756	19.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	295380	20.078	ug/l	99
37) Ethyl Acetate	6.93	43	172568	19.526	ug/l	99
38) Carbon Tetrachloride	7.78	117	273763	20.217	ug/l	100

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Instrument :
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 ClientSampleId :
 VN1212WBS02

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	370249	20.509	ug/l	99
40) Benzene	8.04	78	879691	19.923	ug/l	100
41) Methacrylonitrile	7.18	41	97174	19.845	ug/l	93
42) 1,2-Dichloroethane	8.13	62	264912	19.929	ug/l	99
43) Isopropyl Acetate	8.17	43	318891	17.599	ug/l	99
44) Trichloroethene	8.84	130	236353	19.817	ug/l	95
45) 1,2-Dichloropropane	9.12	63	229999	19.887	ug/l	99
46) Dibromomethane	9.21	93	130011	19.384	ug/l	98
47) Bromodichloromethane	9.40	83	275017	19.773	ug/l	100
48) Methyl methacrylate	9.20	41	160293	20.172	ug/l	99
49) 1,4-Dioxane	9.20	88	34603	383.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	831677	100.098	ug/l	100
52) Toluene	10.16	92	535440	20.022	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	281331	20.101	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	332527	19.938	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190828	19.990	ug/l	97
56) Ethyl methacrylate	10.43	69	244839	19.985	ug/l	99
57) 1,3-Dichloropropane	10.71	76	325344	19.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	677179	99.062	ug/l	99
59) 2-Hexanone	10.75	43	558076	98.010	ug/l	99
60) Dibromochloromethane	10.90	129	205018	19.871	ug/l	100
61) 1,2-Dibromoethane	11.01	107	188954	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	243983	19.923	ug/l	98
65) Chlorobenzene	11.43	112	586446	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201770	19.626	ug/l	99
67) Ethyl Benzene	11.51	91	1018427	20.062	ug/l	99
68) m/p-Xylenes	11.62	106	770561	40.424	ug/l	100
69) o-Xylene	11.95	106	373361	20.059	ug/l	98
70) Styrene	11.96	104	603337	20.164	ug/l	99
71) Bromoform	12.13	173	136333	19.519	ug/l #	99
73) Isopropylbenzene	12.25	105	1002424	20.271	ug/l	99
74) N-amyl acetate	12.07	43	264497	19.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	217783	19.651	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	277190	28.367	ug/l #	100
77) Bromobenzene	12.53	156	248621	19.767	ug/l	100
78) n-propylbenzene	12.59	91	1139219	20.200	ug/l	100
79) 2-Chlorotoluene	12.68	91	666423	19.988	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	815496	20.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57017	18.745	ug/l	95
82) 4-Chlorotoluene	12.77	91	682182	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	719578	20.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	817491	20.228	ug/l	100
85) sec-Butylbenzene	13.17	105	974389	20.432	ug/l	99
86) p-Isopropyltoluene	13.29	119	846646	20.491	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	442956	19.818	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	432486	19.539	ug/l	98
89) n-Butylbenzene	13.62	91	693598	19.941	ug/l	99
90) Hexachloroethane	13.88	117	135834	19.633	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	422382	19.645	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32908	19.698	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

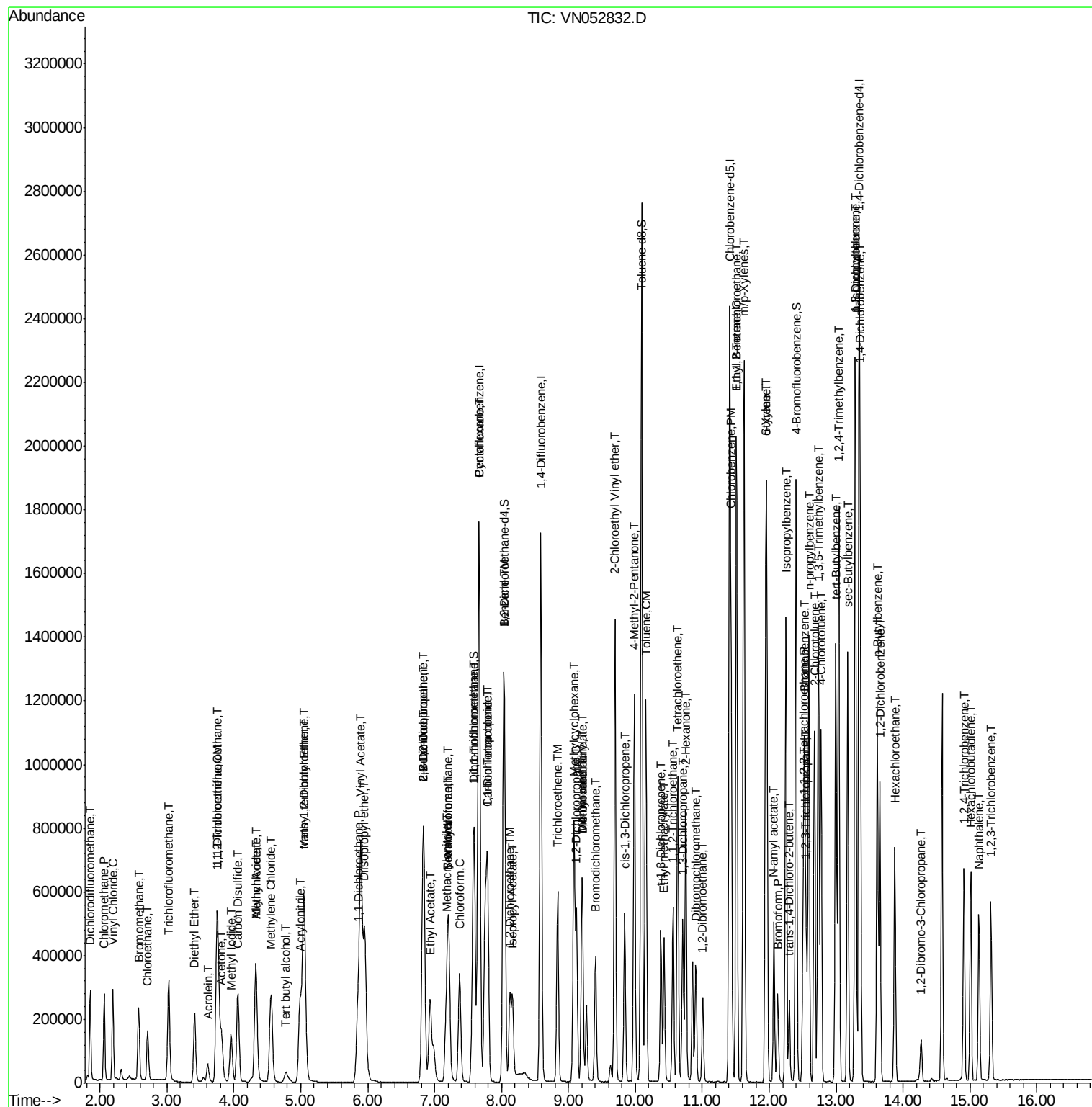
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	231454	19.804	ug/l	99
94) Hexachlorobutadiene	15.01	225	139603	20.637	ug/l	99
95) Naphthalene	15.13	128	460611	19.029	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206584	19.264	ug/l	99

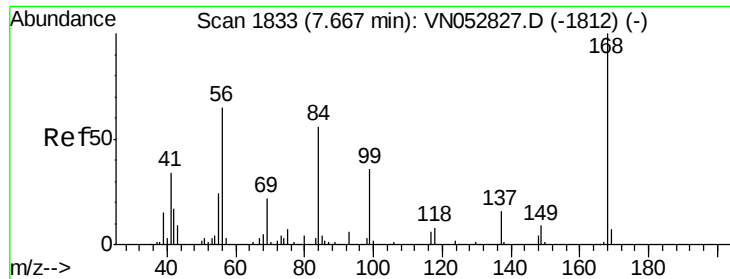
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052832.D
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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

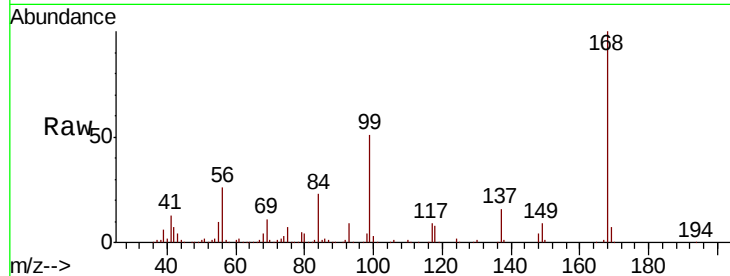
VN1212WBS02

Tot Ion:168 Resp: 1066085

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052832.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052832.D (-1740) (-)

7.67

500000

400000

300000

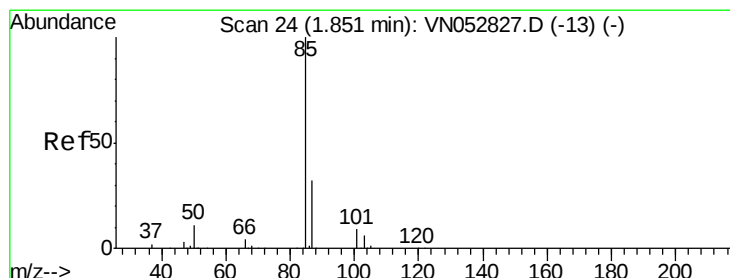
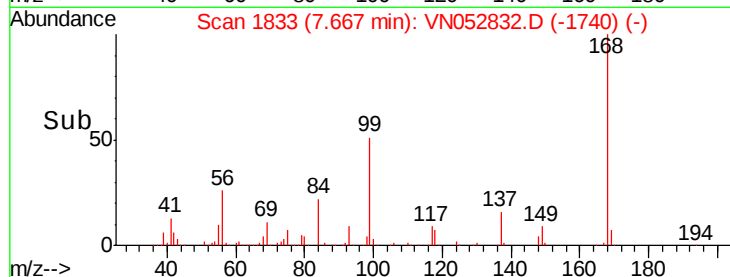
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.765 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052832.D

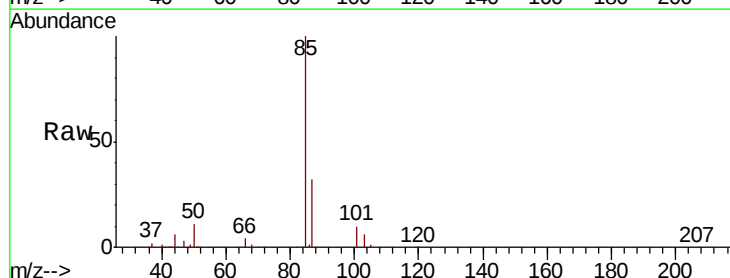
Acq: 12 Dec 2018 17:33

Tgt Ion: 85 Resp: 216912

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052832.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN052832.D (-1) (-)

1.85

150000

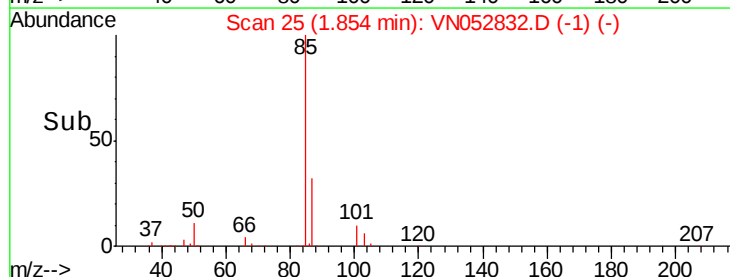
100000

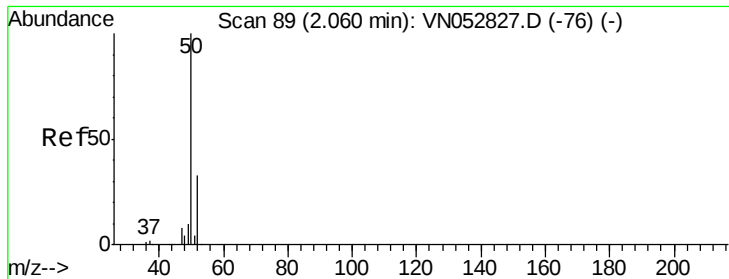
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.315 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

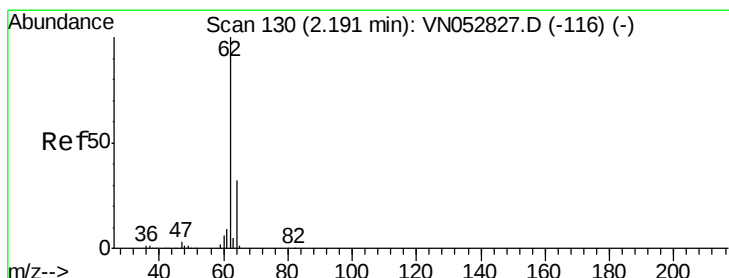
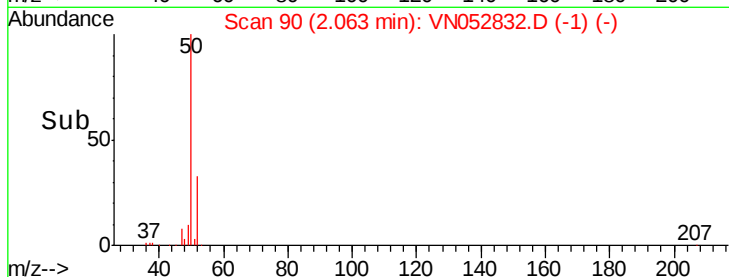
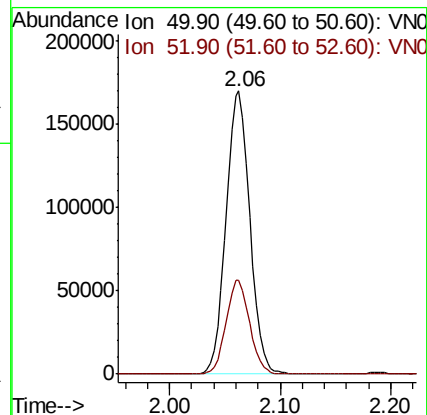
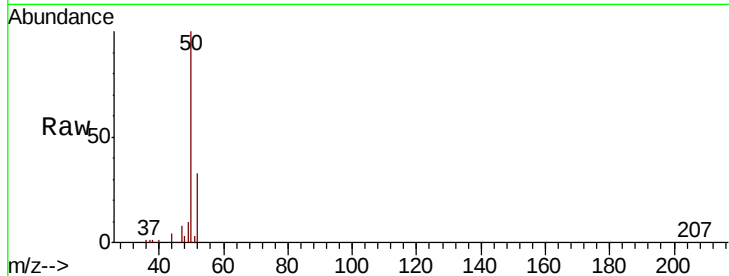
VN1212WBS02

Tot Ion: 50 Resp: 254409

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 19.460 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052832.D

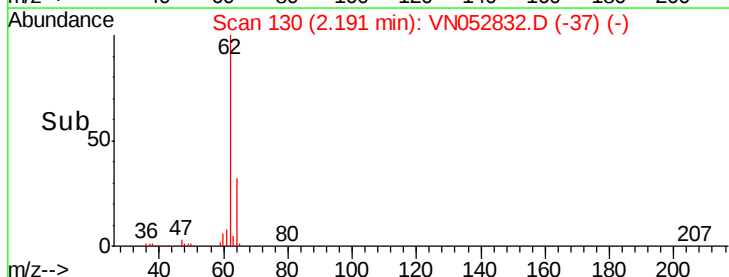
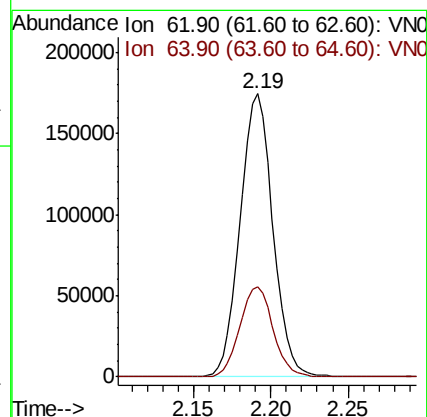
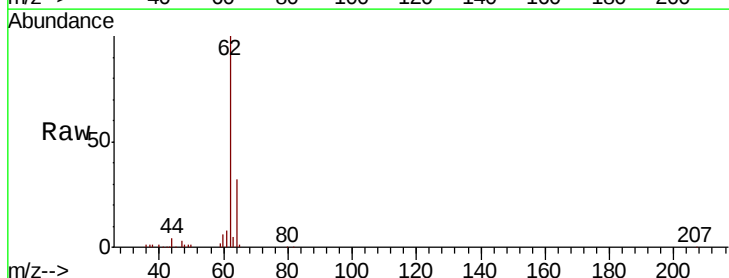
Acq: 12 Dec 2018 17:33

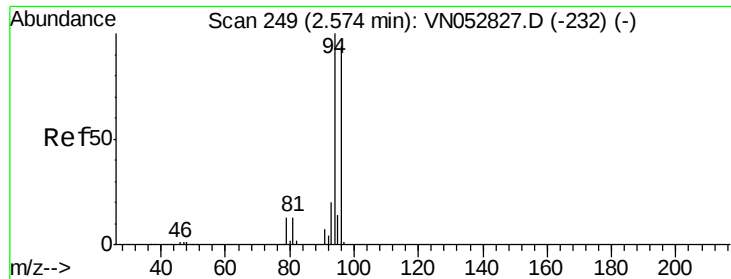
Tgt Ion: 62 Resp: 256426

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 19.052 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

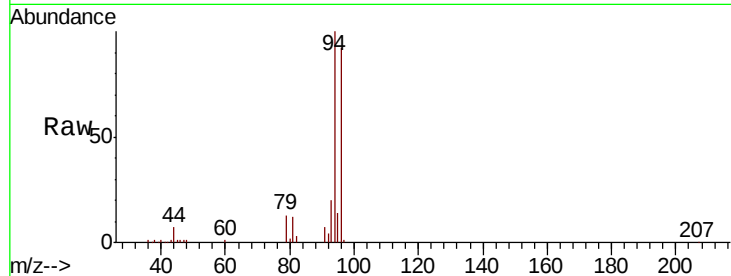
VN1212WBS02

Tot Ion: 94 Resp: 154847

Ion Ratio Lower Upper

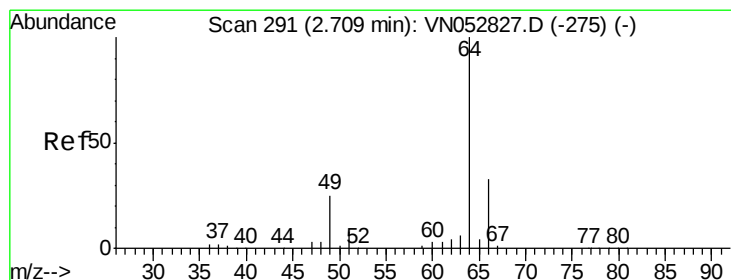
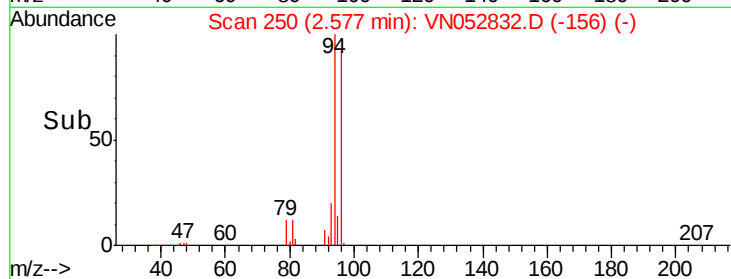
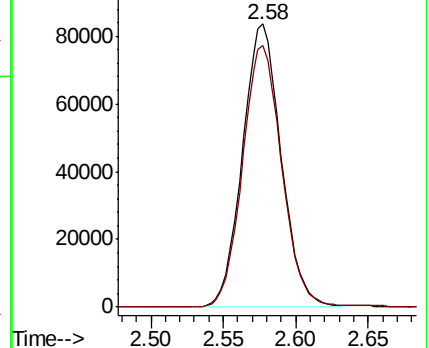
94 100

96 92.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.269 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052832.D

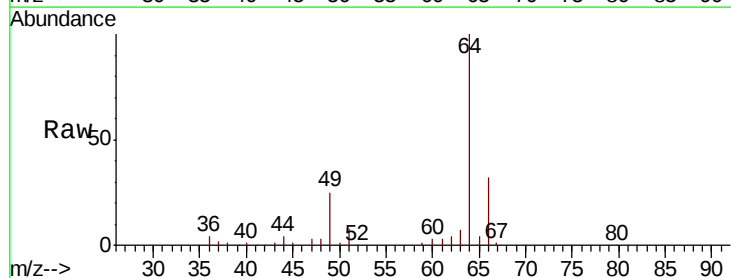
Acq: 12 Dec 2018 17:33

Tgt Ion: 64 Resp: 150080

Ion Ratio Lower Upper

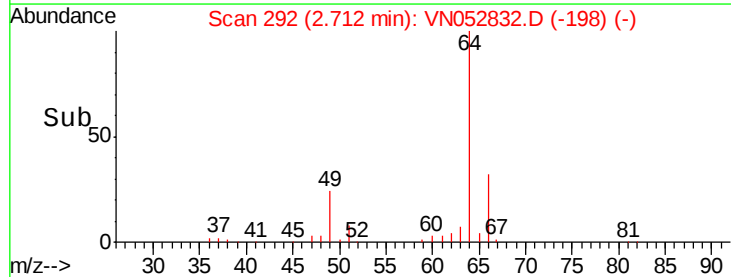
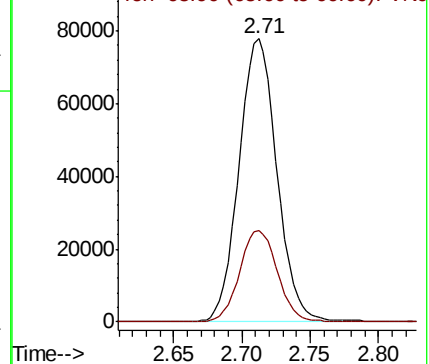
64 100

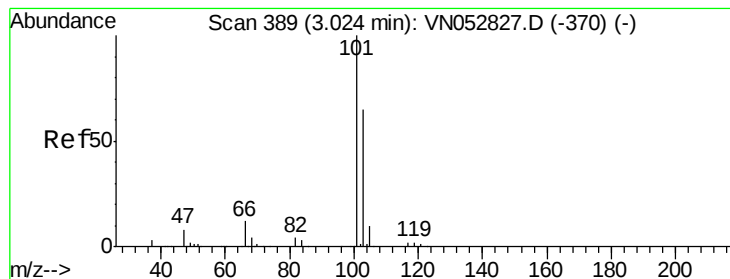
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



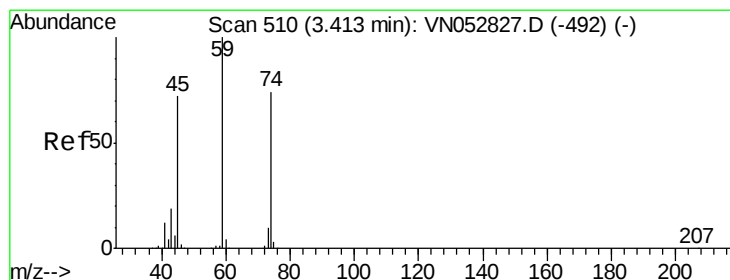
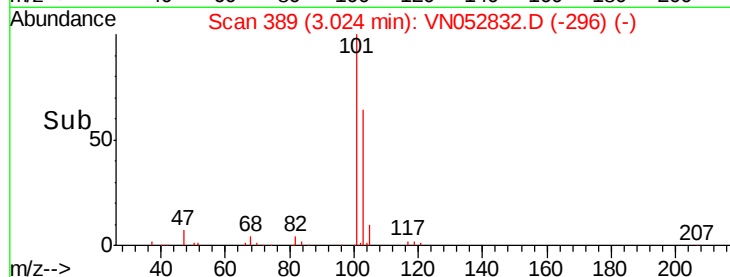
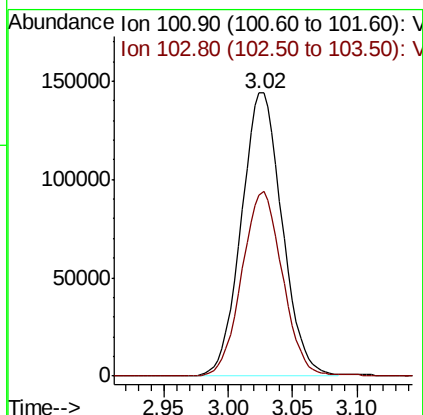
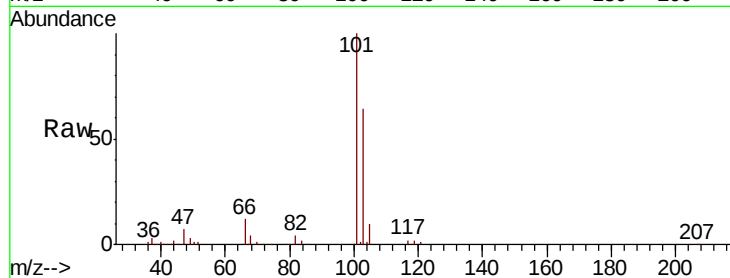


#7

Trichlorofluoromethane
 Concen: 19.470 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
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 VN1212WBS02

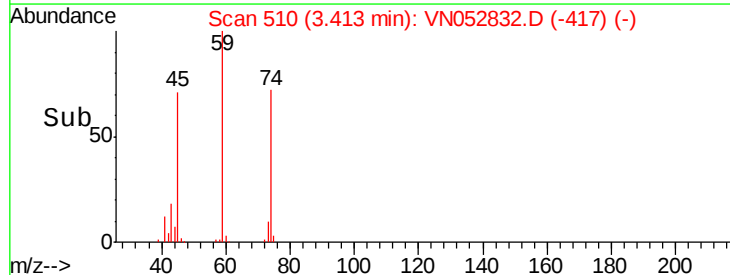
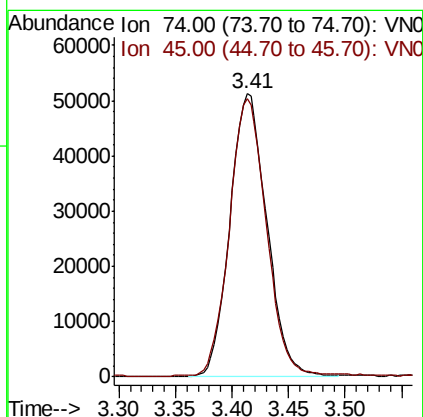
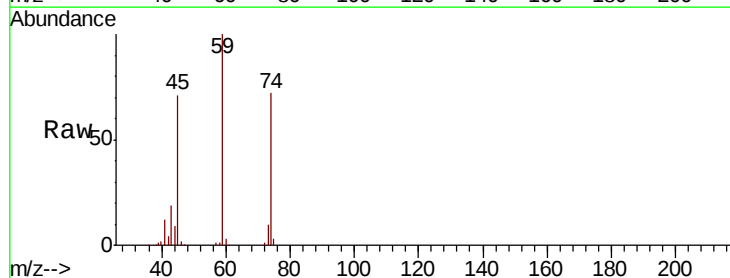
Tot Ion:101 Resp: 318083
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.6

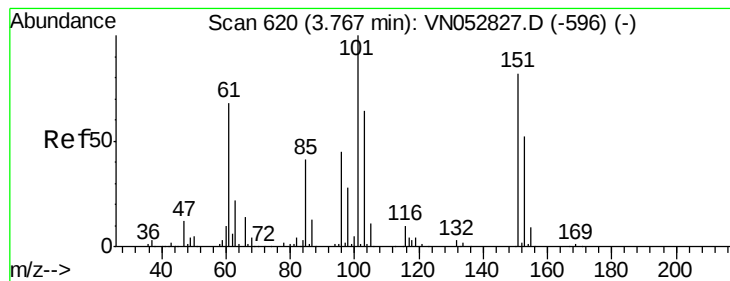


#8

Diethyl Ether
 Concen: 19.626 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 74 Resp: 116957
 Ion Ratio Lower Upper
 74 100
 45 98.7 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.119 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

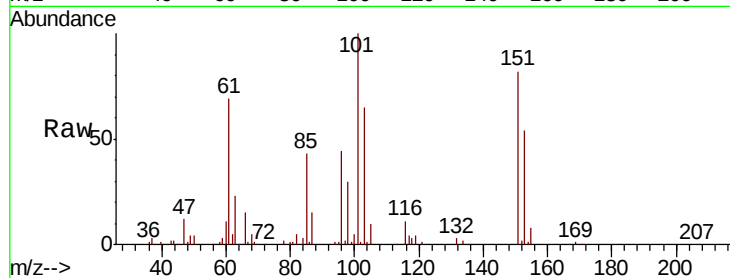
Tot Ion:101 Resp: 203705

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

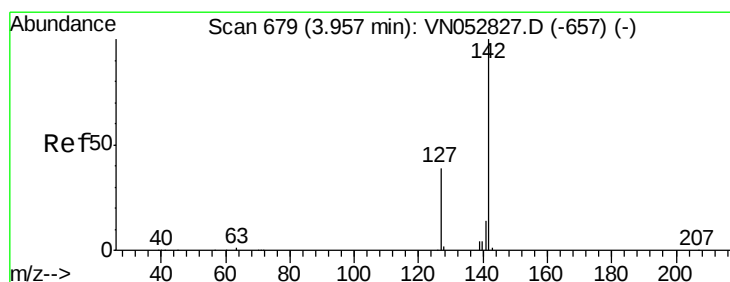
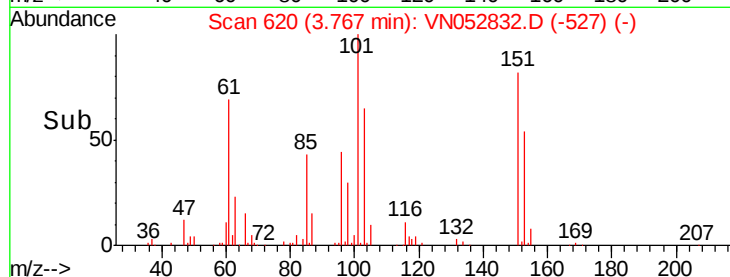
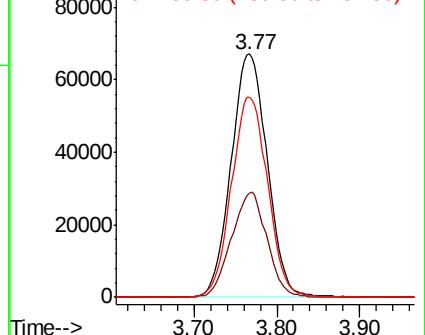
151 82.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.490 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

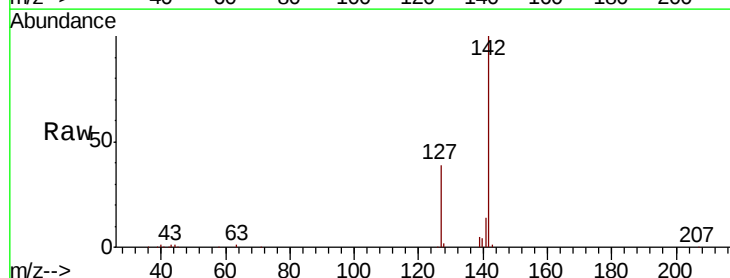
Tgt Ion:142 Resp: 248000

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.6

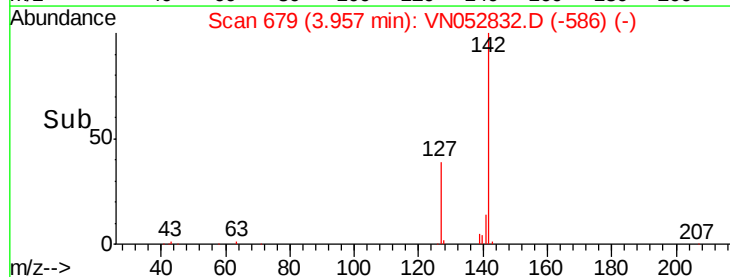
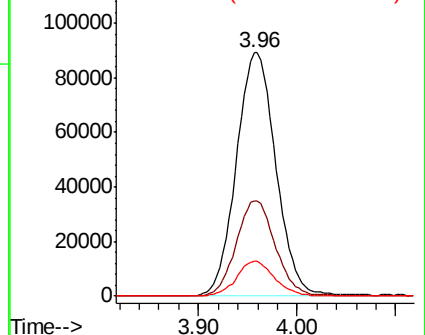
141 13.8 11.2 16.8

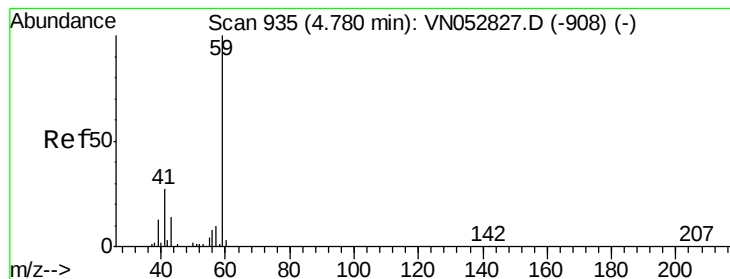


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.713 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

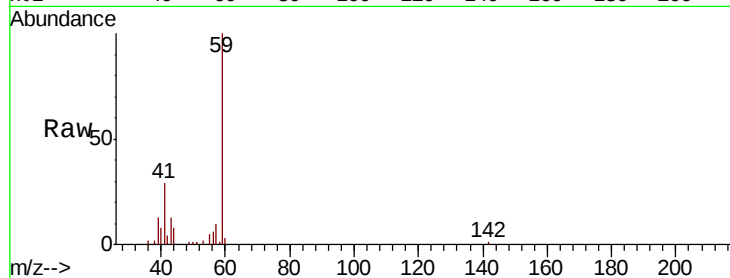
VN1212WBS02

Tot Ion: 59 Resp: 59356

Ion Ratio Lower Upper

59 100

57 10.2 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052832.D (-842) (-)

Ion 57.00 (56.70 to 57.70): VN052832.D (-842) (-)

4.78

15000

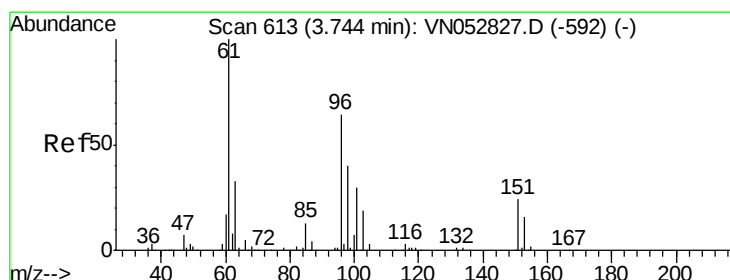
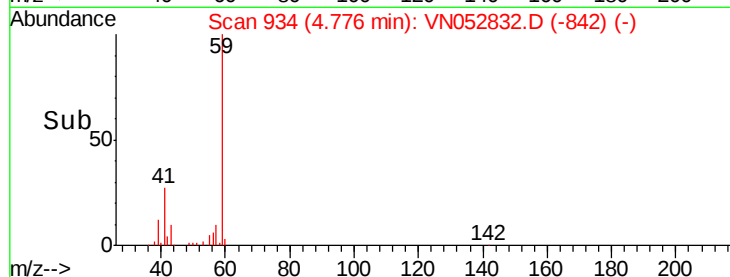
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.284 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

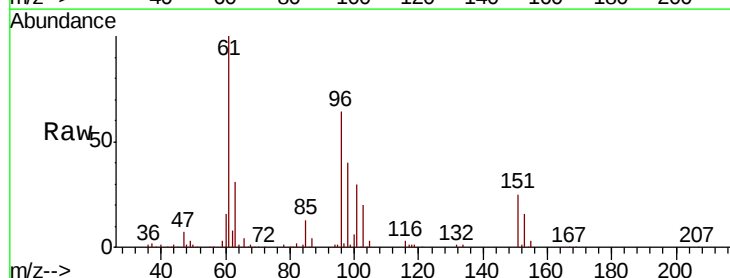
Tgt Ion: 96 Resp: 189016

Ion Ratio Lower Upper

96 100

61 157.2 125.6 188.4

98 63.1 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN052832.D (-520) (-)

Ion 60.90 (60.60 to 61.60): VN052832.D (-520) (-)

Ion 97.90 (97.60 to 98.60): VN052832.D (-520) (-)

3.74

150000

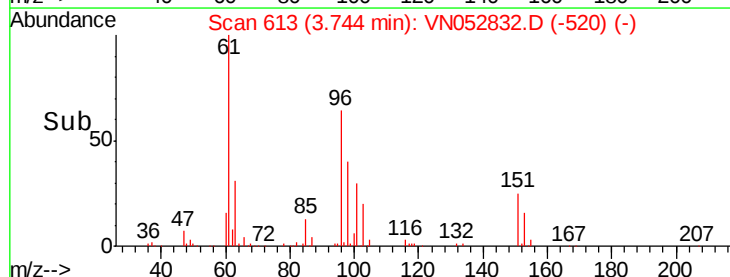
100000

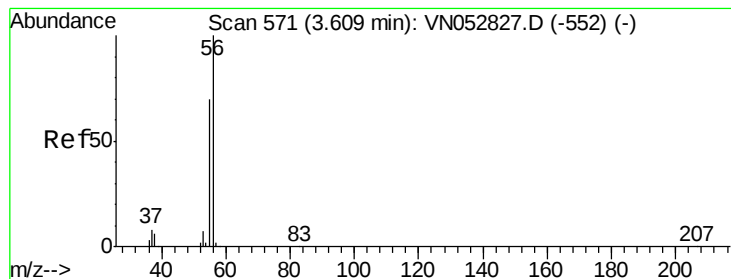
50000

0

3.70 3.80

Time-->





#13

Acrolein

Concen: 112.837 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

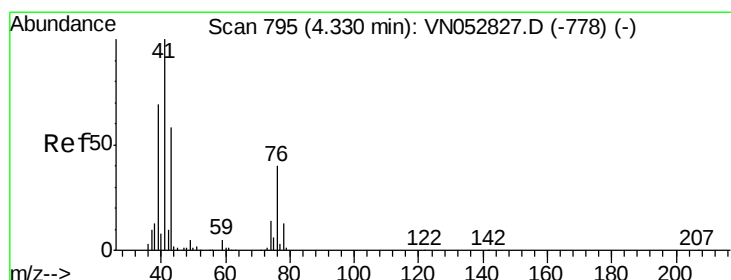
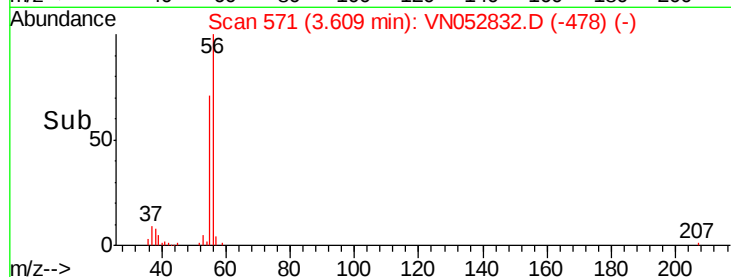
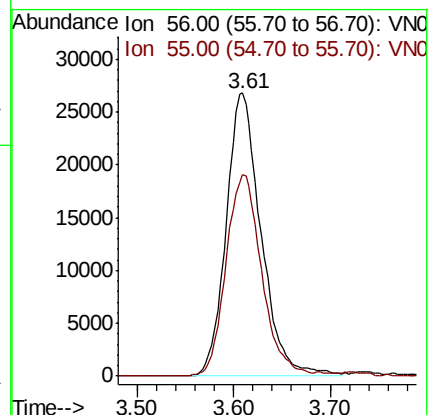
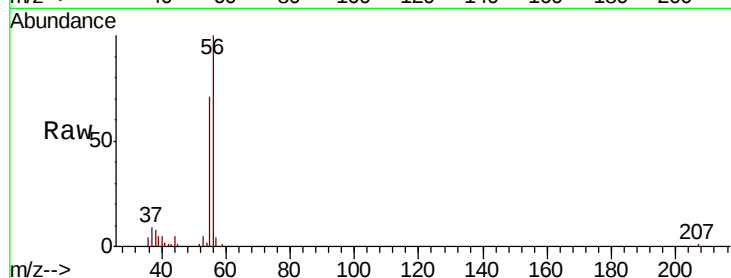
VN1212WBS02

Tot Ion: 56 Resp: 67288

Ion Ratio Lower Upper

56 100

55 72.6 56.6 85.0



#14

Allyl chloride

Concen: 19.626 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

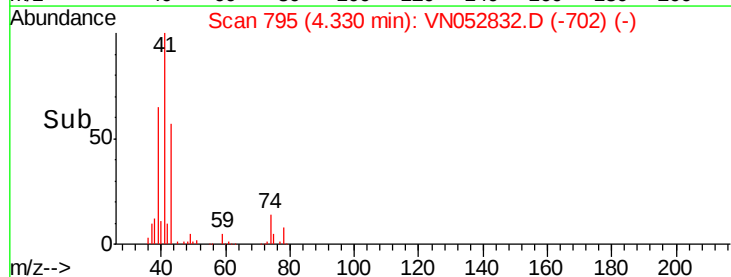
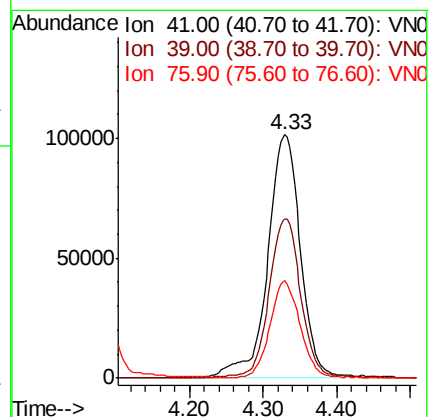
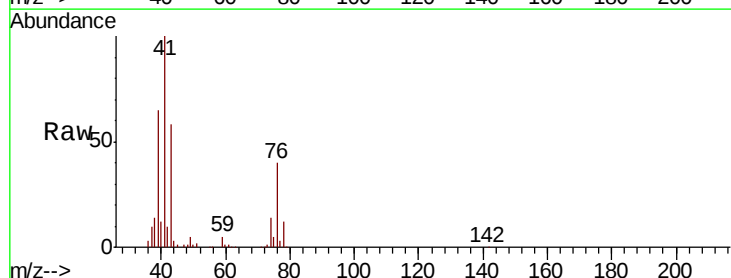
Tgt Ion: 41 Resp: 314193

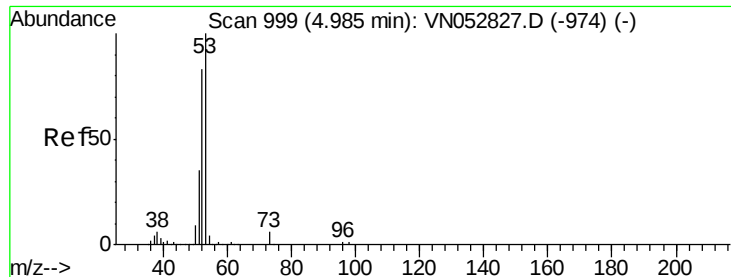
Ion Ratio Lower Upper

41 100

39 63.8 54.1 81.1

76 36.3 30.3 45.5





#15

Acrylonitrile

Concen: 97.272 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS02

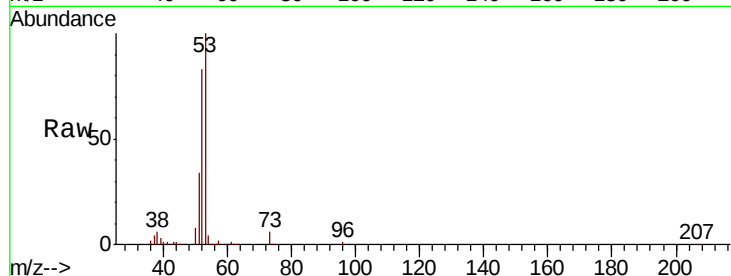
Tot Ion: 53 Resp: 345636

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

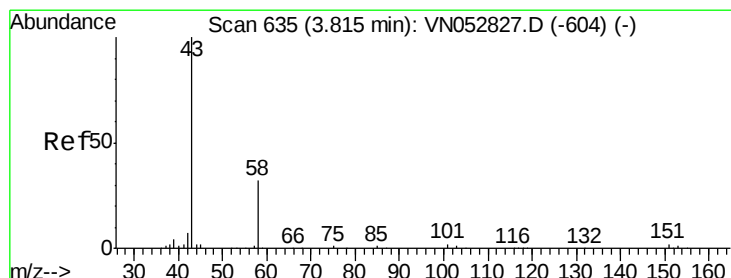
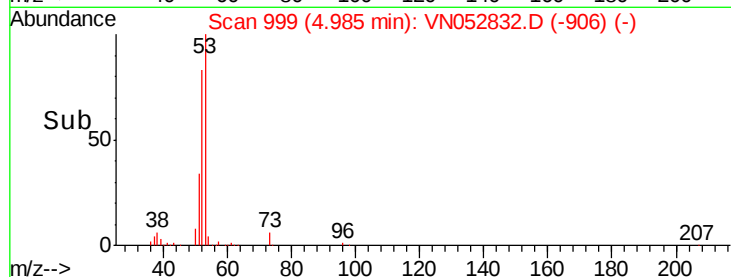
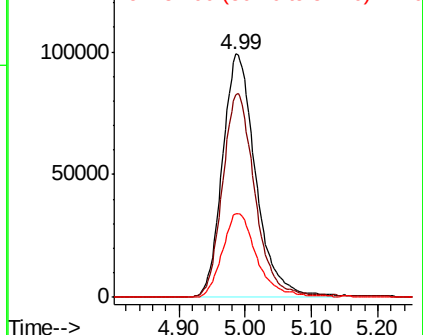
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.594 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052832.D

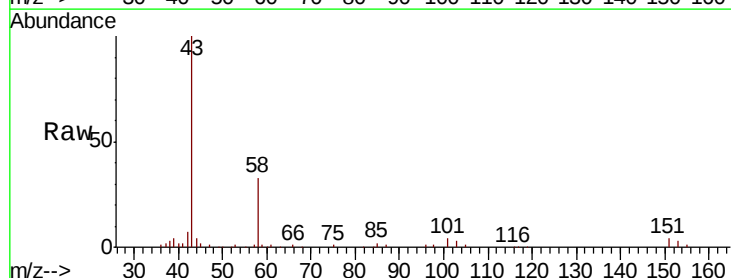
Acq: 12 Dec 2018 17:33

Tgt Ion: 43 Resp: 230642

Ion Ratio Lower Upper

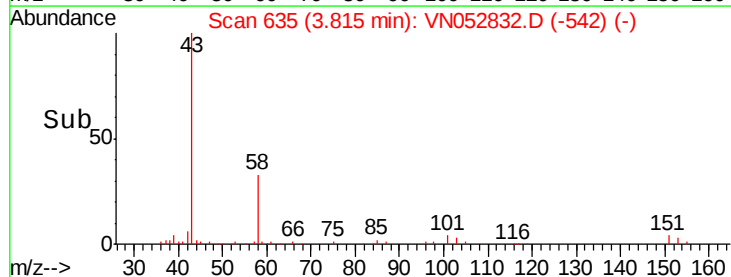
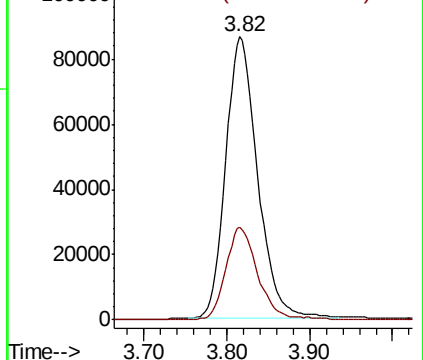
43 100

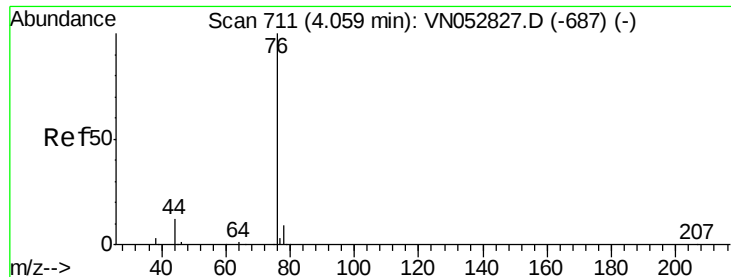
58 32.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.148 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

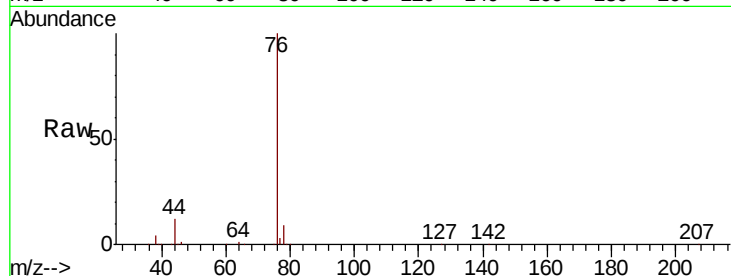
VN1212WBS02

Tot Ion: 76 Resp: 576553

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052832.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052832.D (-618) (-)

4.06

250000

200000

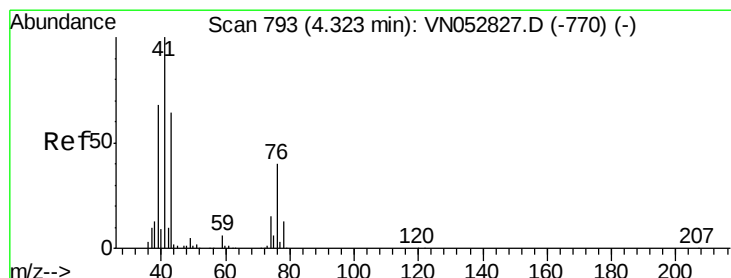
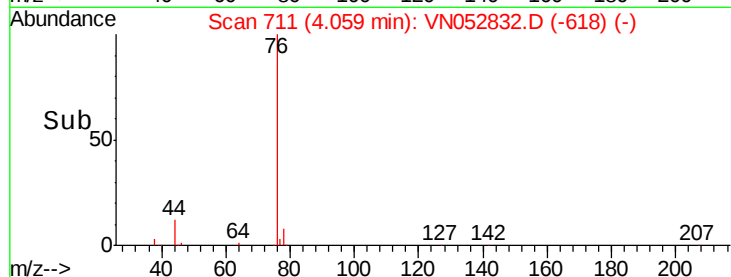
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.767 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052832.D

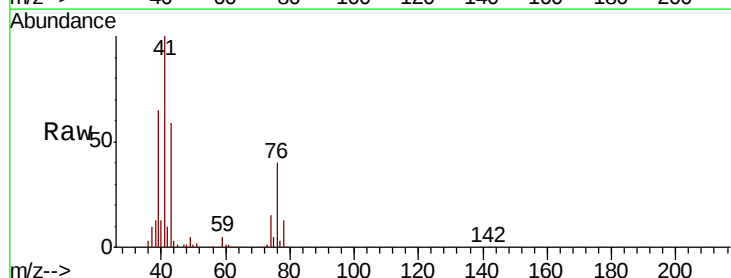
Acq: 12 Dec 2018 17:33

Tgt Ion: 43 Resp: 175343

Ion Ratio Lower Upper

43 100

74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052832.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052832.D (-700) (-)

4.33

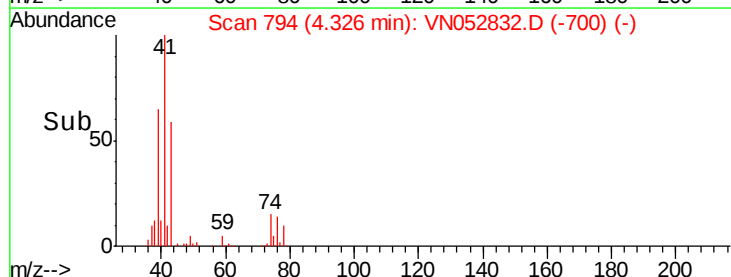
60000

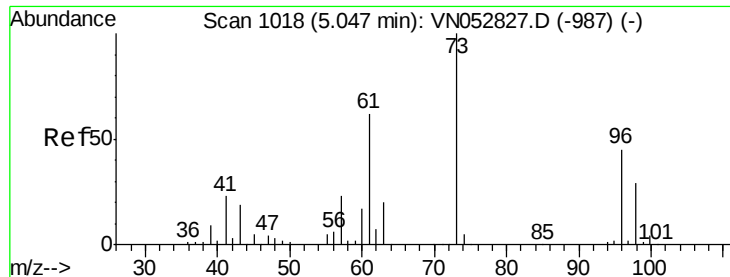
40000

20000

0

Time-->

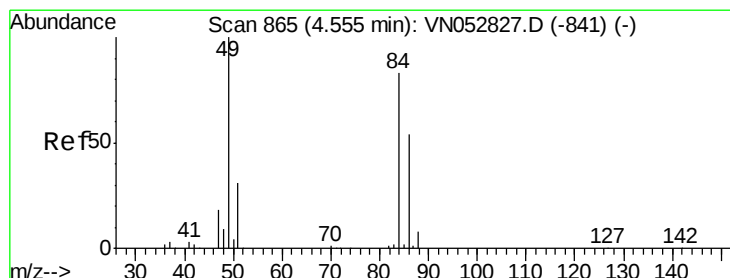
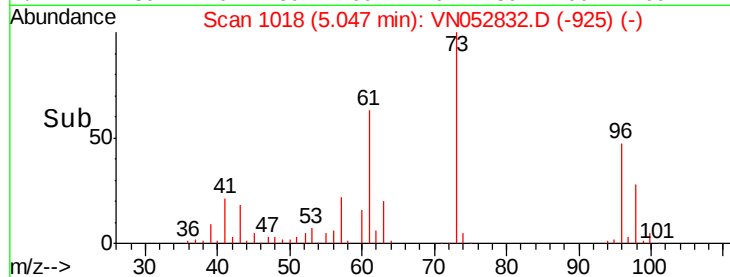
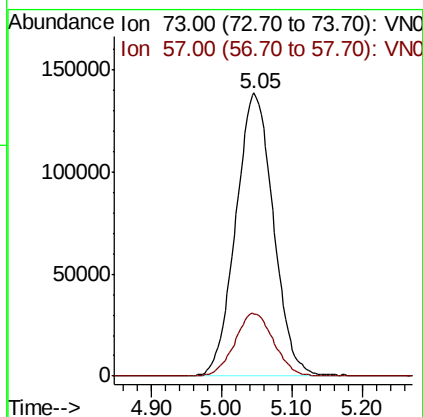
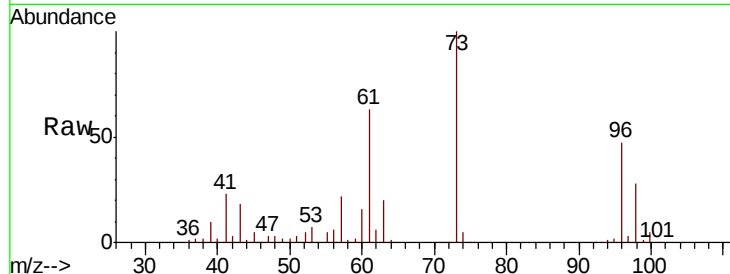




#19
Methyl tert-butyl Ether
Concen: 19.381 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

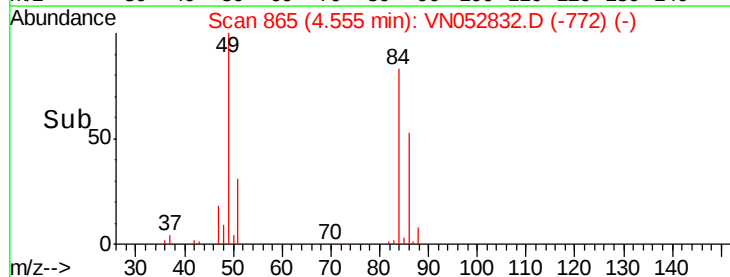
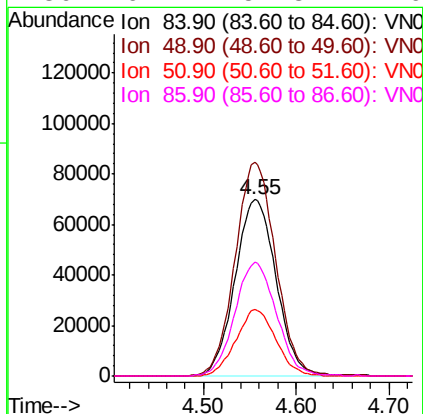
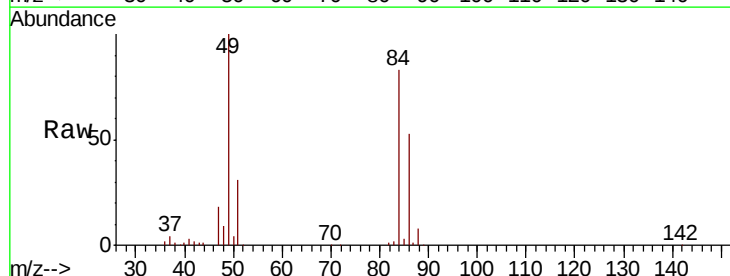
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

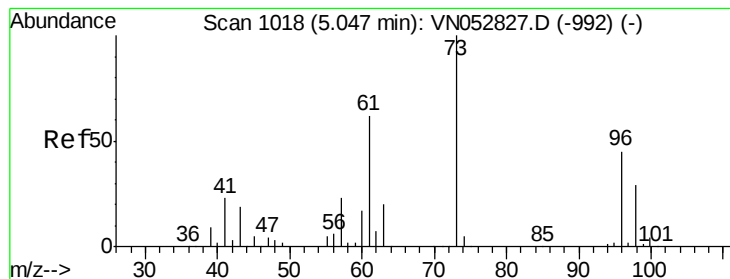
Tot Ion: 73 Resp: 515721
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6



#20
Methylene Chloride
Concen: 18.823 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 84 Resp: 215659
Ion Ratio Lower Upper
84 100
49 120.7 96.8 145.2
51 37.6 29.9 44.9
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.082 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS02

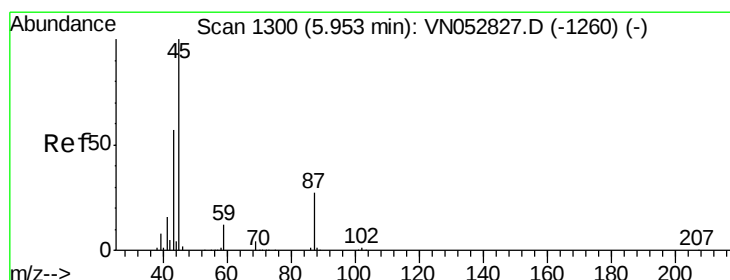
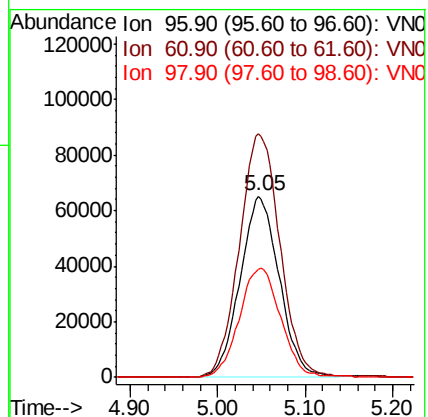
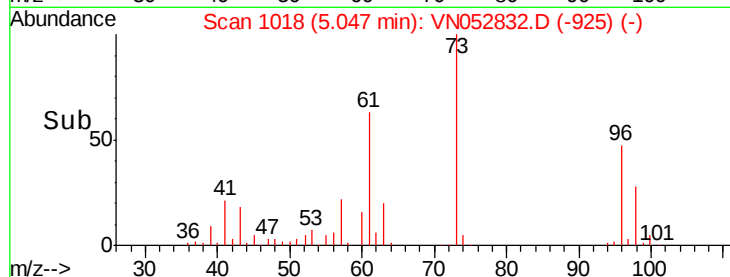
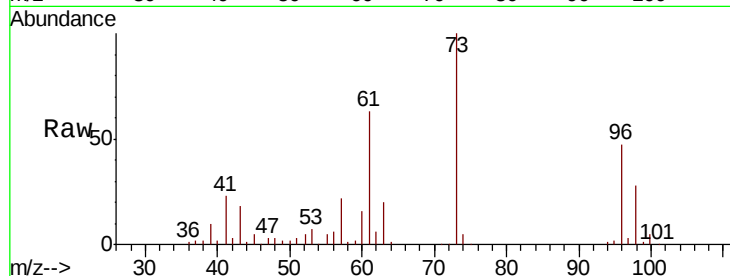
Tot Ion: 96 Resp: 202632

Ion Ratio Lower Upper

96 100

61 134.4 110.8 166.2

98 59.5 51.4 77.2



#22

Diisopropyl ether

Concen: 19.441 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion: 45 Resp: 663981

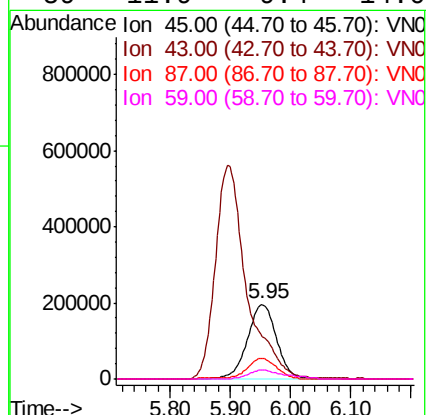
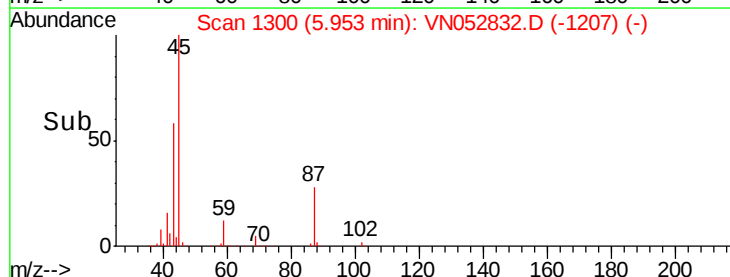
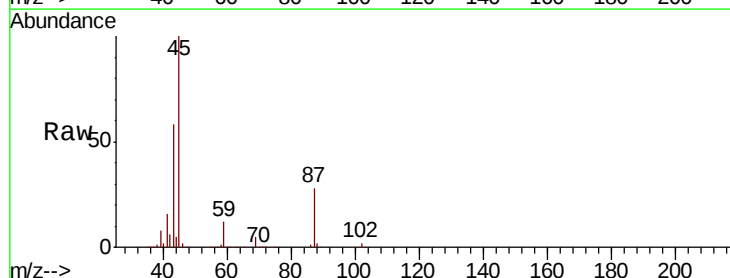
Ion Ratio Lower Upper

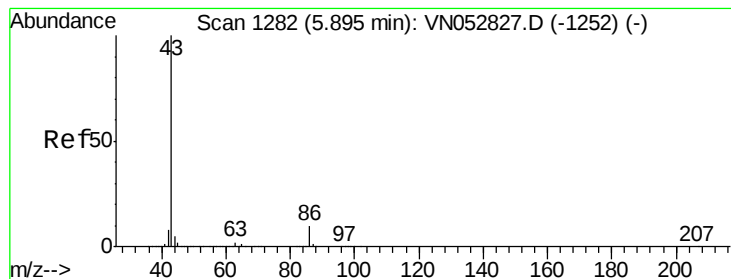
45 100

43 56.7 45.5 68.3

87 27.6 22.0 33.0

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 98.627 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

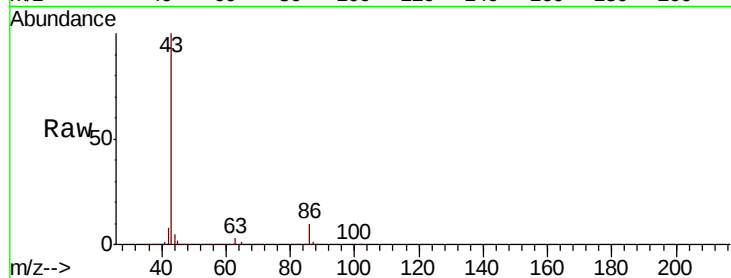
VN1212WBS02

Tot Ion: 43 Resp: 2004378

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

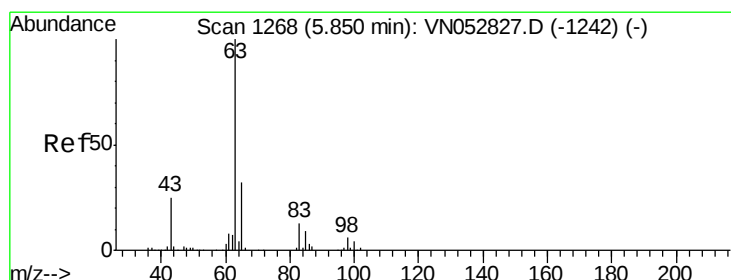
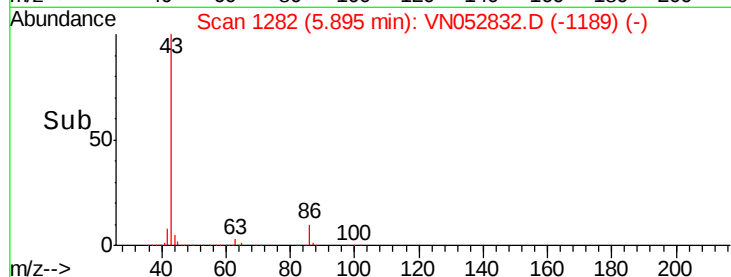
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.413 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

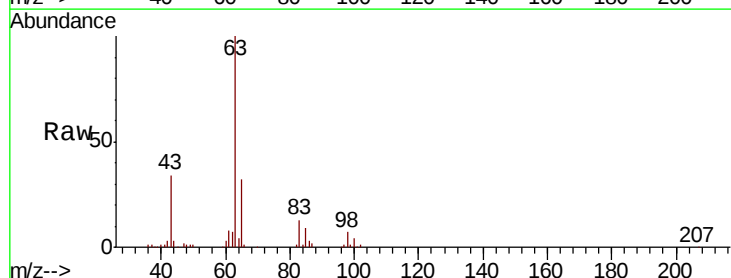
Tgt Ion: 63 Resp: 382341

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

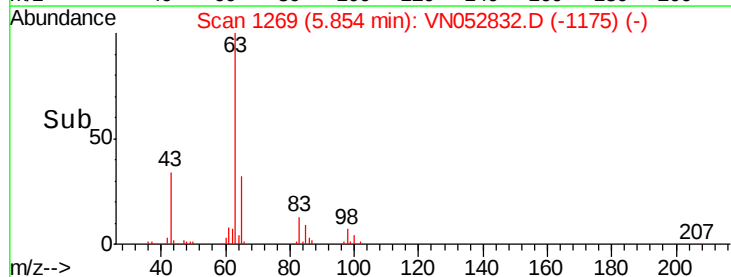
150000

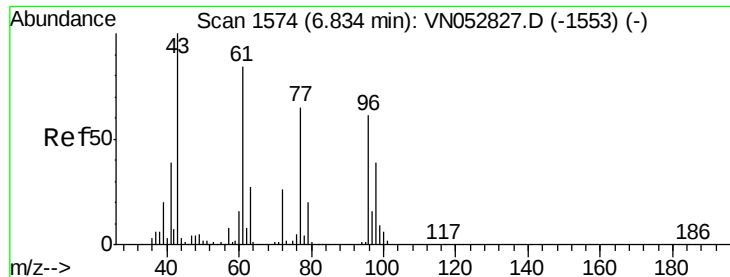
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 93.649 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

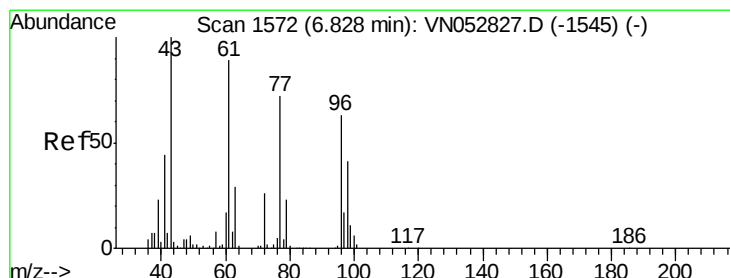
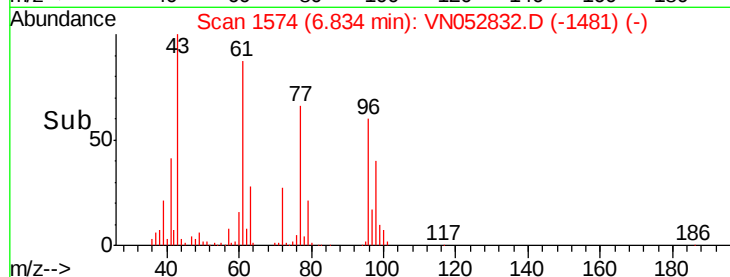
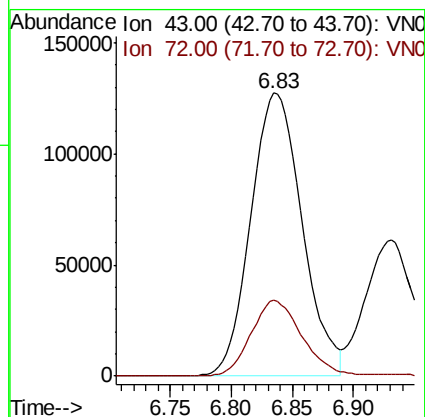
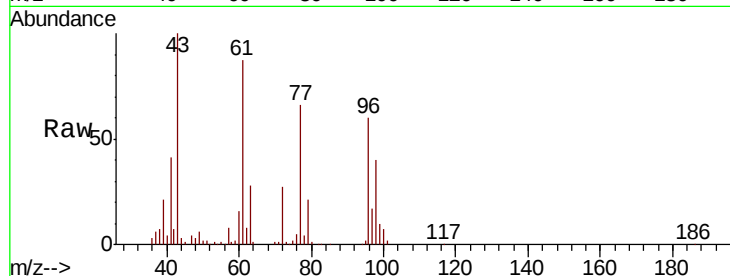
VN1212WBS02

Tot Ion: 43 Resp: 369943

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.352 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052832.D

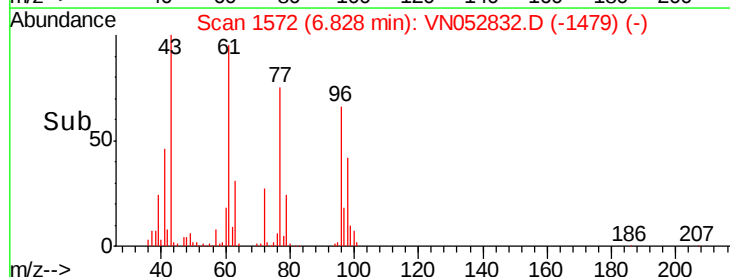
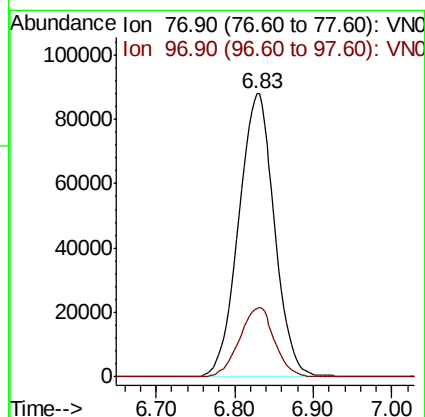
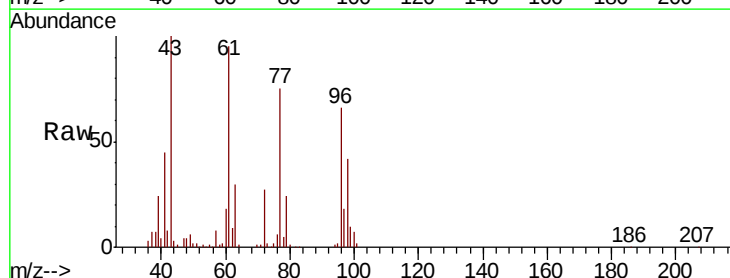
Acq: 12 Dec 2018 17:33

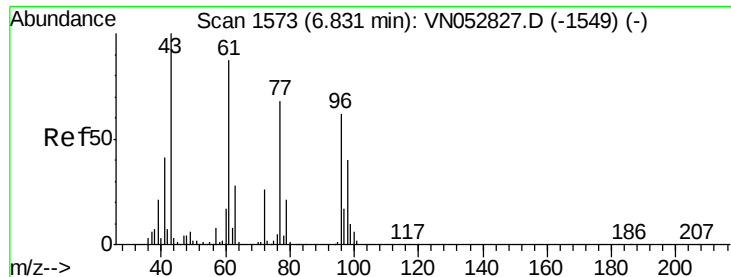
Tgt Ion: 77 Resp: 280688

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.157 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS02

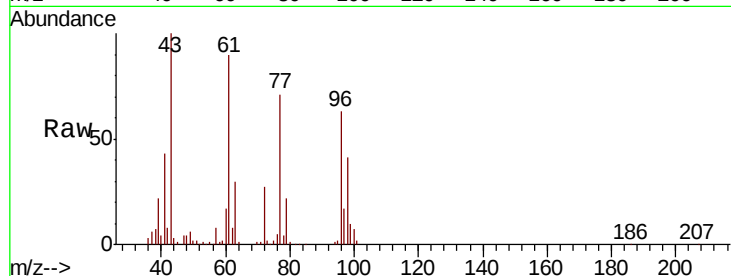
Tot Ion: 96 Resp: 230881

Ion Ratio Lower Upper

96 100

61 145.1 0.0 284.2

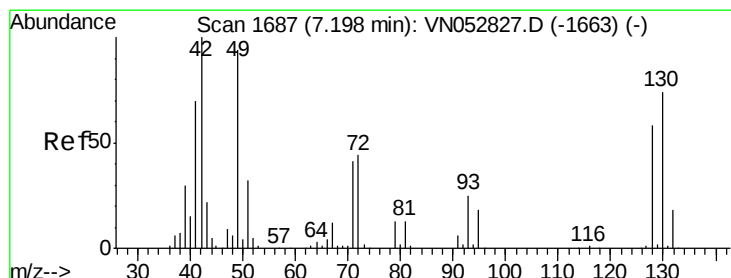
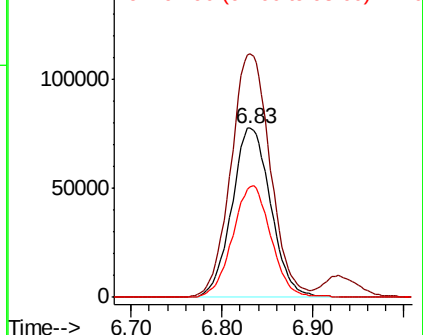
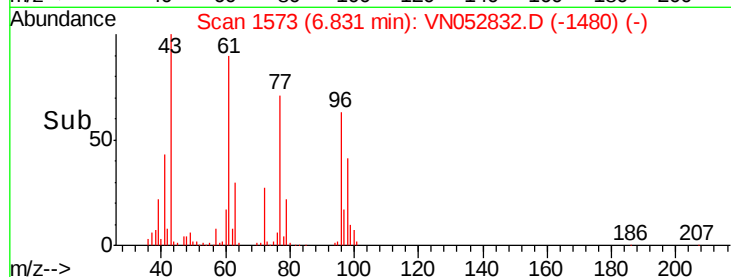
98 65.3 0.0 129.2



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: 20.093 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

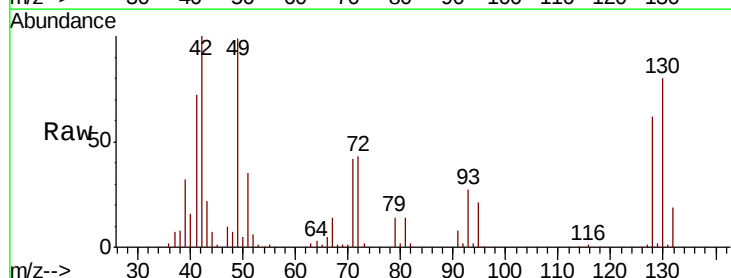
Tgt Ion: 49 Resp: 177705

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.0

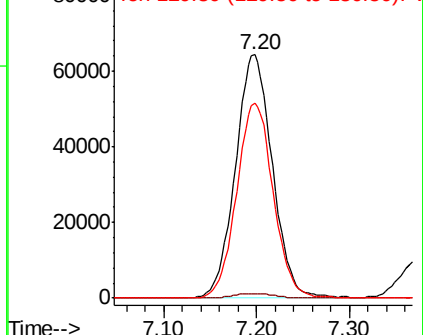
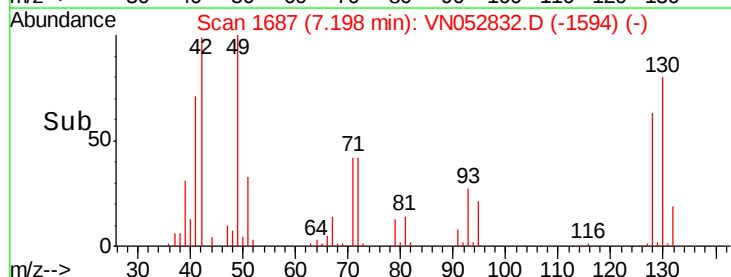
130 79.5 63.3 94.9

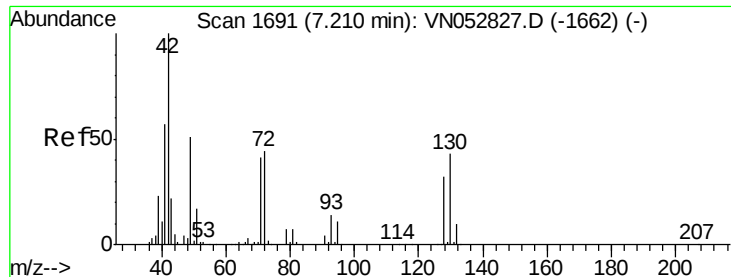


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

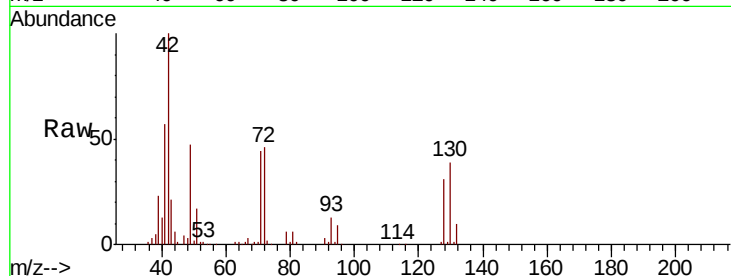




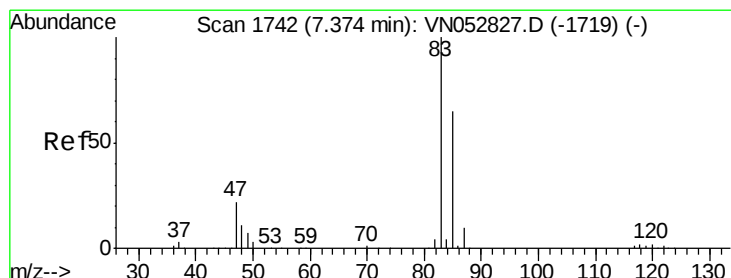
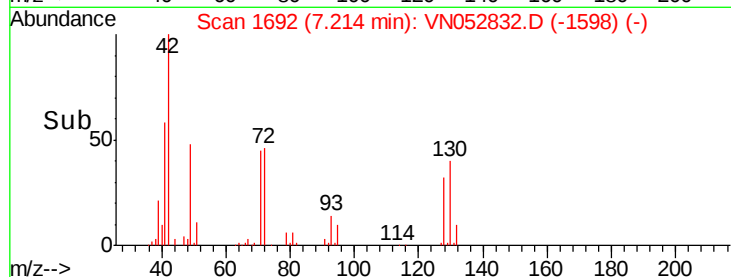
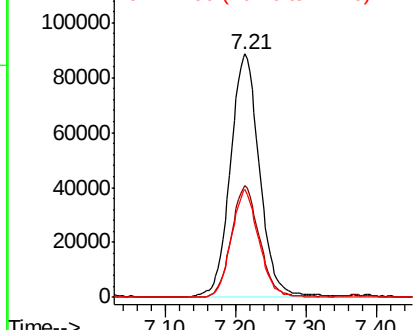
#29
Tetrahydrofuran
Concen: 94.223 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 42 Resp: 254103
Ion Ratio Lower Upper
42 100
72 44.3 34.7 52.1
71 42.0 32.3 48.5

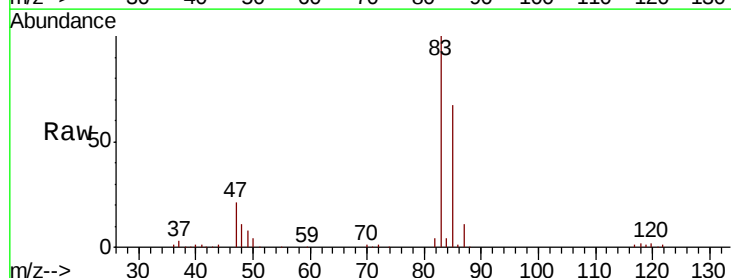


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

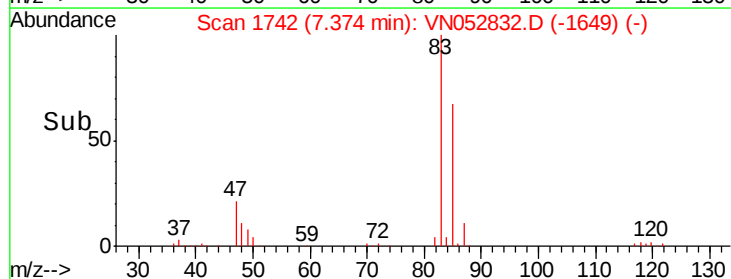
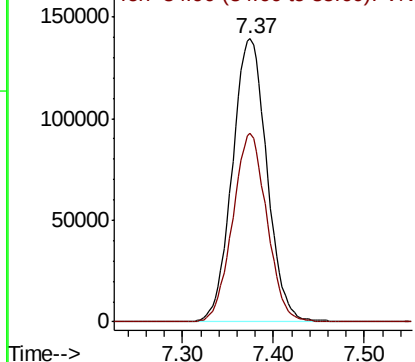


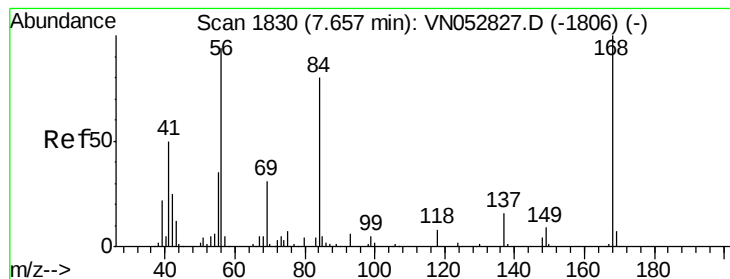
#30
Chloroform
Concen: 19.160 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 83 Resp: 368001
Ion Ratio Lower Upper
83 100
85 66.7 52.1 78.1



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





#31

Cyclohexane

Concen: 19.576 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

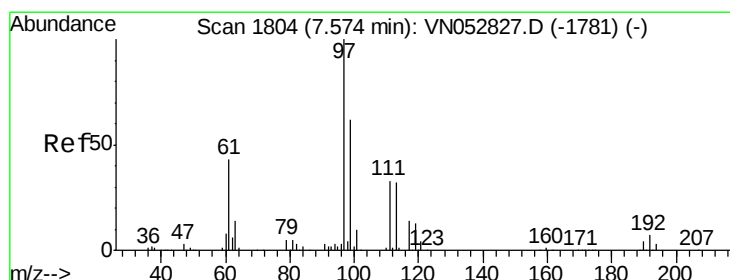
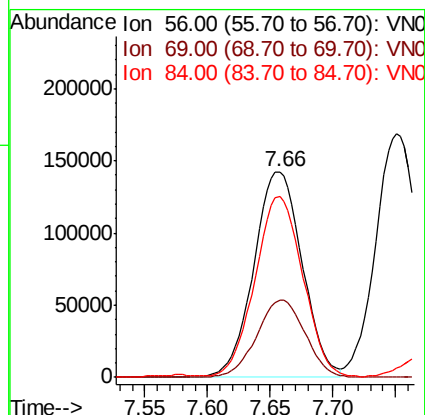
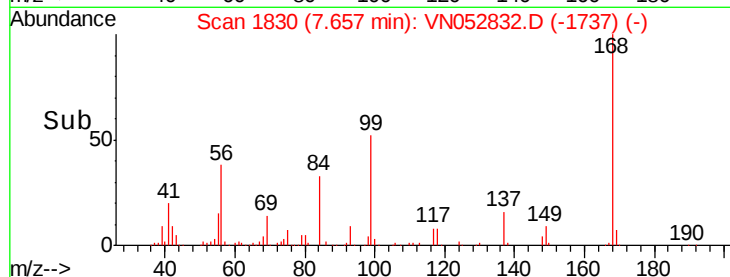
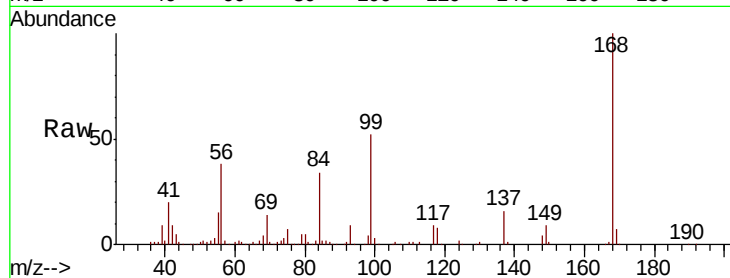
Tot Ion: 56 Resp: 382821

Ion Ratio Lower Upper

56 100

69 37.4 26.6 39.8

84 87.3 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 19.276 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

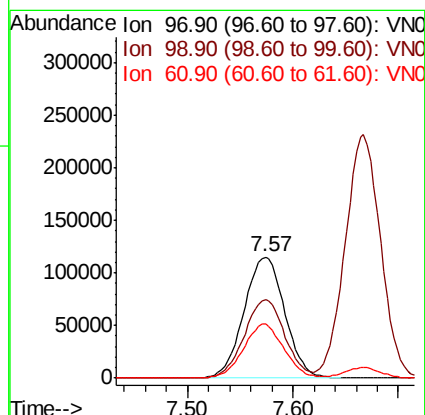
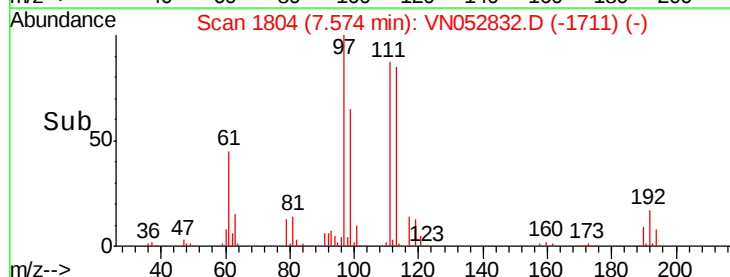
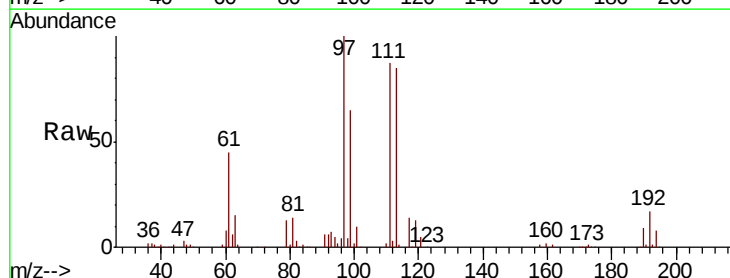
Tgt Ion: 97 Resp: 309756

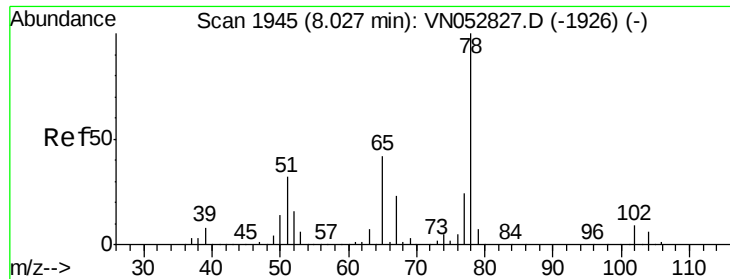
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 44.0 35.0 52.6

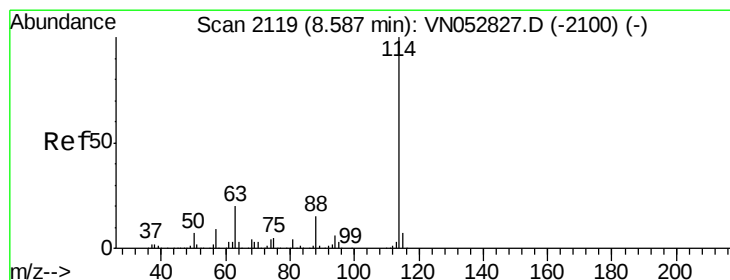
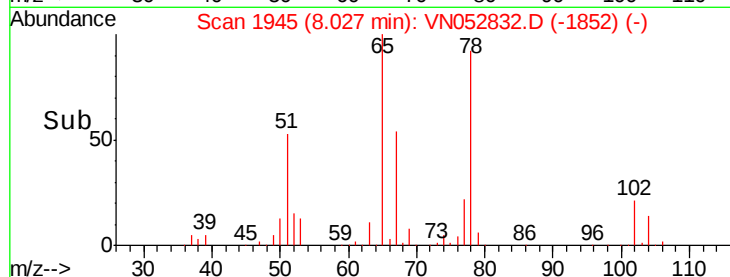
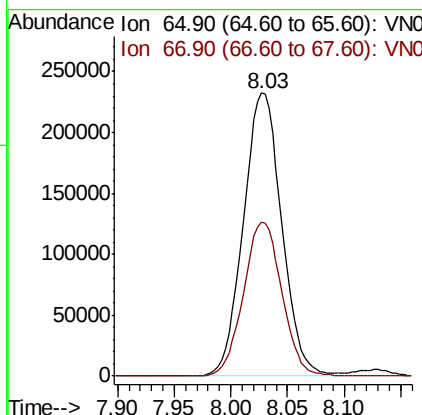
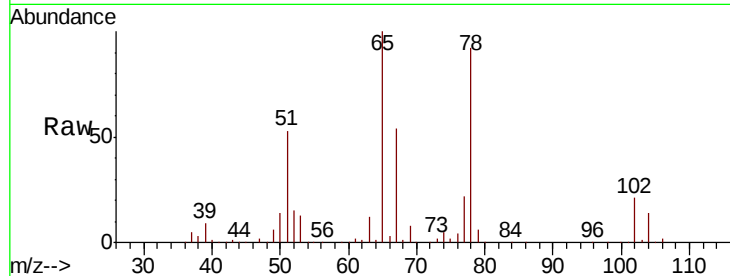




#33
 1,2-Dichloroethane-d4
 Concen: 19.276 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

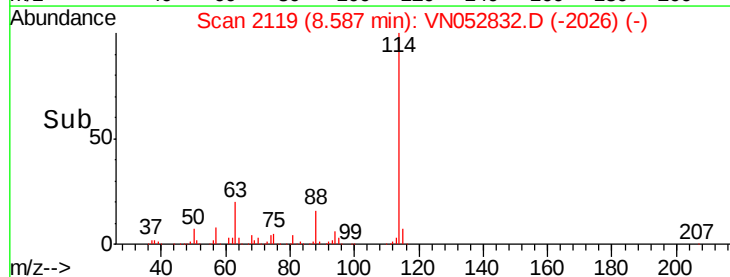
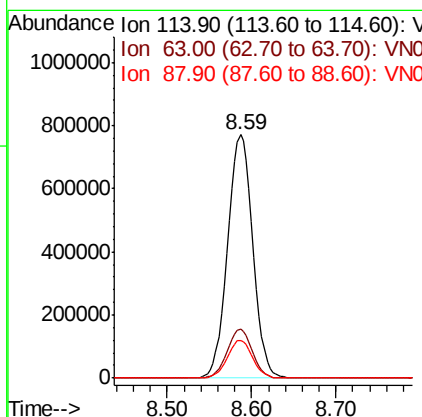
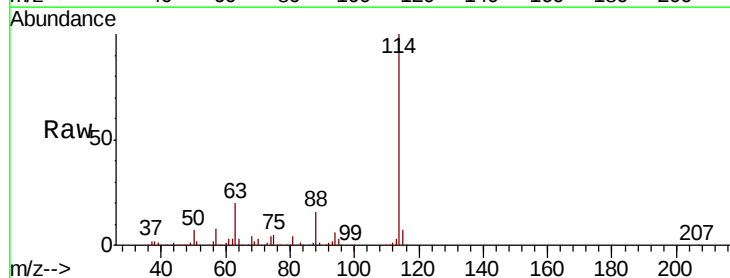
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

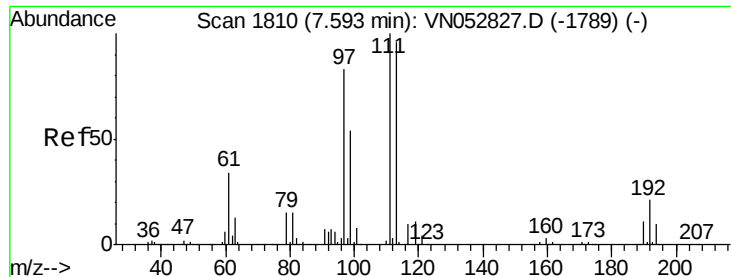
Tot Ion: 65 Resp: 548987
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 114 Resp: 1597558
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.7 0.0 31.0

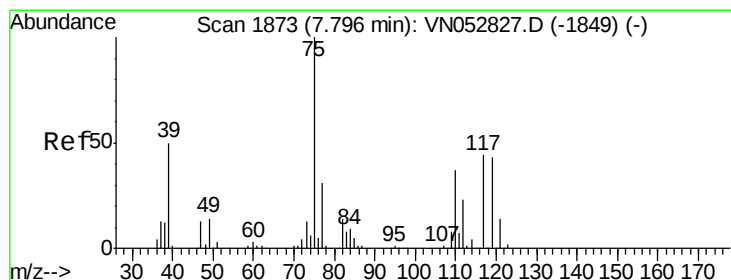
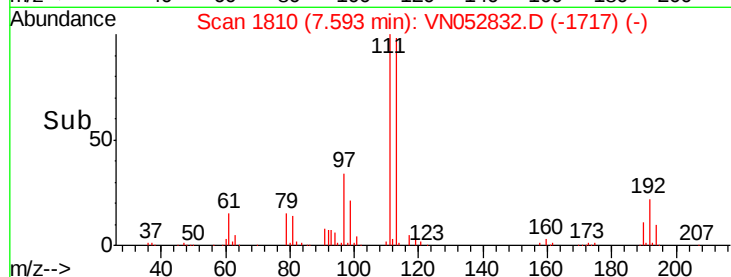
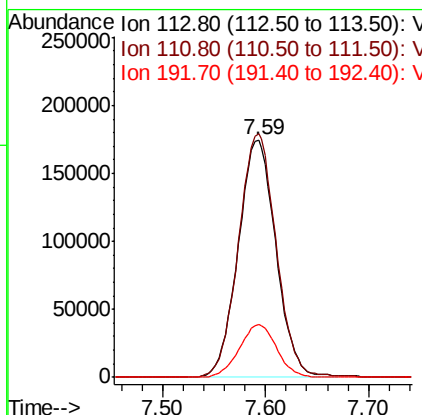
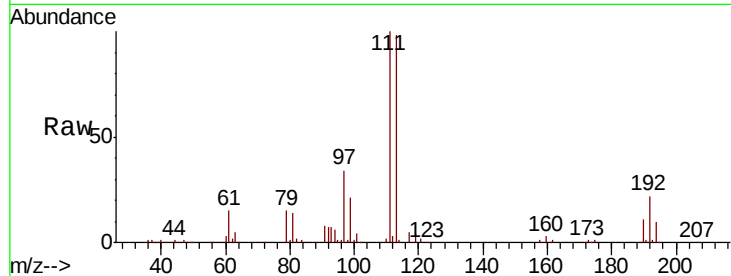




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

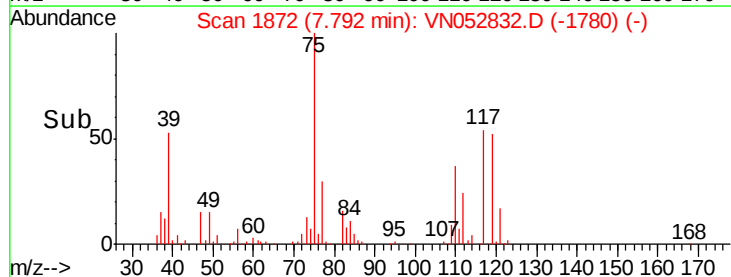
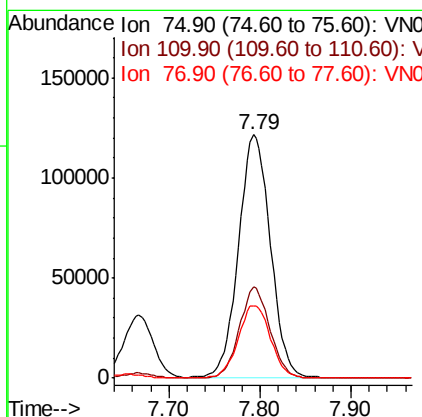
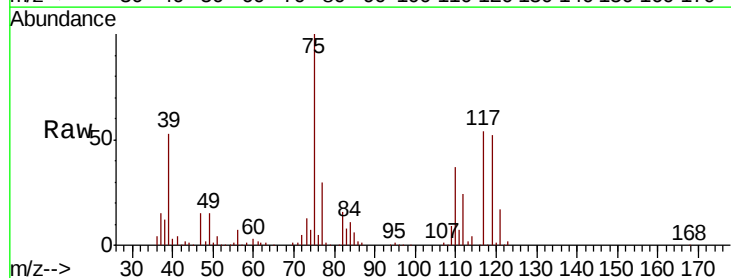
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

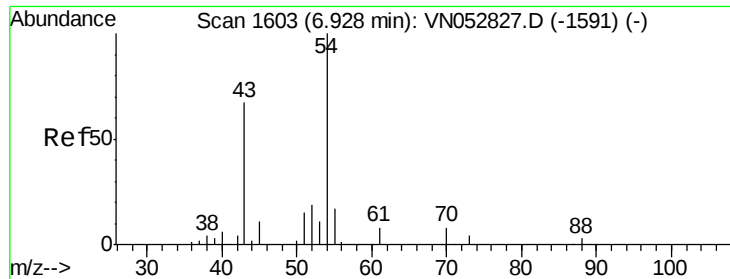
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	22.0	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 20.078 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.2	54.6
77	30.4	24.9	37.3

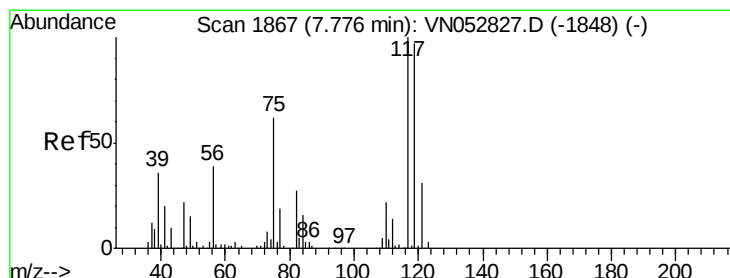
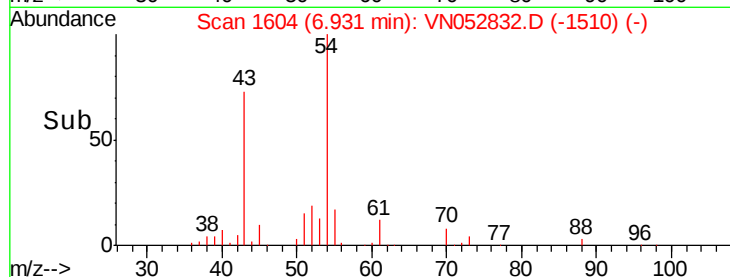
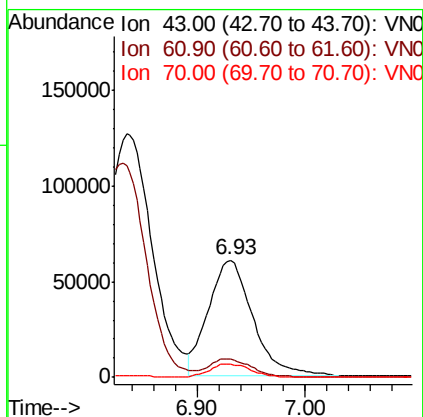
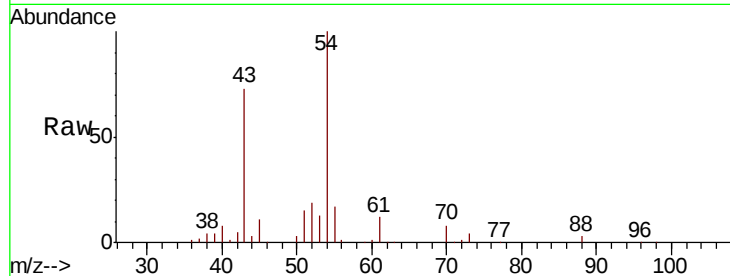




#37
Ethyl Acetate
Concen: 19.526 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

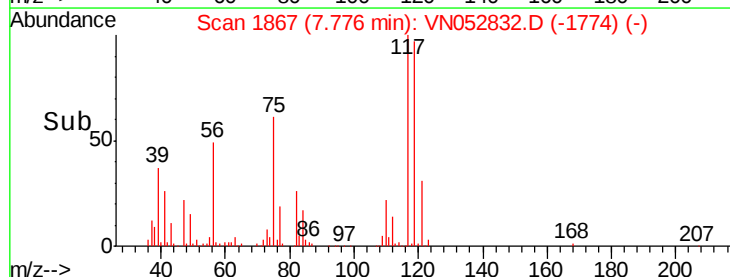
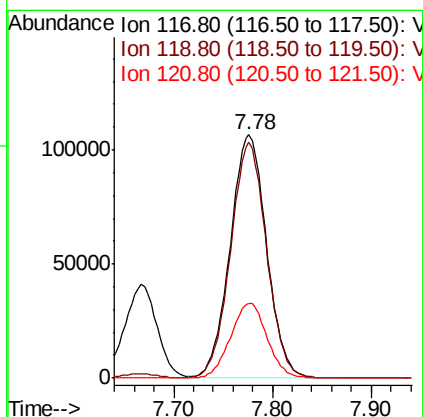
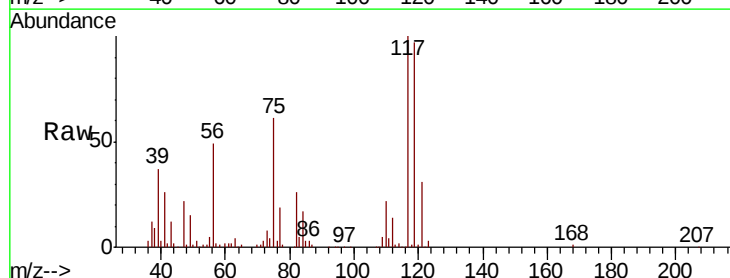
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

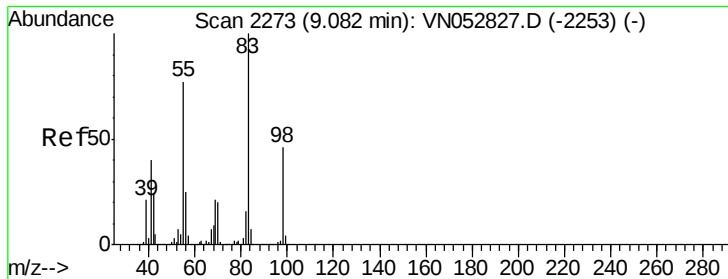
Tot Ion: 43 Resp: 172568
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.217 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 117 Resp: 273763
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7
121 30.9 24.9 37.3

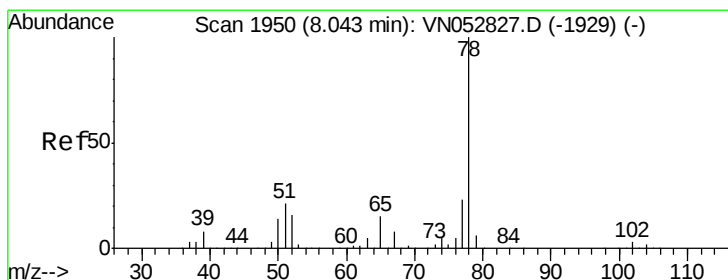
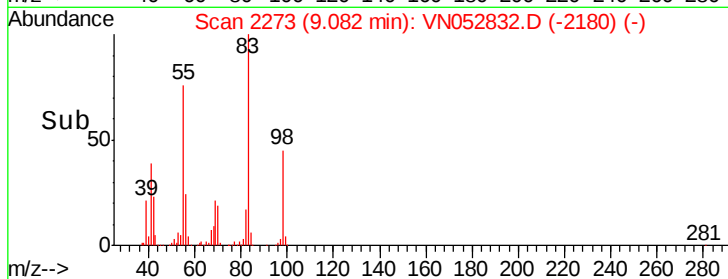
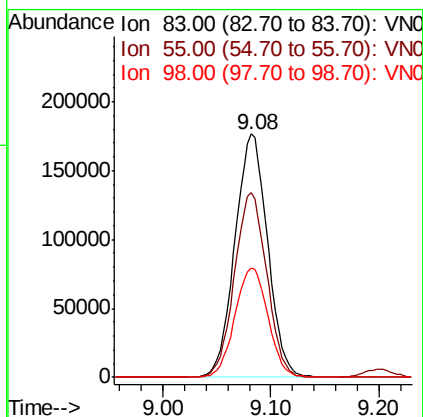
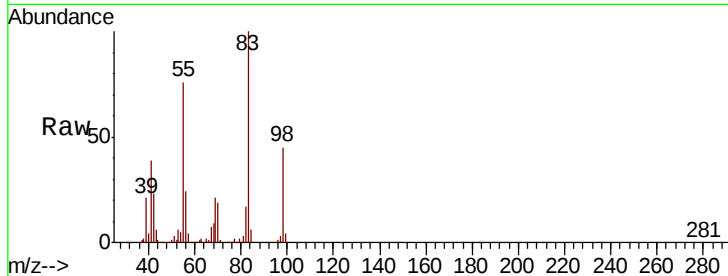




#39
Methvlcvclohexane
Concen: 20.509 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

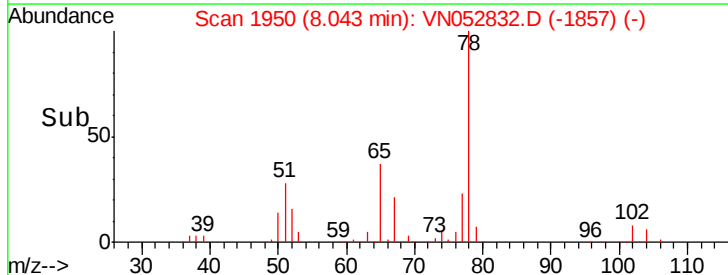
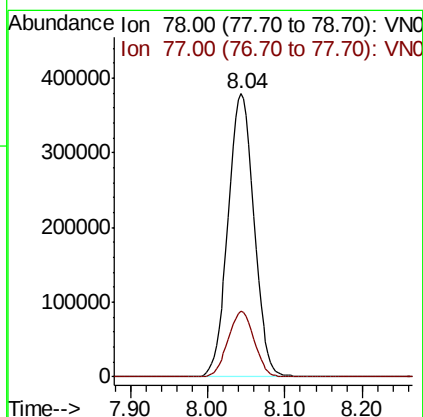
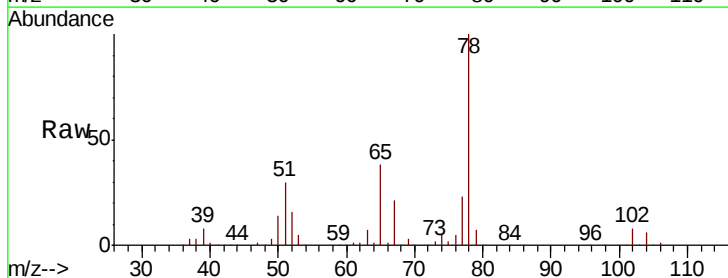
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

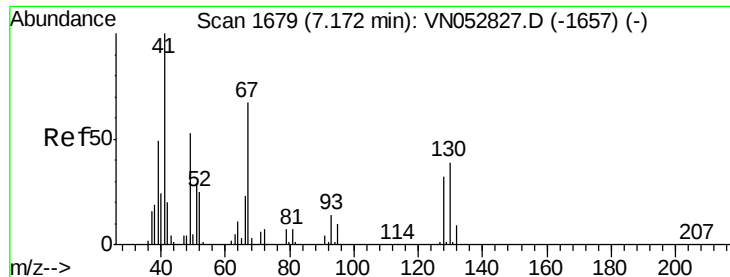
Tot Ion: 83 Resp: 370249
Ion Ratio Lower Upper
83 100
55 76.1 61.3 91.9
98 44.8 37.0 55.4



#40
Benzene
Concen: 19.923 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 78 Resp: 879691
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

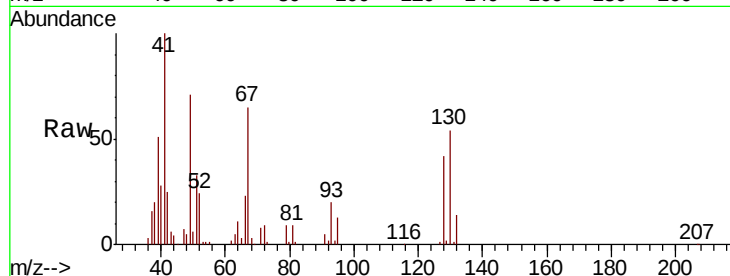




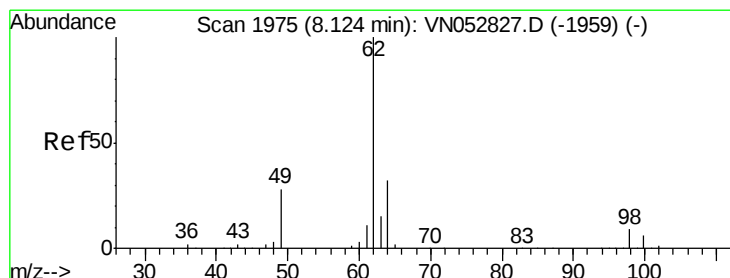
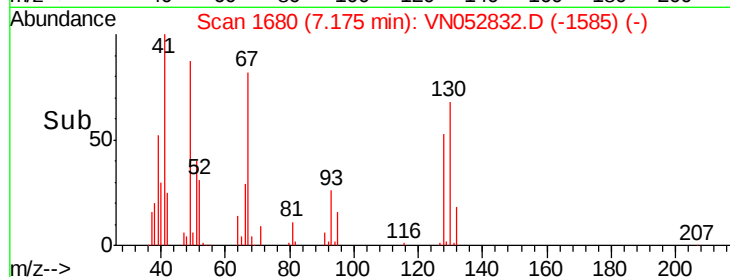
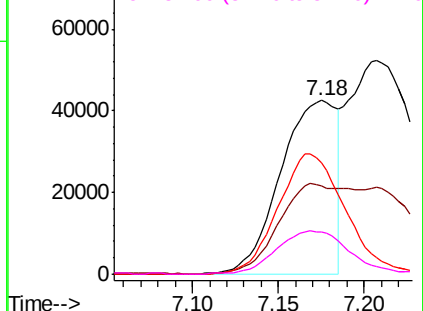
#41
Methacrylonitrile
Concen: 19.845 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 41 Resp: 97174
Ion Ratio Lower Upper
41 100
39 69.1 48.0 72.0
67 83.0 70.3 105.5
52 32.5 26.9 40.3

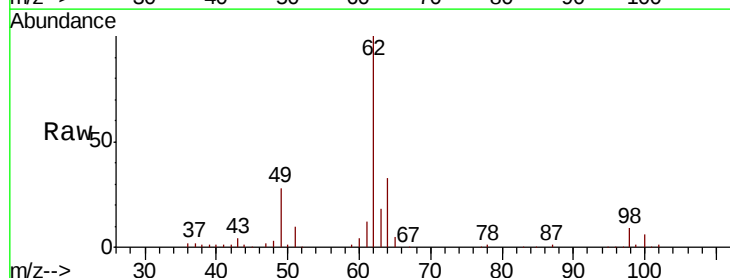


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

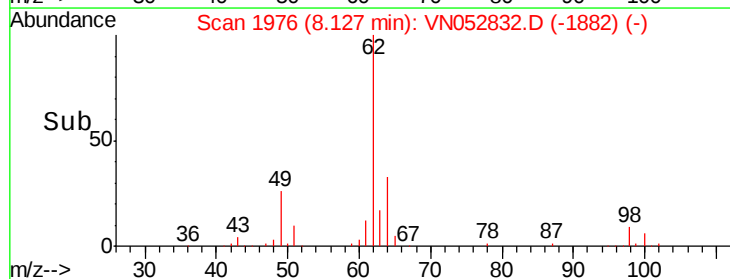
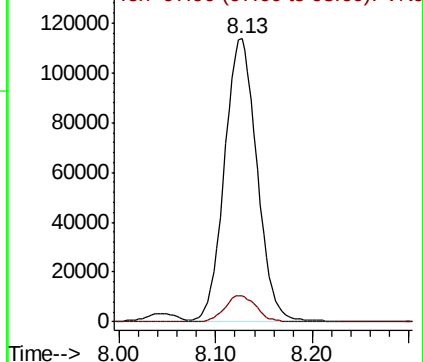


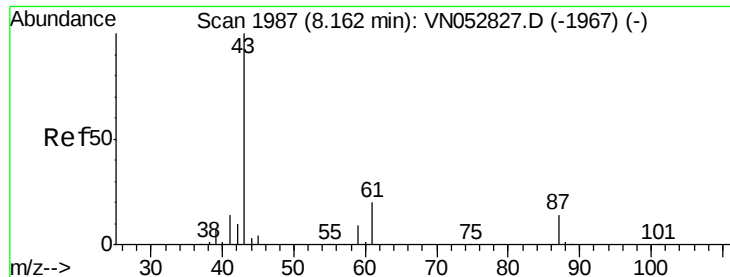
#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 62 Resp: 264912
Ion Ratio Lower Upper
62 100
98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.599 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

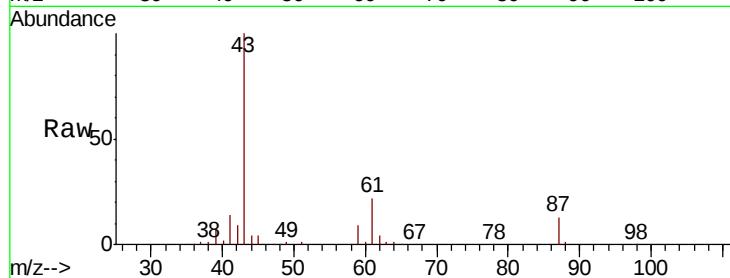
Tot Ion: 43 Resp: 318891

Ion Ratio Lower Upper

43 100

61 29.6 22.9 34.3

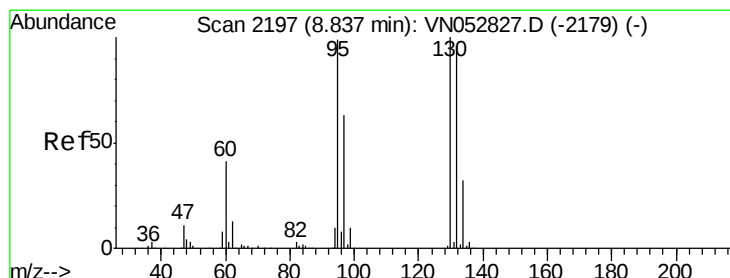
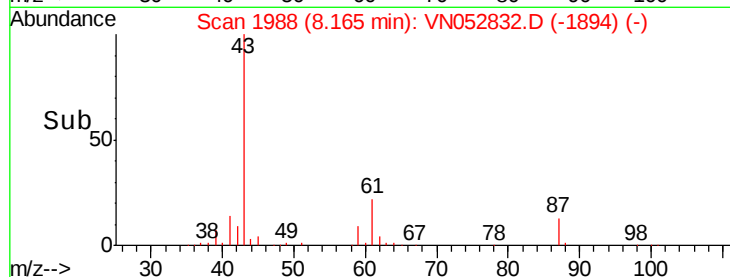
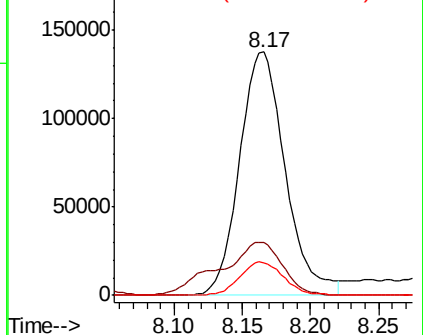
87 13.2 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052832.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052832.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052832.D (-1967) (-)



#44

Trichloroethene

Concen: 19.817 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052832.D

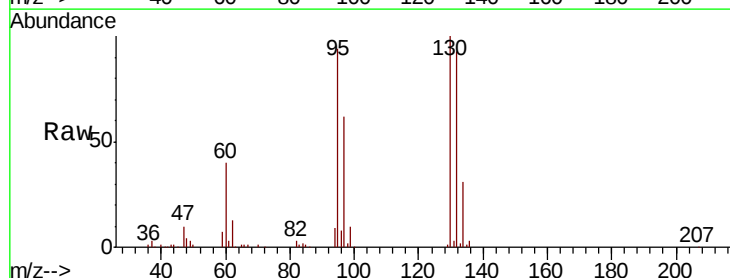
Acq: 12 Dec 2018 17:33

Tgt Ion:130 Resp: 236353

Ion Ratio Lower Upper

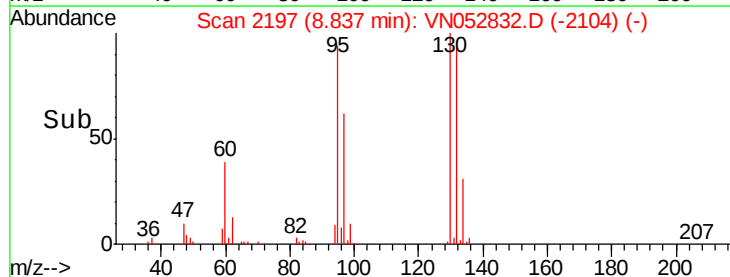
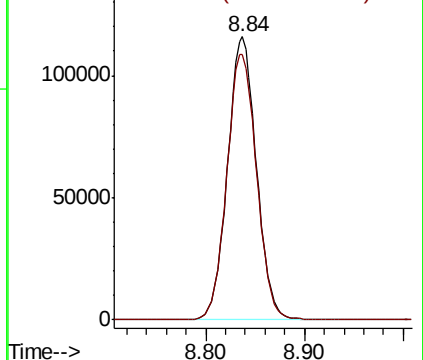
130 100

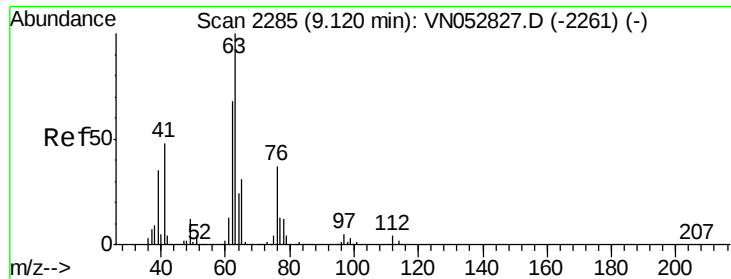
95 93.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052832.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052832.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.887 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

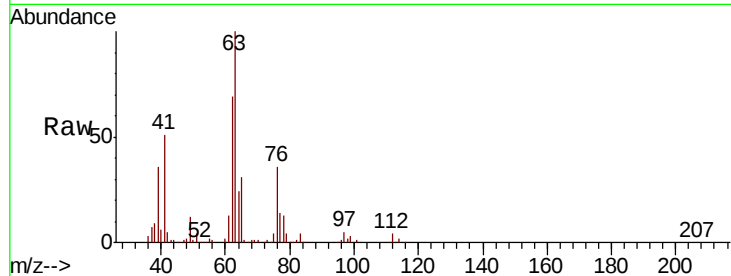
VN1212WBS02

Tot Ion: 63 Resp: 229999

Ion Ratio Lower Upper

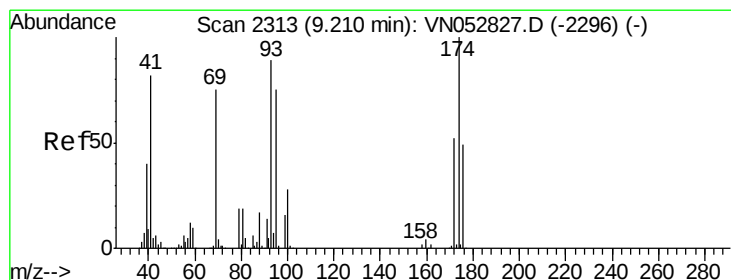
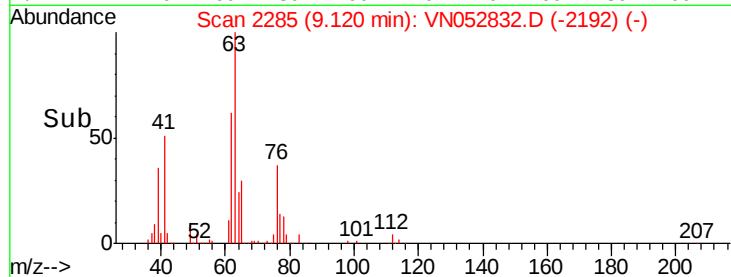
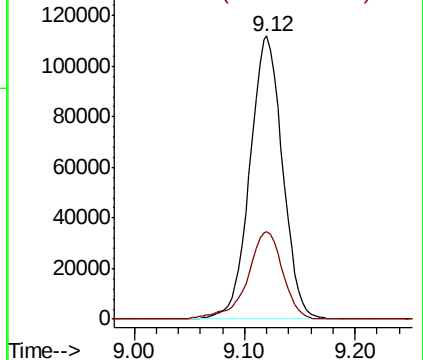
63 100

65 31.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.384 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

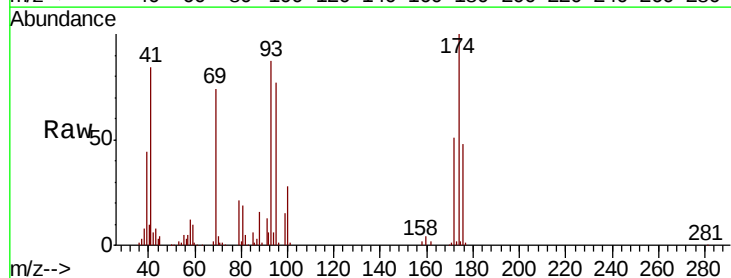
Tgt Ion: 93 Resp: 130011

Ion Ratio Lower Upper

93 100

95 85.9 67.8 101.6

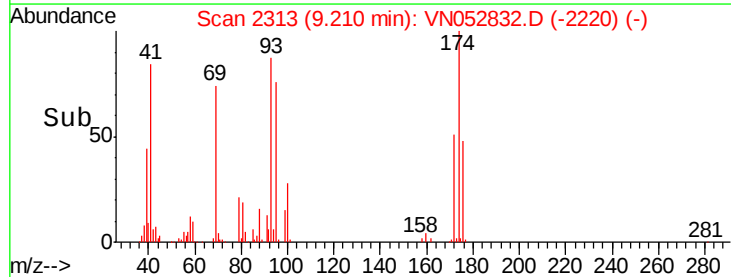
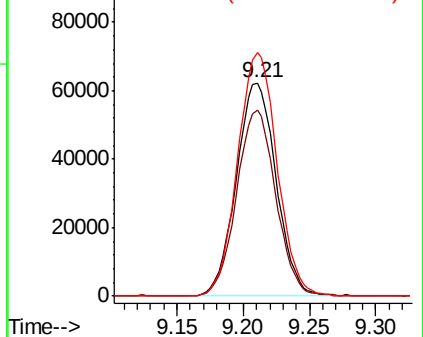
174 113.4 89.0 133.4

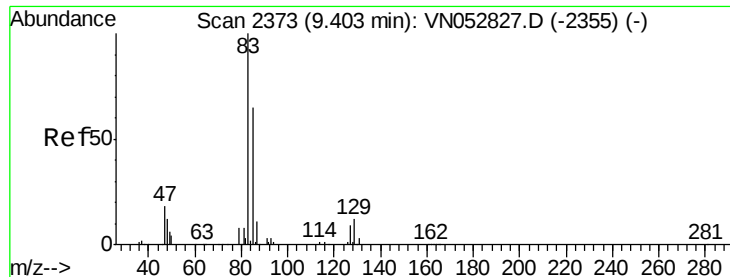


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.773 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

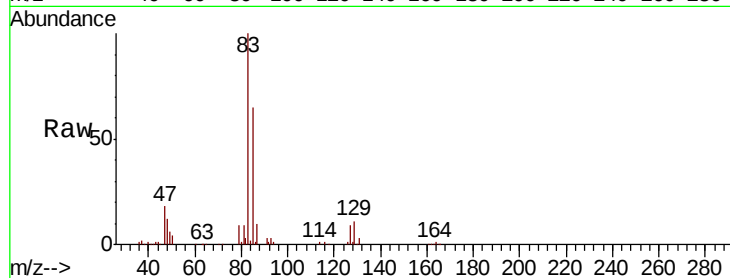
Tot Ion: 83 Resp: 275017

Ion Ratio Lower Upper

83 100

85 64.6 51.6 77.4

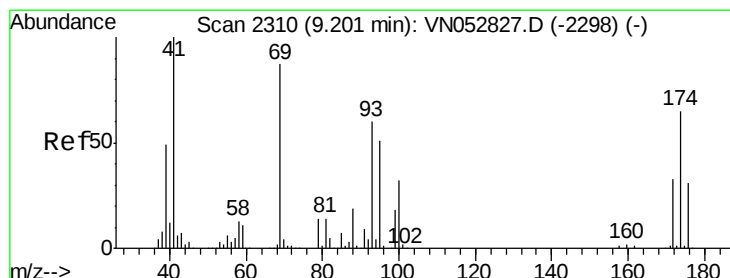
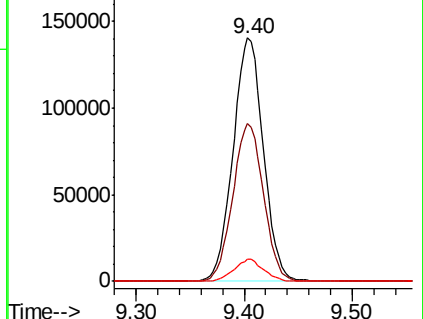
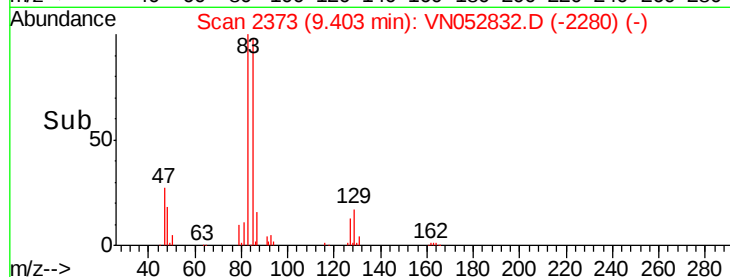
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052832.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052832.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052832.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.172 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

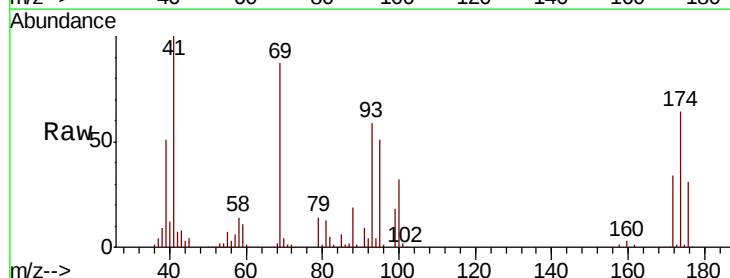
Tgt Ion: 41 Resp: 160293

Ion Ratio Lower Upper

41 100

69 89.8 72.2 108.2

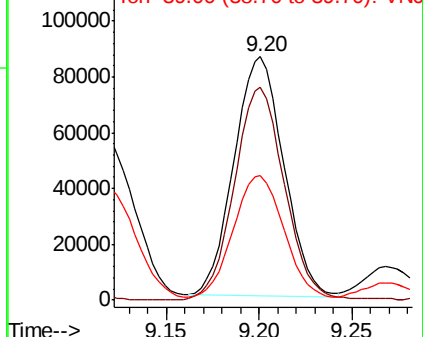
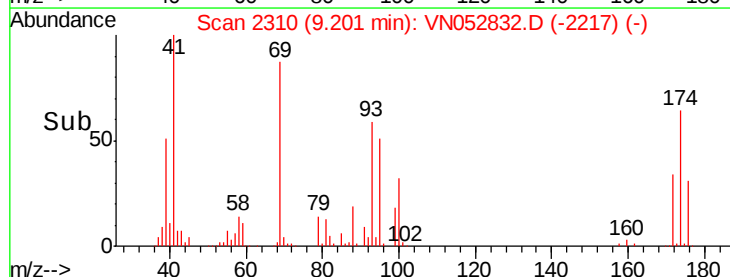
39 53.6 41.9 62.9

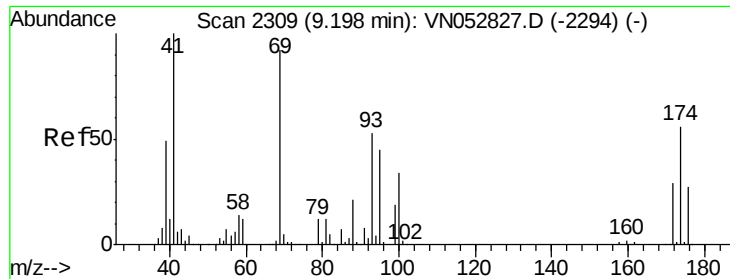


Abundance Ion 41.00 (40.70 to 41.70): VN052832.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052832.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052832.D (-2217) (-)

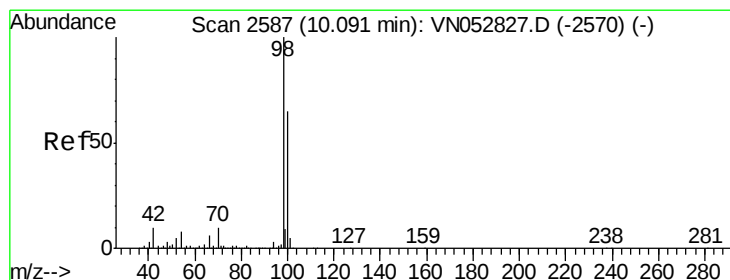
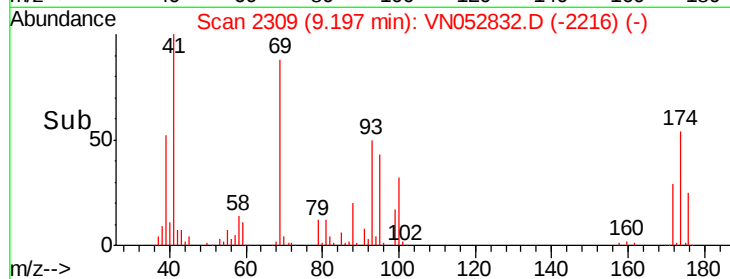
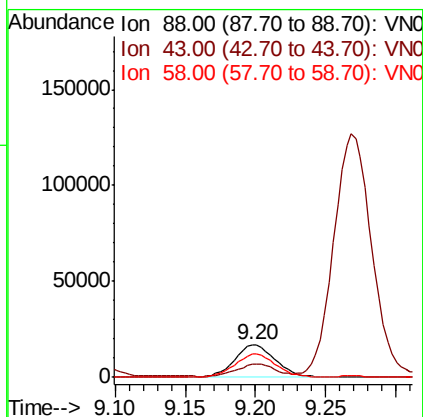
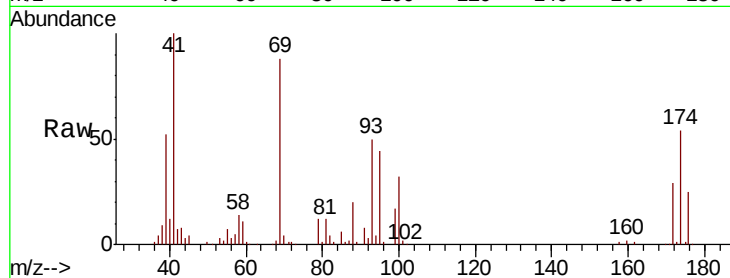




#49
 1,4-Dioxane
 Concen: 383.639 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

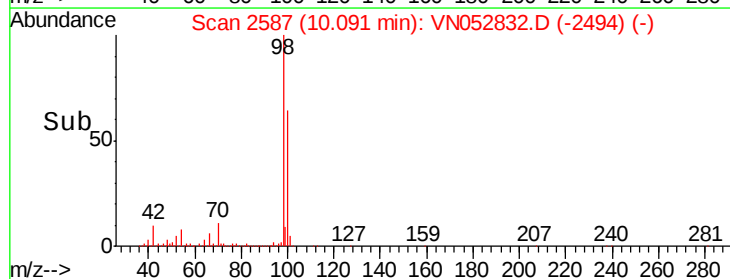
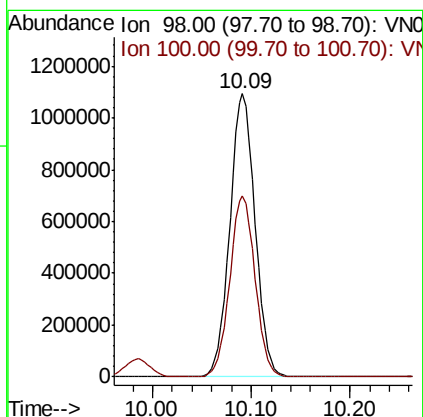
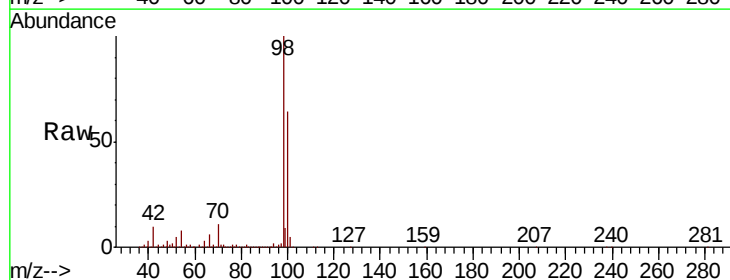
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

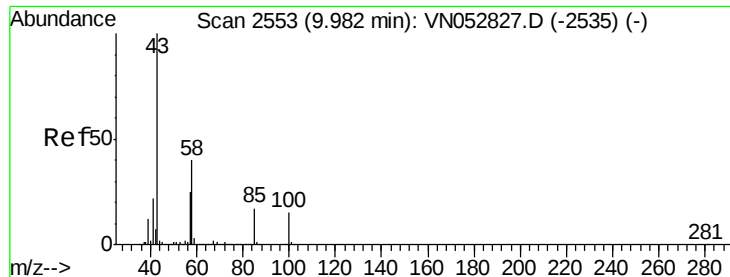
Tot Ion: 88 Resp: 34603
 Ion Ratio Lower Upper
 88 100
 43 35.2 26.6 40.0
 58 72.0 58.4 87.6



#50
 Toluene-d8
 Concen: 383.639 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 98 Resp: 1953318
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.6 77.4

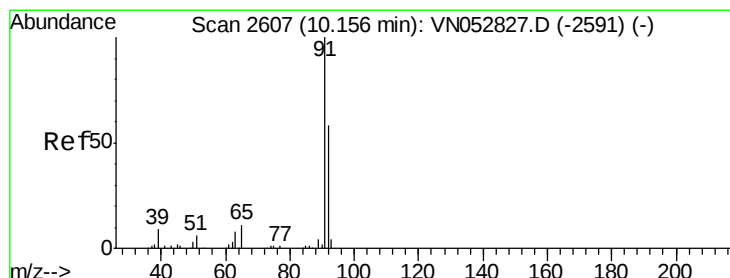
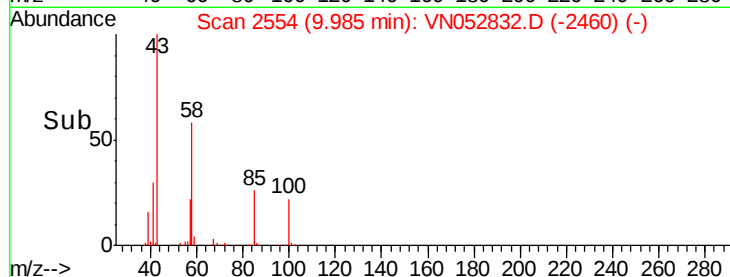
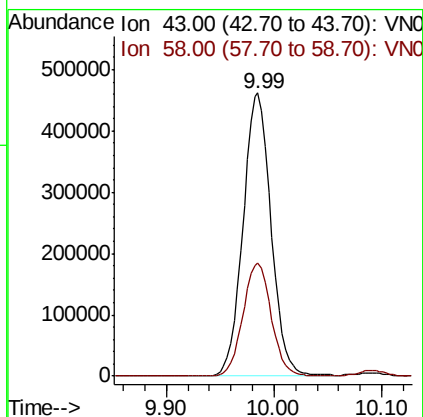
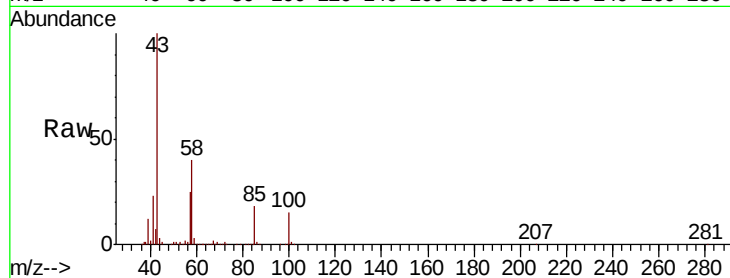




#51
 4-Methyl-2-Pentanone
 Concen: 100.098 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

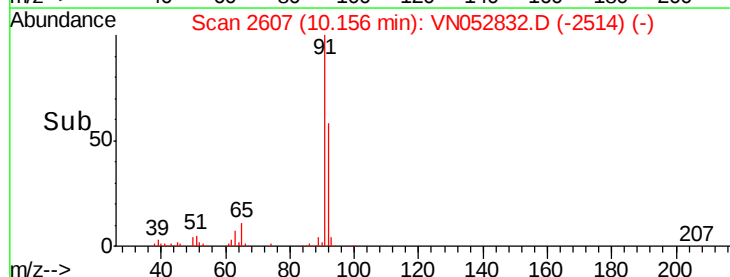
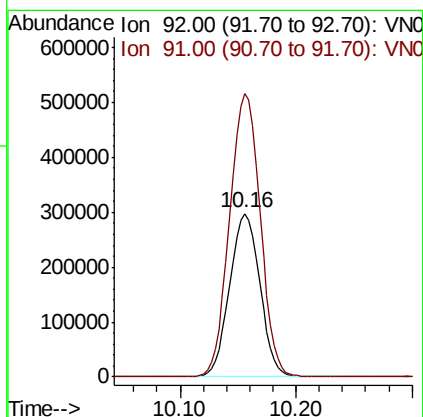
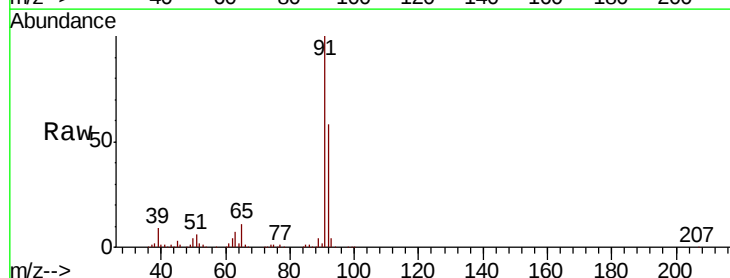
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

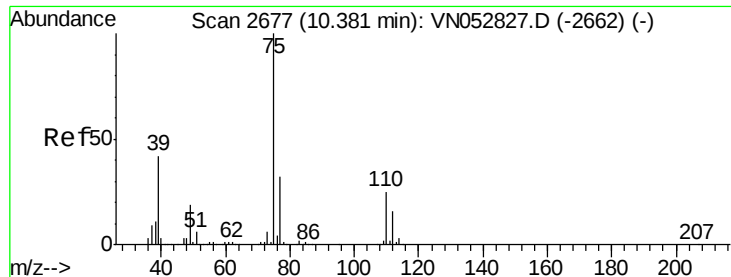
Tot Ion: 43 Resp: 831677
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4



#52
 Toluene
 Concen: 20.022 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 92 Resp: 535440
 Ion Ratio Lower Upper
 92 100
 91 176.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.101 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

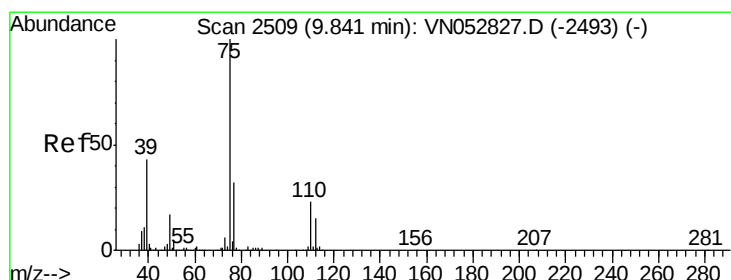
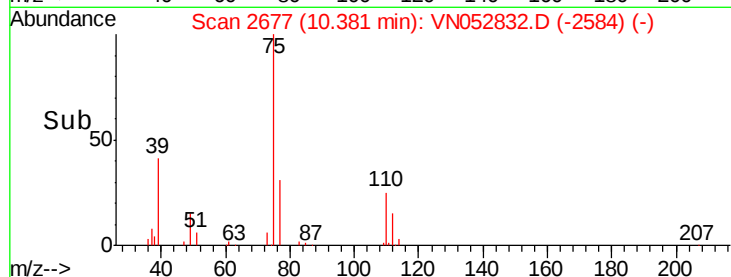
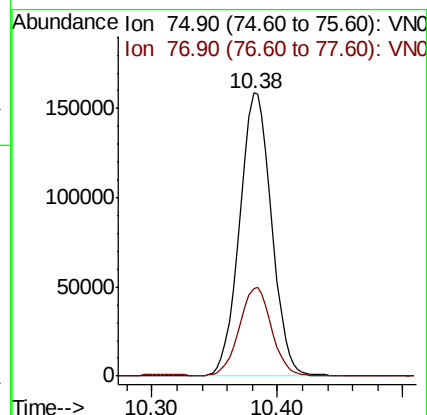
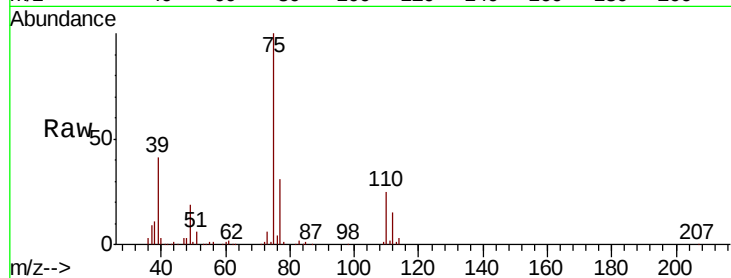
VN1212WBS02

Tot Ion: 75 Resp: 281331

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.938 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

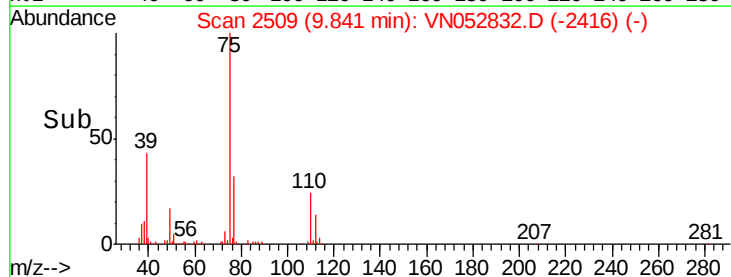
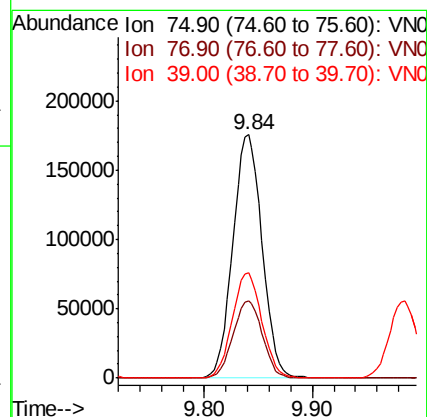
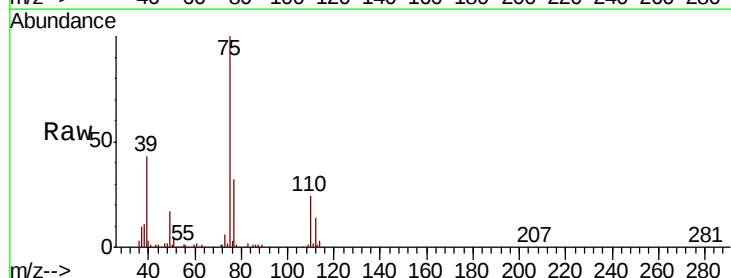
Tgt Ion: 75 Resp: 332527

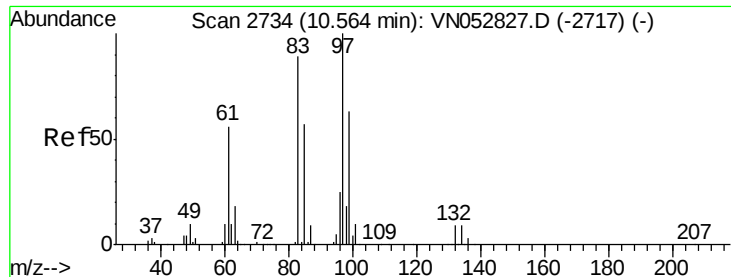
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 43.4 34.8 52.2

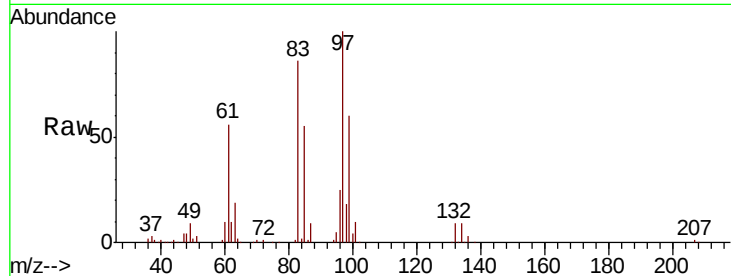




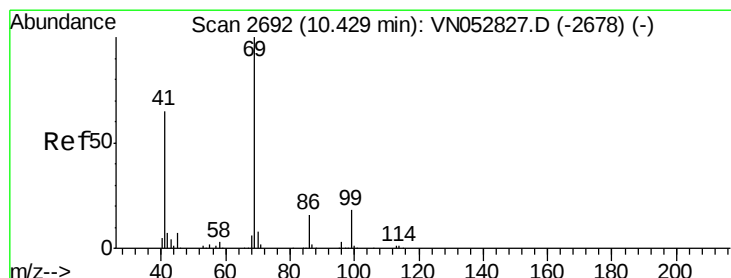
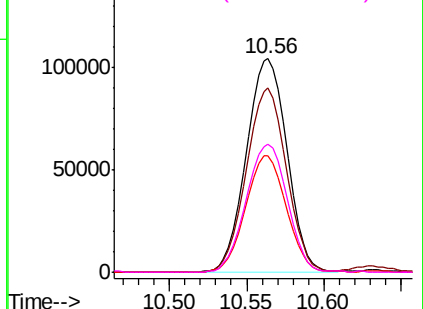
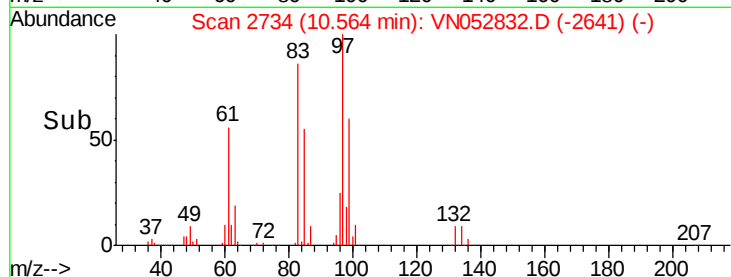
#55
 1,1,2-Trichloroethane
 Concen: 19.990 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion: 97 Resp: 190828
 Ion Ratio Lower Upper
 97 100
 83 86.0 70.9 106.3
 85 54.7 45.4 68.2
 99 60.2 50.4 75.6

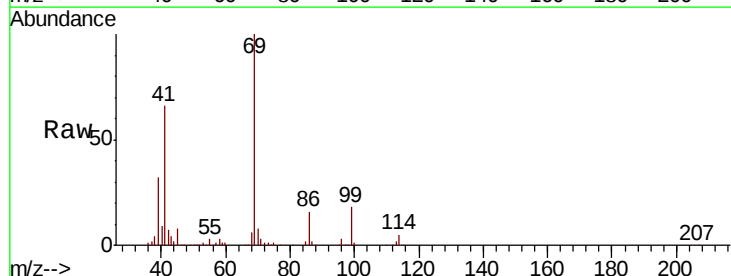


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

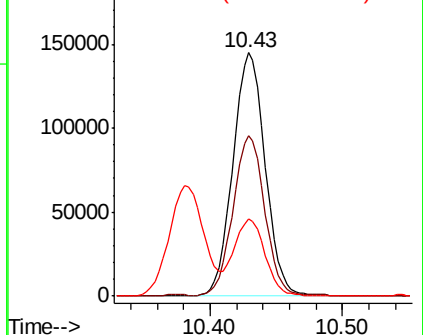
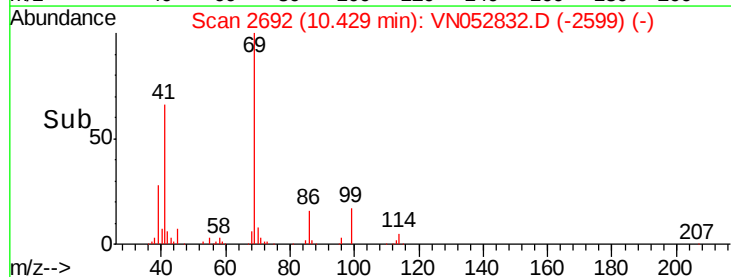


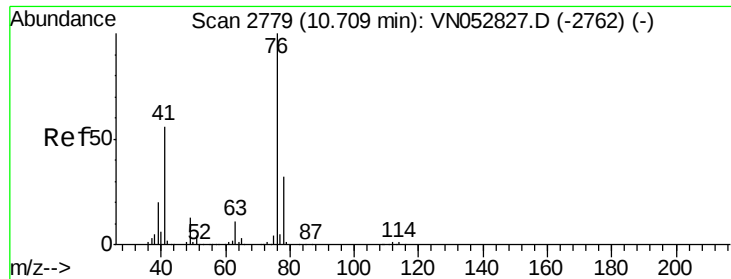
#56
 Ethyl methacrylate
 Concen: 19.985 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 69 Resp: 244839
 Ion Ratio Lower Upper
 69 100
 41 64.0 51.7 77.5
 39 31.2 24.6 37.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.874 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

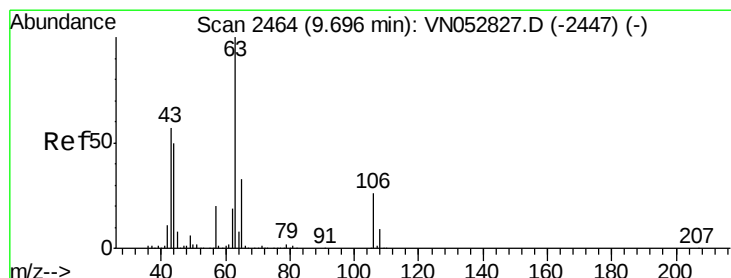
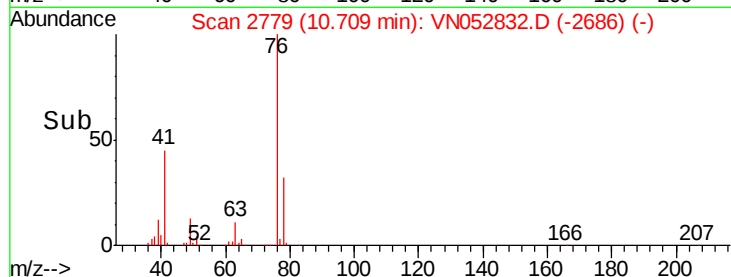
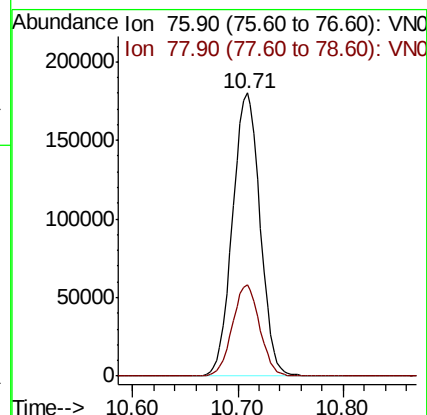
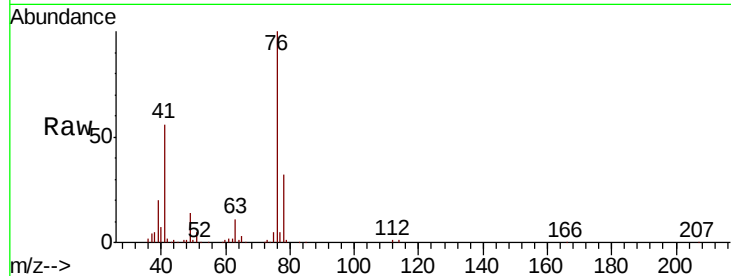
VN1212WBS02

Tot Ion: 76 Resp: 325344

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 99.062 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052832.D

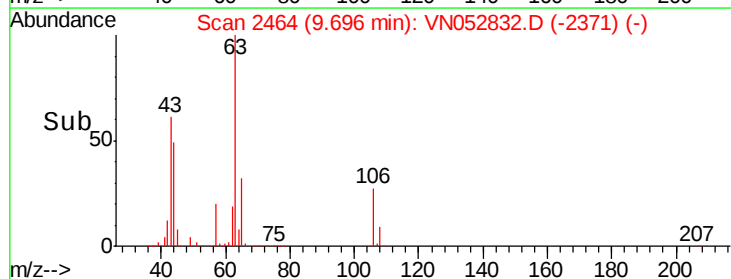
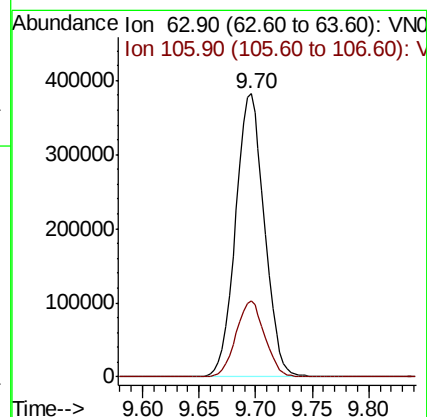
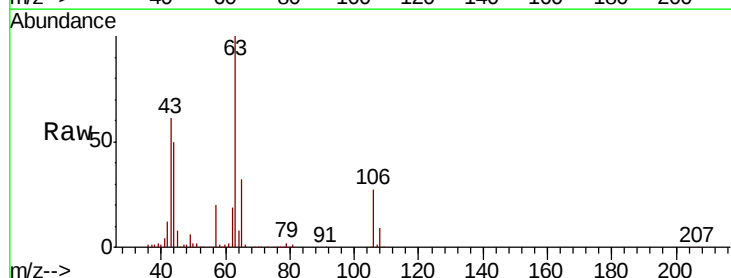
Acq: 12 Dec 2018 17:33

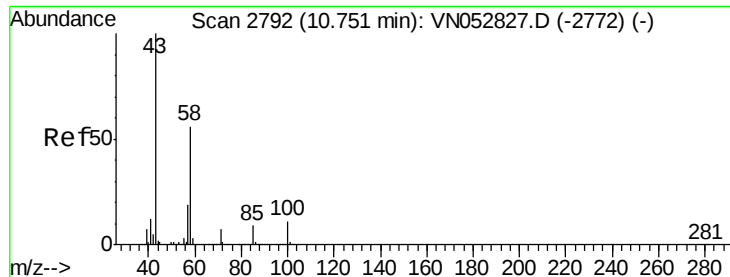
Tgt Ion: 63 Resp: 677179

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6

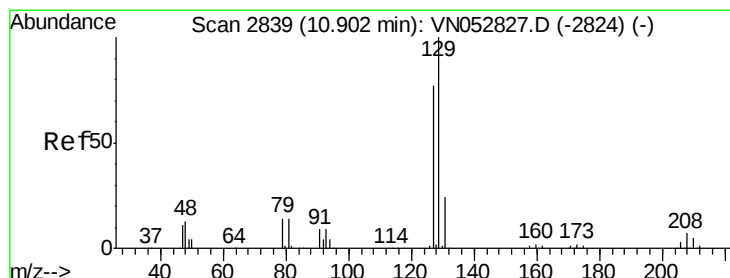
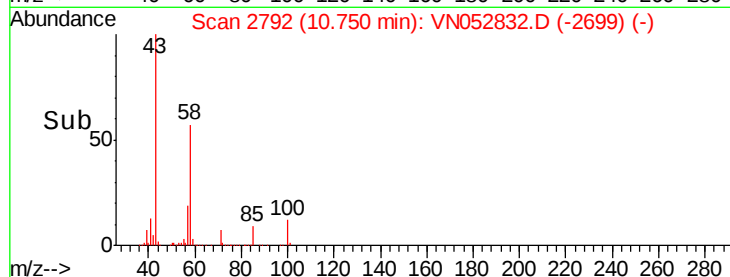
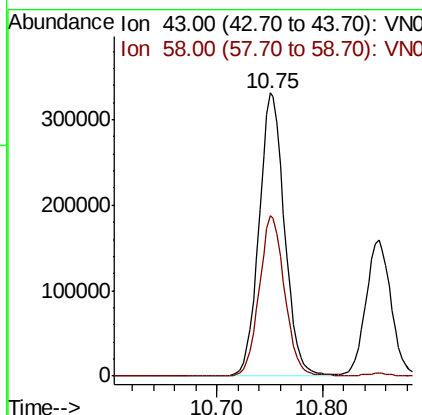
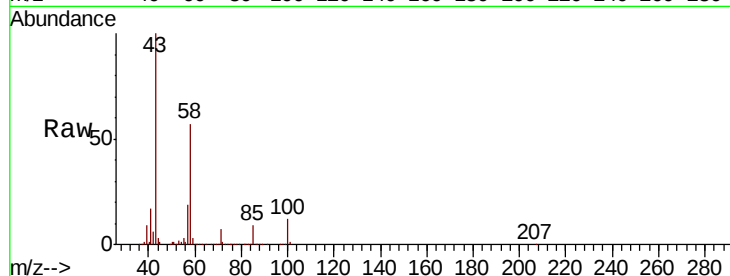




#59
2-Hexanone
Concen: 98.010 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

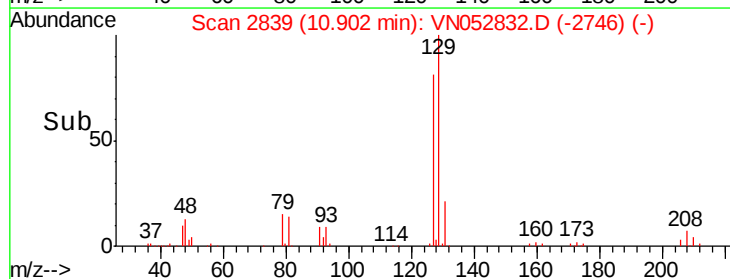
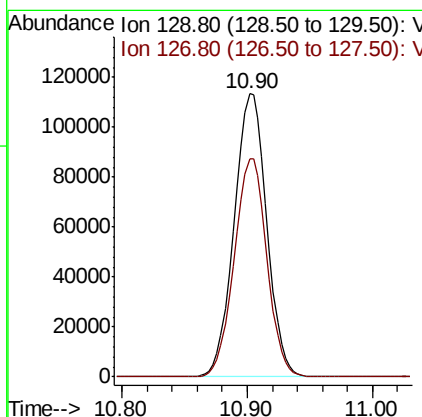
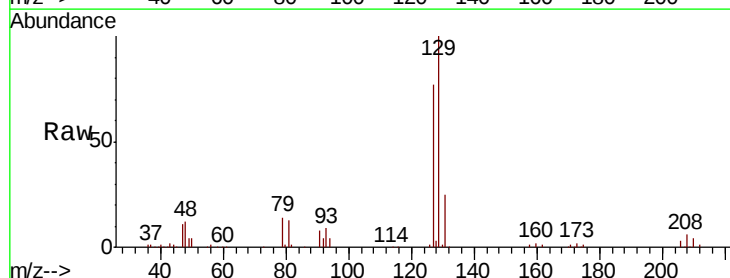
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

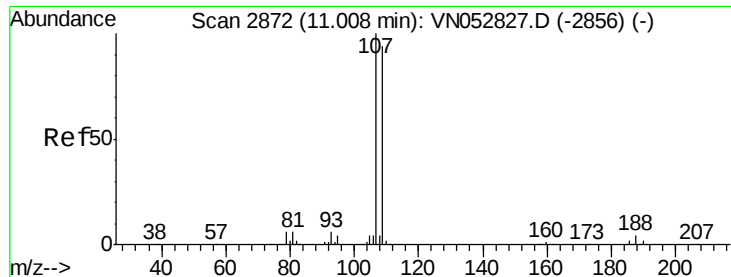
Tot Ion: 43 Resp: 558076
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 19.871 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 129 Resp: 205018
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

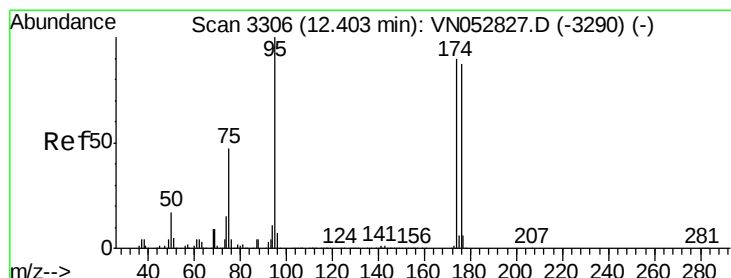
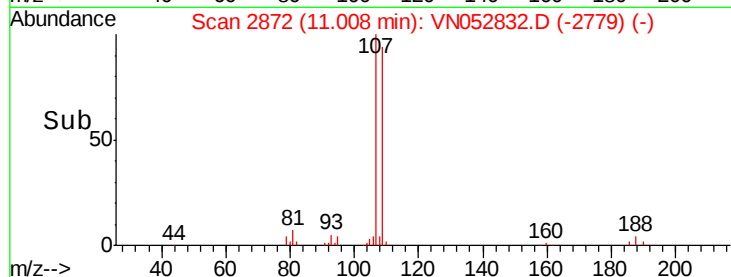
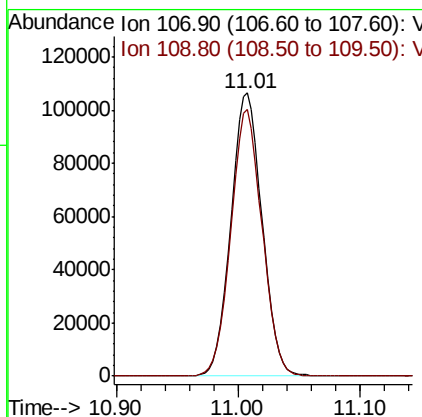
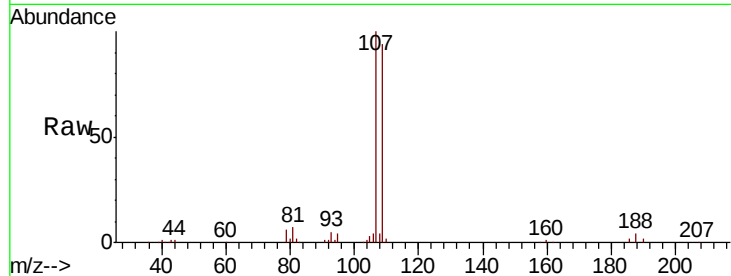




#61
 1,2-Dibromoethane
 Concen: 20.024 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

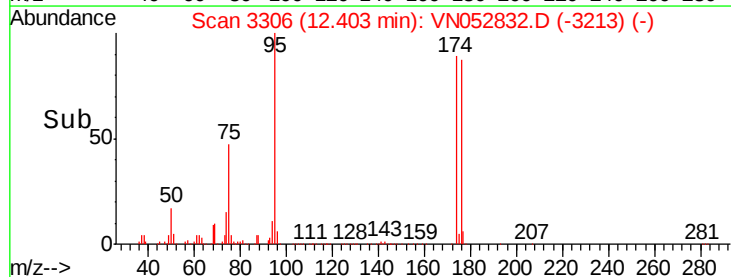
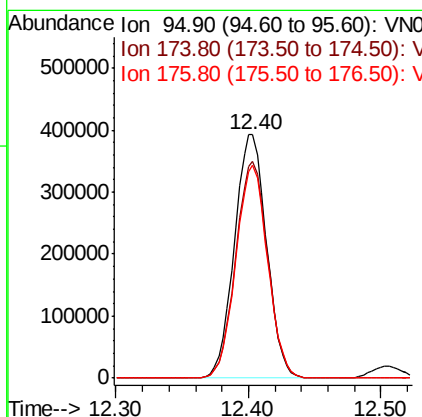
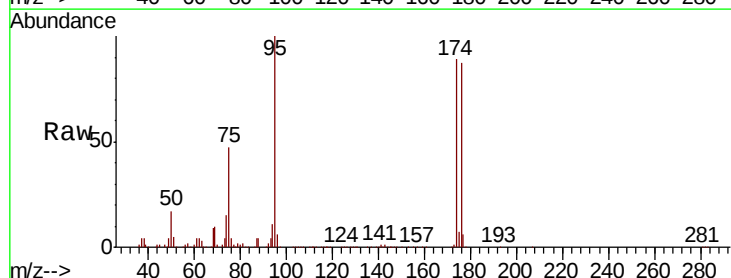
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

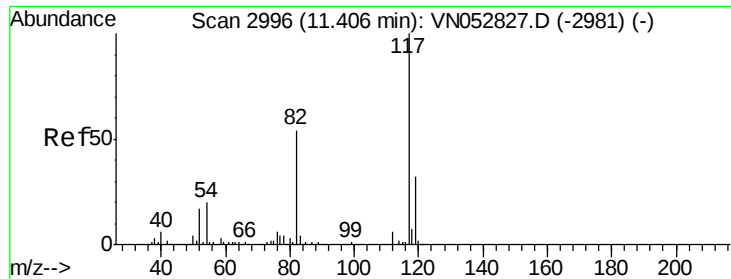
Tot Ion: 107 Resp: 188954
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.024 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 95 Resp: 660925
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.8
 176 86.3 0.0 173.8

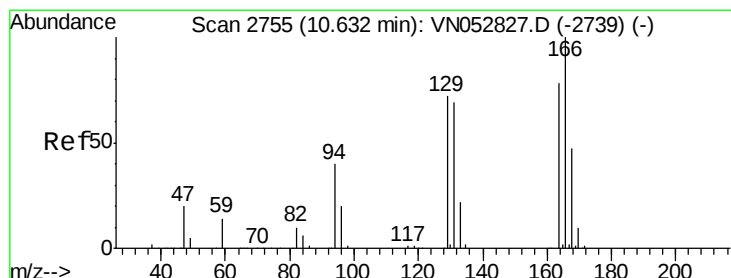
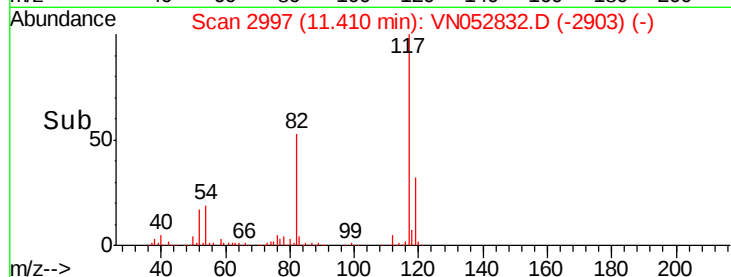
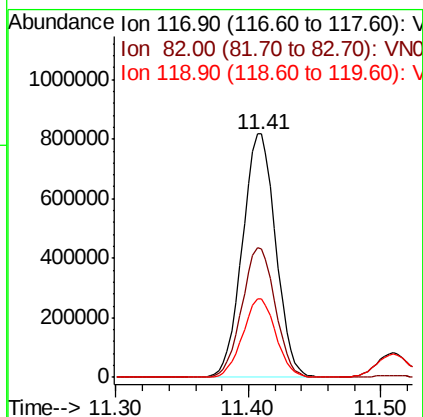
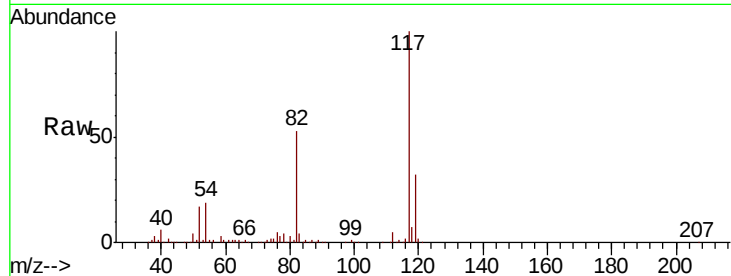




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

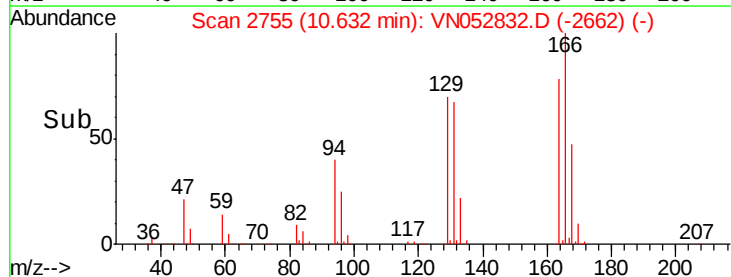
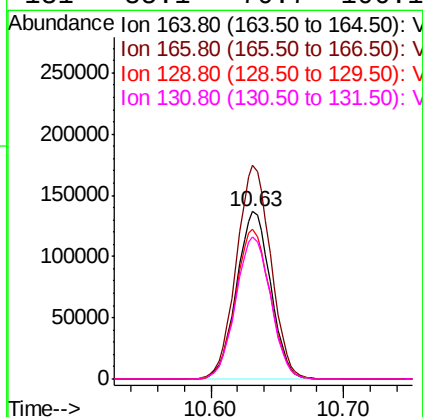
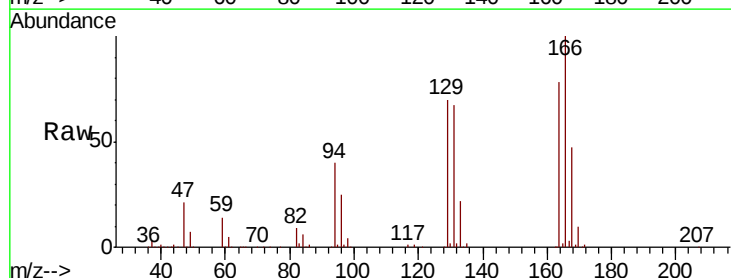
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

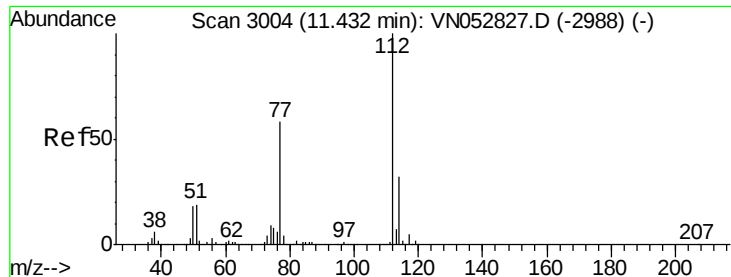
Tot Ion:117 Resp: 1424863
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 19.923 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion:164 Resp: 243983
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 89.5 73.7 110.5
131 85.1 70.7 106.1





#65

Chlorobenzene

Concen: 19.839 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

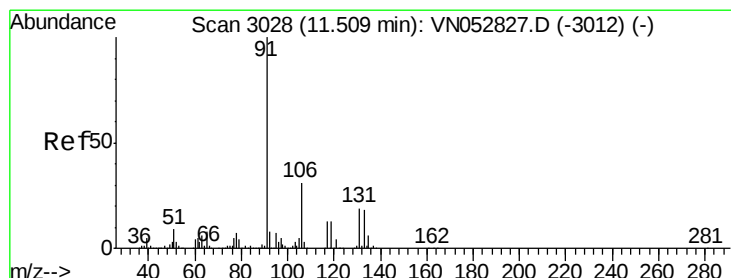
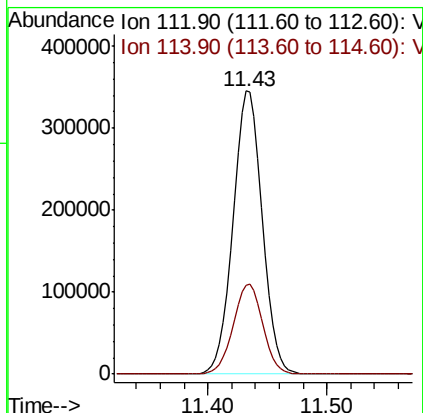
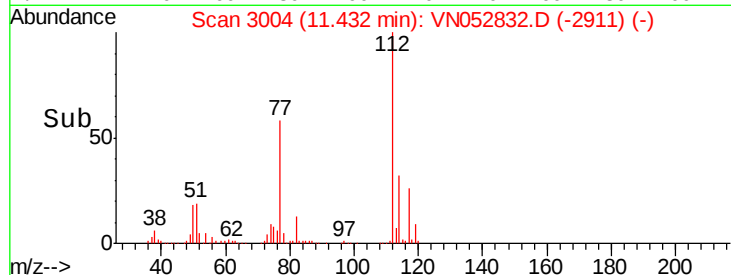
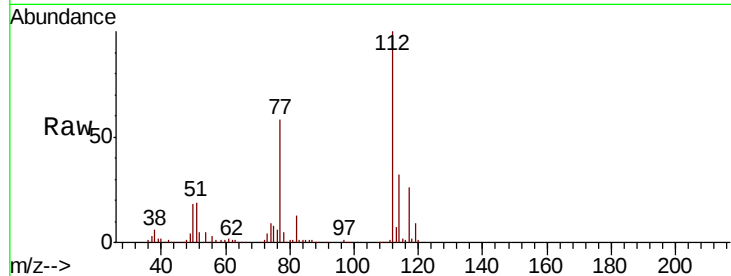
VN1212WBS02

Tot Ion:112 Resp: 586446

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.626 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

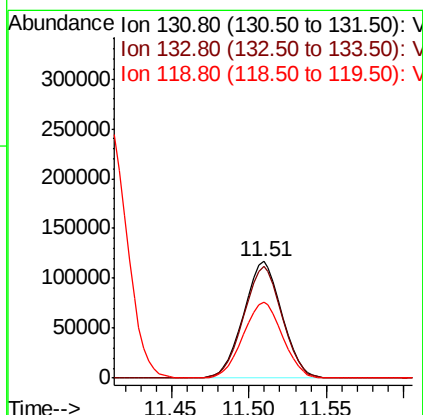
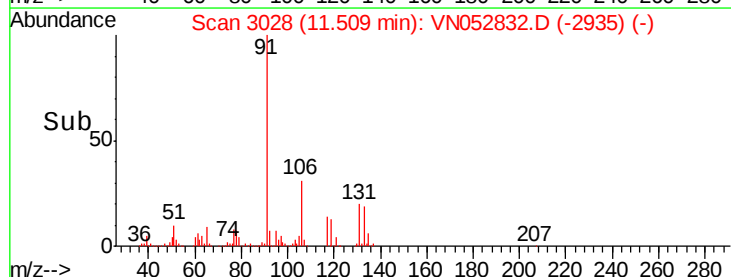
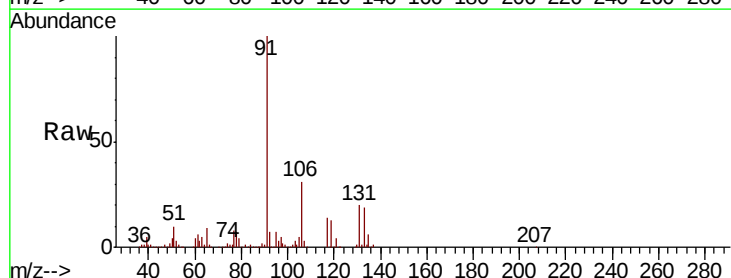
Tgt Ion:131 Resp: 201770

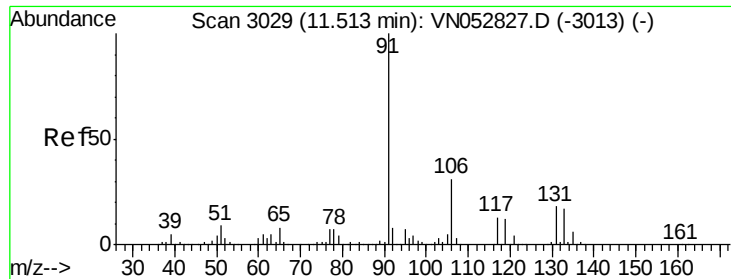
Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

119 67.0 33.3 99.8

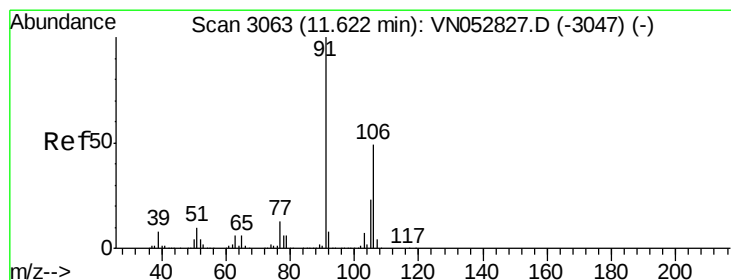
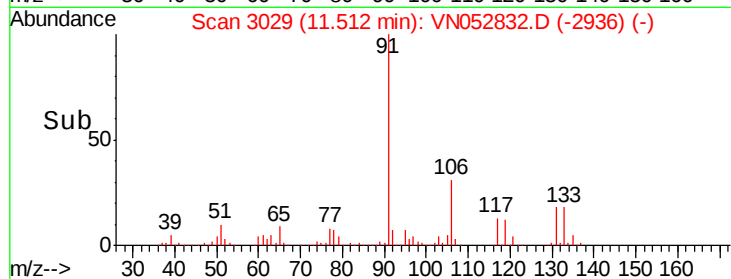
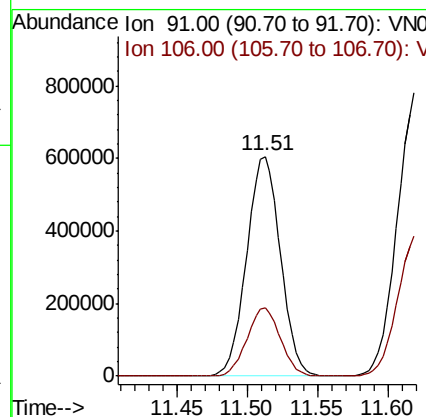
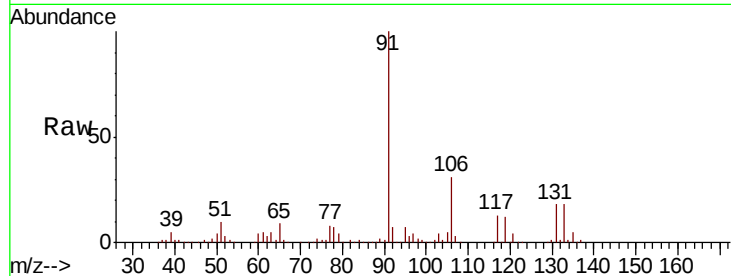




#67
Ethyl Benzene
Concen: 20.062 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

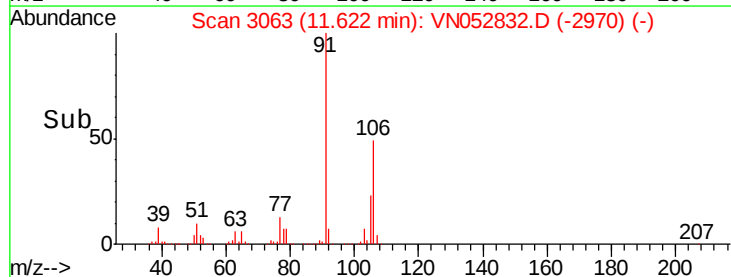
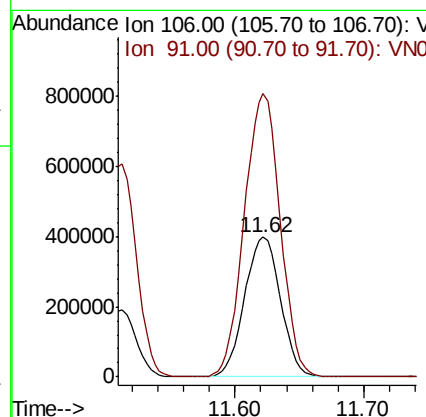
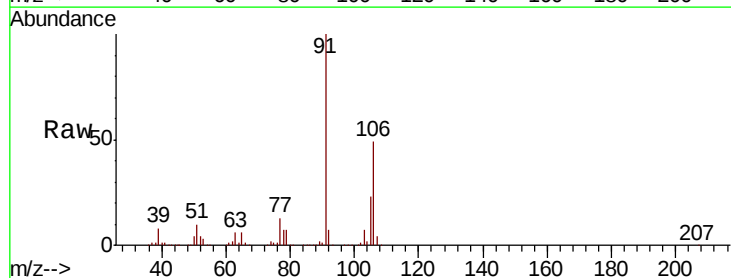
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

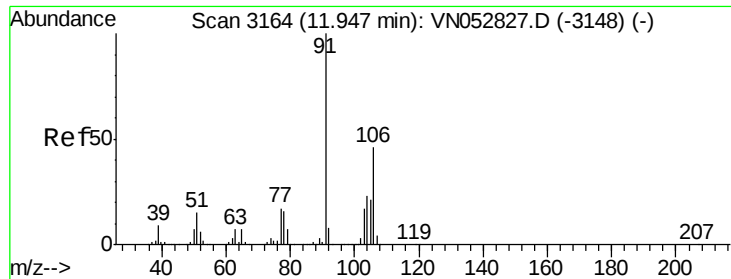
Tot Ion: 91 Resp: 1018427
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 40.424 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 106 Resp: 770561
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4

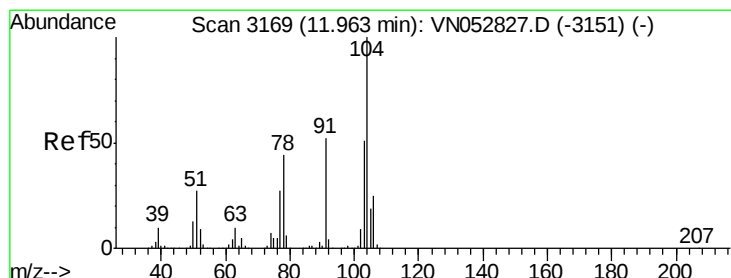
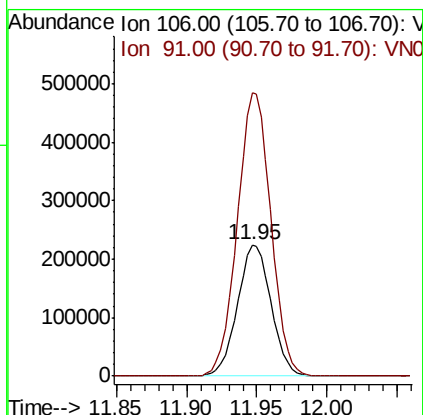
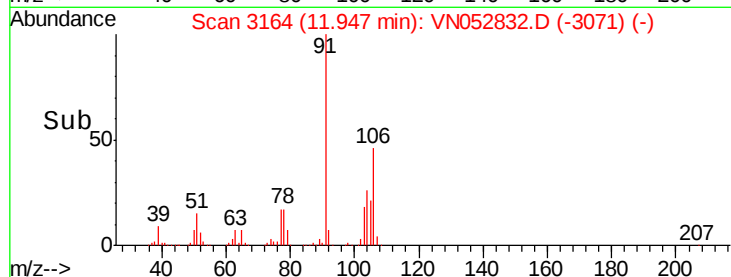
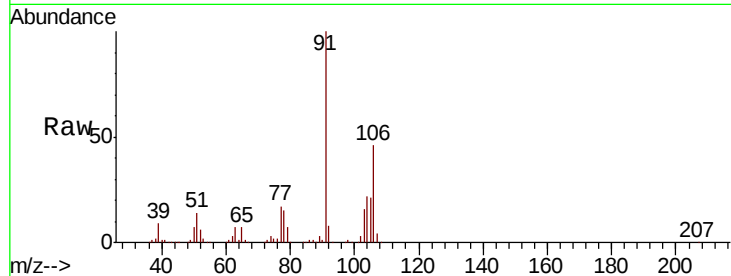




#69
o-Xylene
Concen: 20.059 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

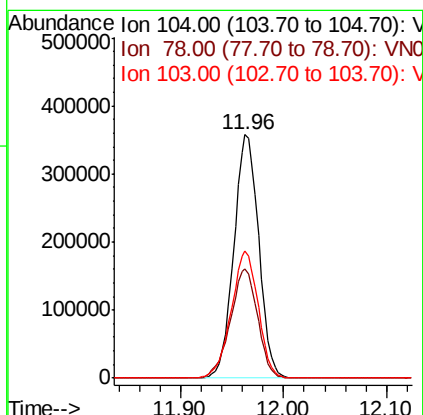
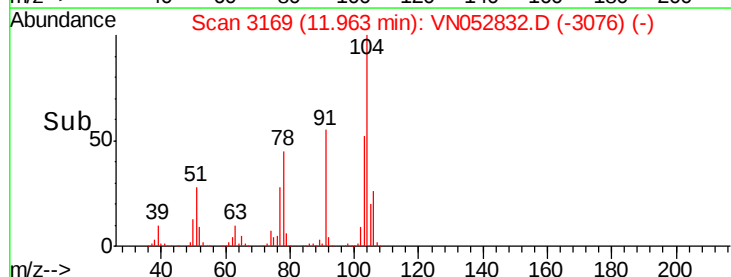
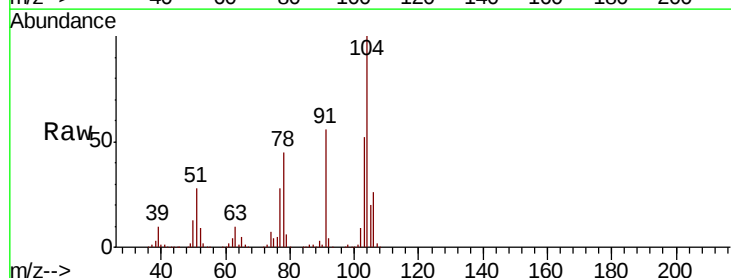
Instrument :
MSVOA_N
ClientSampled :
VN1212WBS02

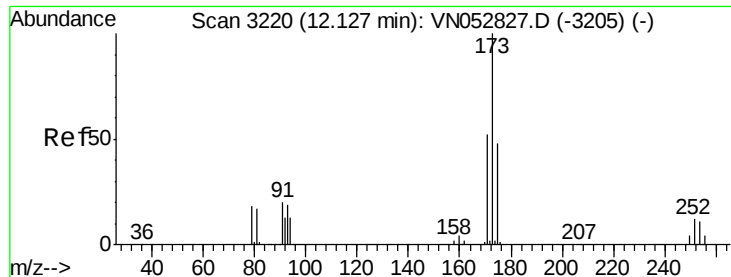
Tot Ion:106 Resp: 373361
Ion Ratio Lower Upper
106 100
91 216.2 106.6 319.8



#70
Styrene
Concen: 20.164 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion:104 Resp: 603337
Ion Ratio Lower Upper
104 100
78 48.9 38.9 58.3
103 56.2 44.3 66.5

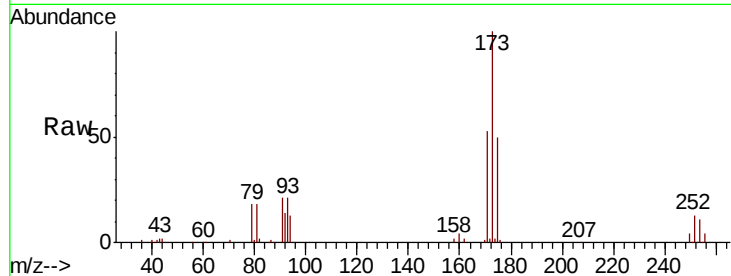




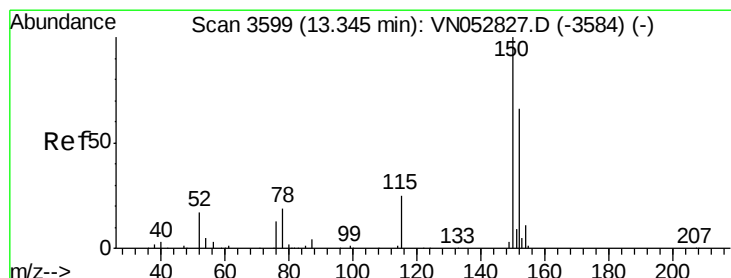
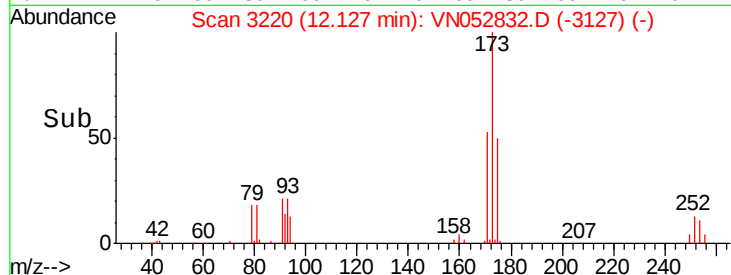
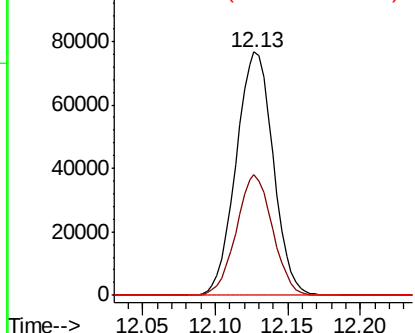
#71
Bromoform
Concen: 19.519 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion:173 Resp: 136333
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.9
254 0.1 0.1 0.1#

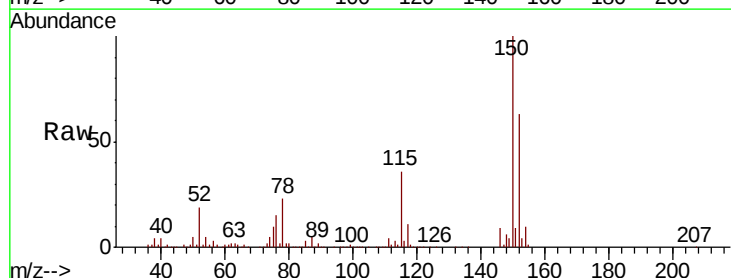


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

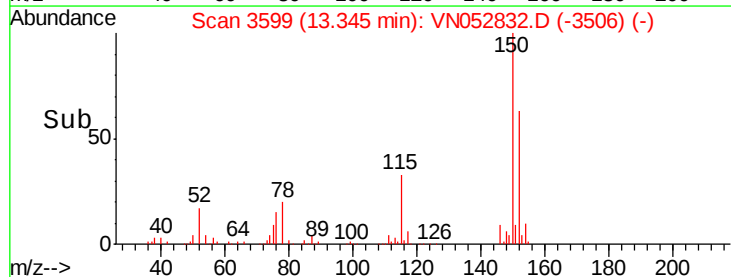
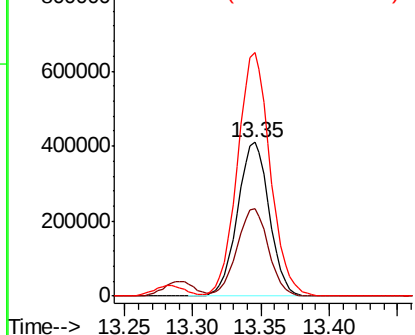


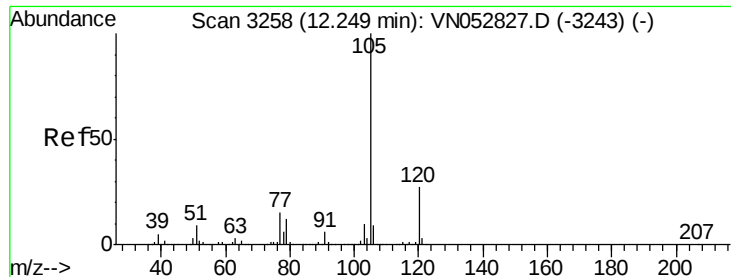
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion:152 Resp: 662316
Ion Ratio Lower Upper
152 100
115 56.6 28.3 85.0
150 163.4 0.0 347.8



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: 20.271 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

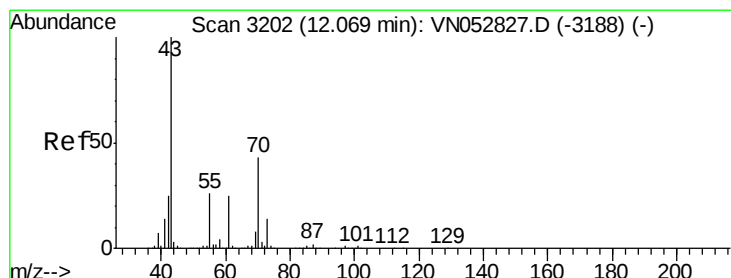
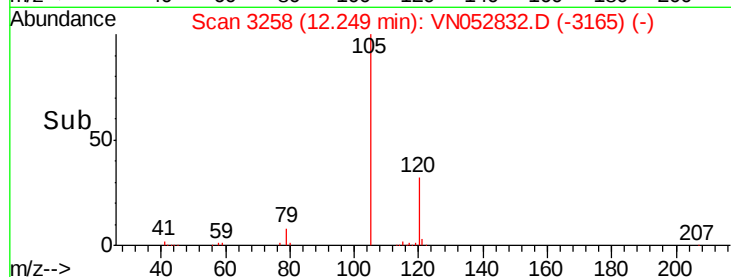
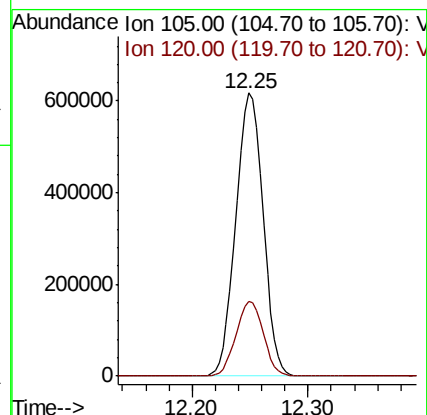
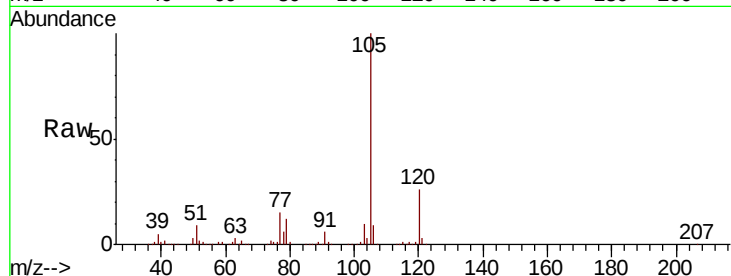
VN1212WBS02

Tot Ion:105 Resp: 1002424

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 19.482 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion: 43 Resp: 264497

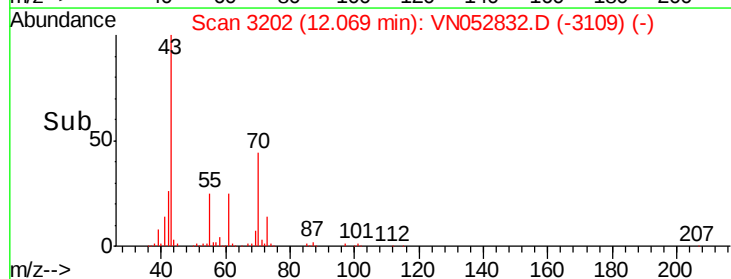
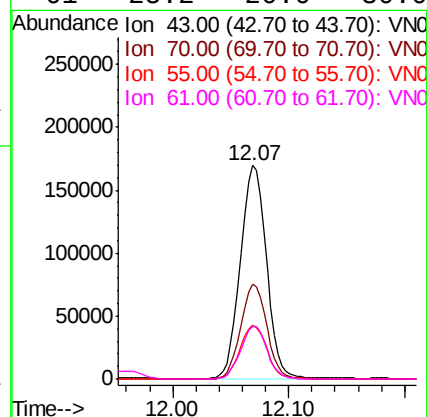
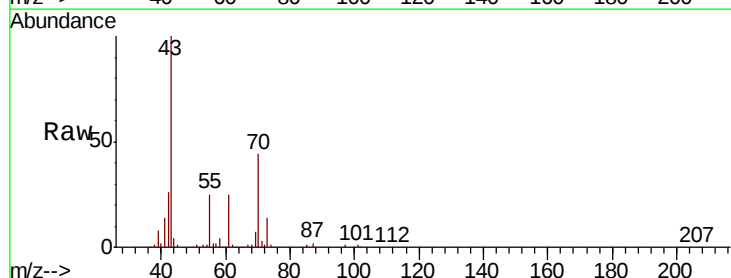
Ion Ratio Lower Upper

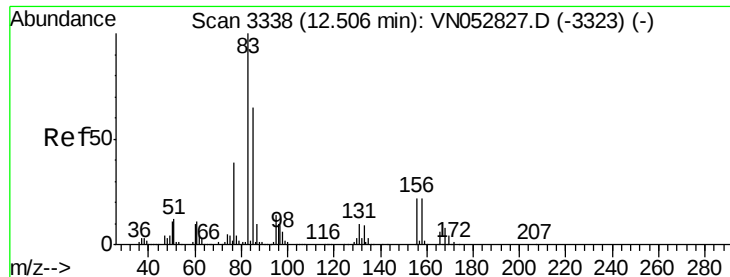
43 100

70 44.3 34.2 51.4

55 25.8 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.651 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

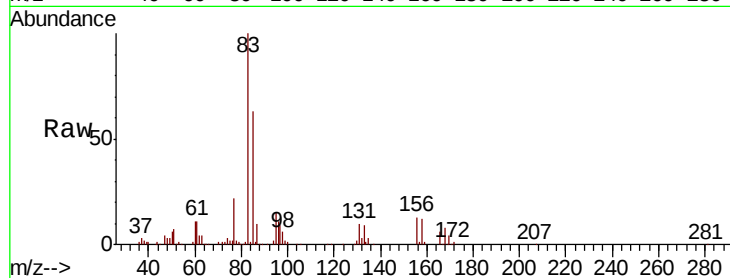
Tot Ion: 83 Resp: 217783

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

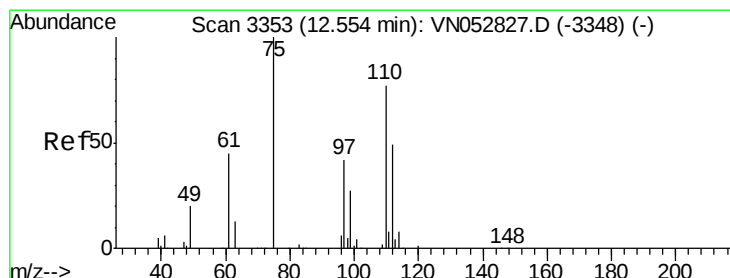
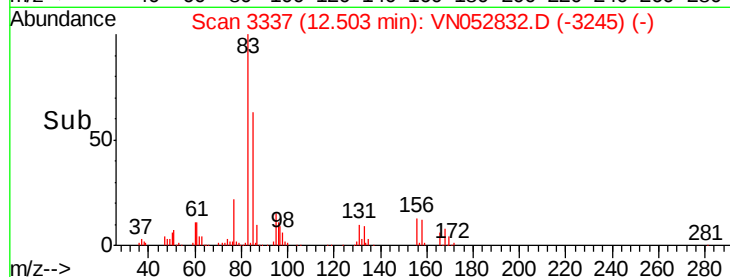
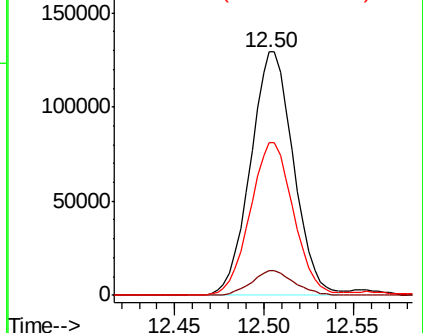
85 63.1 32.4 97.0



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: 28.367 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052832.D

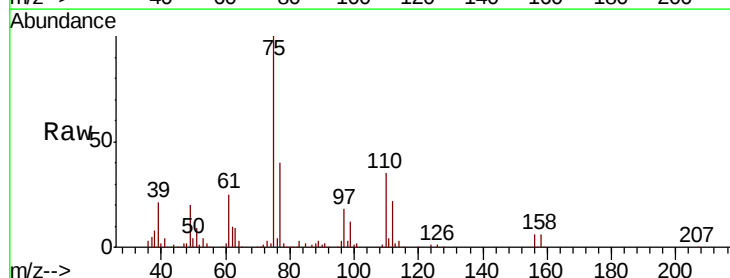
Acq: 12 Dec 2018 17:33

Tgt Ion: 75 Resp: 277190

Ion Ratio Lower Upper

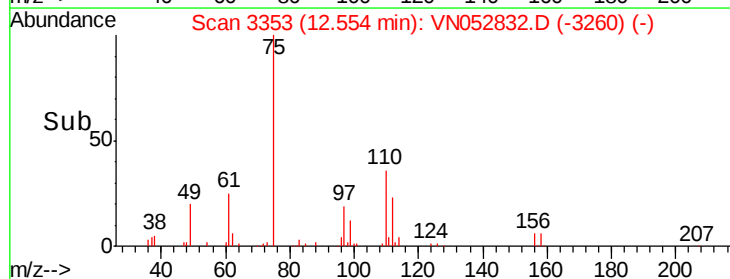
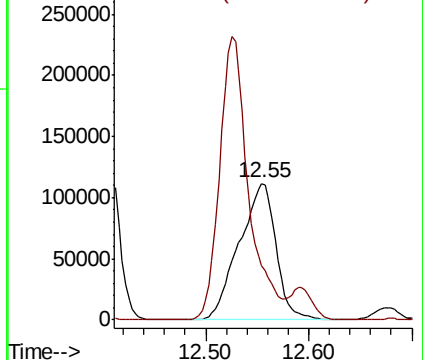
75 100

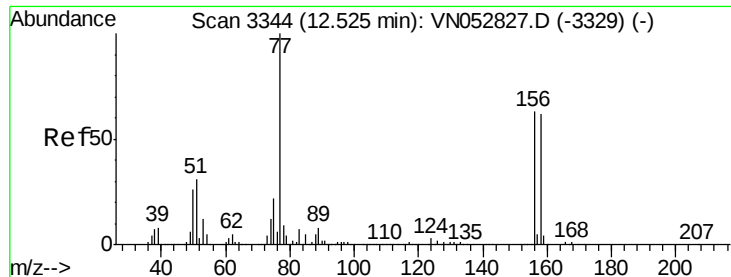
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.767 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

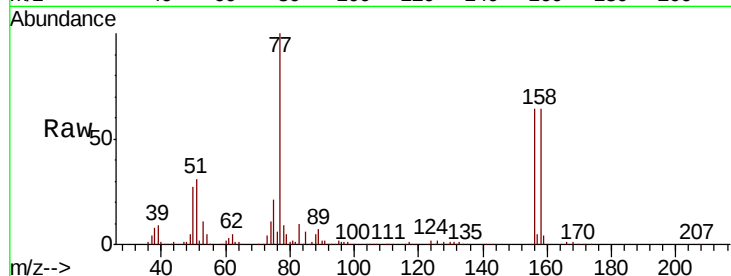
Tot Ion:156 Resp: 248621

Ion Ratio Lower Upper

156 100

77 182.4 91.3 273.8

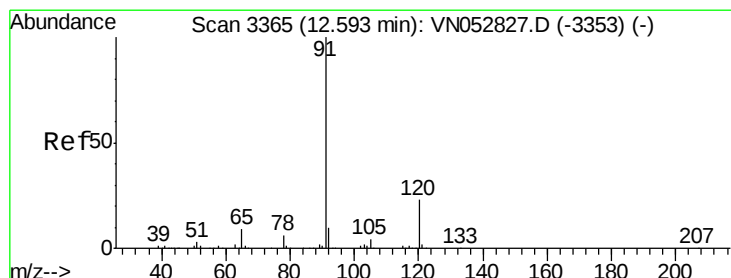
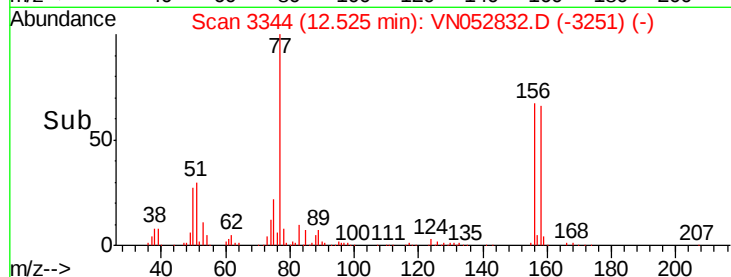
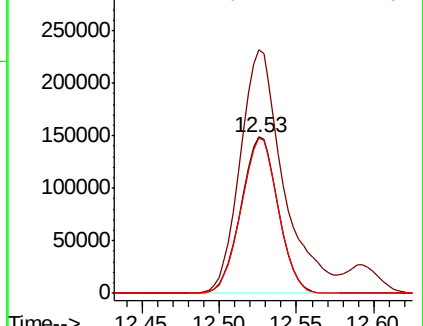
158 98.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.200 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052832.D

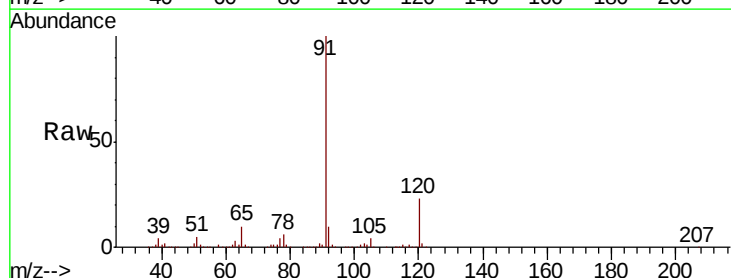
Acq: 12 Dec 2018 17:33

Tgt Ion: 91 Resp: 1139219

Ion Ratio Lower Upper

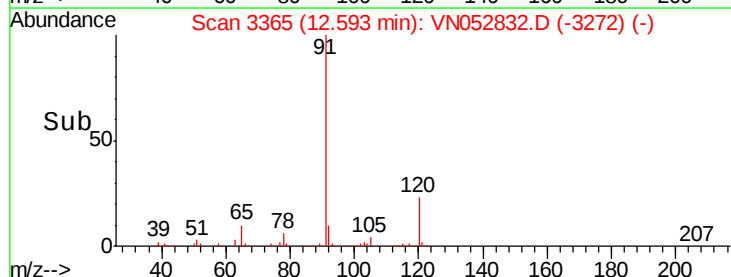
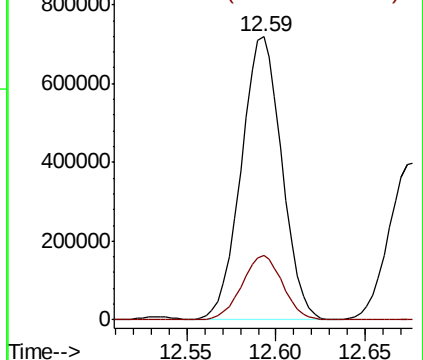
91 100

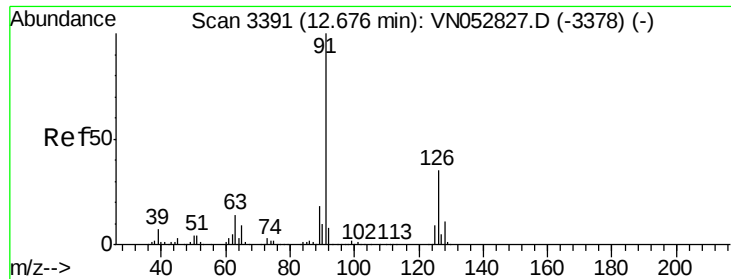
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

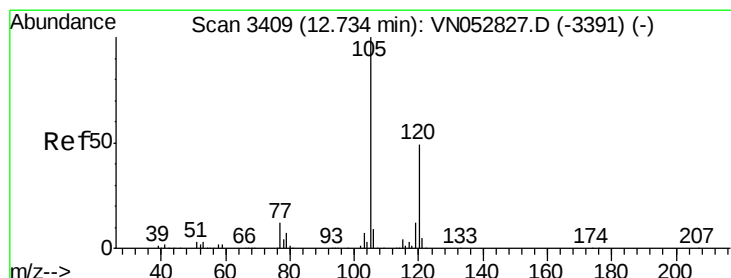
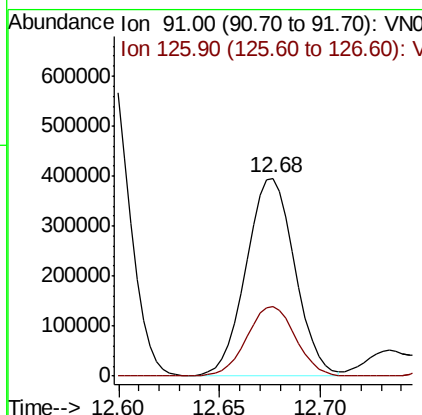
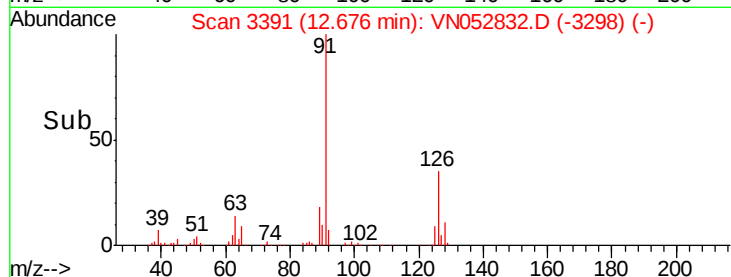
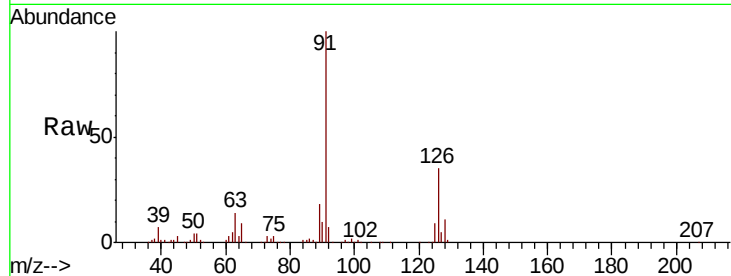




#79
 2-Chlorotoluene
 Concen: 19.988 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

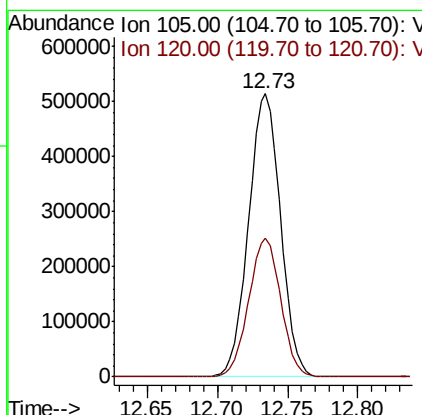
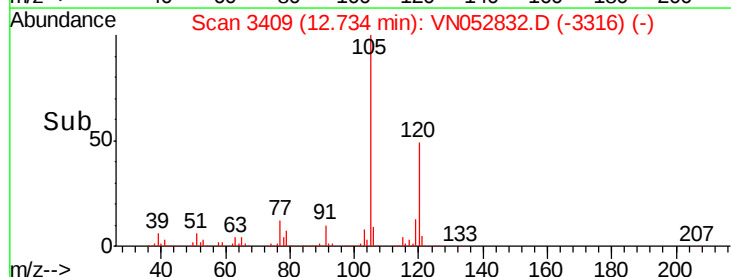
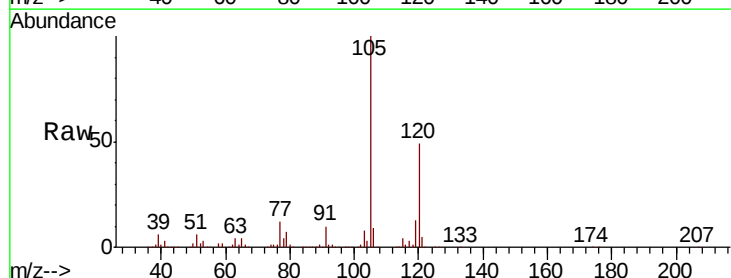
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

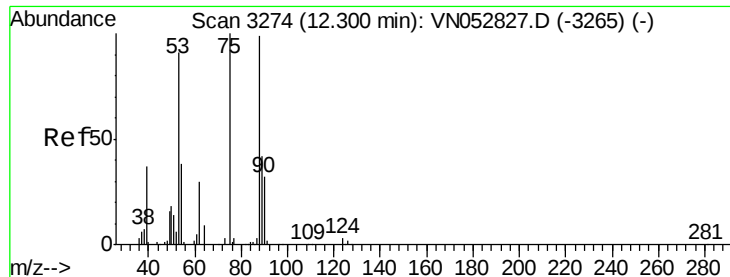
Tot Ion: 91 Resp: 666423
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.429 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 105 Resp: 815496
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.745 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

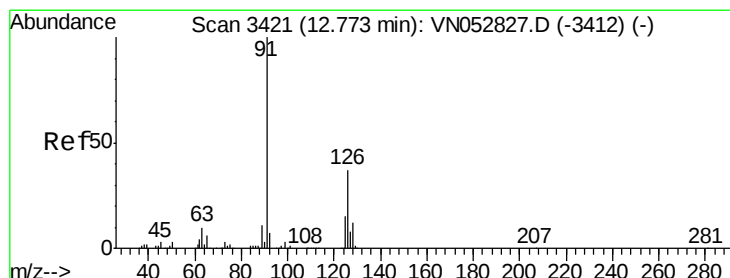
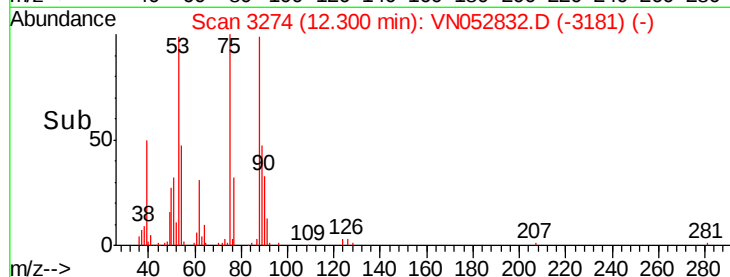
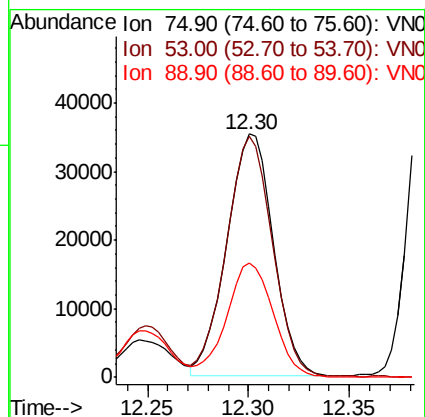
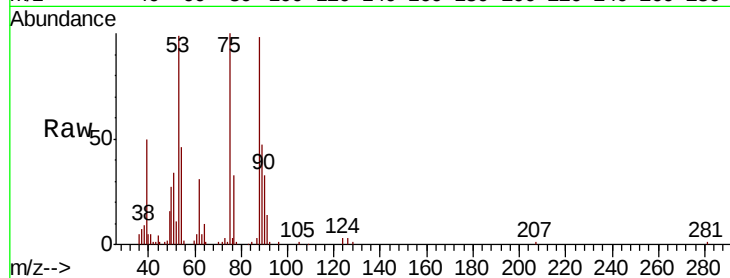
Tot Ion: 75 Resp: 57017

Ion Ratio Lower Upper

75 100

53 99.5 74.7 112.1

89 47.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052832.D

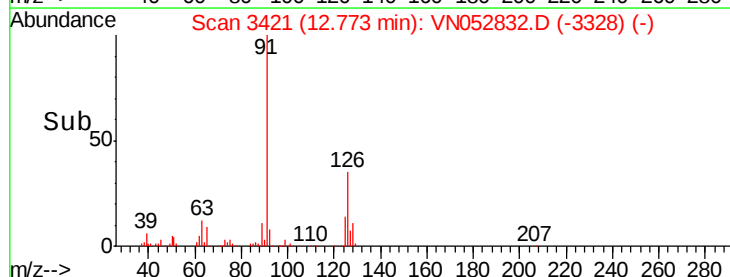
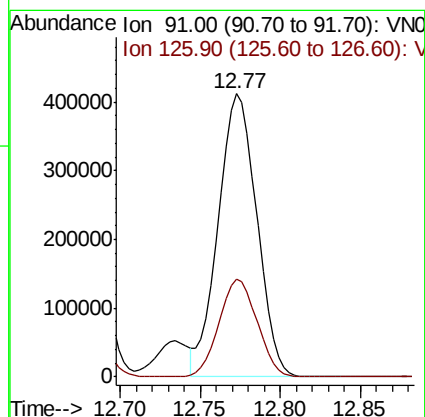
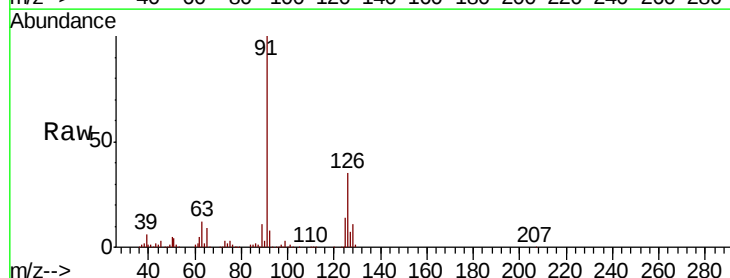
Acq: 12 Dec 2018 17:33

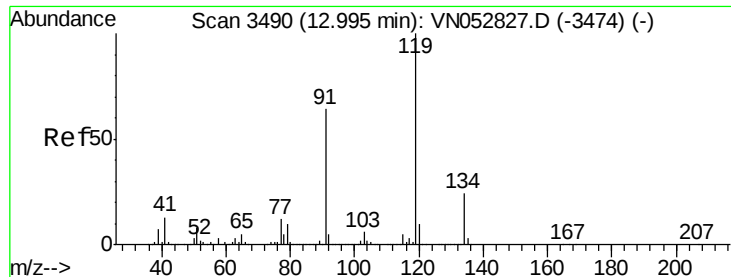
Tgt Ion: 91 Resp: 682182

Ion Ratio Lower Upper

91 100

126 34.1 17.3 51.7

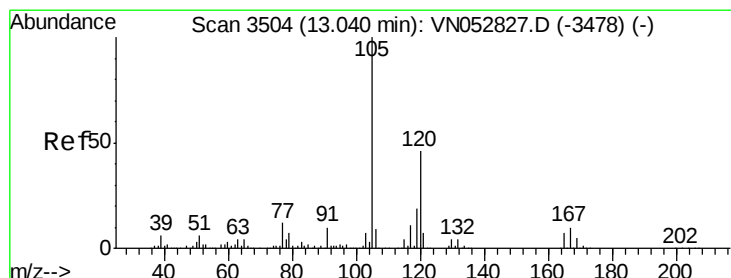
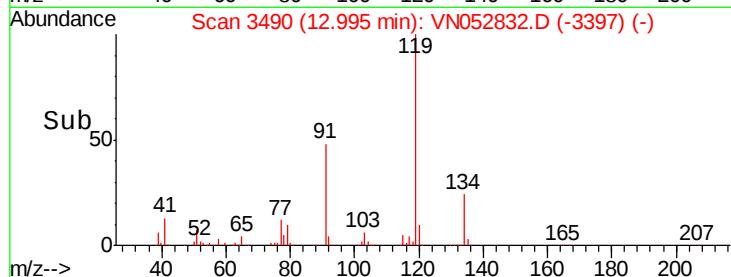
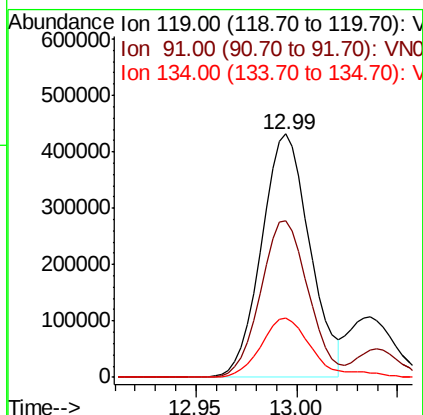
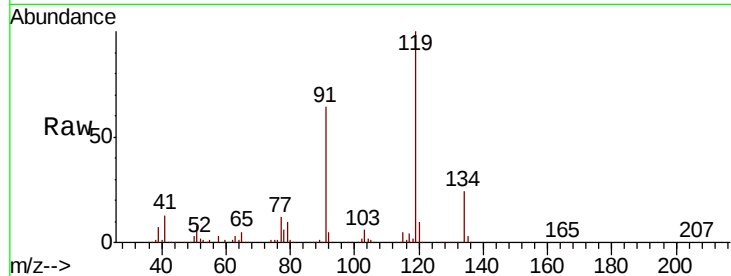




#83
tert-Butylbenzene
Concen: 20.434 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

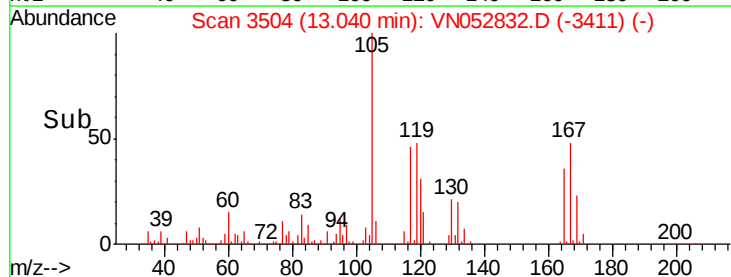
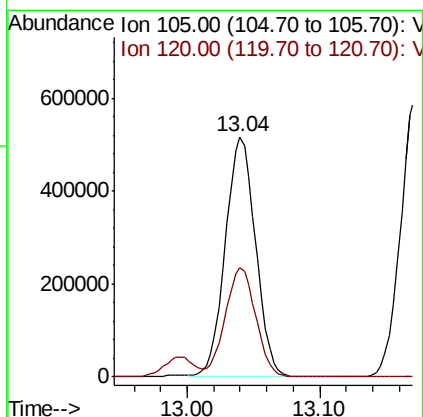
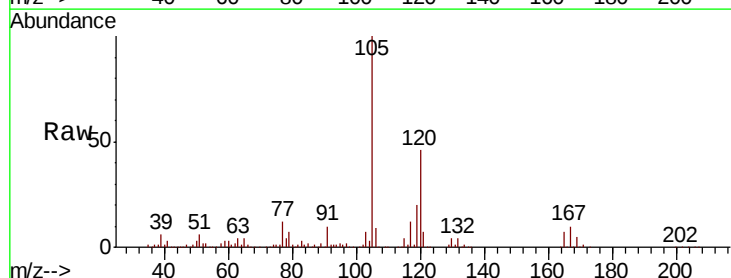
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

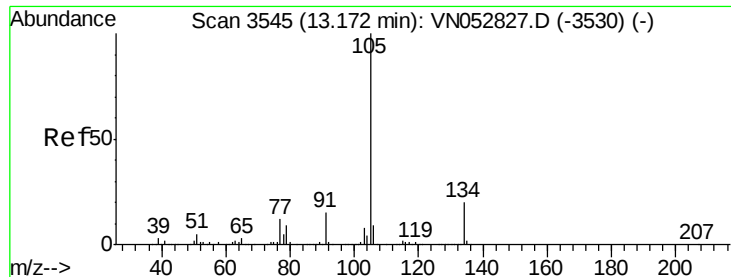
Tot Ion:119 Resp: 719578
Ion Ratio Lower Upper
119 100
91 63.7 31.9 95.5
134 25.9 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion:105 Resp: 817491
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.432 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

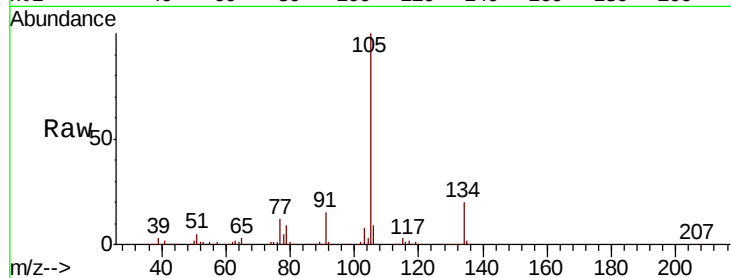
VN1212WBS02

Tot Ion:105 Resp: 974389

Ion Ratio Lower Upper

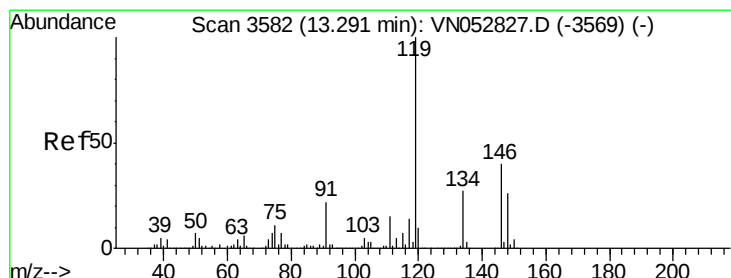
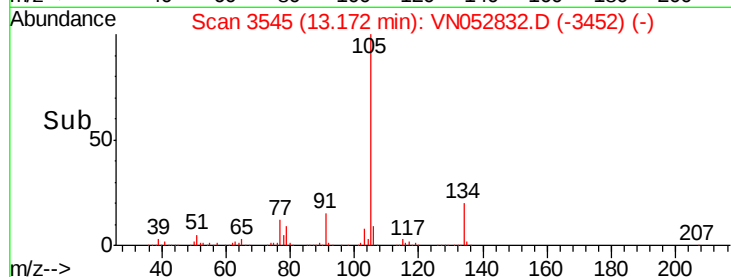
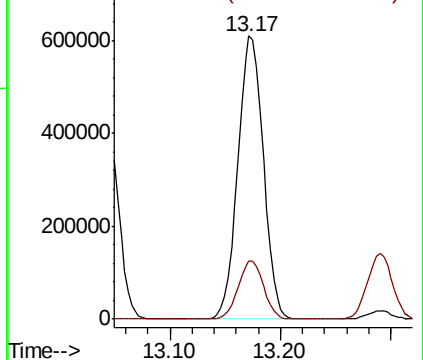
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.491 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

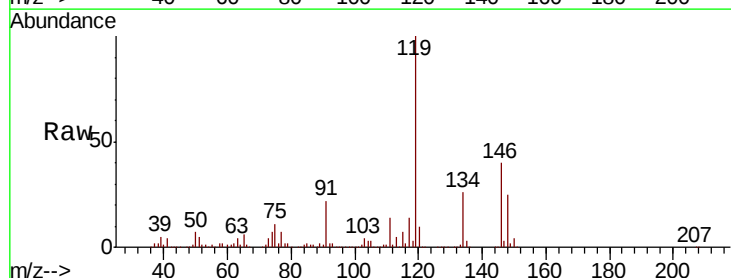
Tgt Ion:119 Resp: 846646

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

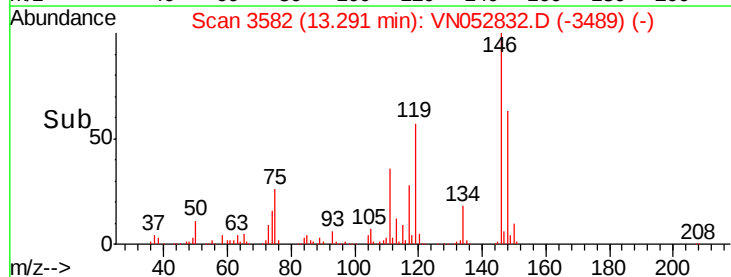
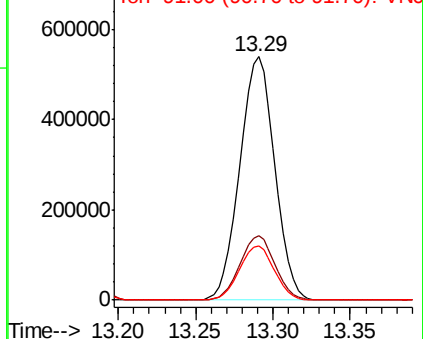
91 22.3 11.1 33.3

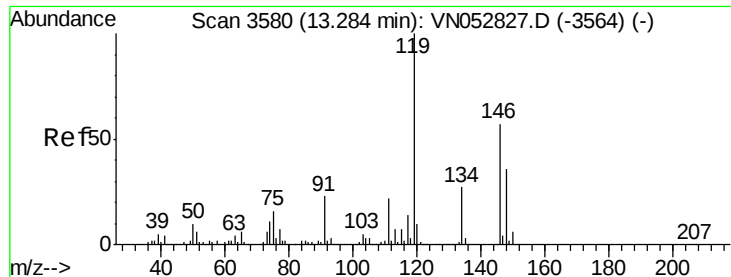


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

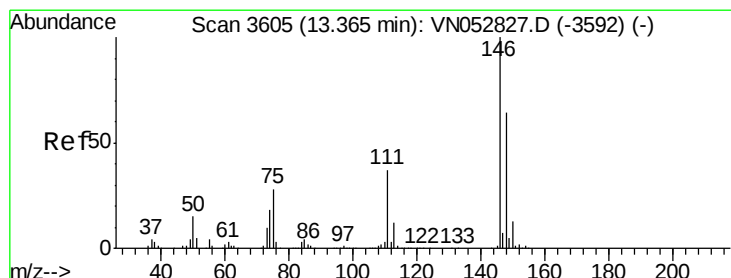
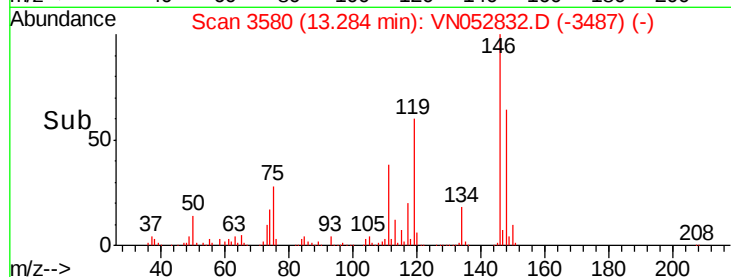
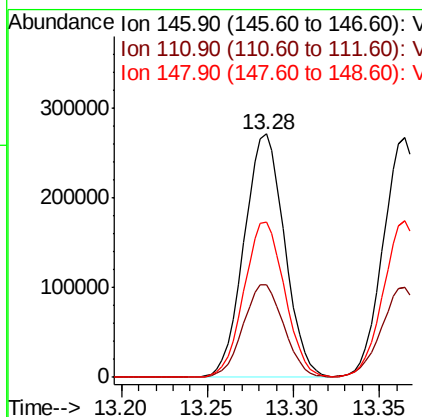
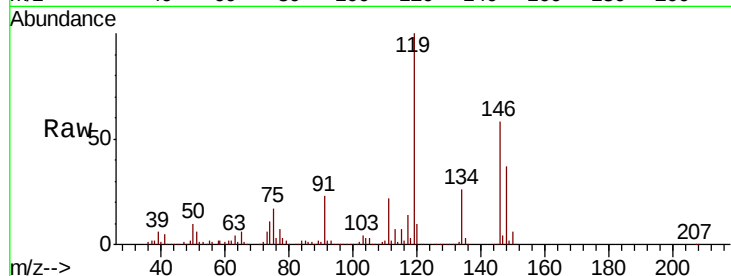




#87
 1,3-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

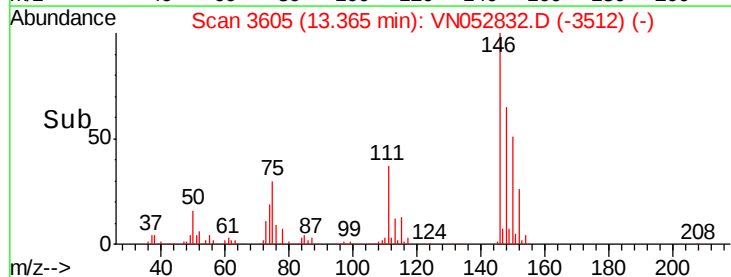
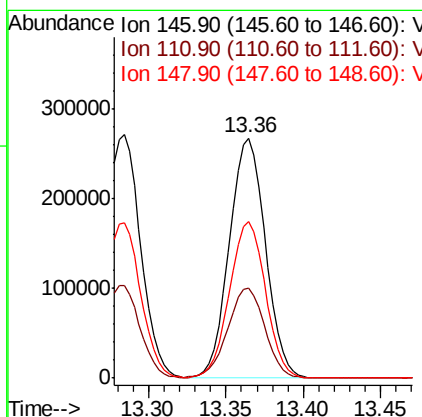
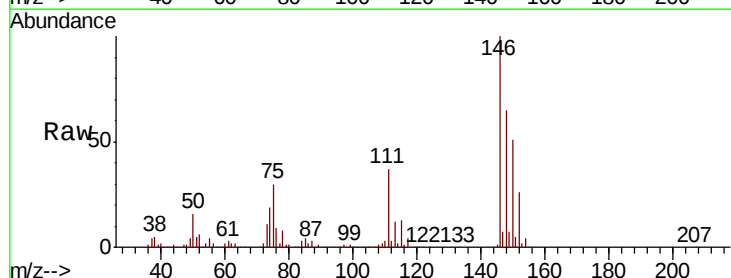
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

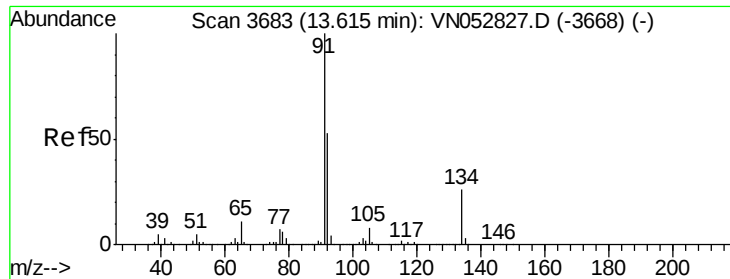
Tot Ion:146 Resp: 442956
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.539 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion:146 Resp: 432486
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.6 55.8
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 19.941 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

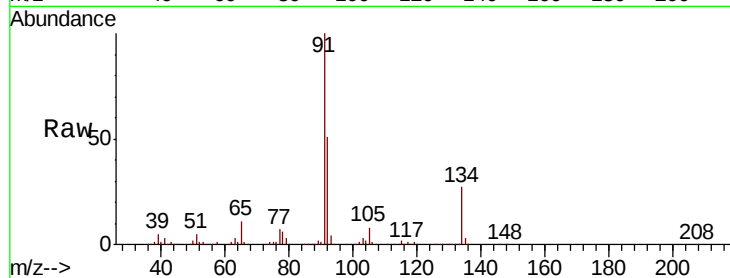
Tot Ion: 91 Resp: 693598

Ion Ratio Lower Upper

91 100

92 51.8 26.3 78.9

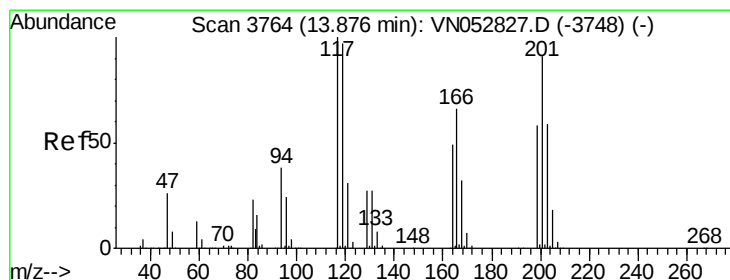
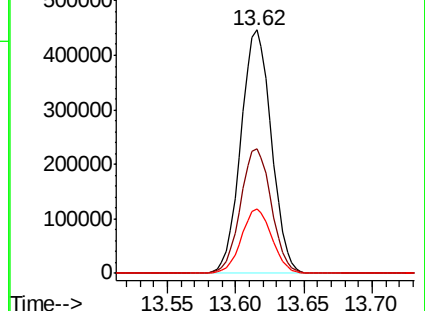
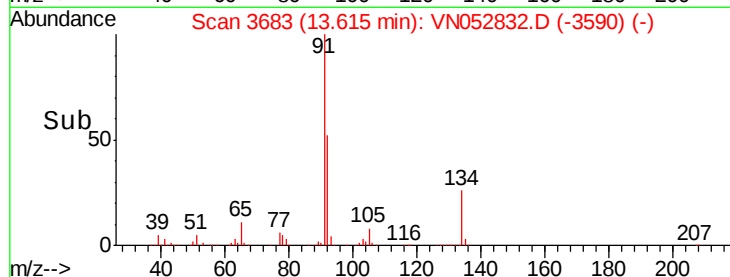
134 26.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052832.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052832.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052832.D (-3590) (-)



#90

Hexachloroethane

Concen: 19.633 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052832.D

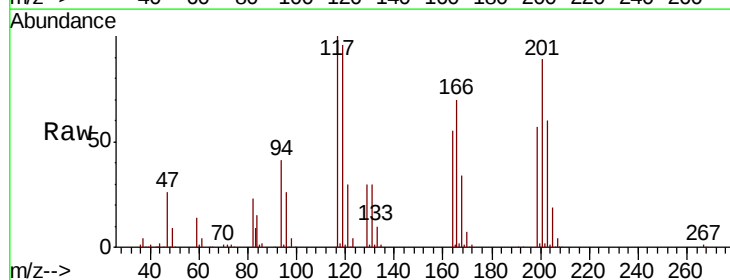
Acq: 12 Dec 2018 17:33

Tgt Ion: 117 Resp: 135834

Ion Ratio Lower Upper

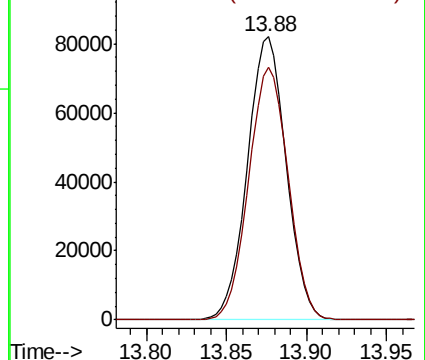
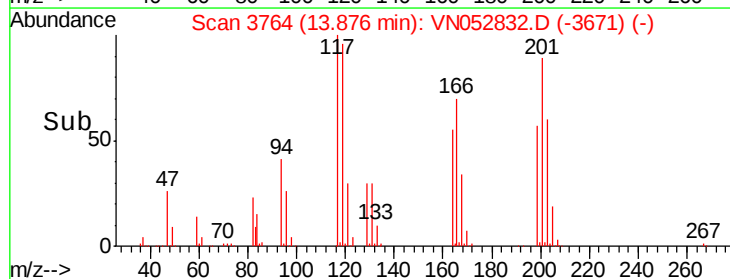
117 100

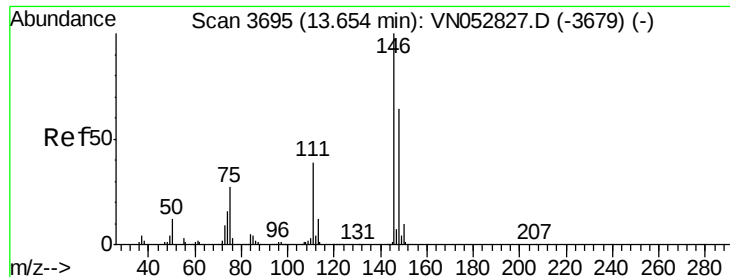
201 91.0 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052832.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052832.D (-3671) (-)

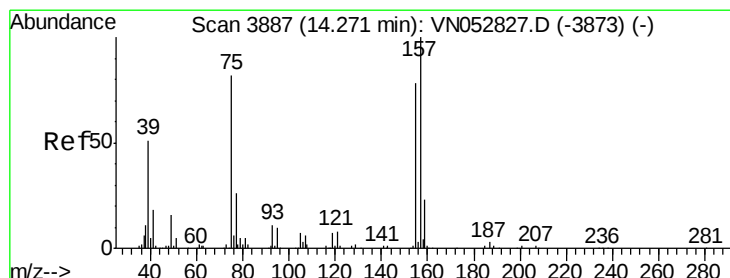
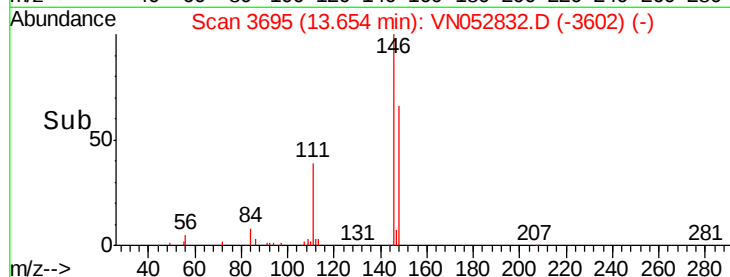
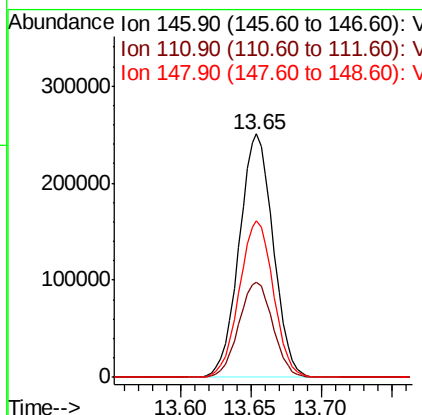
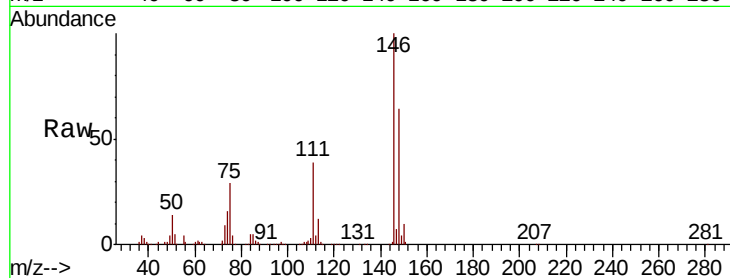




#91
 1,2-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

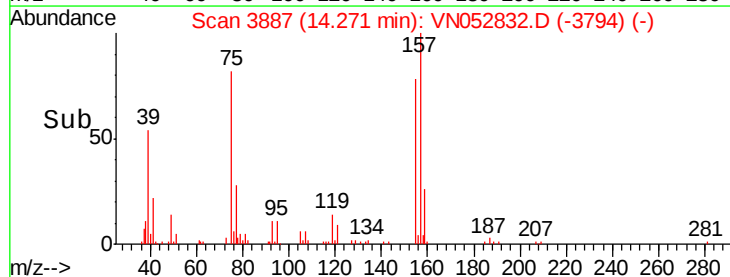
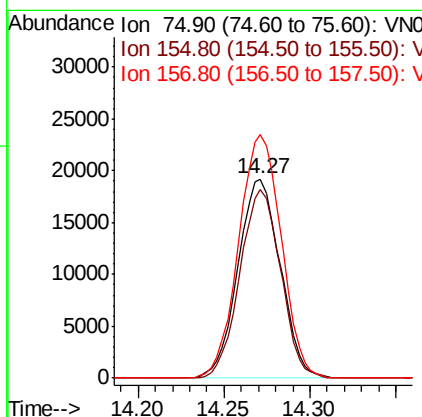
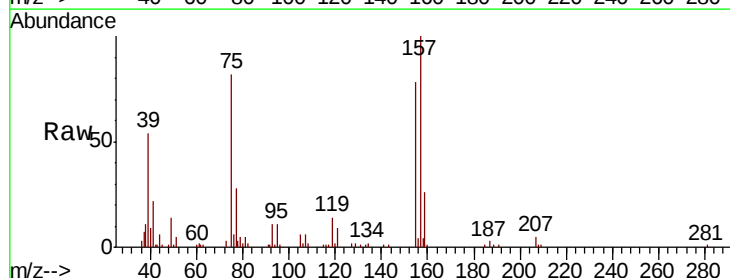
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

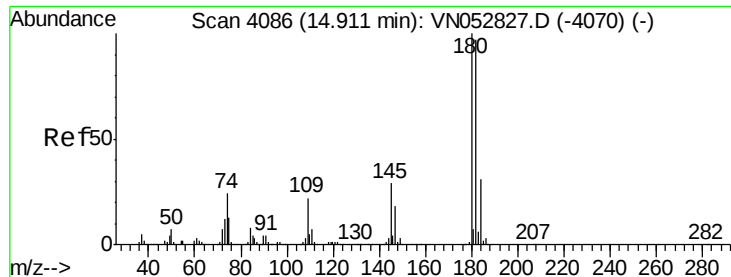
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.698 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	48.2	144.6
157	122.9	61.2	183.5

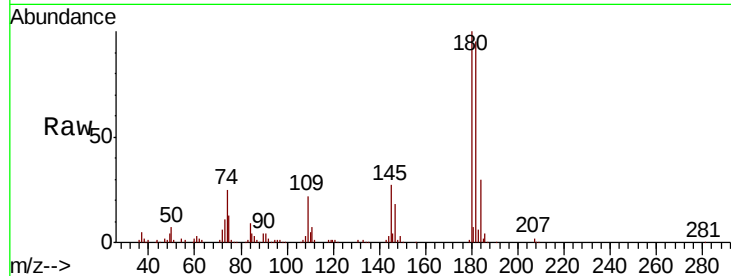




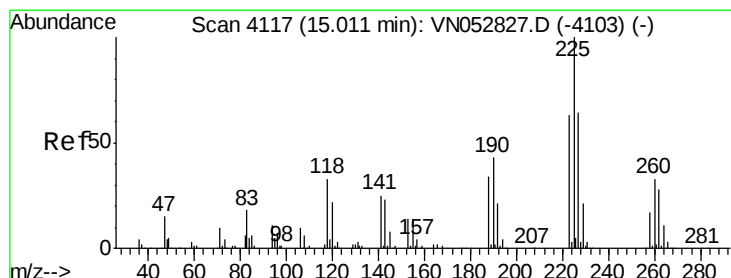
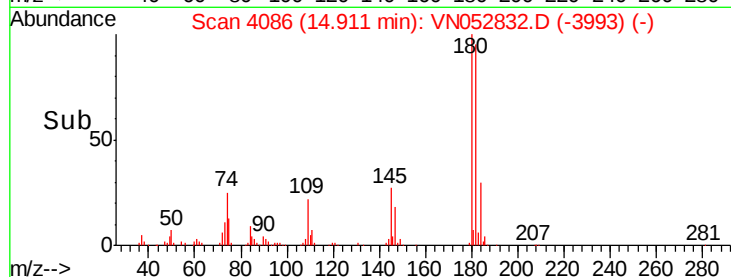
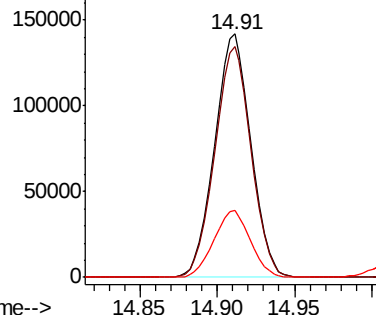
#93
 1,2,4-Trichlorobenzene
 Concen: 19.804 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	27.6	14.2	42.6

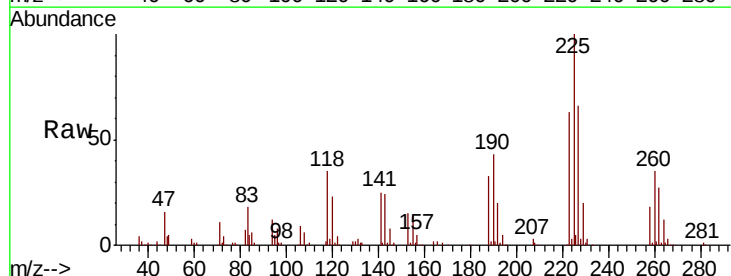


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

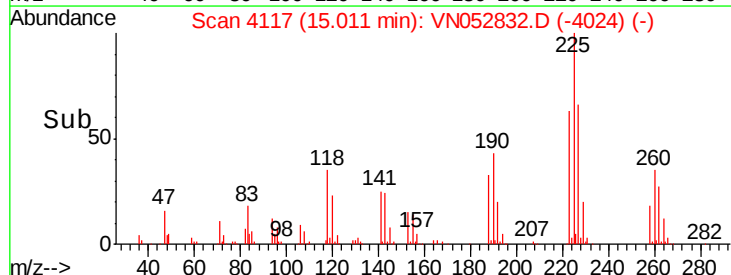
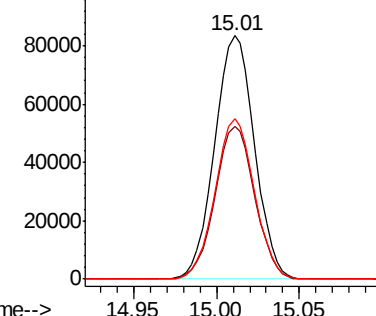


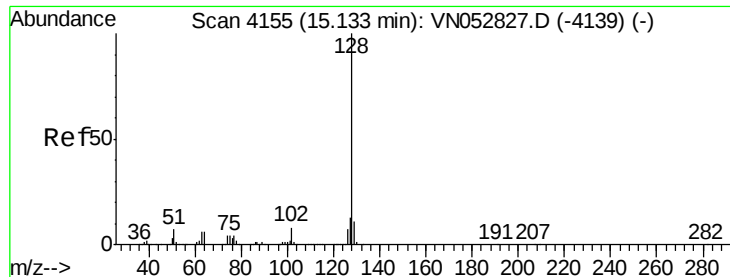
#94
 Hexachlorobutadiene
 Concen: 20.637 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	64.7	31.9	95.7



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: 19.029 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

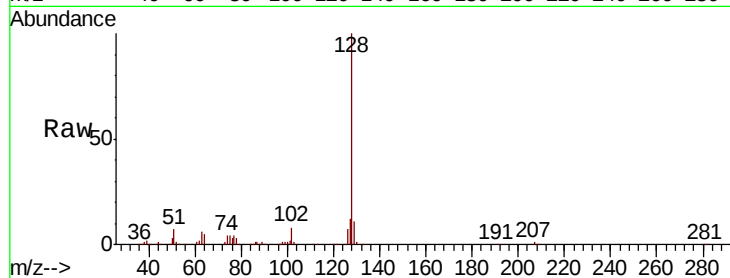
Tot Ion:128 Resp: 460611

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

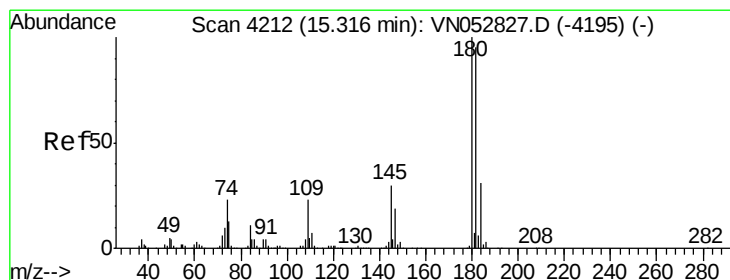
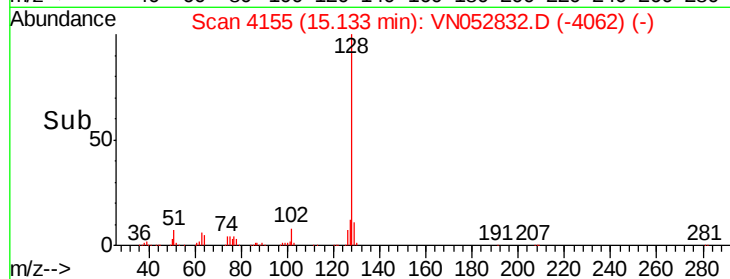
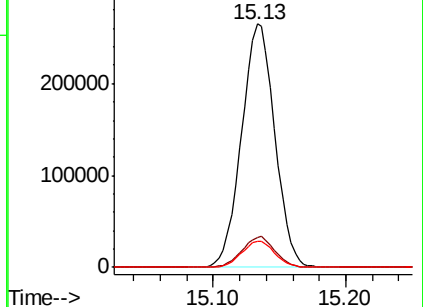
129 10.8 8.6 13.0



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: 19.264 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

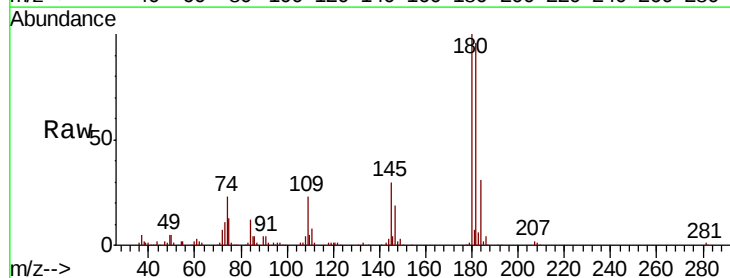
Tgt Ion:180 Resp: 206584

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.7

145 29.6 15.0 45.0



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

