

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050770.D
 Acq On : 20 Aug 2018 13:32
 Operator : MD\SY
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Quant Time: Aug 21 03:29:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	945610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404670	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	382067	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1442641	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	451601	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127816	17.13	ug/l	99
3) Chloromethane	2.06	50	168552	18.22	ug/l	100
4) Vinyl Chloride	2.18	62	174306	17.58	ug/l	99
5) Bromomethane	2.56	94	97706	16.96	ug/l	97
6) Chloroethane	2.70	64	105678	18.17	ug/l	99
7) Trichlorofluoromethane	3.01	101	231366	17.79	ug/l	99
8) Diethyl Ether	3.41	74	79683	18.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147563	18.76	ug/l	100
10) Methyl Iodide	3.95	142	89604	20.75	ug/l	100
11) Tert butyl alcohol	4.79	59	43126	94.65	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	130069	18.11	ug/l	95
13) Acrolein	3.61	56	34259	195.15	ug/l	98
14) Allyl chloride	4.32	41	202610	18.13	ug/l	99
15) Acrylonitrile	4.99	53	230896	92.27	ug/l	99
16) Acetone	3.82	43	216350	102.99	ug/l	97
17) Carbon Disulfide	4.05	76	379899	16.81	ug/l	99
18) Methyl Acetate	4.33	43	122069	20.24	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	344520	18.85	ug/l	100
20) Methylene Chloride	4.55	84	154755	18.72	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	140169	18.00	ug/l	99
22) Diisopropyl ether	5.95	45	450185	19.65	ug/l	95
23) Vinyl Acetate	5.90	43	1400527	93.46	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271760	18.33	ug/l	99
25) 2-Butanone	6.84	43	326453	95.42	ug/l	100
26) 2,2-Dichloropropane	6.83	77	218575	22.03	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160082	18.46	ug/l	98
28) Bromochloromethane	7.20	49	131049	19.43	ug/l	98
29) Tetrahydrofuran	7.21	42	168294	94.21	ug/l	99
30) Chloroform	7.37	83	272710	18.16	ug/l	97
31) Cyclohexane	7.65	56	236301	18.46	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	232948	18.42	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202637	19.25	ug/l	100
37) Ethyl Acetate	6.93	43	118963	19.99	ug/l	99
38) Carbon Tetrachloride	7.78	117	205756	18.84	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	214404	19.67	ug/l	96
40) Benzene	8.04	78	622100	19.43	ug/l	99
41) Methacrylonitrile	7.17	41	58291	18.12	ug/l	91
42) 1,2-Dichloroethane	8.13	62	187615	19.12	ug/l	99
43) Isopropyl Acetate	8.17	43	206837	19.07	ug/l #	86
44) Trichloroethene	8.84	130	162367	18.93	ug/l	99
45) 1,2-Dichloropropane	9.12	63	163620	19.19	ug/l	99
46) Dibromomethane	9.21	93	94624	18.80	ug/l	97
47) Bromodichloromethane	9.40	83	203906	18.95	ug/l	98
48) Methyl methacrylate	9.20	41	98796	18.11	ug/l	99
49) 1,4-Dioxane	9.20	88	26318	366.14	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	727005	99.13	ug/l	100
52) Toluene	10.16	92	377058	19.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196077	19.56	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	233104	20.27	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137289	19.22	ug/l	99
56) Ethyl methacrylate	10.43	69	157801	18.56	ug/l	99
57) 1,3-Dichloropropane	10.71	76	226804	19.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	360956	89.67	ug/l	99
59) 2-Hexanone	10.75	43	466470	98.55	ug/l	99
60) Dibromochloromethane	10.90	129	151076	19.16	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130796	19.23	ug/l	99
64) Tetrachloroethene	10.63	164	147683	18.68	ug/l	98
65) Chlorobenzene	11.43	112	407429	19.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	155098	19.53	ug/l	99
67) Ethyl Benzene	11.51	91	674202	19.71	ug/l	100
68) m/p-Xylenes	11.62	106	529672	40.49	ug/l	100
69) o-Xylene	11.95	106	250901	20.11	ug/l	100
70) Styrene	11.96	104	398987	18.59	ug/l	100
71) Bromoform	12.13	173	100473	19.08	ug/l #	100
73) Isopropylbenzene	12.25	105	667618	20.96	ug/l	100
74) N-amyl acetate	12.07	43	154591	18.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164635	20.91	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	189402	28.30	ug/l #	100
77) Bromobenzene	12.53	156	170455	19.71	ug/l	100
78) n-propylbenzene	12.59	91	748503	21.07	ug/l	99
79) 2-Chlorotoluene	12.67	91	456277	20.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548877	21.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38173	20.81	ug/l	98
82) 4-Chlorotoluene	12.77	91	451953	20.65	ug/l	100
83) tert-Butylbenzene	12.99	119	462365	20.88	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	549332	21.46	ug/l	100
85) sec-Butylbenzene	13.17	105	615869	21.28	ug/l	100
86) p-Isopropyltoluene	13.29	119	527953	21.53	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	285458	19.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	281755	19.28	ug/l	99
89) n-Butylbenzene	13.62	91	396780	20.04	ug/l	98
90) Hexachloroethane	13.88	117	95810	19.43	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278668	19.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21617	19.02	ug/l	96

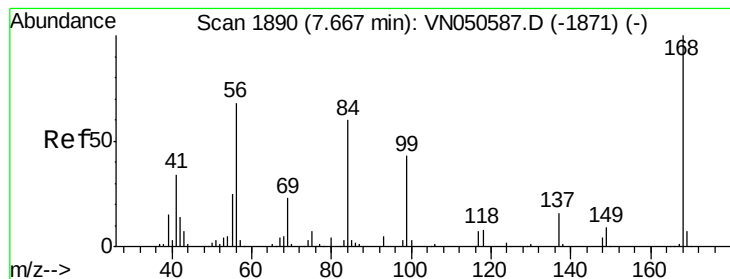
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112158	17.07	ug/l	99
94) Hexachlorobutadiene	15.01	225	89755	20.38	ug/l	98
95) Naphthalene	15.13	128	204624	15.90	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114136	17.87	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

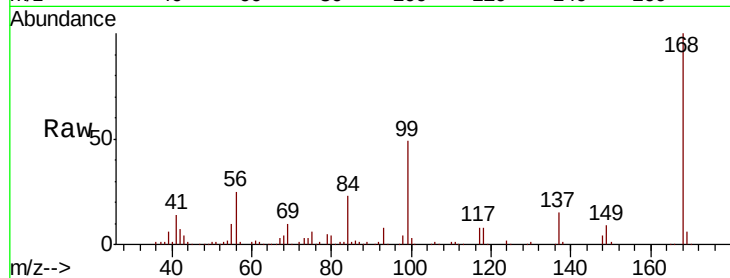
VN0820WBS02

Tot Ion:168 Resp: 661987

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

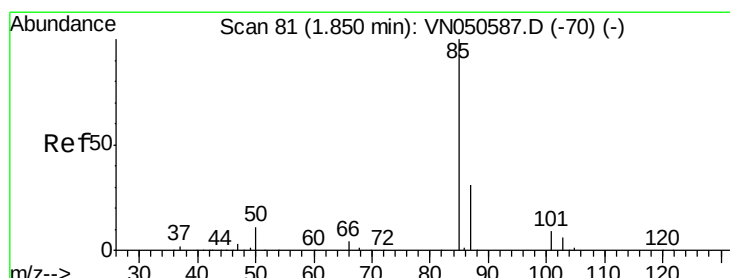
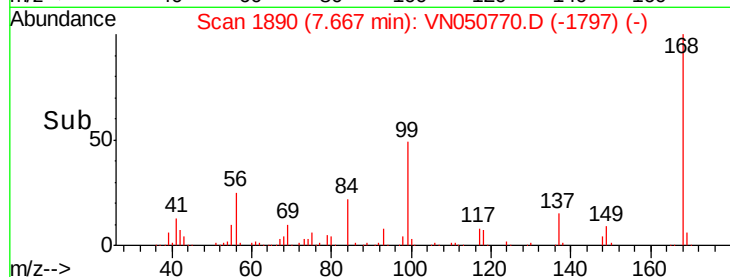
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050770.D

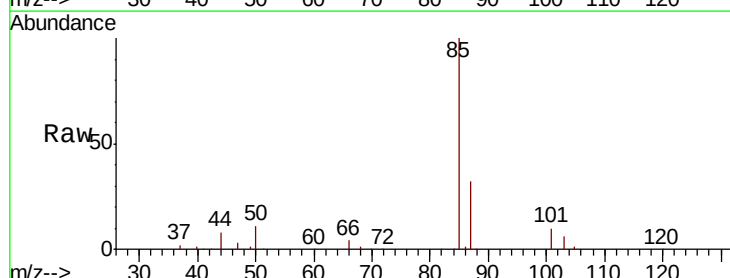
Acq: 20 Aug 2018 13:32

Tgt Ion: 85 Resp: 127816

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

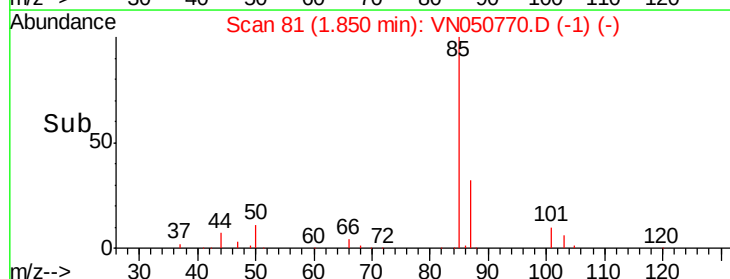
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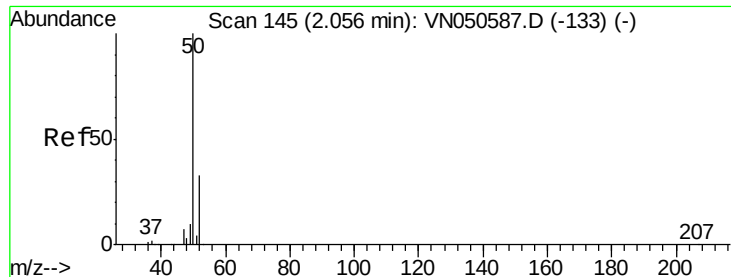
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.22 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

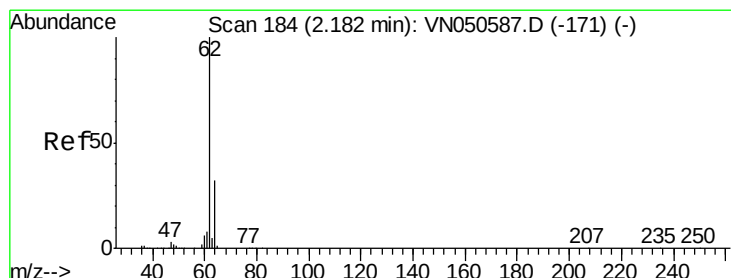
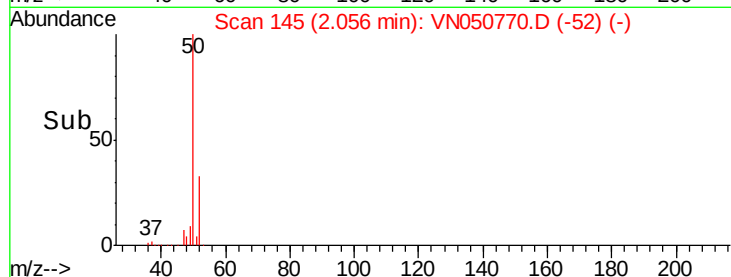
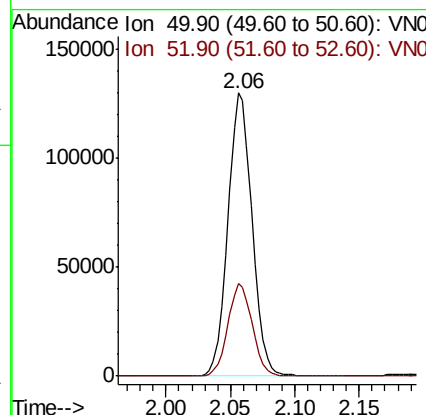
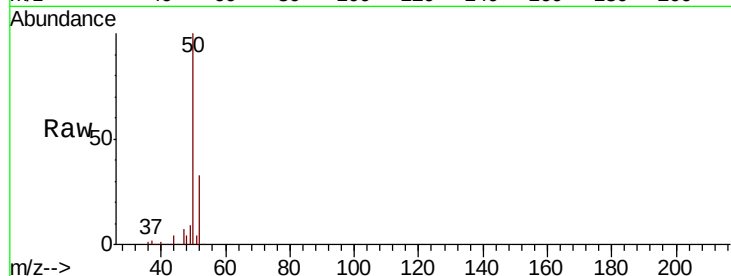
VN0820WBS02

Tot Ion: 50 Resp: 168552

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 17.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050770.D

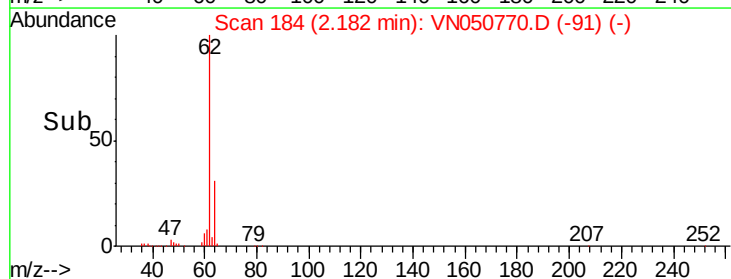
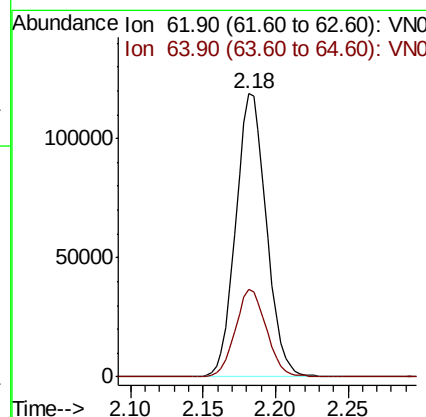
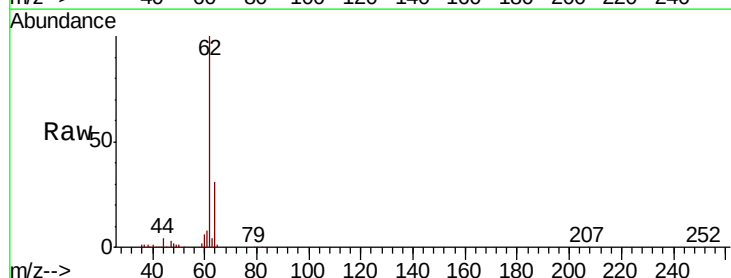
Acq: 20 Aug 2018 13:32

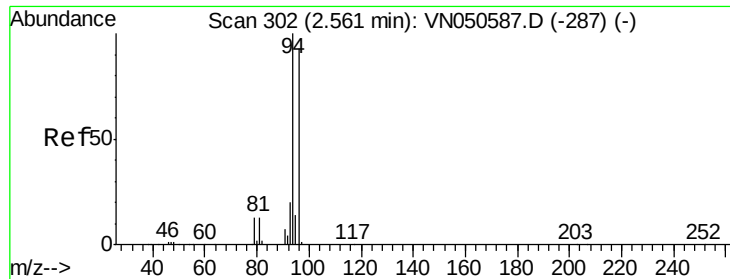
Tgt Ion: 62 Resp: 174306

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 16.96 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

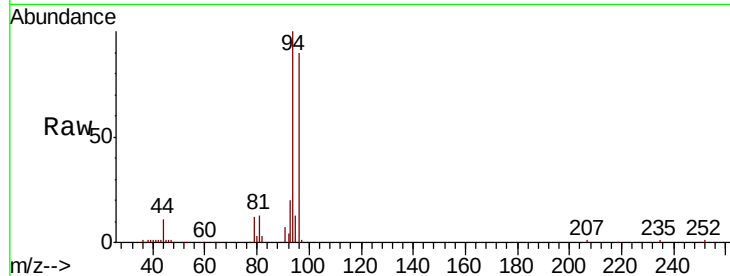
VN0820WBS02

Tot Ion: 94 Resp: 97706

Ion Ratio Lower Upper

94 100

96 90.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

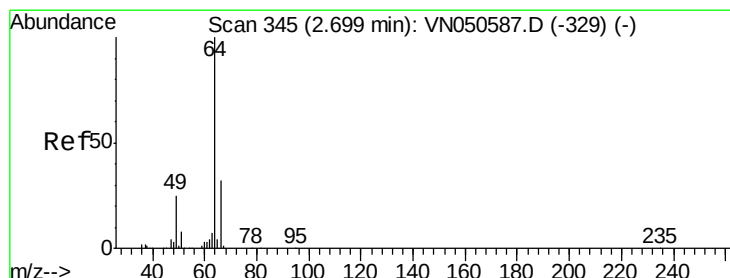
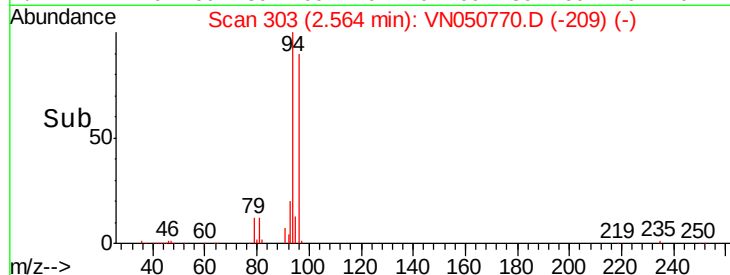
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.17 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050770.D

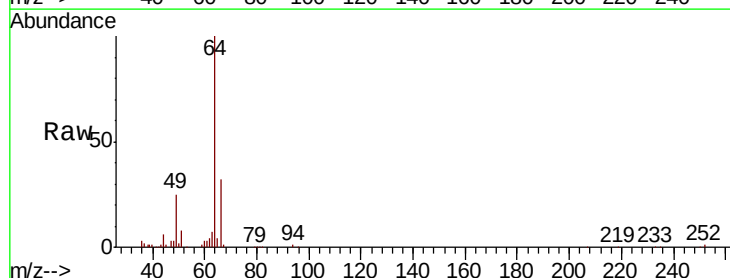
Acq: 20 Aug 2018 13:32

Tgt Ion: 64 Resp: 105678

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

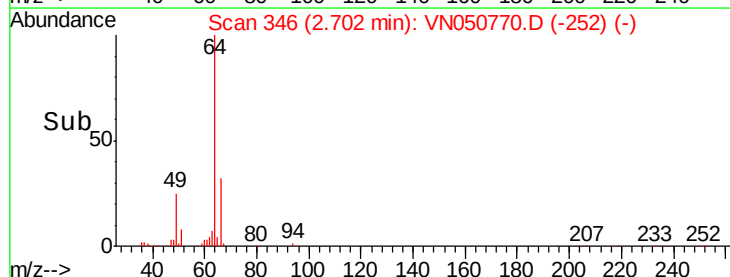
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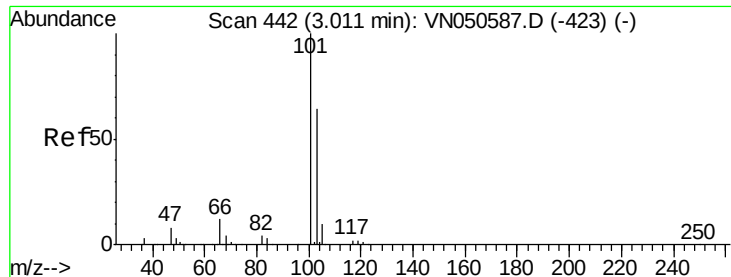
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 17.79 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

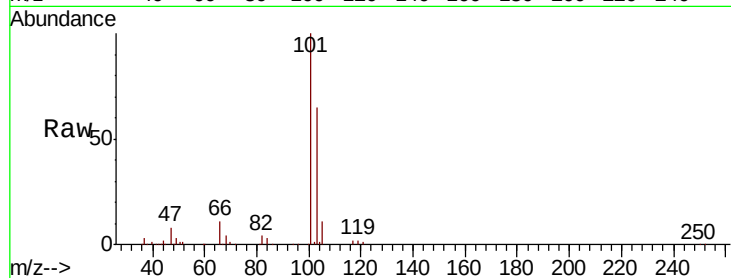
VN0820WBS02

Tot Ion:101 Resp: 231366

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

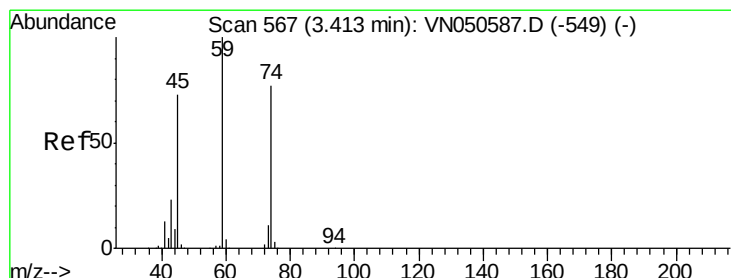
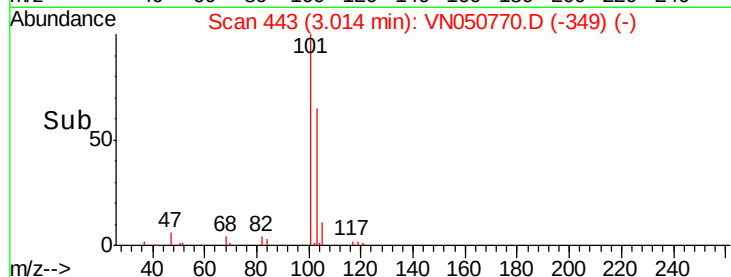
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 18.41 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050770.D

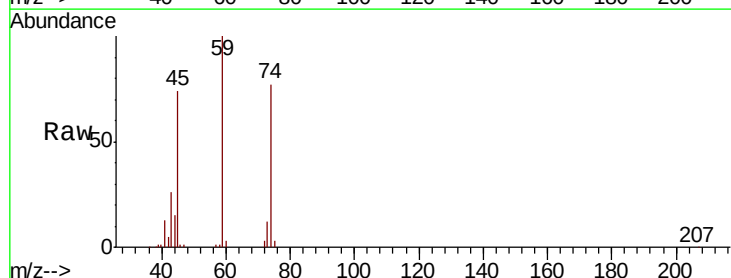
Acq: 20 Aug 2018 13:32

Tgt Ion: 74 Resp: 79683

Ion Ratio Lower Upper

74 100

45 97.8 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

40000

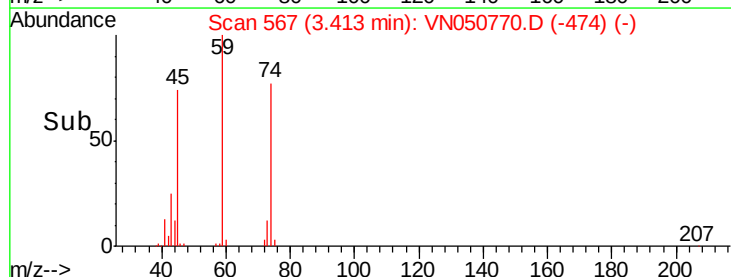
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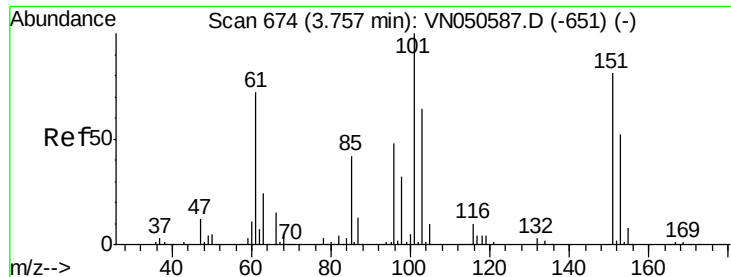
20000

10000

0

Time--> 3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.76 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

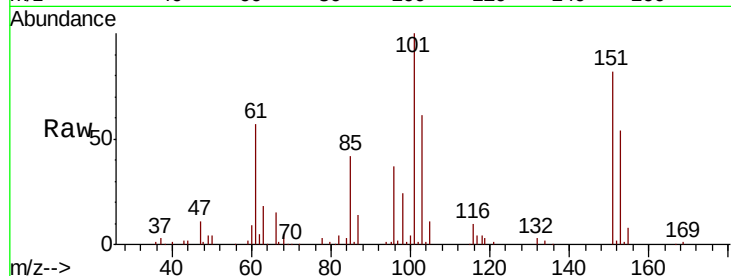
Tot Ion:101 Resp: 147563

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.0

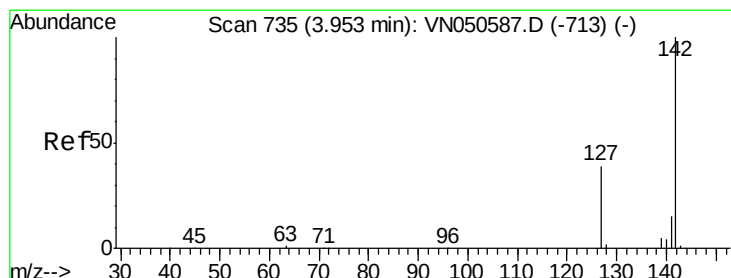
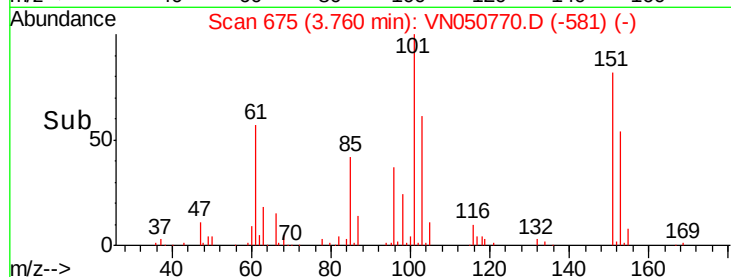
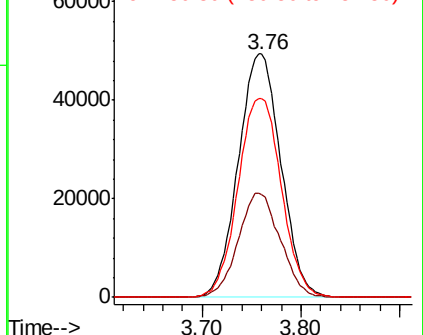
151 83.3 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.75 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

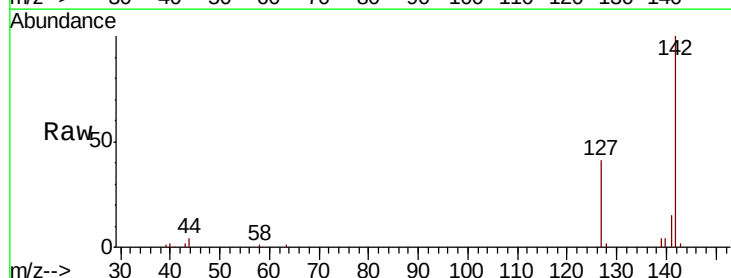
Tgt Ion:142 Resp: 89604

Ion Ratio Lower Upper

142 100

127 40.9 32.6 49.0

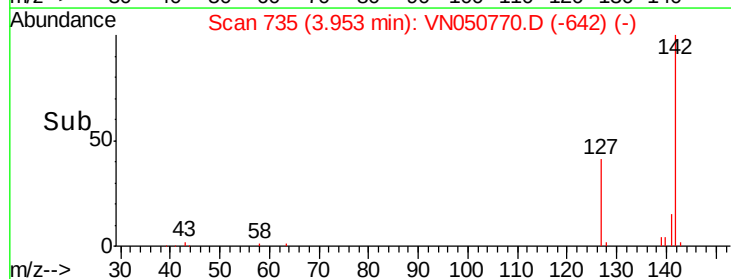
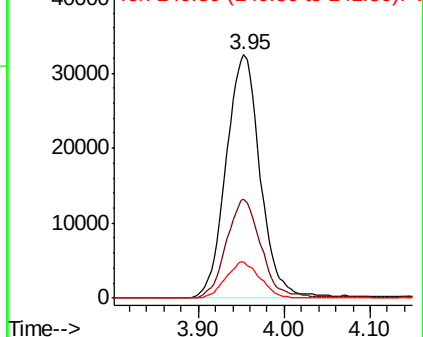
141 14.8 11.5 17.3

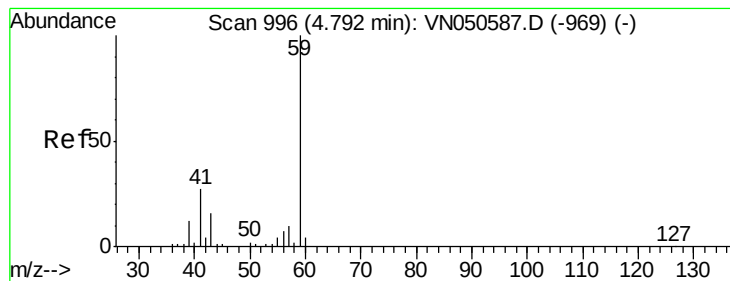


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.65 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

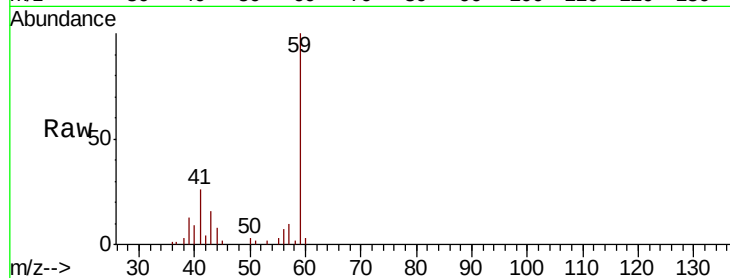
VN0820WBS02

Tot Ion: 59 Resp: 43126

Ion Ratio Lower Upper

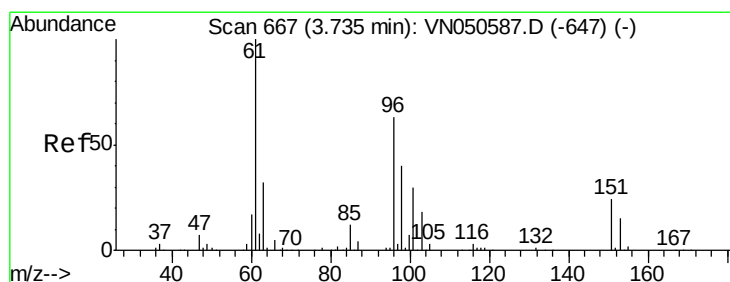
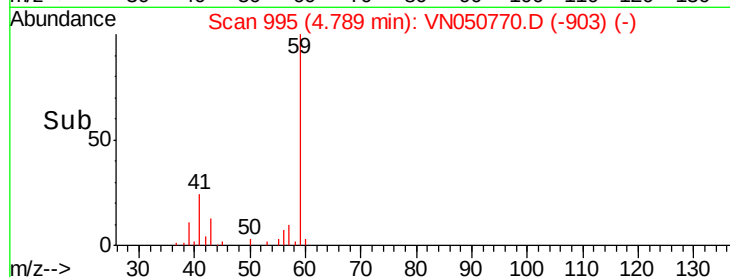
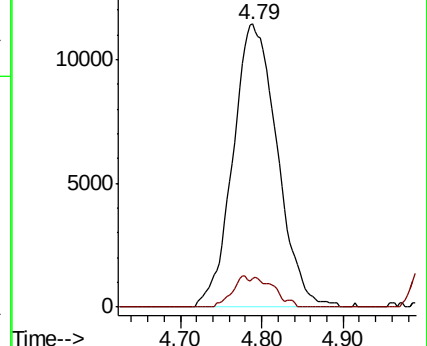
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.11 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

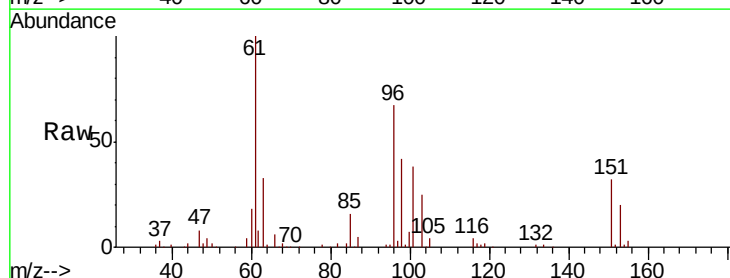
Tgt Ion: 96 Resp: 130069

Ion Ratio Lower Upper

96 100

61 149.0 126.9 190.3

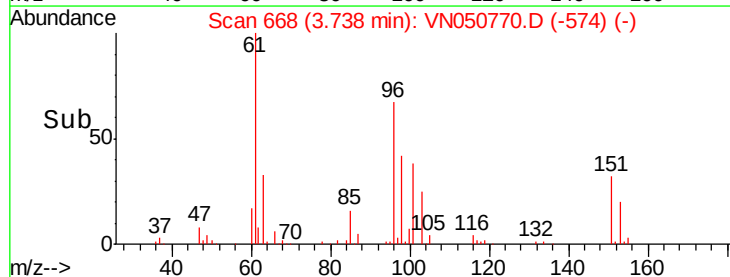
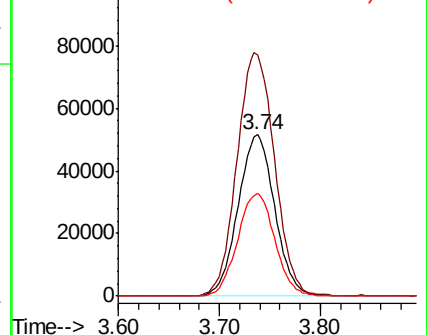
98 63.3 51.1 76.7

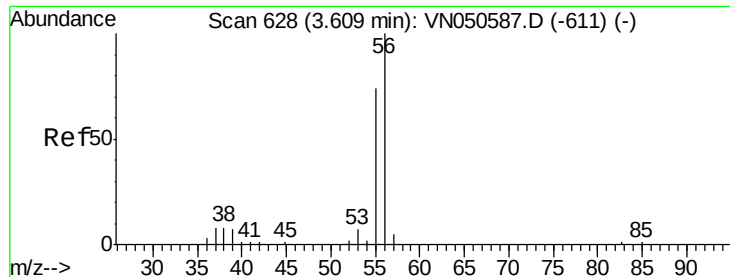


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 195.15 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

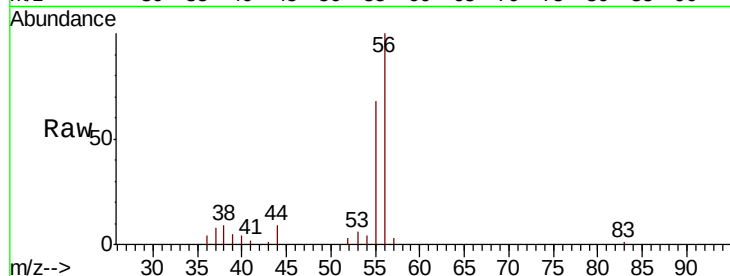
VN0820WBS02

Tot Ion: 56 Resp: 34259

Ion Ratio Lower Upper

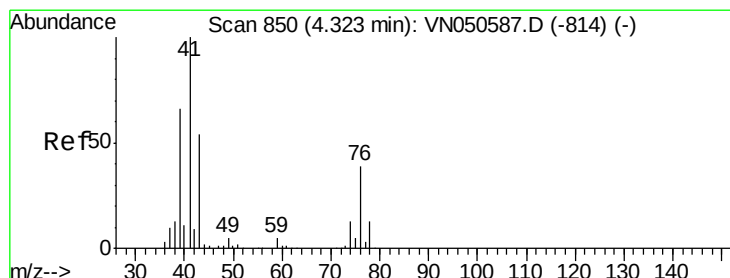
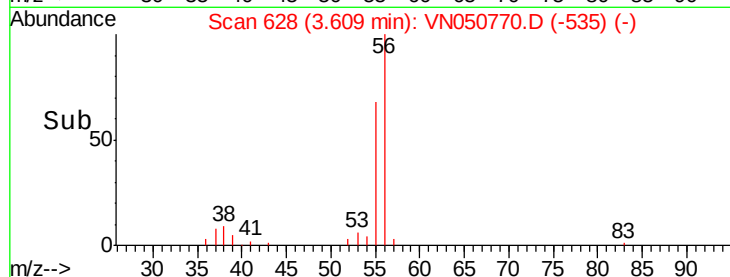
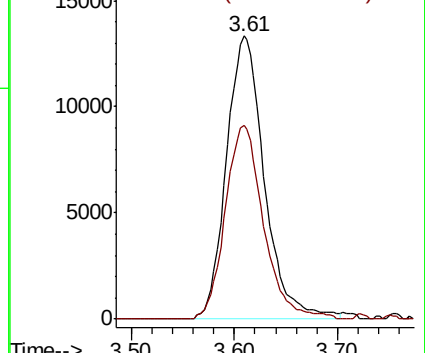
56 100

55 68.9 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.13 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

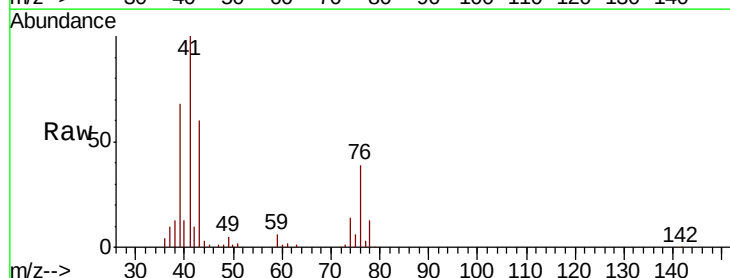
Tgt Ion: 41 Resp: 202610

Ion Ratio Lower Upper

41 100

39 63.9 51.4 77.0

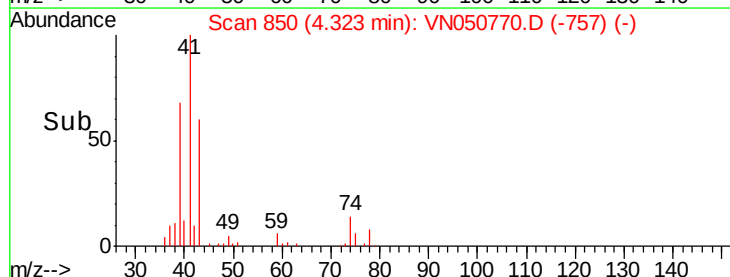
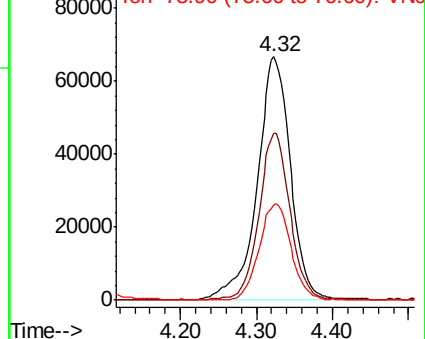
76 38.0 29.4 44.0

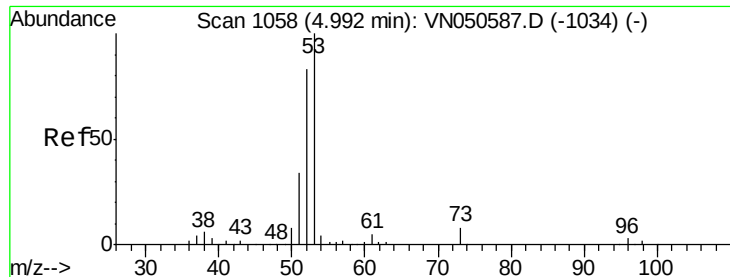


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.27 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

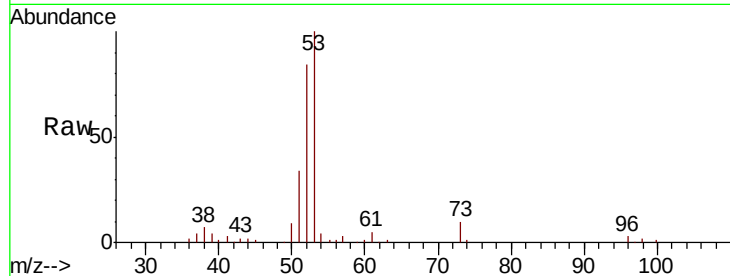
Tot Ion: 53 Resp: 230896

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

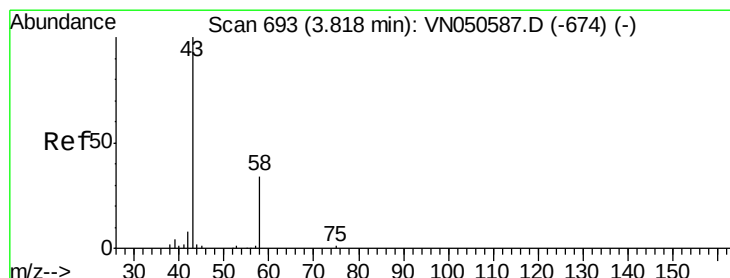
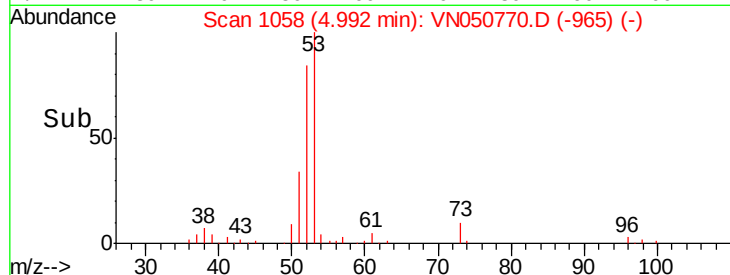
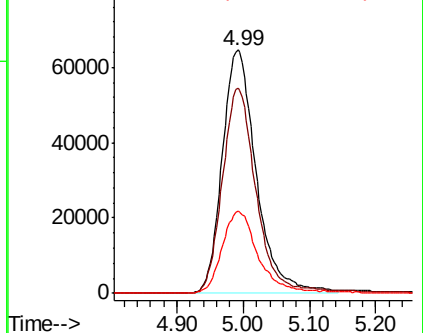
51 35.4 28.6 43.0



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: 102.99 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050770.D

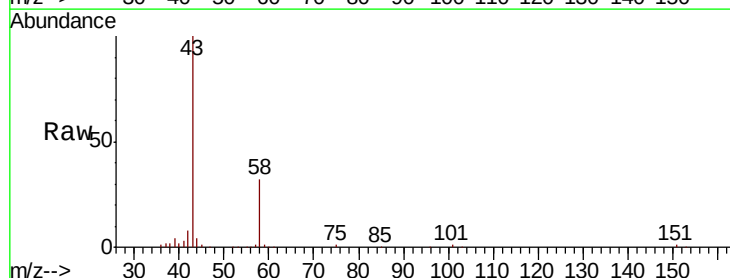
Acq: 20 Aug 2018 13:32

Tgt Ion: 43 Resp: 216350

Ion Ratio Lower Upper

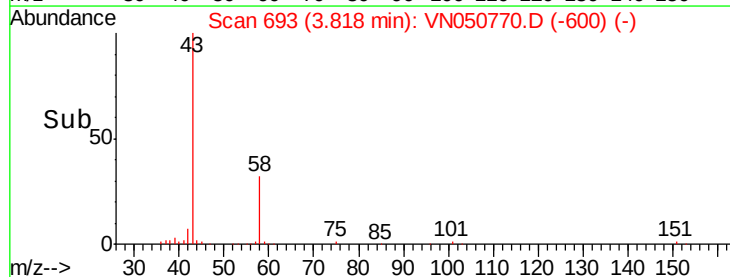
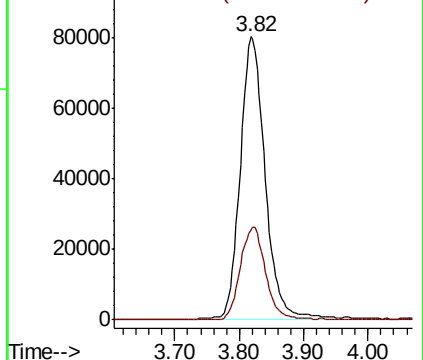
43 100

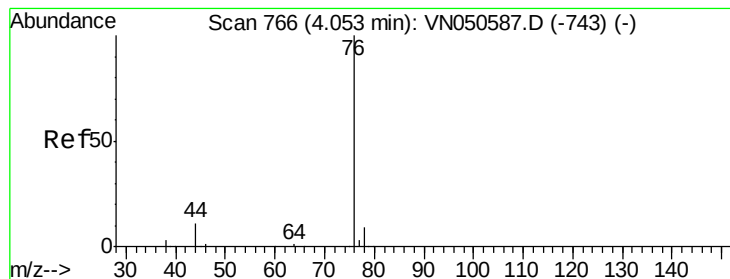
58 32.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.81 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

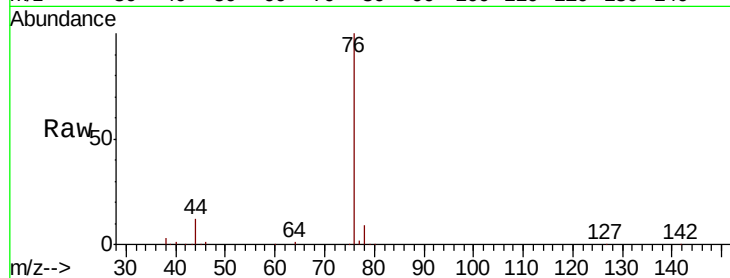
VN0820WBS02

Tot Ion: 76 Resp: 379899

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

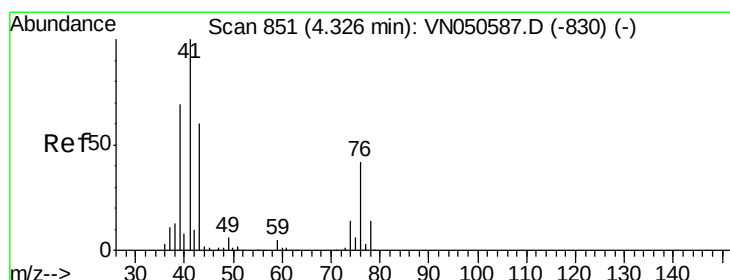
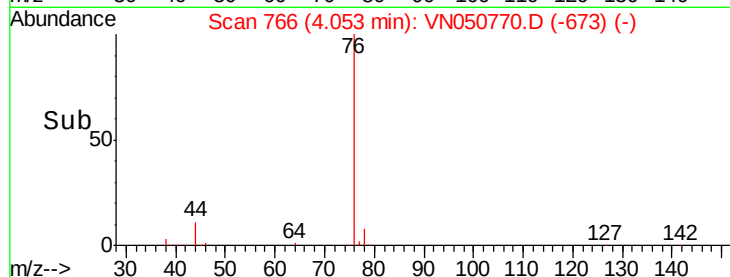
50000

0

4.05

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 20.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050770.D

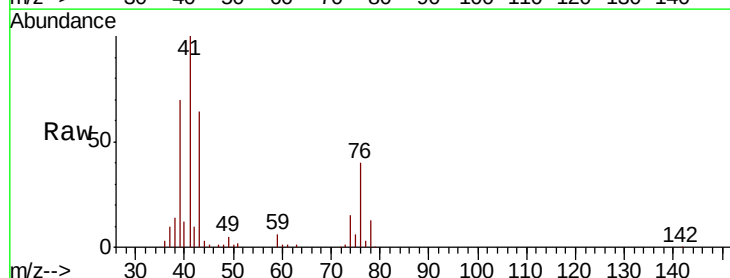
Acq: 20 Aug 2018 13:32

Tgt Ion: 43 Resp: 122069

Ion Ratio Lower Upper

43 100

74 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

50000

40000

30000

20000

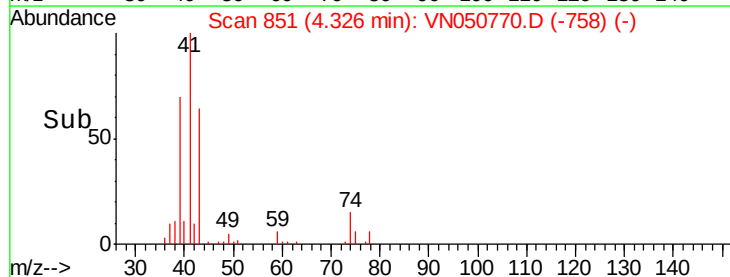
10000

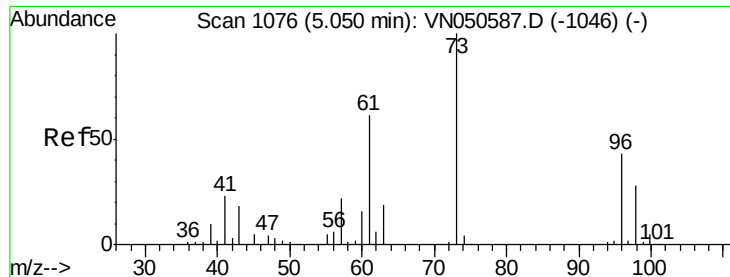
0

4.33

4.20 4.30 4.40 4.50

Time-->

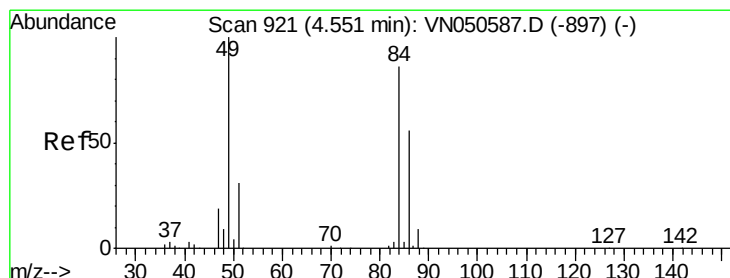
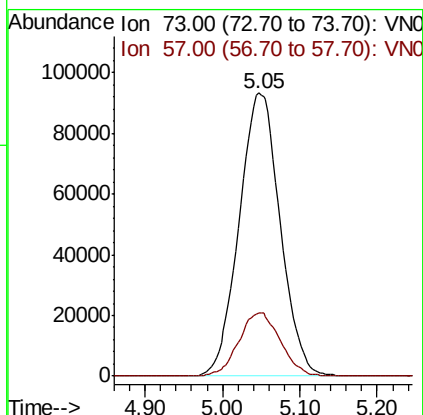
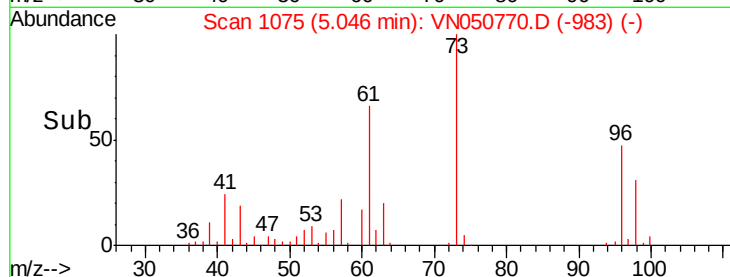
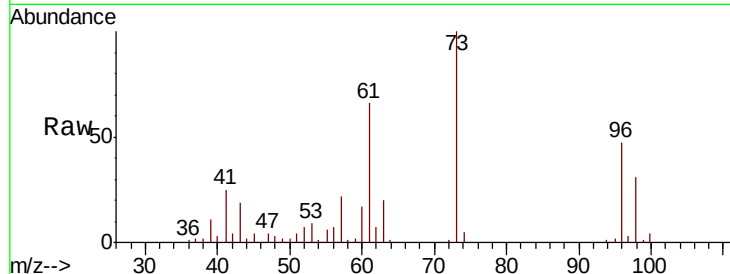




#19
Methyl tert-butyl Ether
Concen: 18.85 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

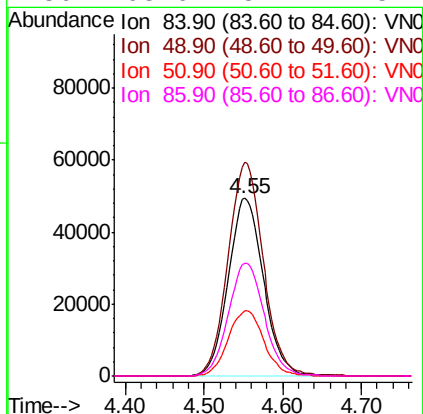
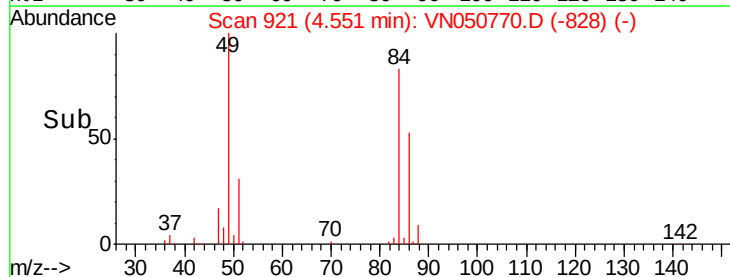
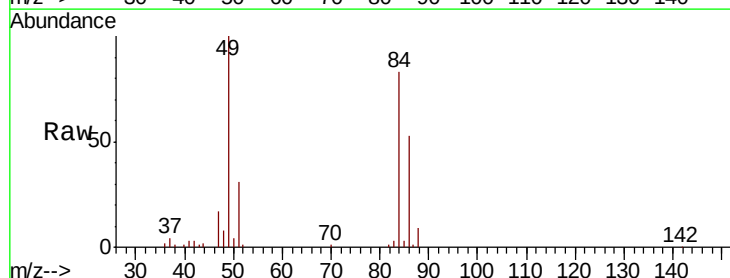
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

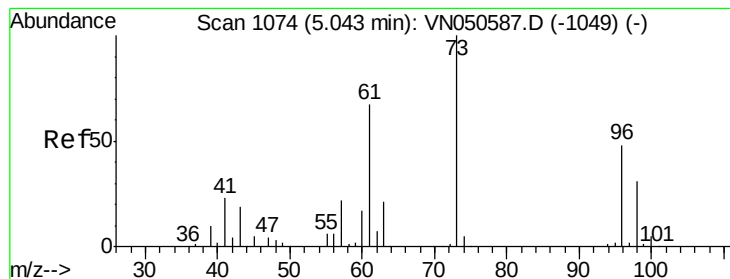
Tot Ion: 73 Resp: 344520
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 18.72 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 84 Resp: 154755
Ion Ratio Lower Upper
84 100
49 120.1 92.6 138.8
51 36.8 28.6 43.0
86 63.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.00 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

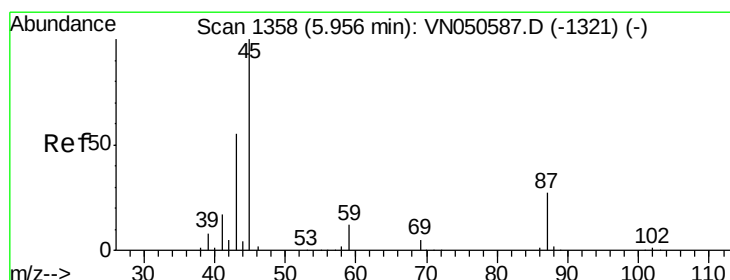
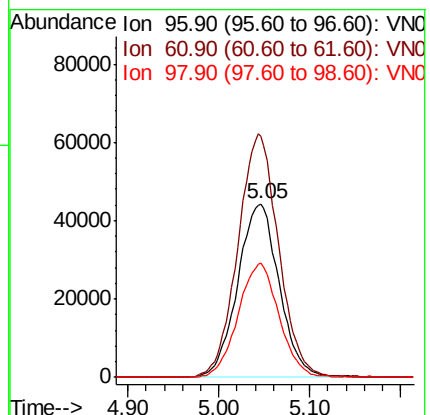
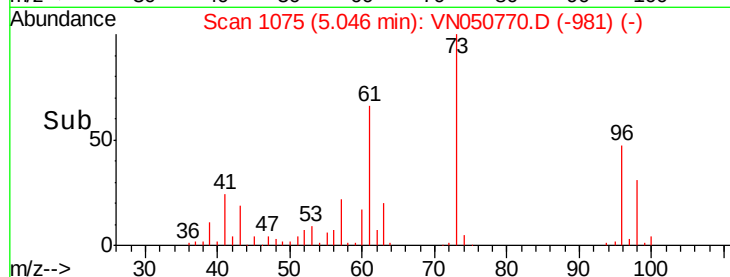
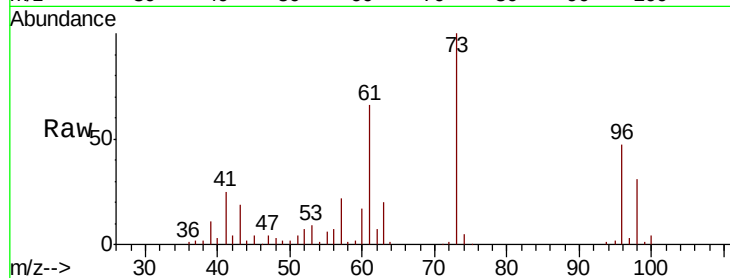
Tot Ion: 96 Resp: 140169

Ion Ratio Lower Upper

96 100

61 138.8 111.2 166.8

98 66.0 51.6 77.4



#22

Diisopropyl ether

Concen: 19.65 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion: 45 Resp: 450185

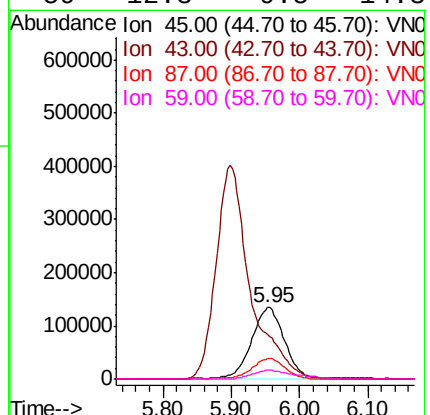
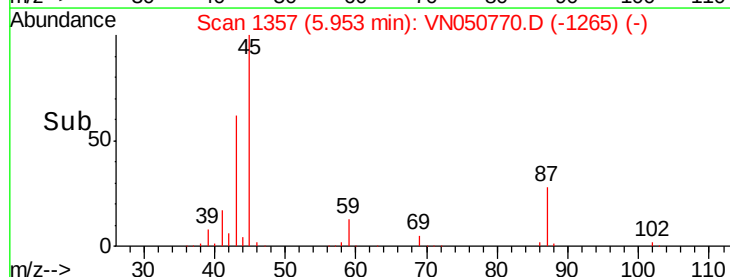
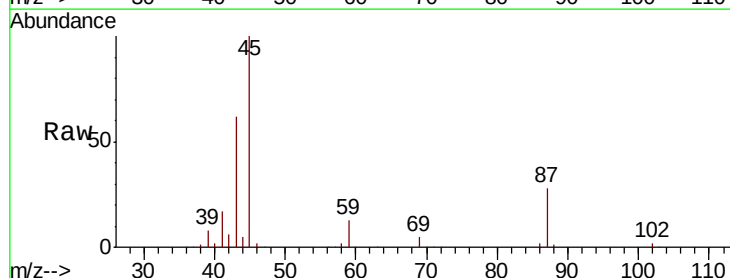
Ion Ratio Lower Upper

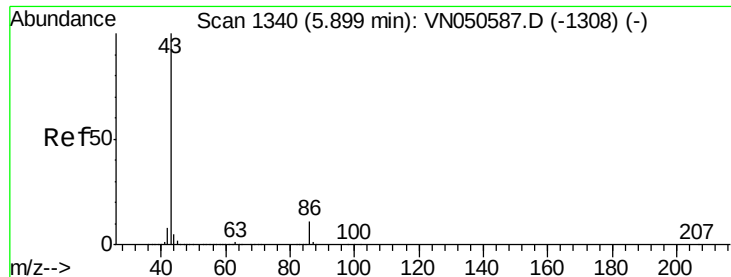
45 100

43 60.7 44.5 66.7

87 28.4 22.2 33.2

59 12.3 9.5 14.3





#23

Vinyl Acetate

Concen: 93.46 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

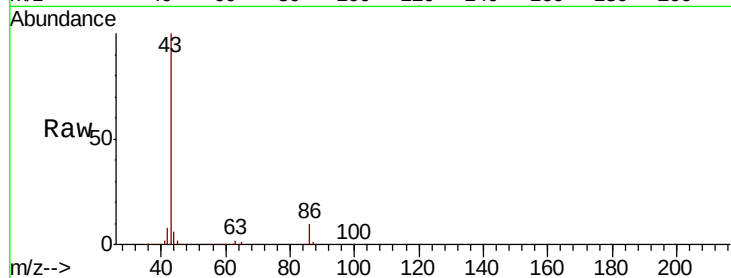
VN0820WBS02

Tot Ion: 43 Resp: 1400527

Ion Ratio Lower Upper

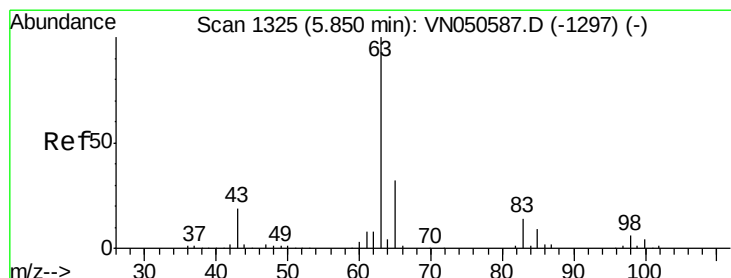
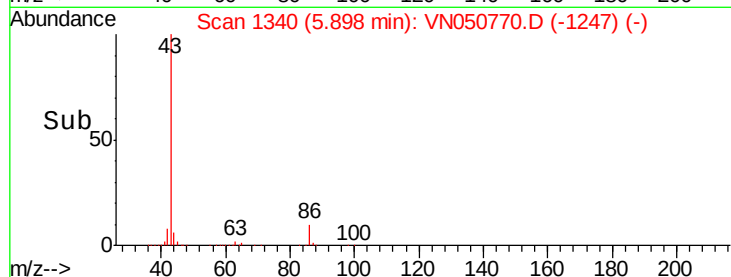
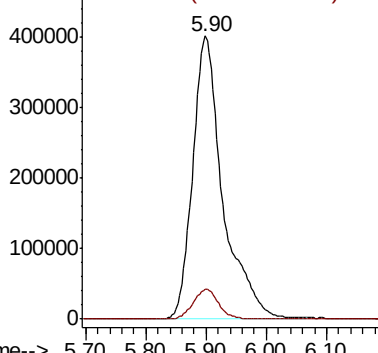
43 100

86 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

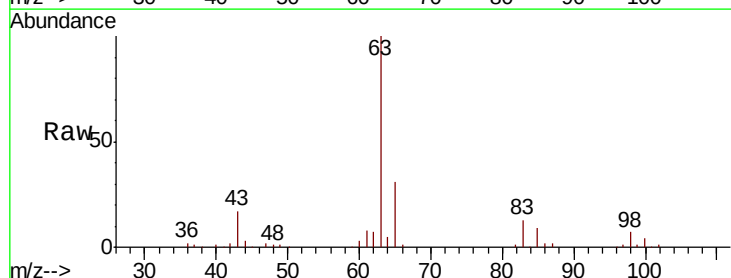
Tgt Ion: 63 Resp: 271760

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

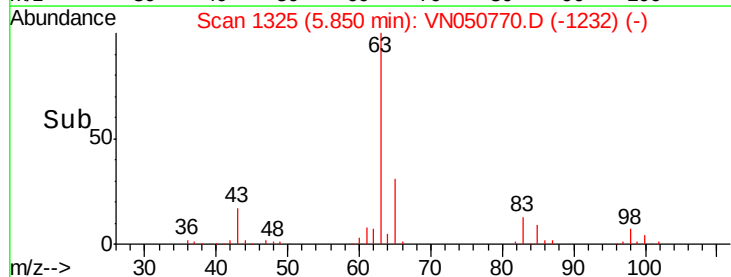
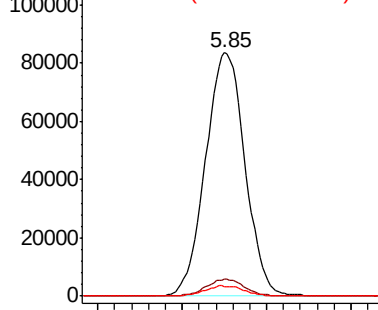
100 4.1 2.1 6.5

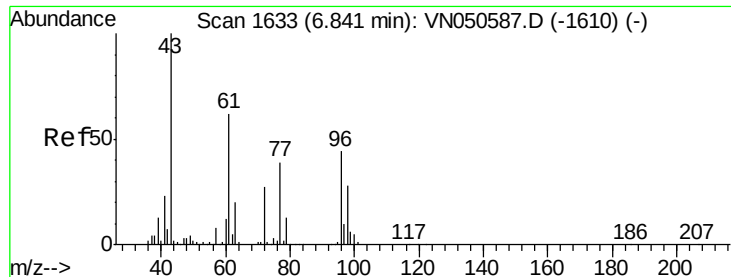


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.42 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

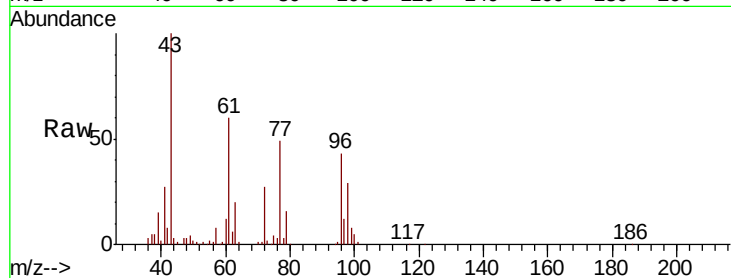
VN0820WBS02

Tot Ion: 43 Resp: 326453

Ion Ratio Lower Upper

43 100

72 27.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

120000

100000

80000

60000

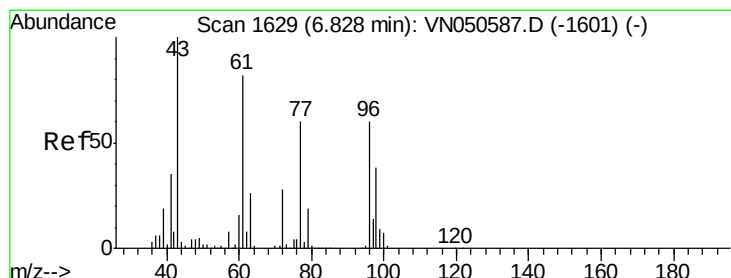
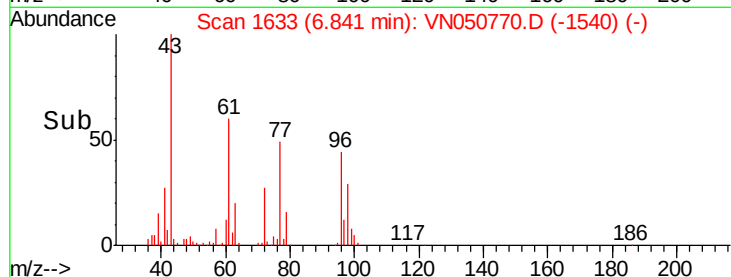
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 22.03 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050770.D

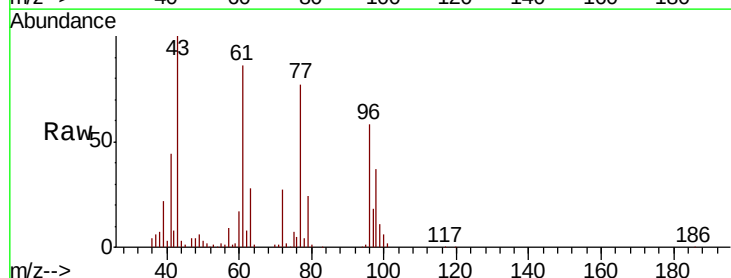
Acq: 20 Aug 2018 13:32

Tgt Ion: 77 Resp: 218575

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

80000

60000

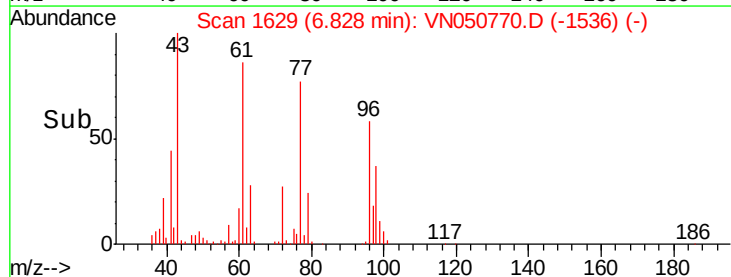
40000

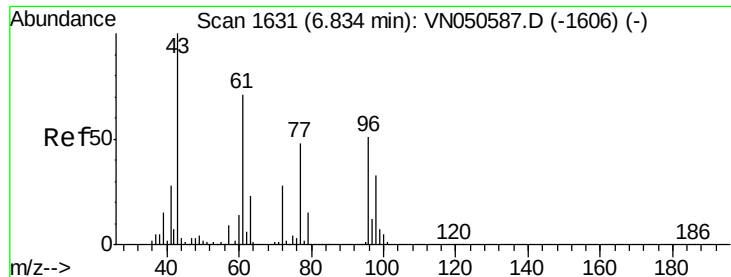
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.46 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

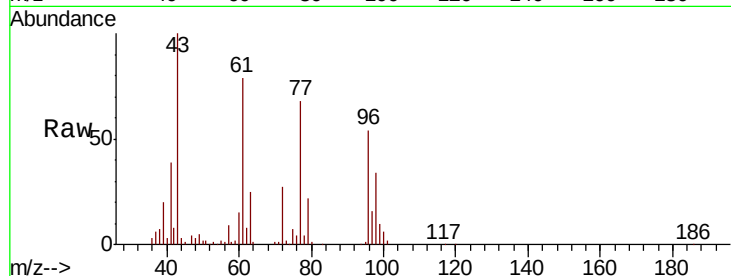
Tot Ion: 96 Resp: 160082

Ion Ratio Lower Upper

96 100

61 142.6 0.0 278.2

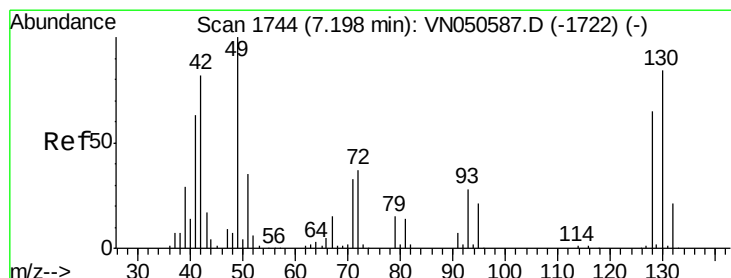
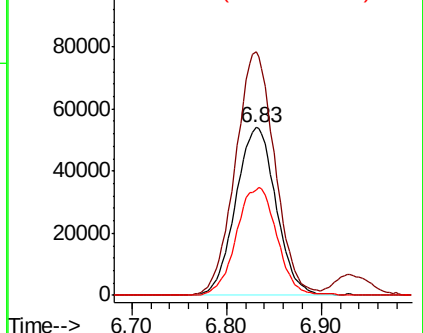
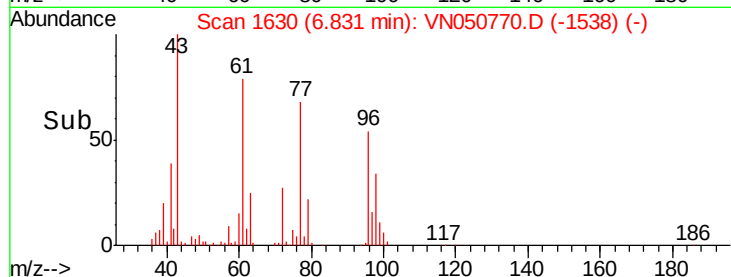
98 64.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.43 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

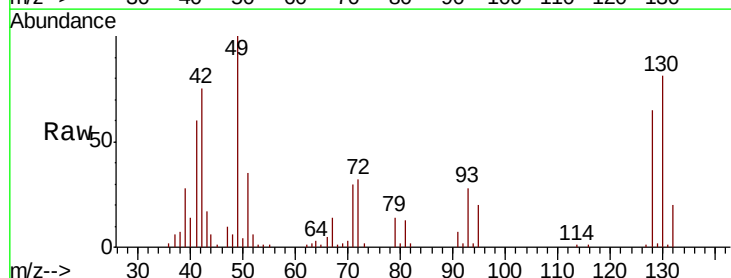
Tgt Ion: 49 Resp: 131049

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

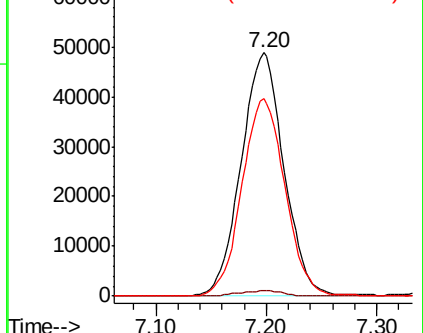
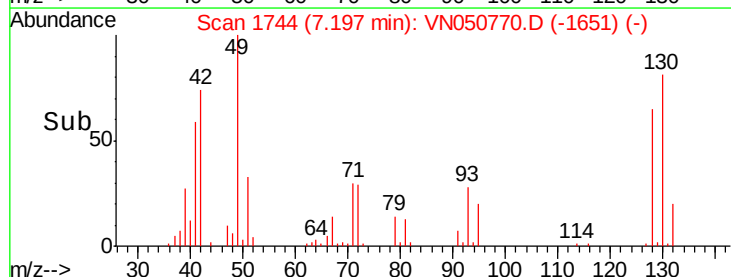
130 82.0 66.8 100.2

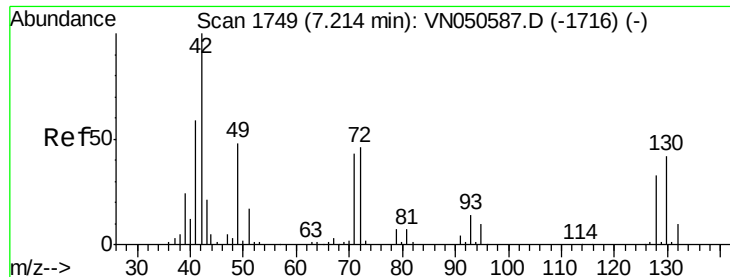


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.21 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

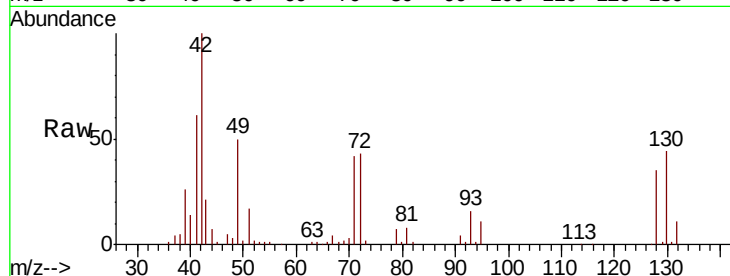
Tot Ion: 42 Resp: 168294

Ion Ratio Lower Upper

42 100

72 44.1 35.8 53.6

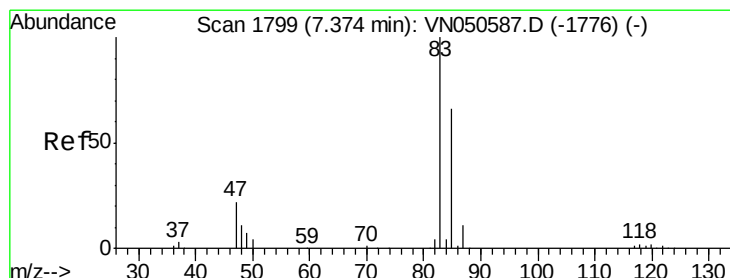
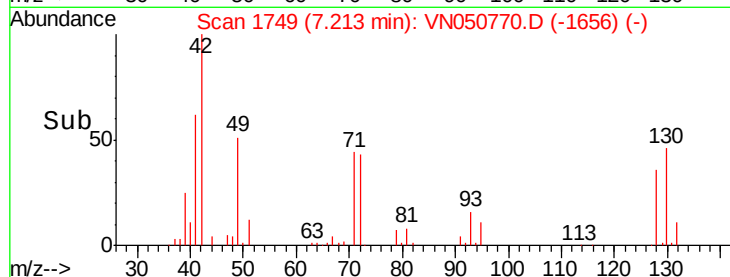
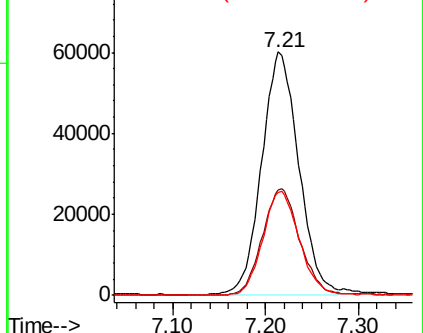
71 42.0 33.4 50.0



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: 18.16 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050770.D

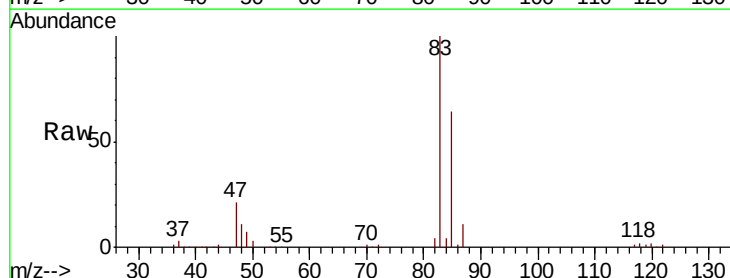
Acq: 20 Aug 2018 13:32

Tgt Ion: 83 Resp: 272710

Ion Ratio Lower Upper

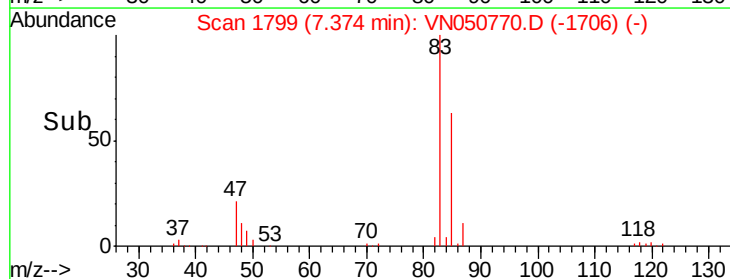
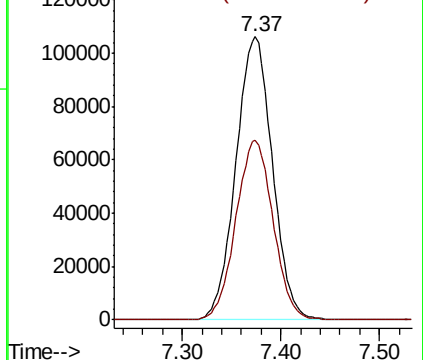
83 100

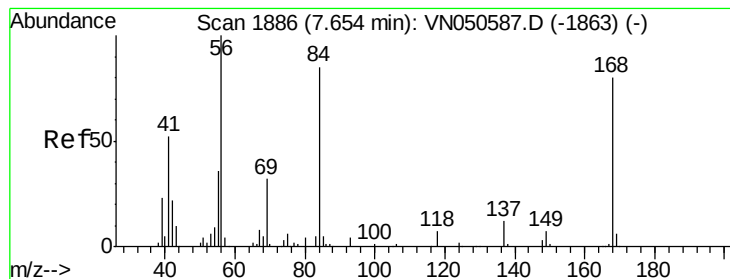
85 63.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.46 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

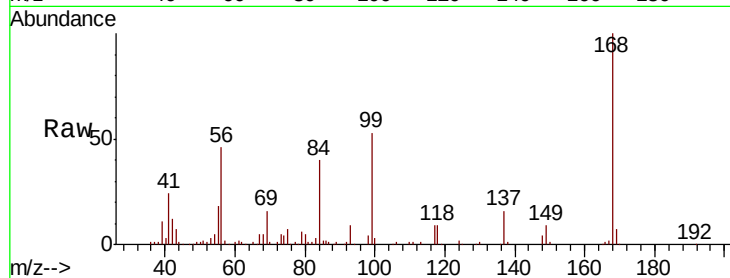
Tot Ion: 56 Resp: 236301

Ion Ratio Lower Upper

56 100

69 35.6 25.8 38.6

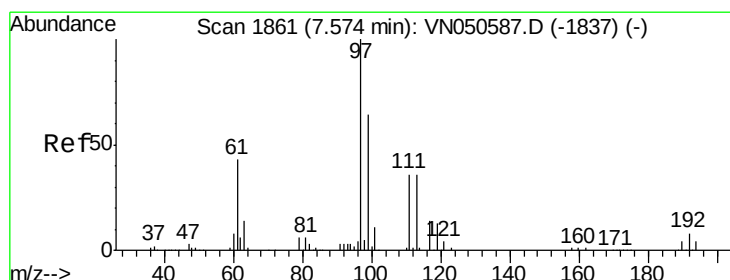
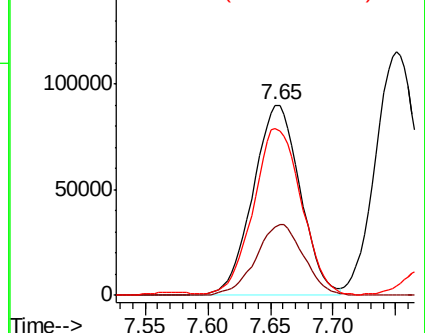
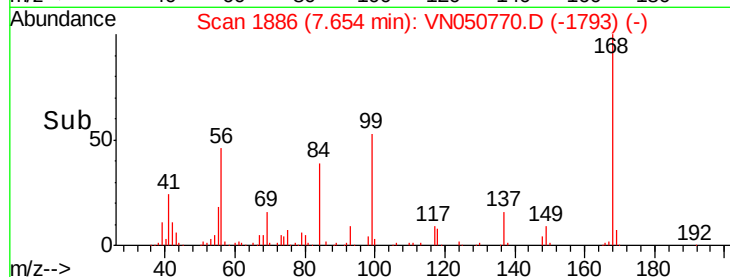
84 86.6 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.42 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

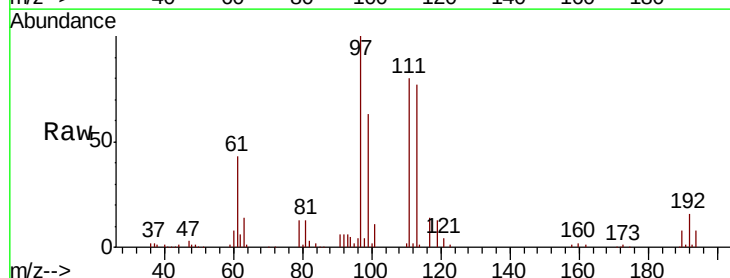
Tgt Ion: 97 Resp: 232948

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

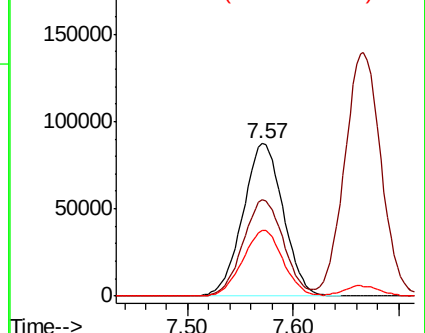
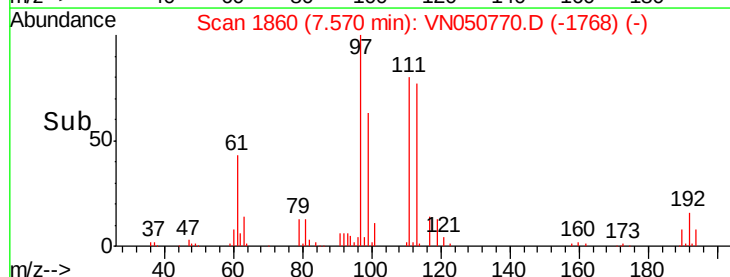
61 42.9 34.8 52.2

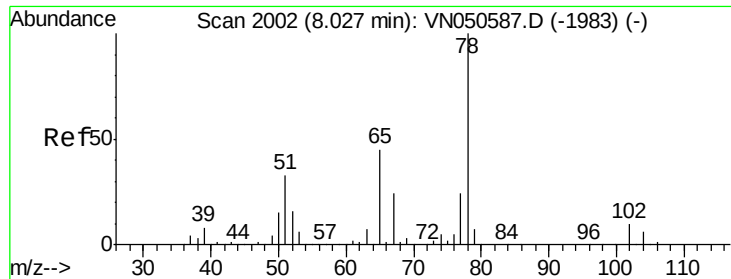


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

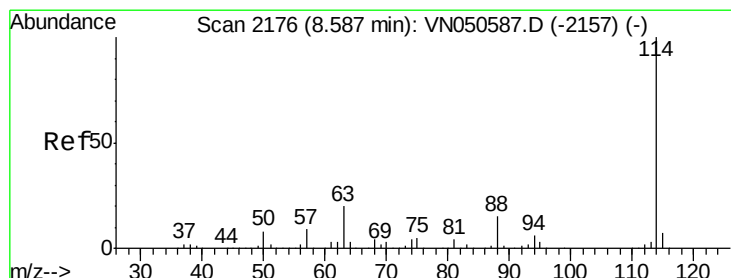
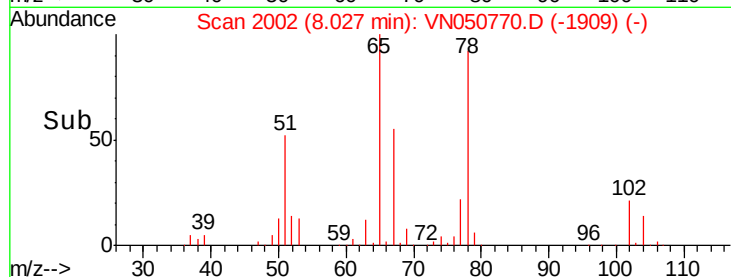
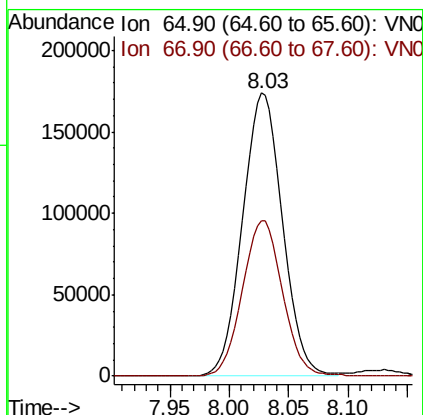
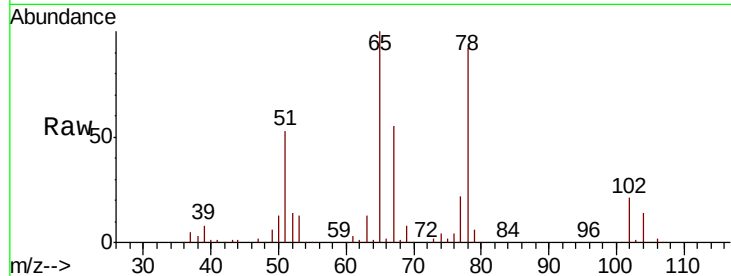




#33
 1,2-Dichloroethane-d4
 Concen: 48.50 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

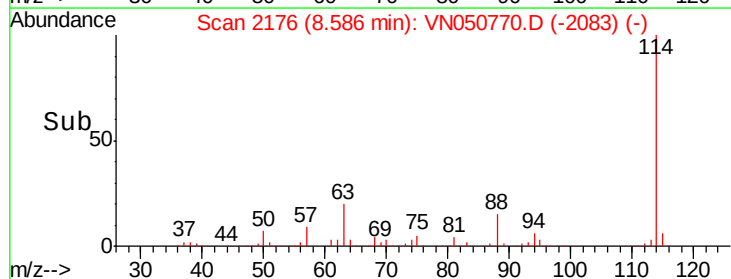
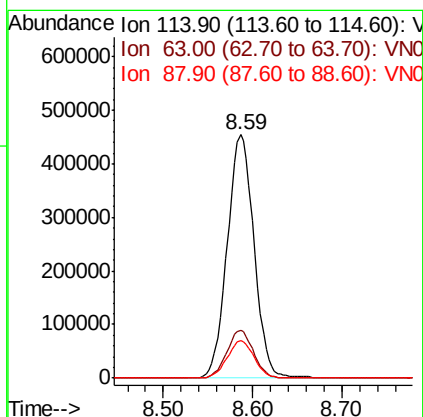
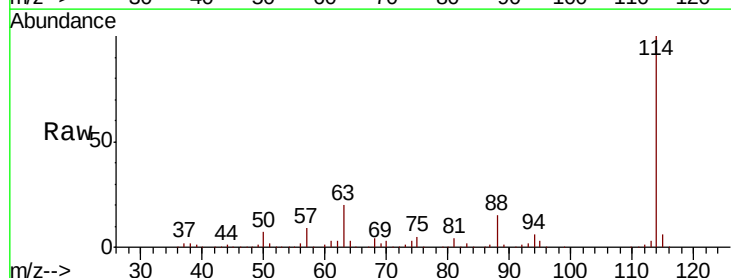
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

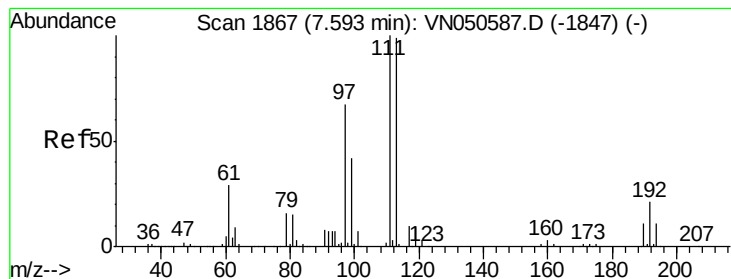
Tot Ion: 65 Resp: 404670
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion: 114 Resp: 945610
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.61 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

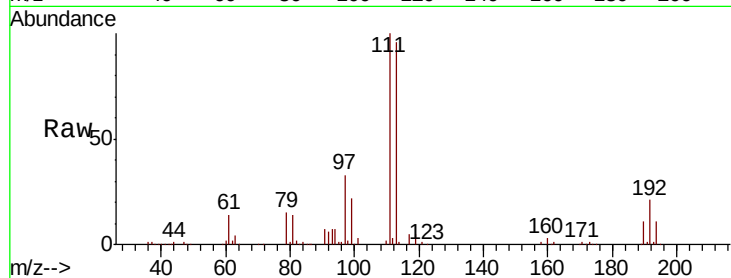
Tot Ion:113 Resp: 382067

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.6

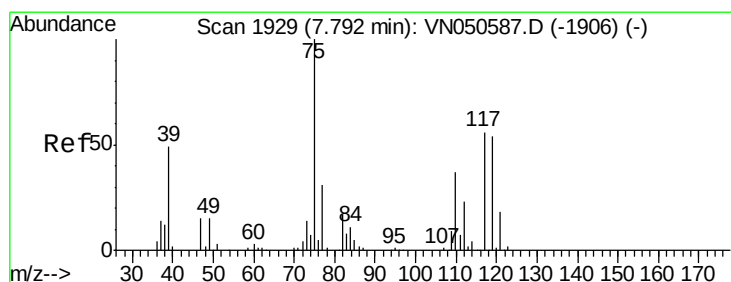
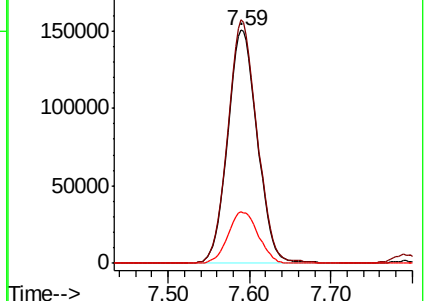
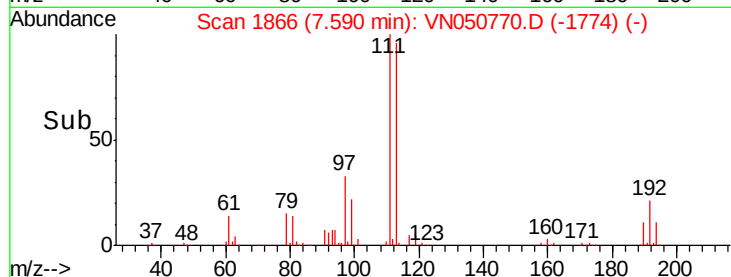
192 22.5 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.25 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

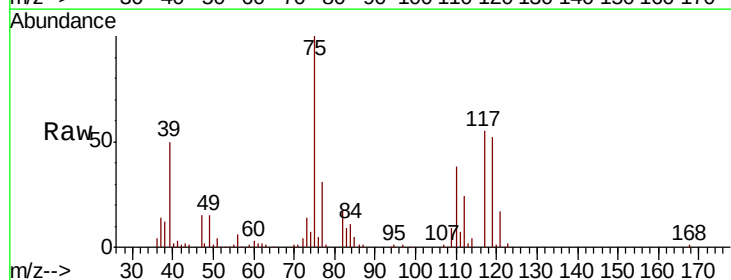
Tgt Ion: 75 Resp: 202637

Ion Ratio Lower Upper

75 100

110 36.4 18.3 54.9

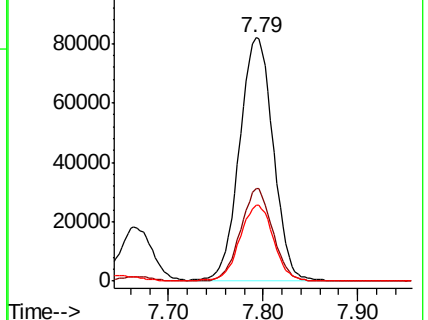
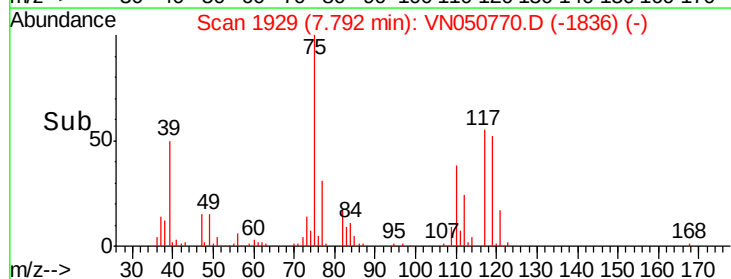
77 31.4 25.0 37.4

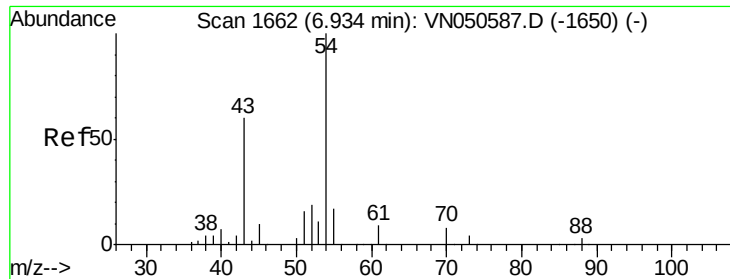


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

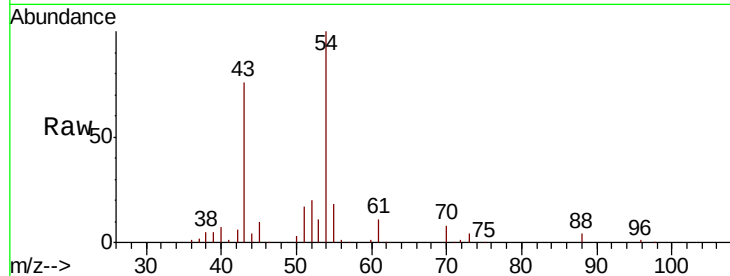




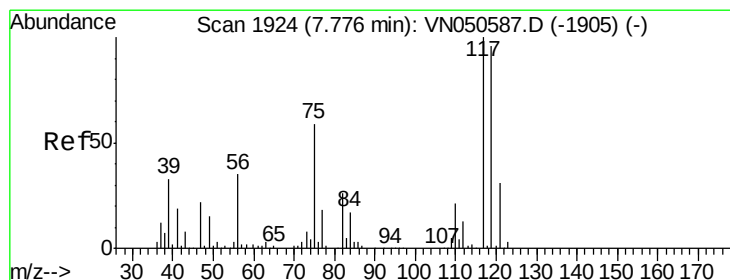
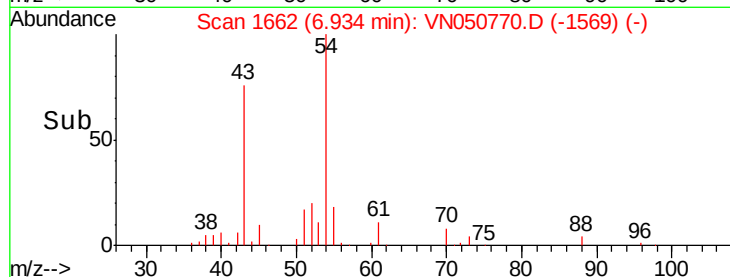
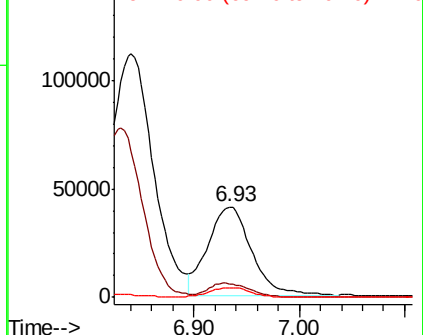
#37
Ethyl Acetate
Concen: 19.99 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion: 43 Resp: 118963
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 10.5 8.5 12.7

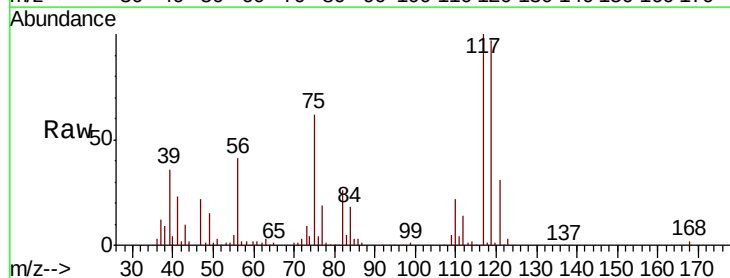


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

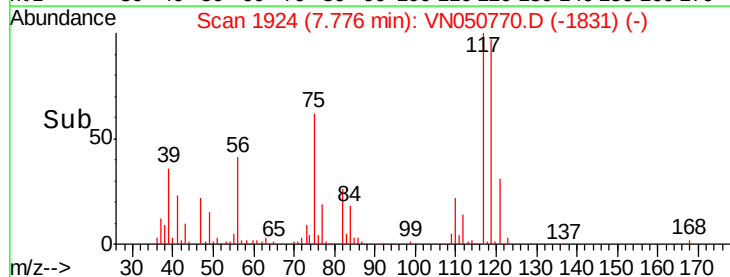
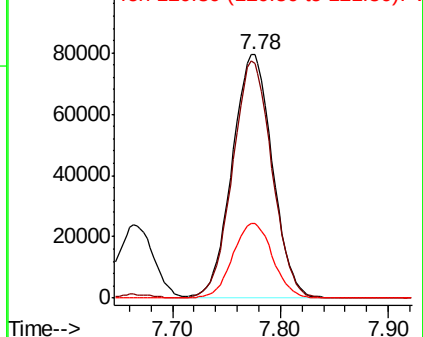


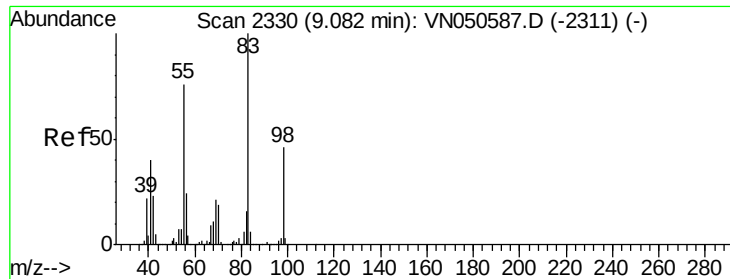
#38
Carbon Tetrachloride
Concen: 18.84 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 117 Resp: 205756
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 30.5 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

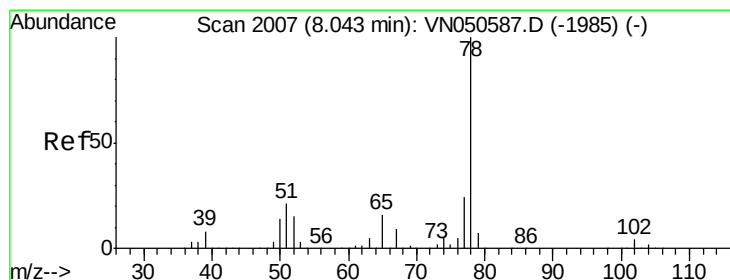
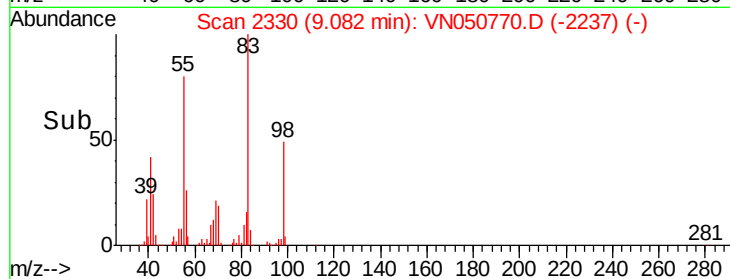
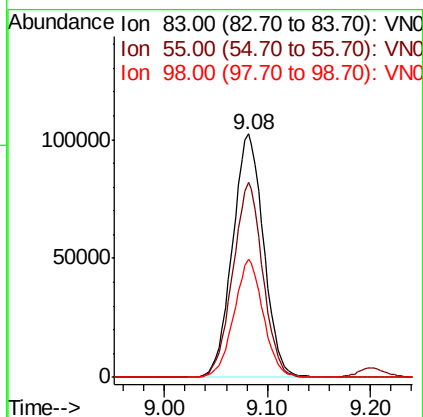
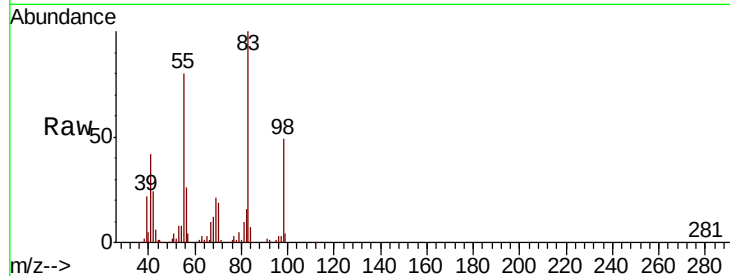




#39
Methylvlcyclohexane
Concen: 19.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

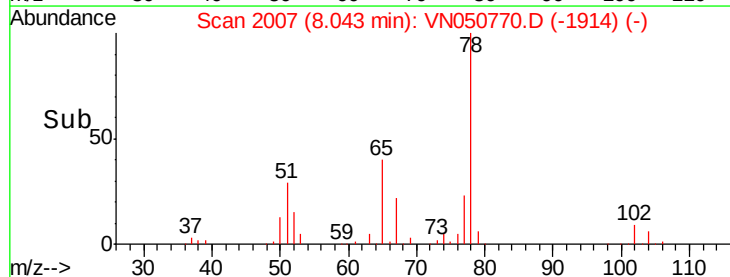
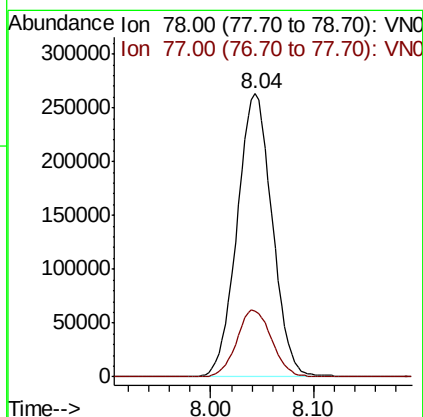
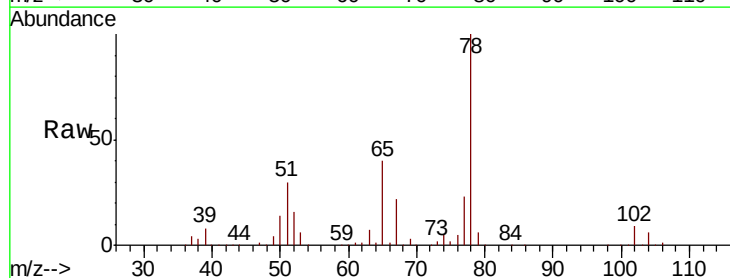
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

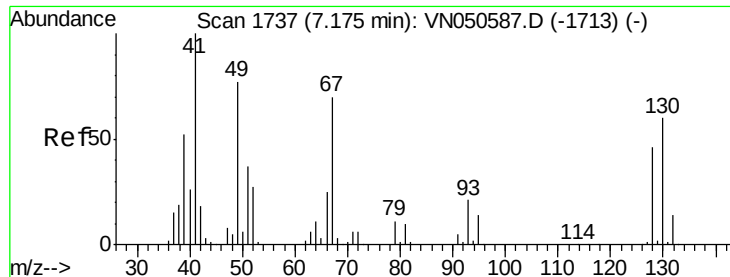
Tot Ion: 83 Resp: 214404
Ion Ratio Lower Upper
83 100
55 79.9 60.6 91.0
98 48.7 37.0 55.4



#40
Benzene
Concen: 19.43 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 78 Resp: 622100
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

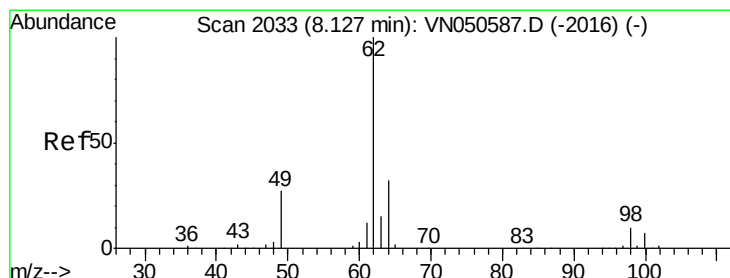
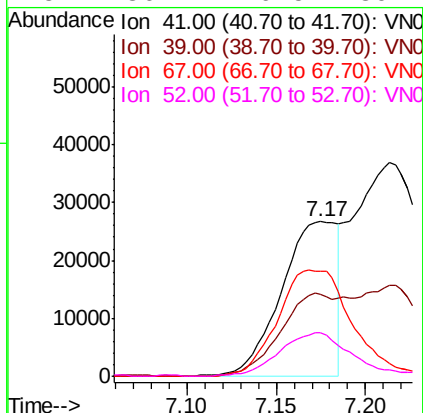
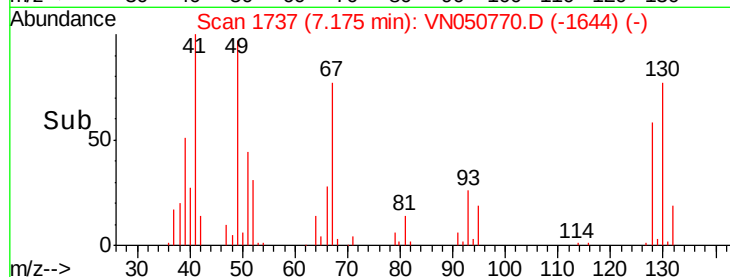
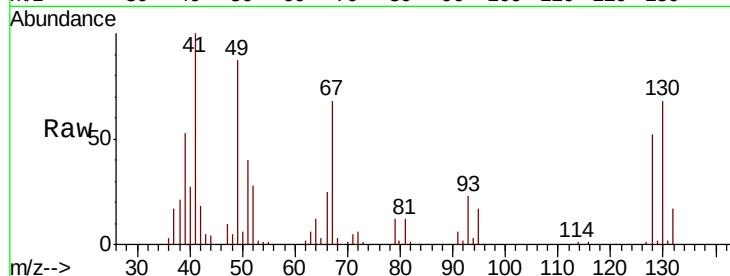




#41
Methacrylonitrile
Concen: 18.12 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

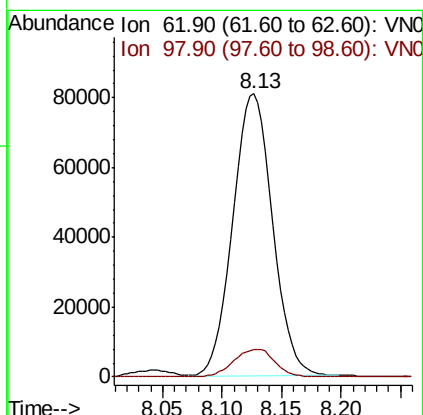
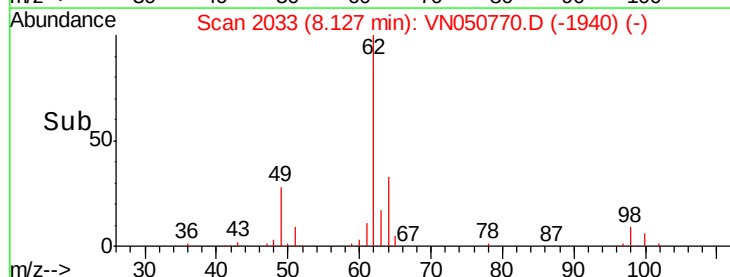
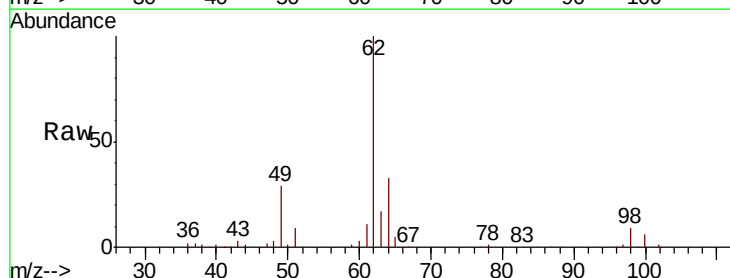
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

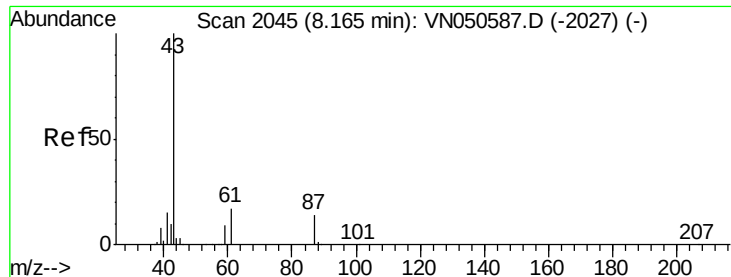
Tot Ion: 41 Resp: 58291
Ion Ratio Lower Upper
41 100
39 48.7 44.6 66.8
67 91.4 66.7 100.1
52 36.4 26.5 39.7



#42
1,2-Dichloroethane
Concen: 19.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 62 Resp: 187615
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.4



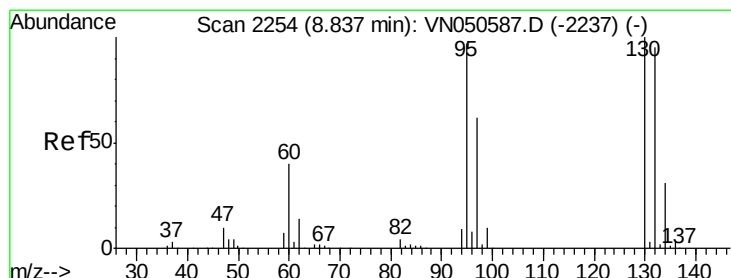
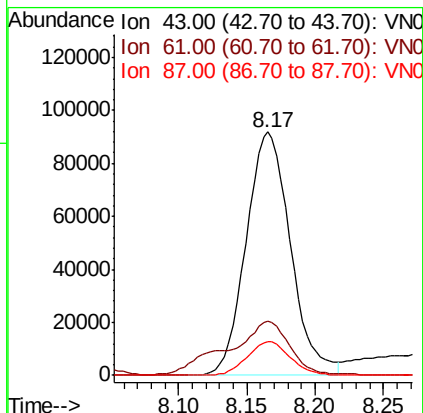
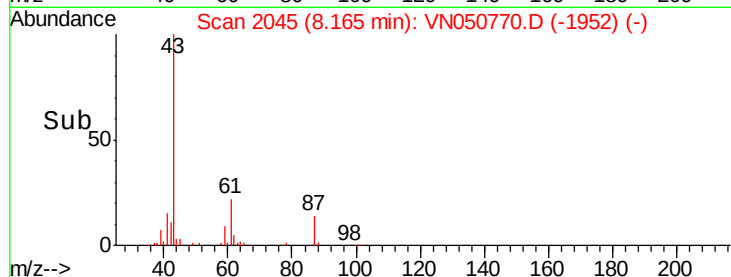
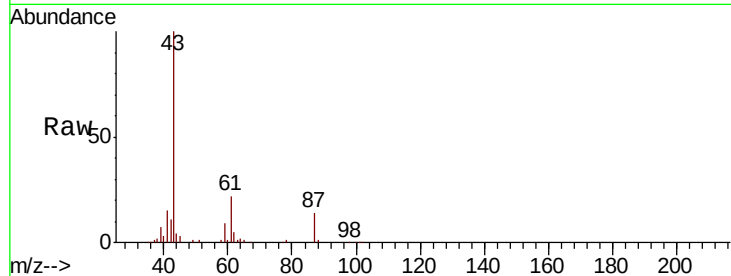


#43

Isopropyl Acetate
 Concen: 19.07 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

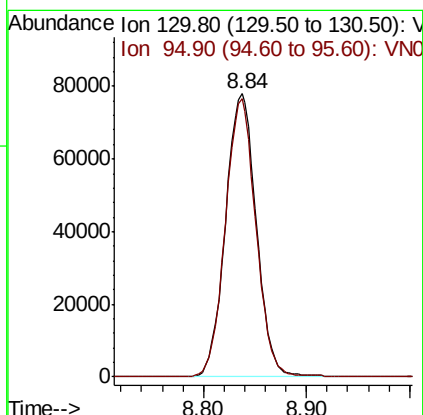
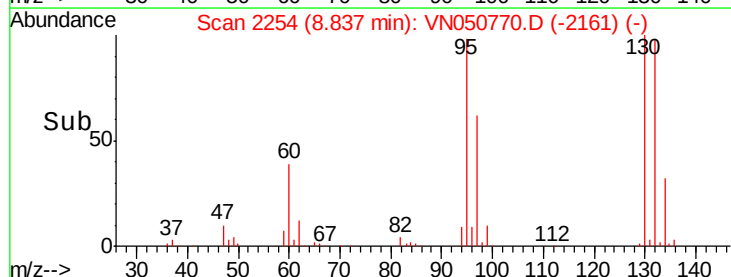
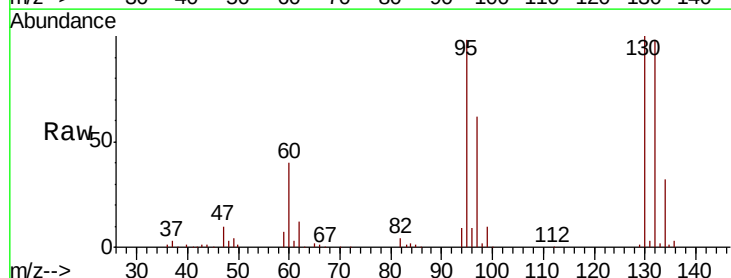
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	16.2	24.2#
87	13.4	10.9	16.3

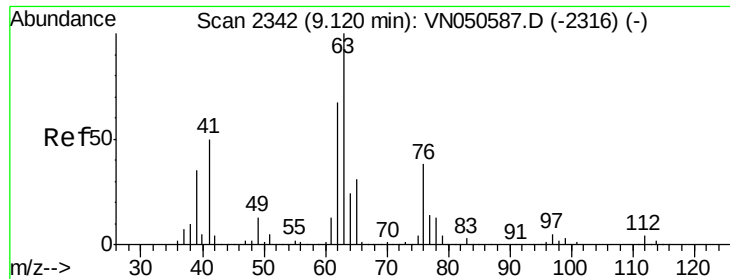


#44

Trichloroethene
 Concen: 18.93 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	193.8

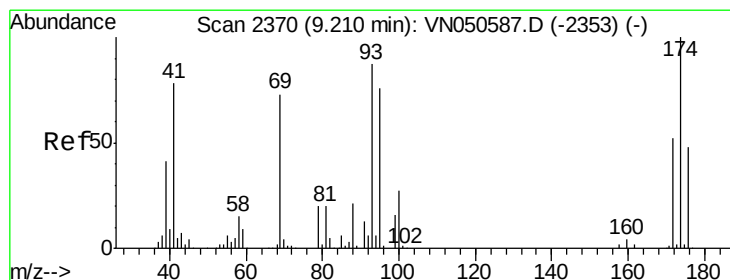
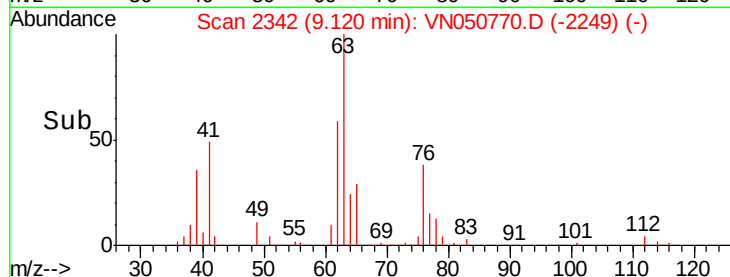
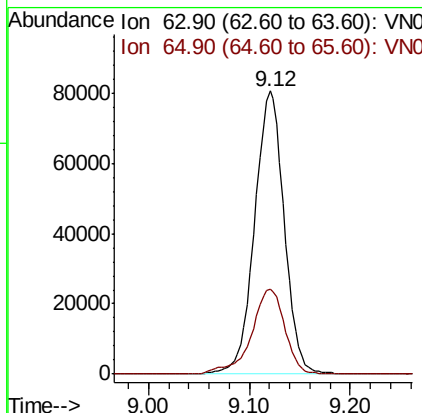
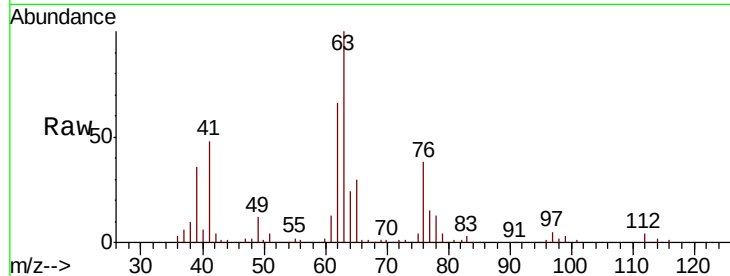




#45
 1,2-Dichloropropane
 Concen: 19.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

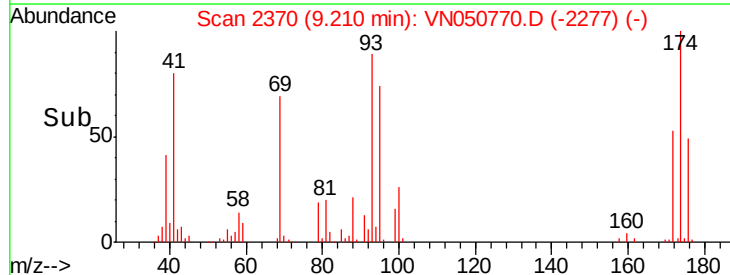
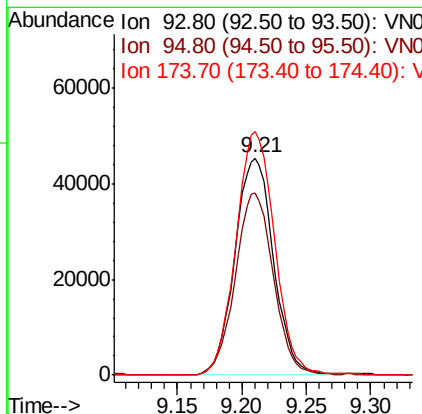
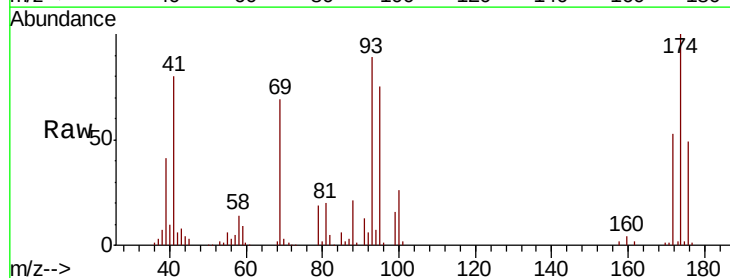
Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBS02

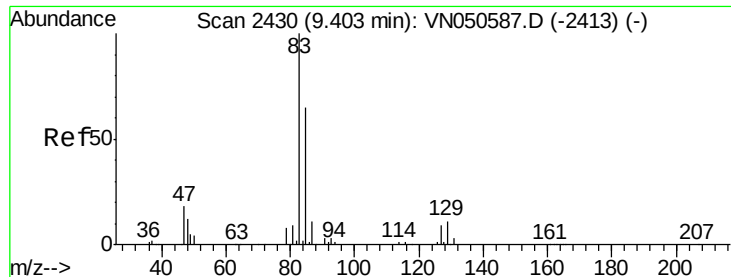
Tot Ion: 63 Resp: 163620
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.5 36.7



#46
 Dibromomethane
 Concen: 18.80 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion: 93 Resp: 94624
 Ion Ratio Lower Upper
 93 100
 95 82.5 69.1 103.7
 174 112.0 91.0 136.6

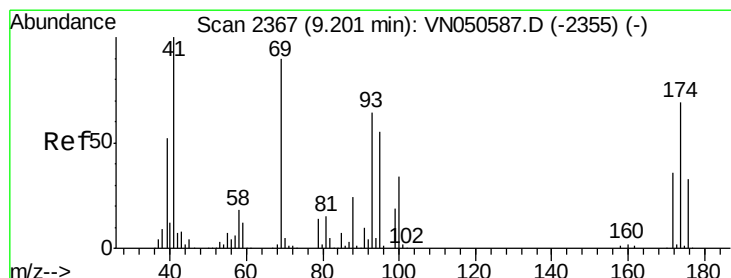
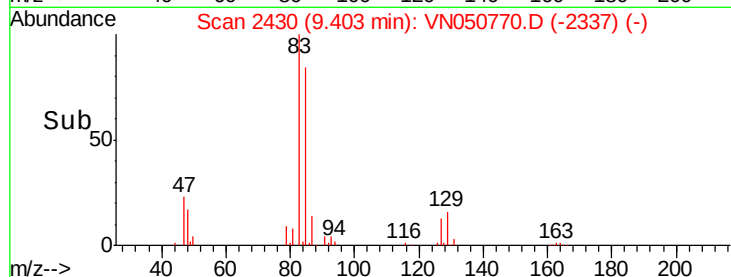
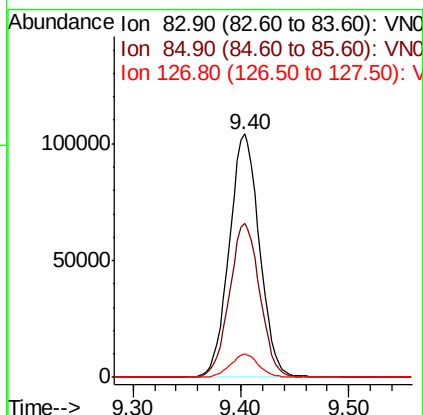
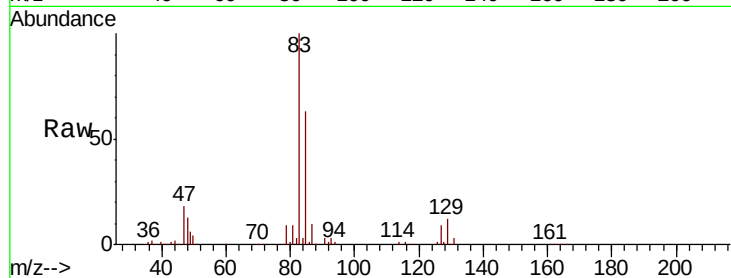




#47
Bromodichloromethane
Concen: 18.95 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

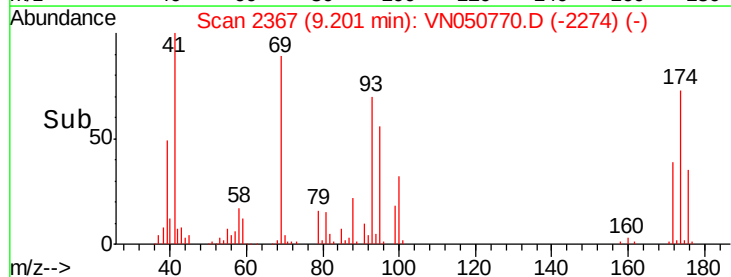
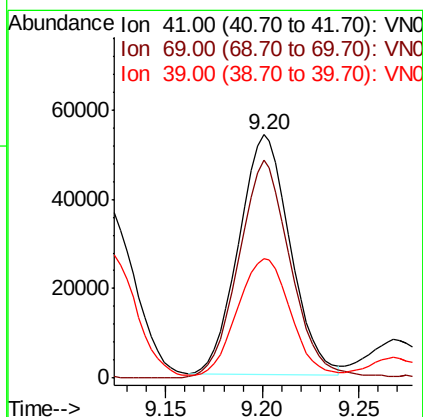
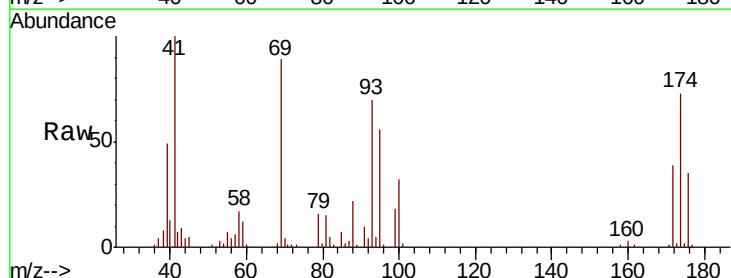
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

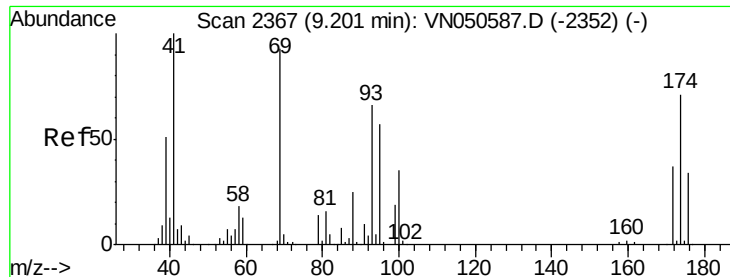
Tot Ion: 83 Resp: 203906
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6
127 9.5 7.2 10.8



#48
Methyl methacrylate
Concen: 18.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 41 Resp: 98796
Ion Ratio Lower Upper
41 100
69 92.6 73.4 110.0
39 52.2 43.0 64.6





#49

1,4-Dioxane

Concen: 366.14 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

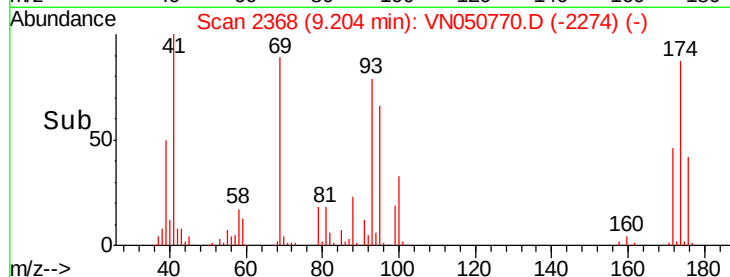
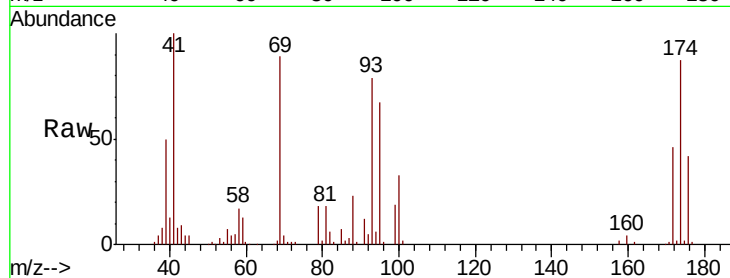
Tot Ion: 88 Resp: 26318

Ion Ratio Lower Upper

88 100

43 34.0 25.9 38.9

58 72.0 56.5 84.7

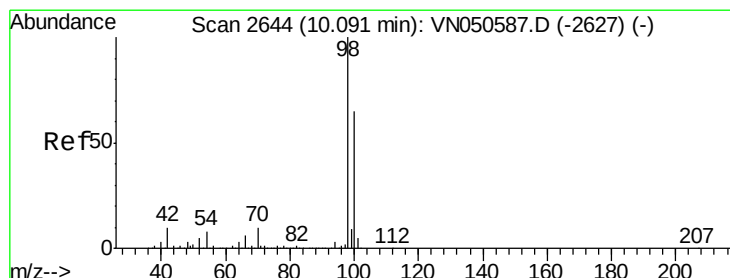
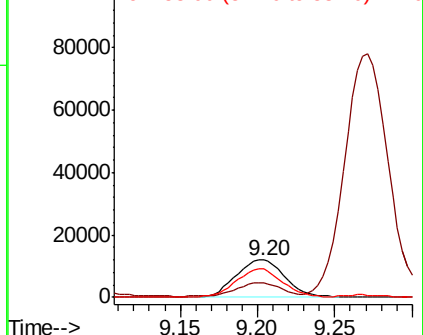


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.77 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050770.D

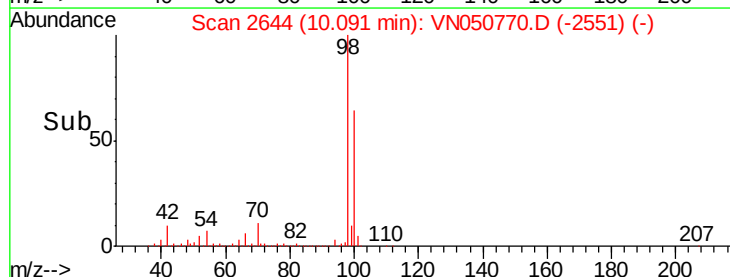
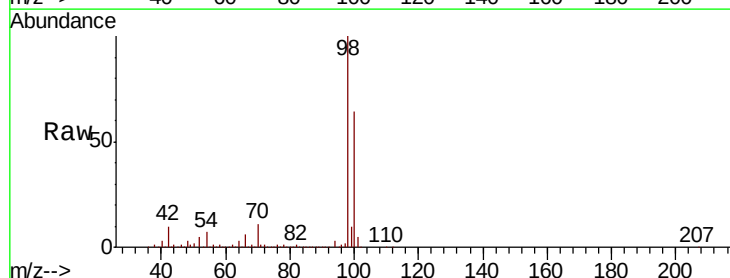
Acq: 20 Aug 2018 13:32

Tgt Ion: 98 Resp: 1442641

Ion Ratio Lower Upper

98 100

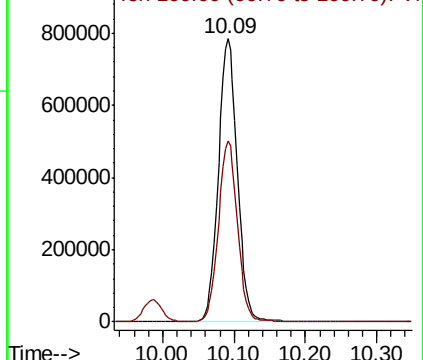
100 64.2 51.8 77.8

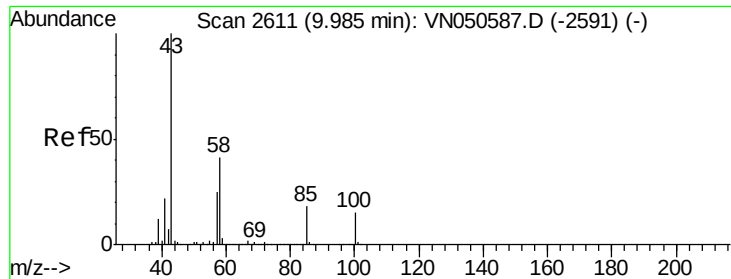


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

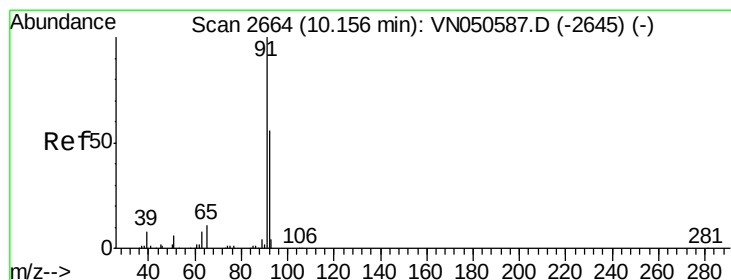
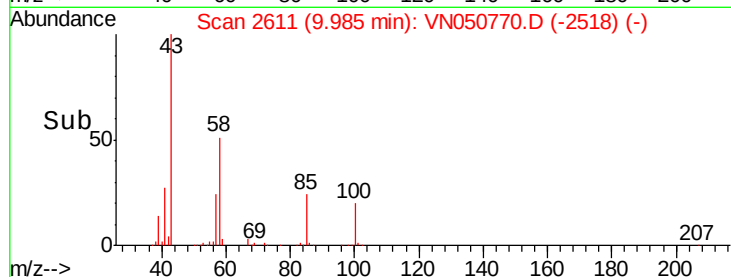
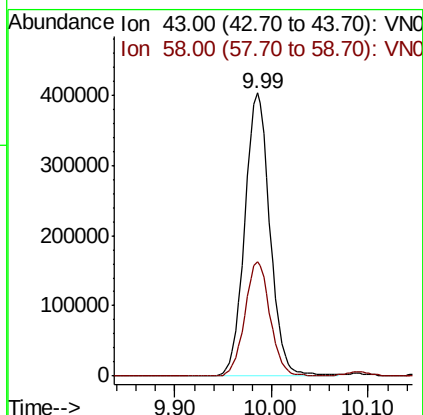
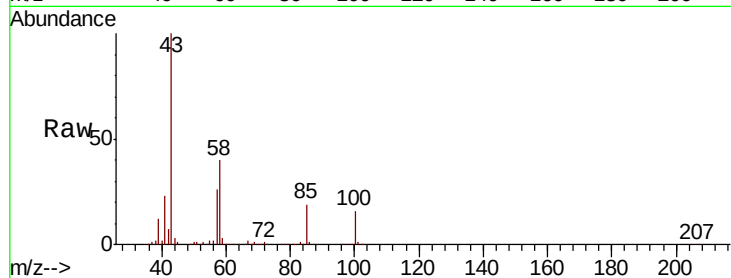




#51
4-Methyl-2-Pentanone
Concen: 99.13 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

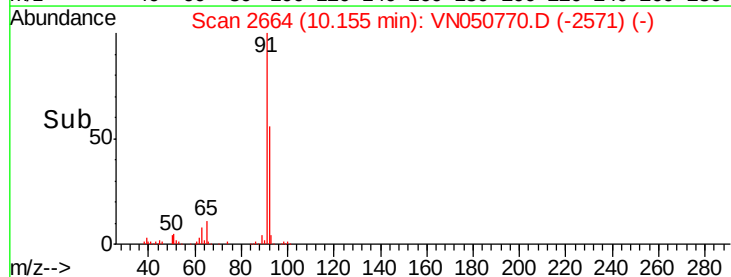
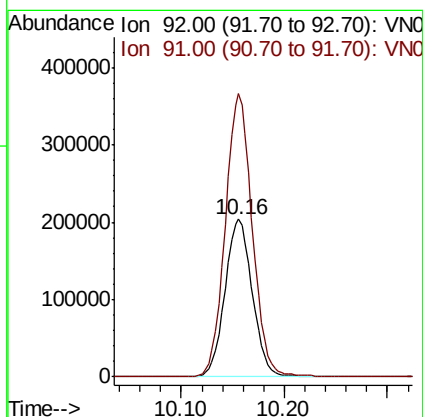
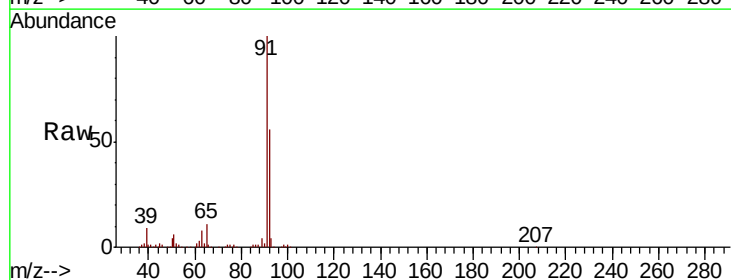
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

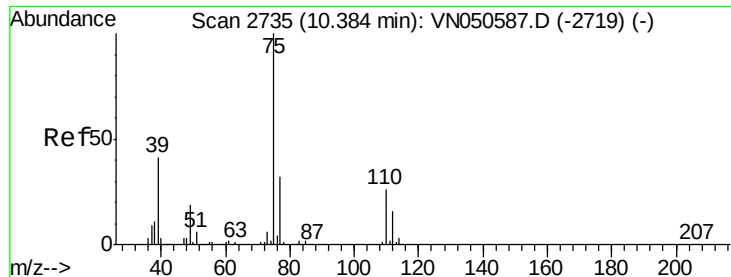
Tot Ion: 43 Resp: 727005
Ion Ratio Lower Upper
43 100
58 40.5 32.5 48.7



#52
Toluene
Concen: 19.72 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 92 Resp: 377058
Ion Ratio Lower Upper
92 100
91 177.2 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 19.56 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

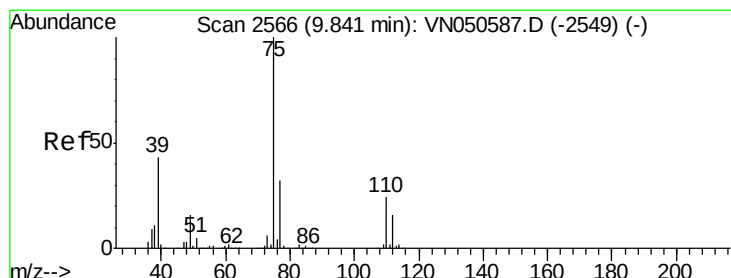
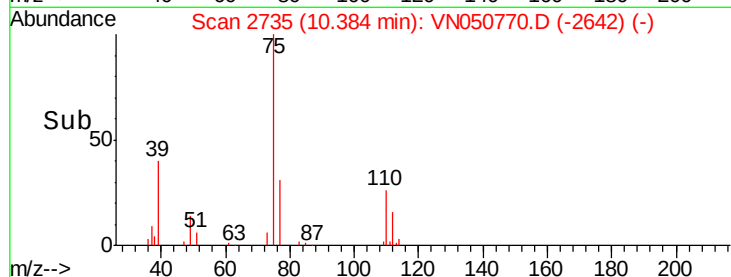
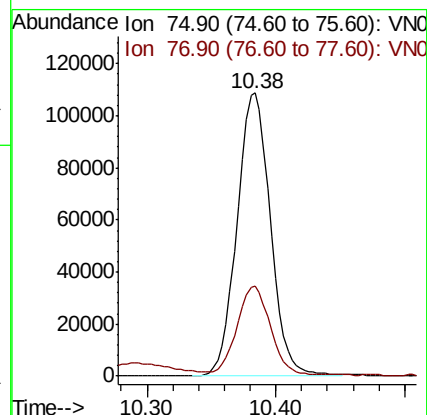
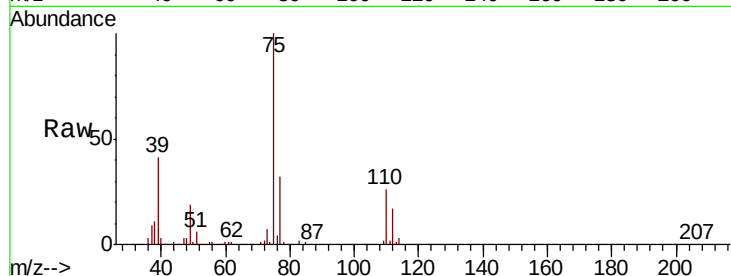
VN0820WBS02

Tot Ion: 75 Resp: 196077

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.27 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

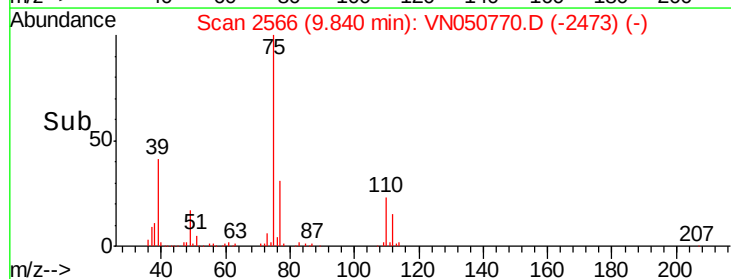
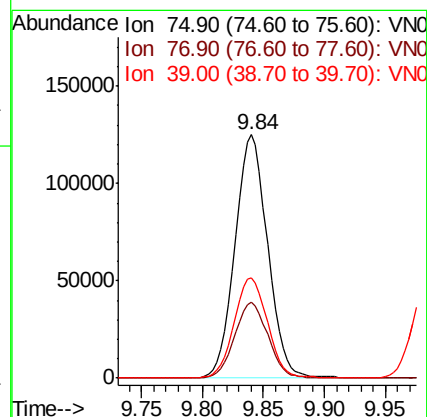
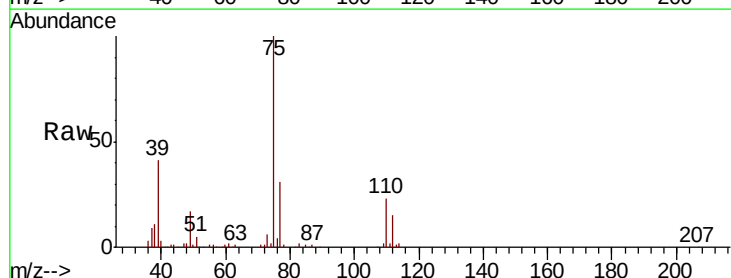
Tgt Ion: 75 Resp: 233104

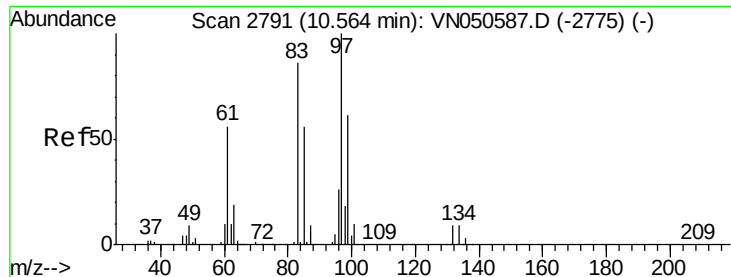
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 41.0 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 19.22 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 97 Resp: 137289

Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.5	102.7
85	55.4	44.6	66.8
99	61.6	49.1	73.7

Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

120000

100000

80000

60000

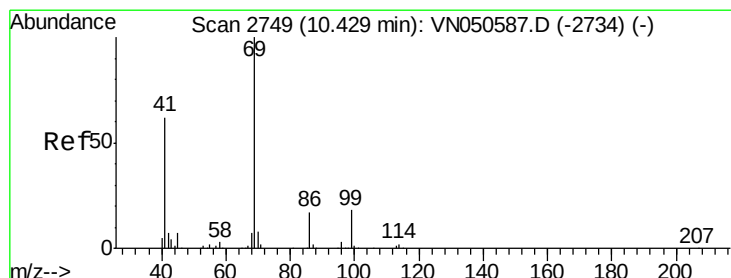
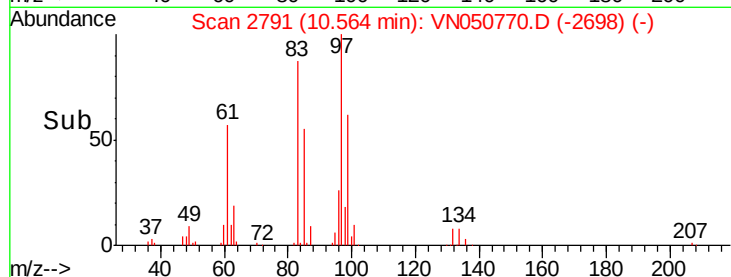
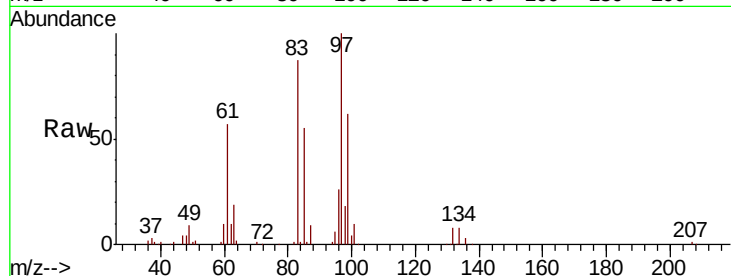
40000

20000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 18.56 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion: 69 Resp: 157801

Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	28.8	24.2	36.2

Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

120000

100000

80000

60000

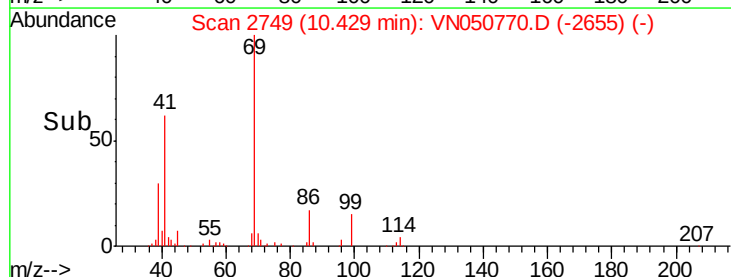
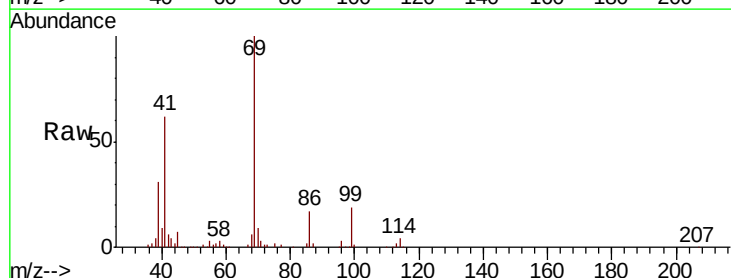
40000

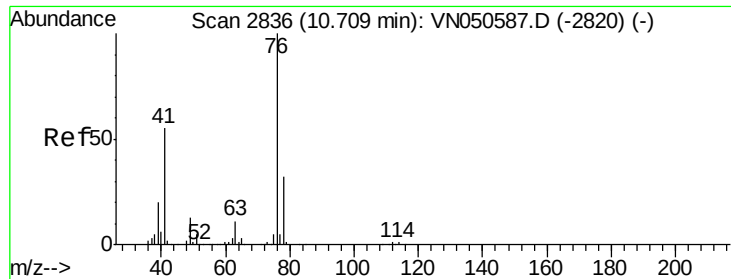
20000

0

10.40 10.45 10.50

Time-->

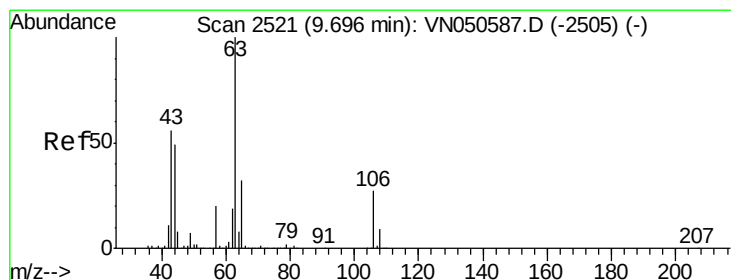
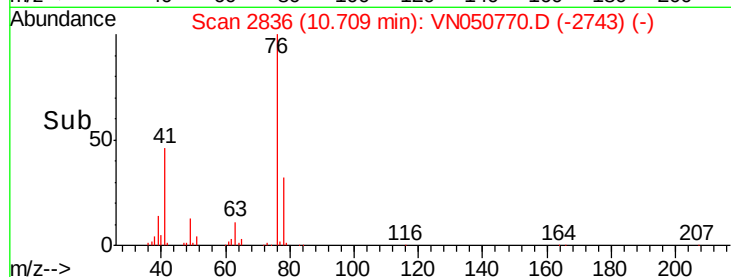
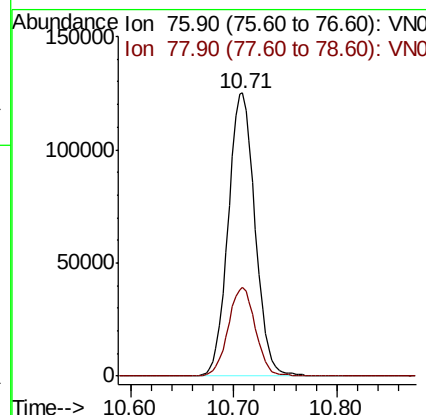
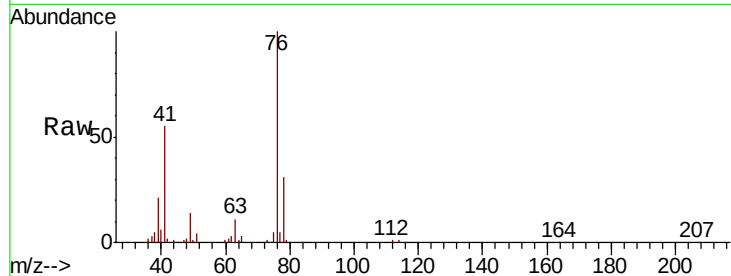




#57
 1,3-Dichloropropane
 Concen: 19.37 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

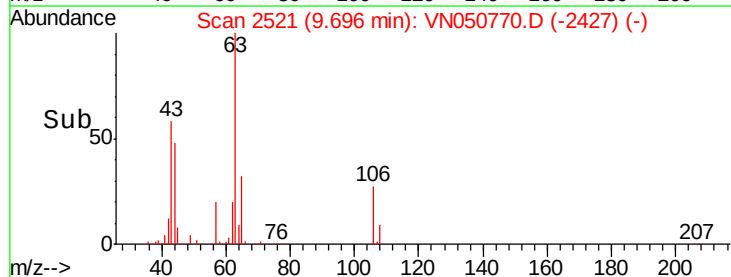
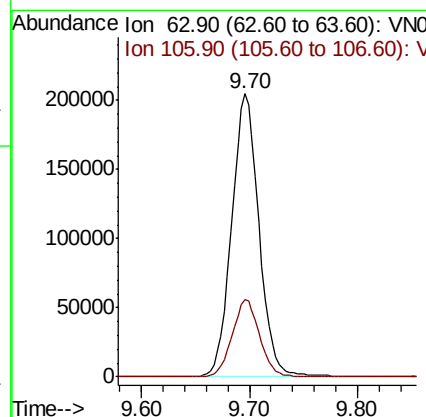
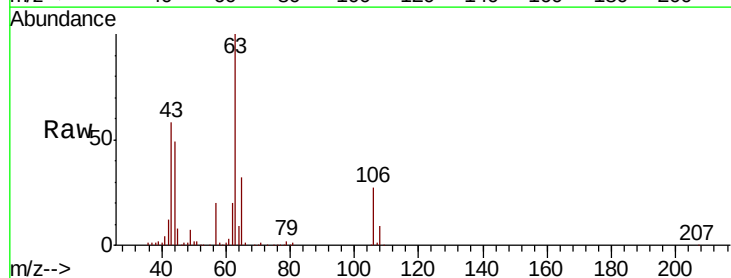
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

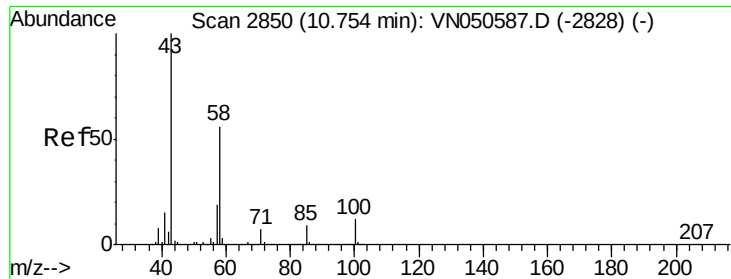
Tot Ion: 76 Resp: 226804
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.67 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion: 63 Resp: 360956
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.7 32.5

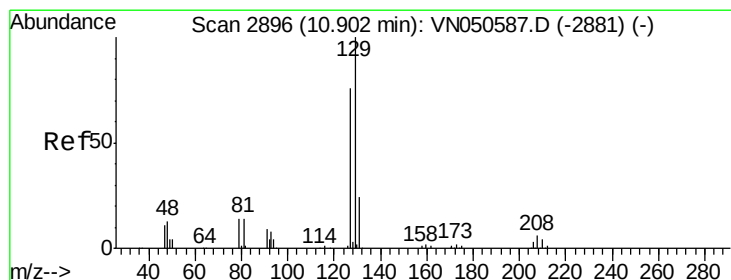
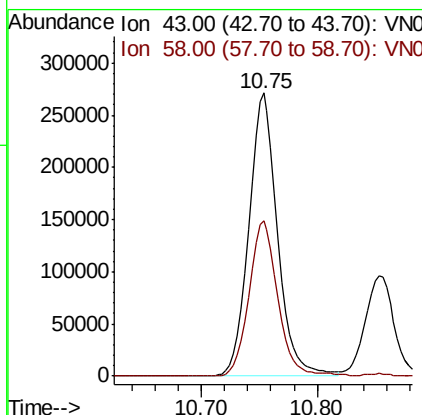
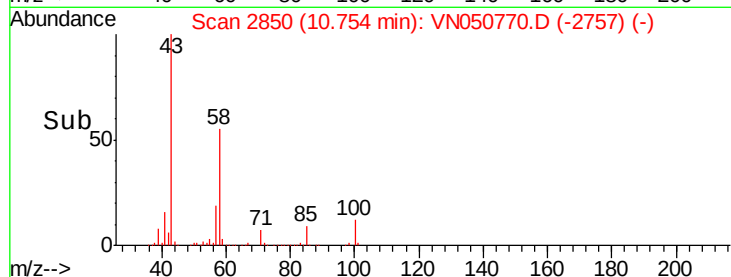
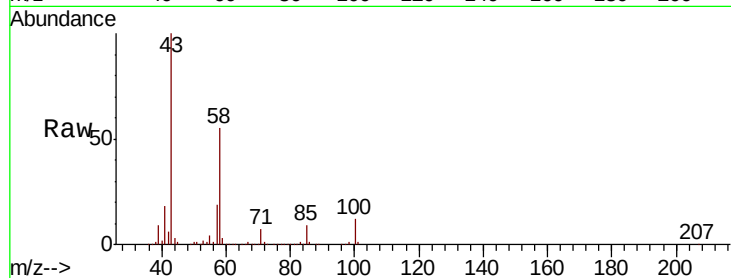




#59
2-Hexanone
Concen: 98.55 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

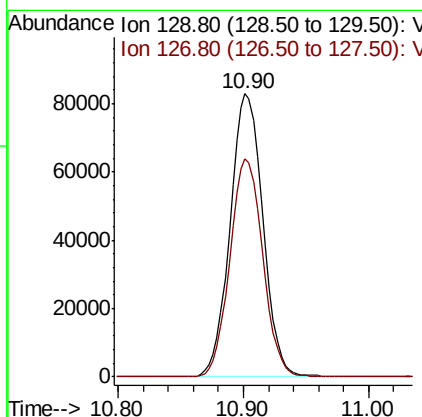
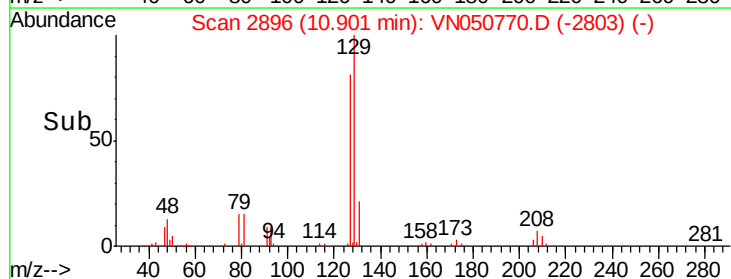
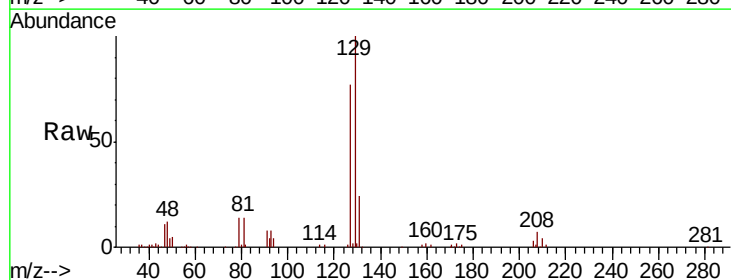
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

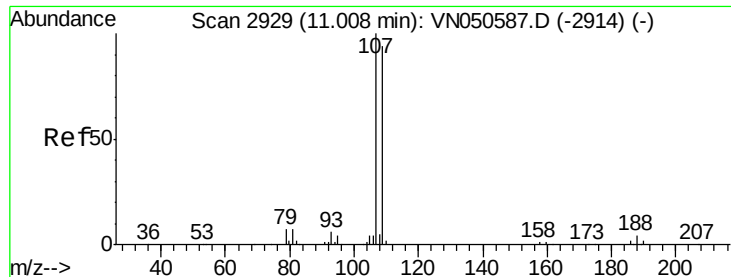
Tot Ion: 43 Resp: 466470
Ion Ratio Lower Upper
43 100
58 55.4 28.0 84.0



#60
Dibromochloromethane
Concen: 19.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 129 Resp: 151076
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7

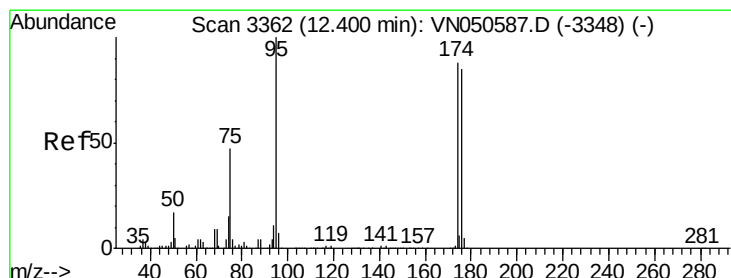
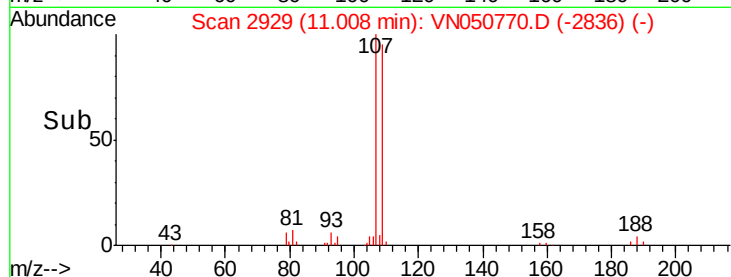
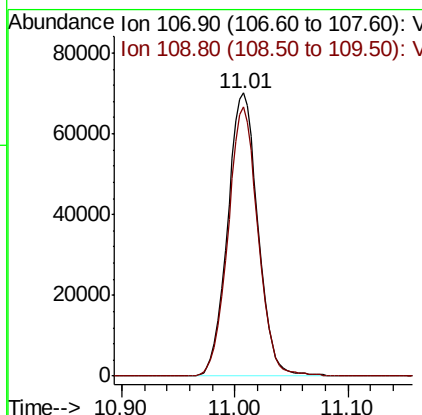
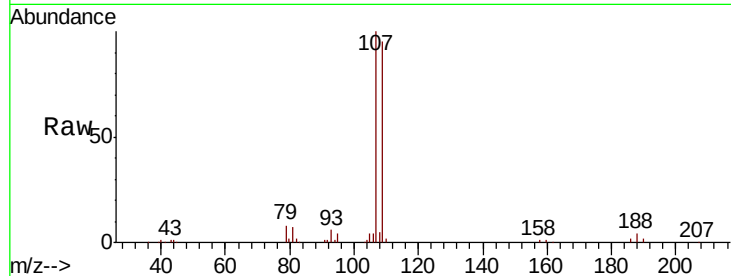




#61
 1,2-Dibromoethane
 Concen: 19.23 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

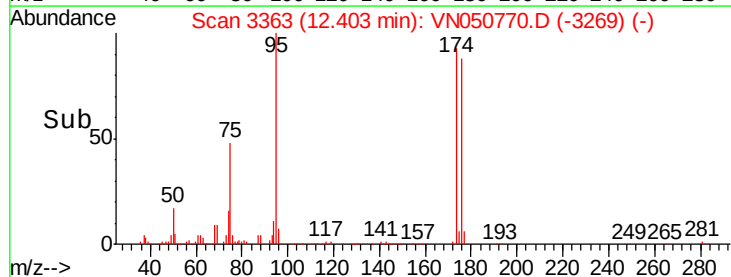
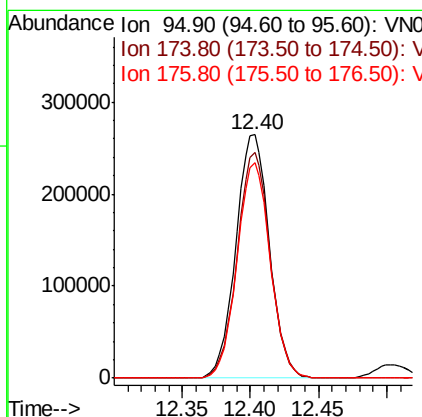
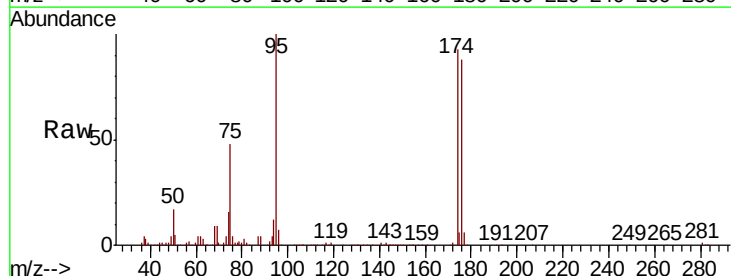
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

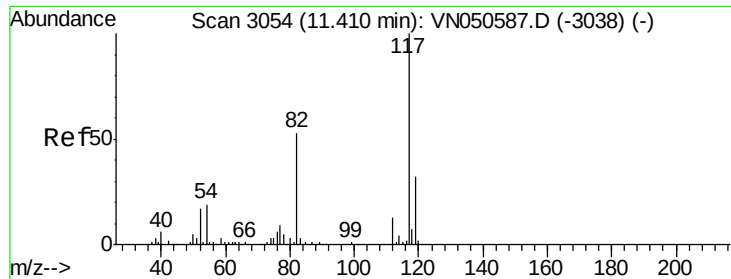
Tot Ion:107 Resp: 130796
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.11 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion: 95 Resp: 451601
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 177.8
 176 87.3 0.0 175.0

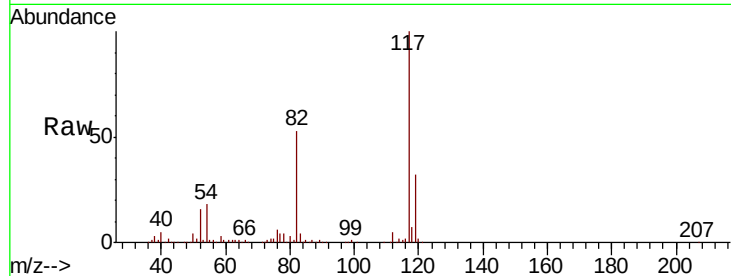




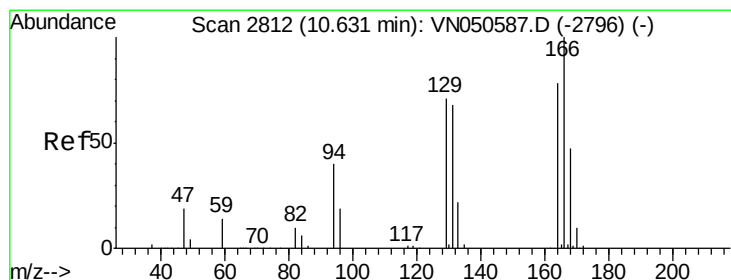
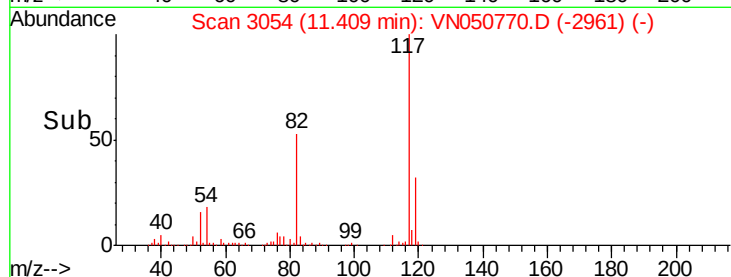
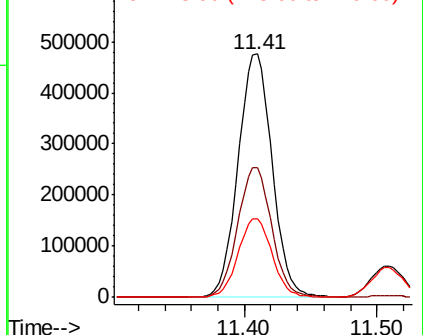
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion:117 Resp: 851230
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.2 25.8 38.8

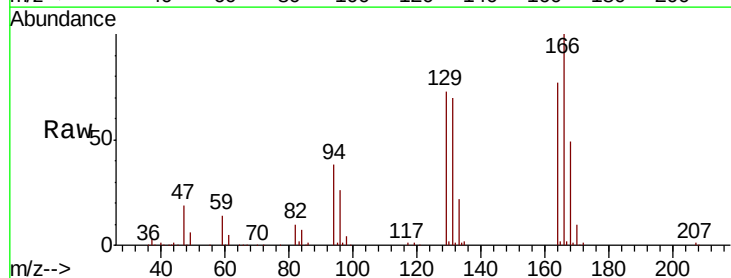


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

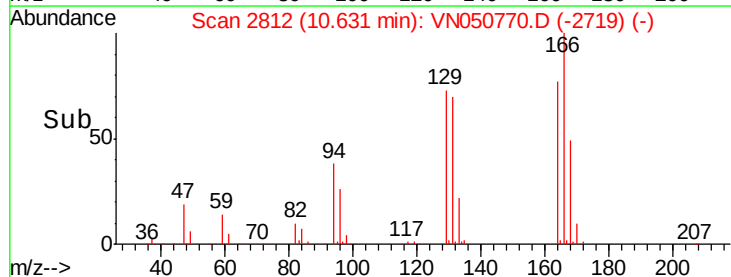
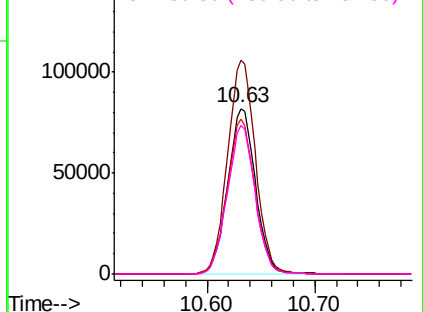


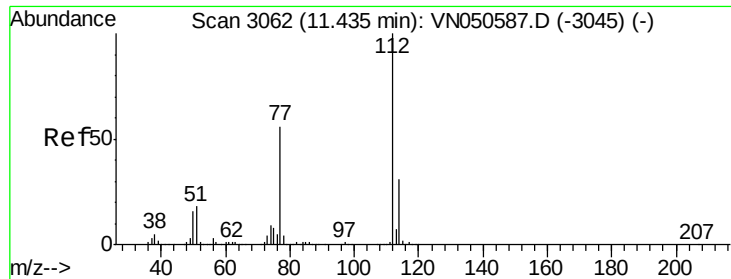
#64
Tetrachloroethene
Concen: 18.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion:164 Resp: 147683
Ion Ratio Lower Upper
164 100
166 129.1 102.1 153.1
129 93.7 72.7 109.1
131 89.8 69.9 104.9



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

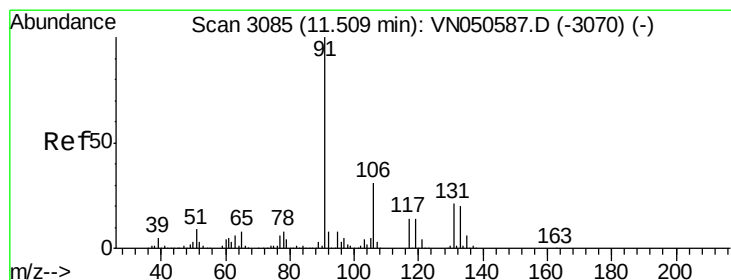
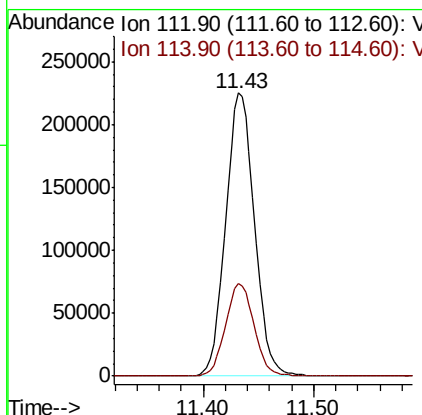
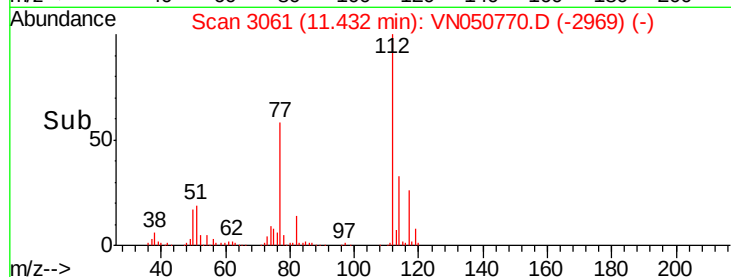
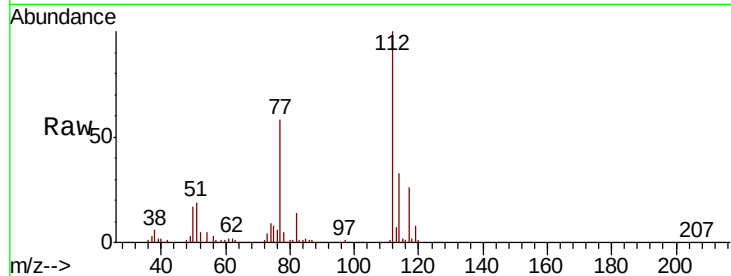




#65
Chlorobenzene
Concen: 19.23 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

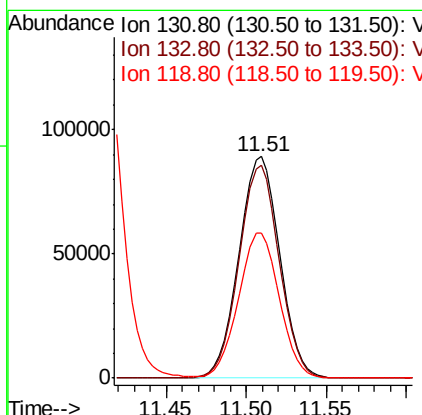
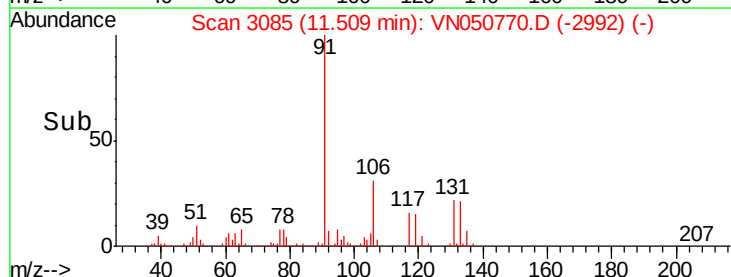
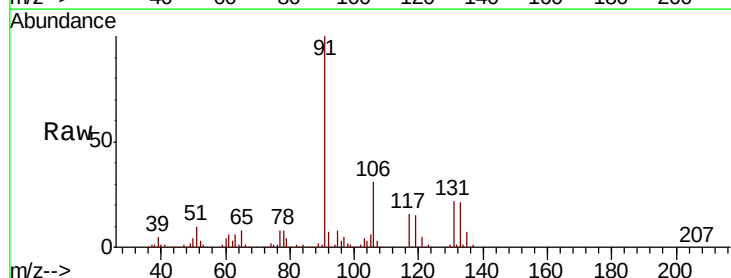
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

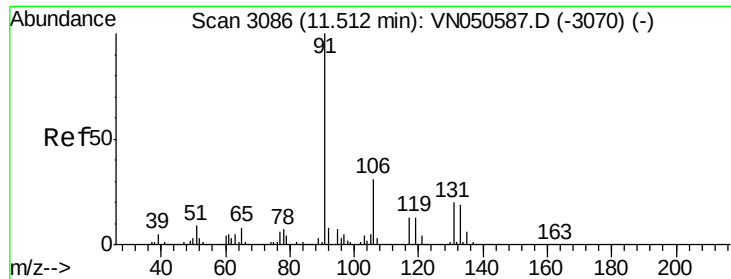
Tot Ion:112 Resp: 407429
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.53 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion:131 Resp: 155098
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 65.7 33.1 99.3





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

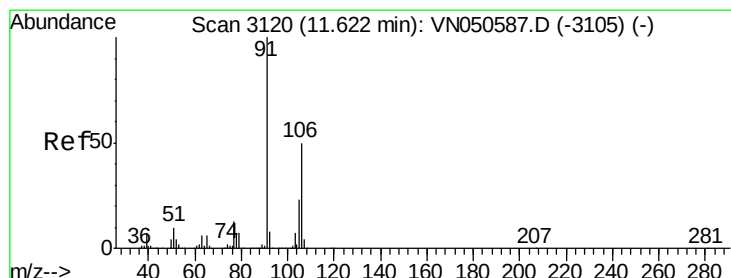
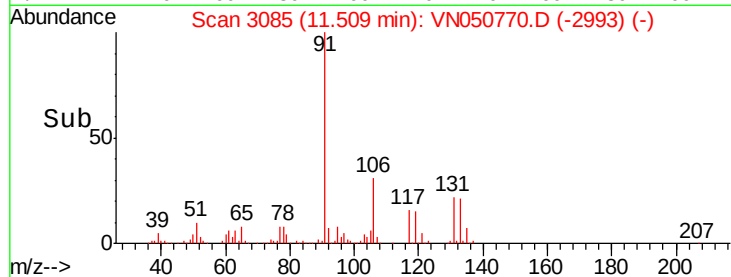
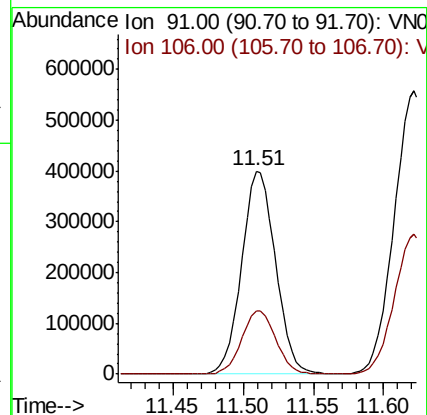
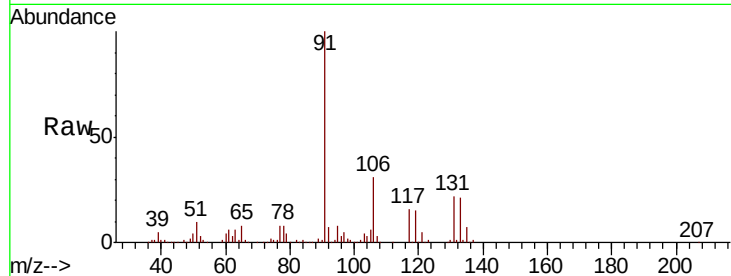
VN0820WBS02

Tot Ion: 91 Resp: 674202

Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2



#68

m/p-Xylenes

Concen: 40.49 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050770.D

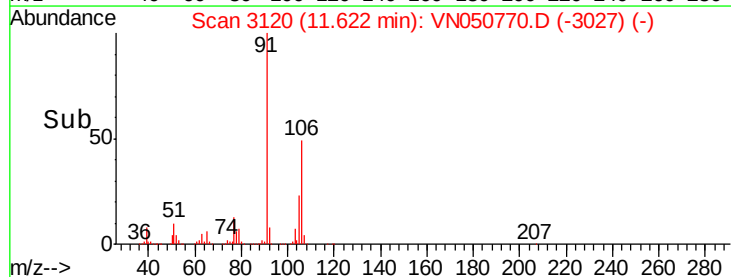
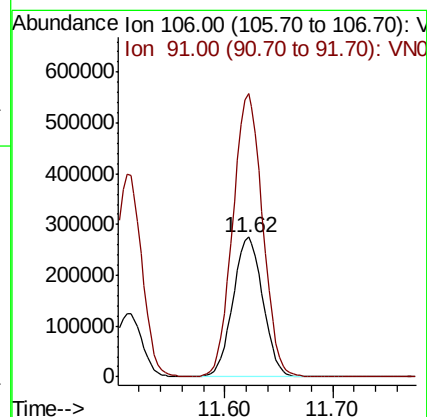
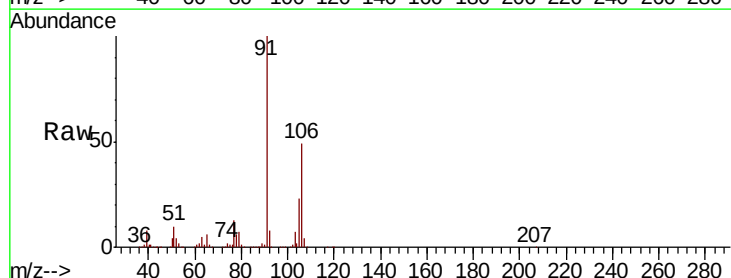
Acq: 20 Aug 2018 13:32

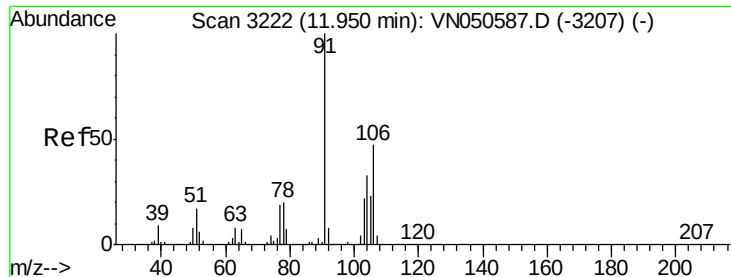
Tgt Ion: 106 Resp: 529672

Ion Ratio Lower Upper

106 100

91 201.5 161.5 242.3

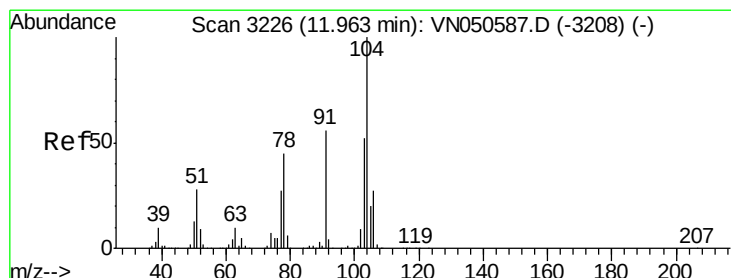
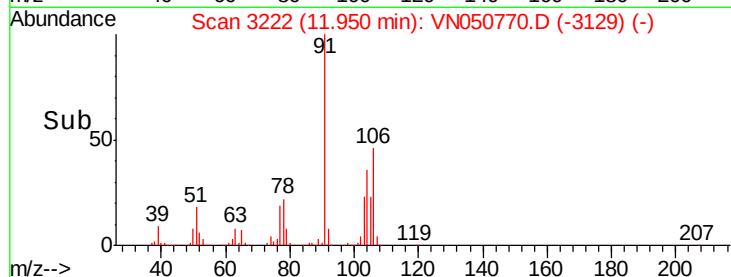
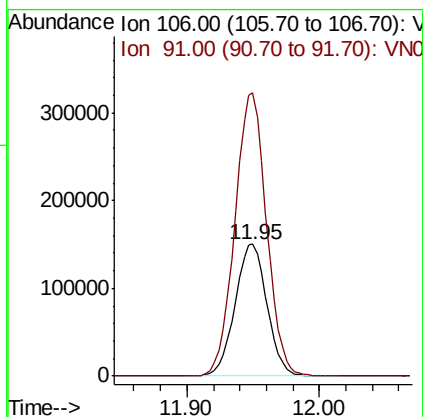
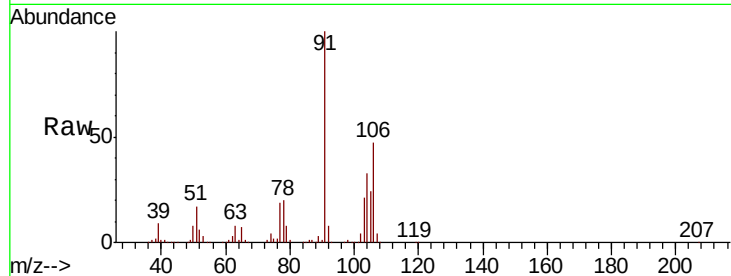




#69
o-Xylene
Concen: 20.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

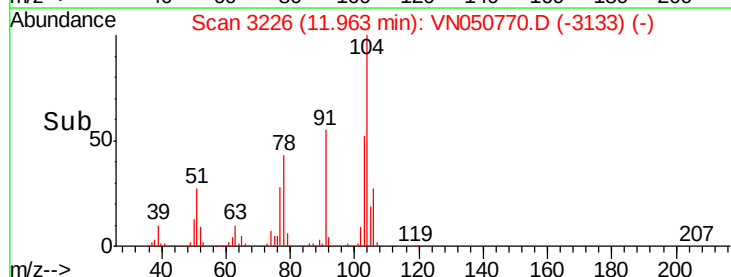
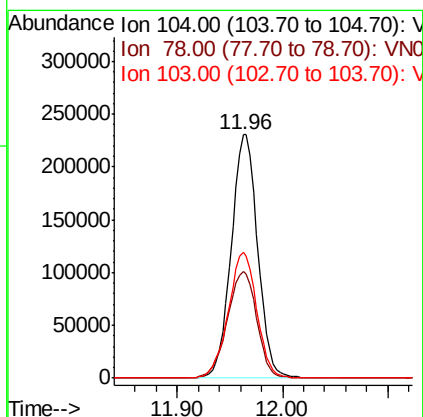
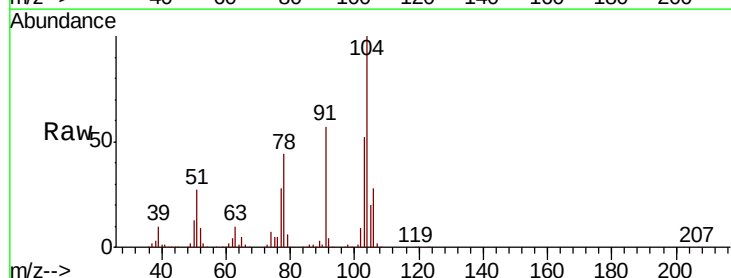
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

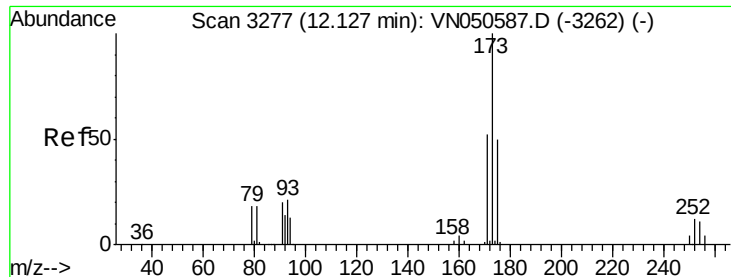
Tot Ion:106 Resp: 250901
Ion Ratio Lower Upper
106 100
91 213.0 106.8 320.4



#70
Styrene
Concen: 18.59 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion:104 Resp: 398987
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 55.7 44.9 67.3

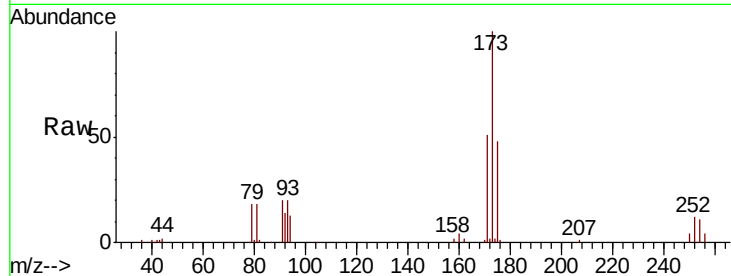




#71
 Bromoform
 Concen: 19.08 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

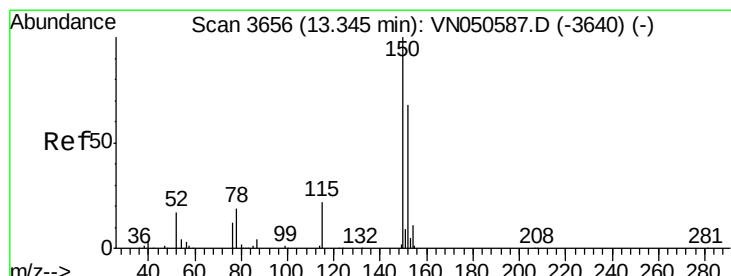
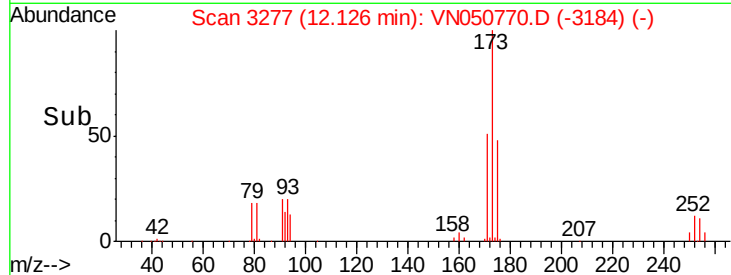
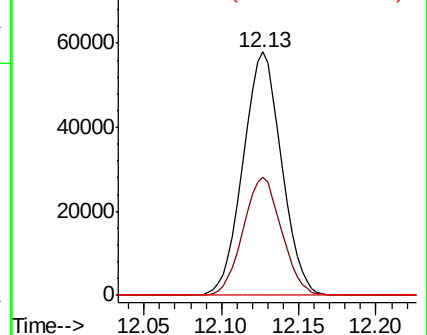


Abundance

Ion 172.70 (172.40 to 173.40): V

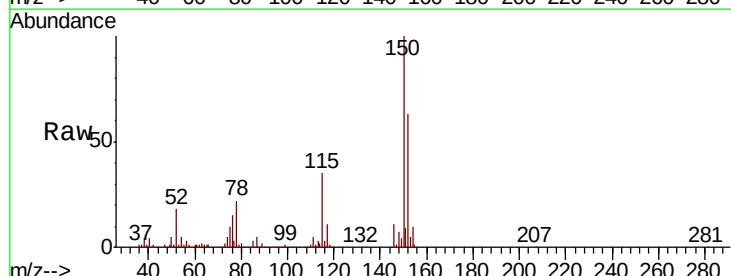
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	165.0	0.0	347.8

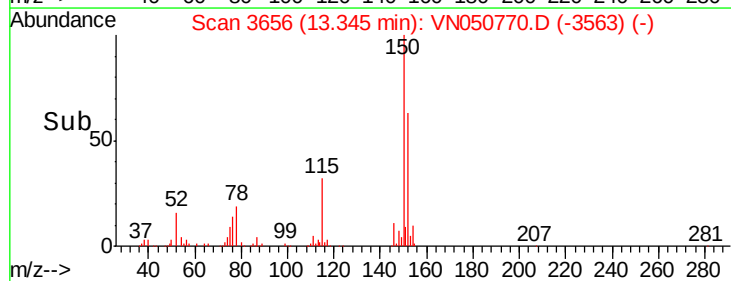
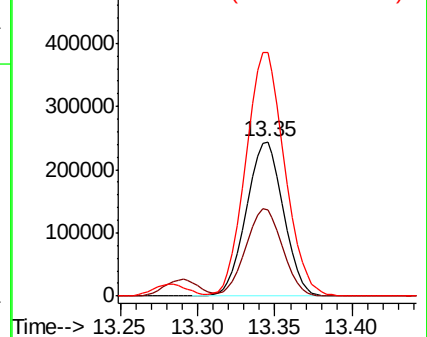


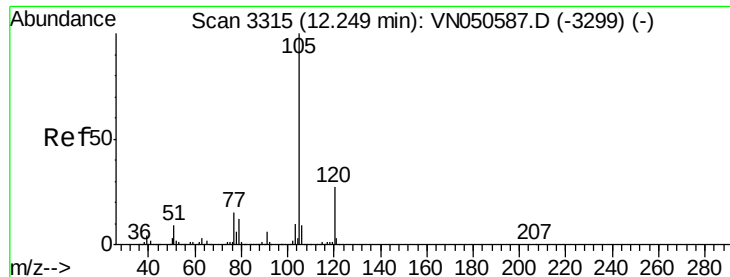
Abundance

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: 20.96 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

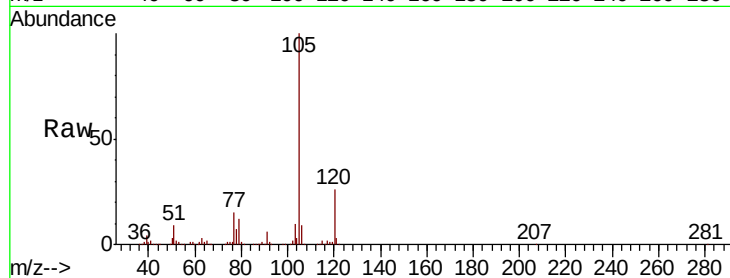
VN0820WBS02

Tot Ion:105 Resp: 667618

Ion Ratio Lower Upper

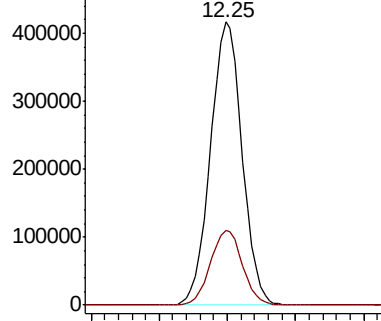
105 100

120 26.7 13.4 40.1

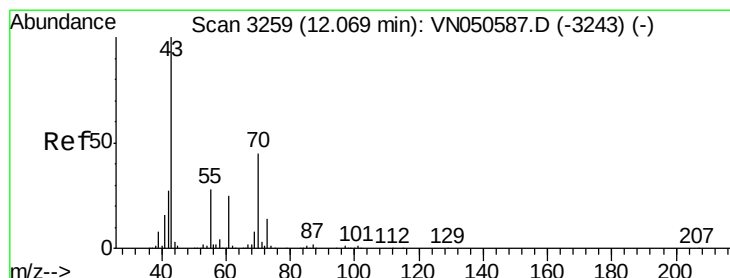
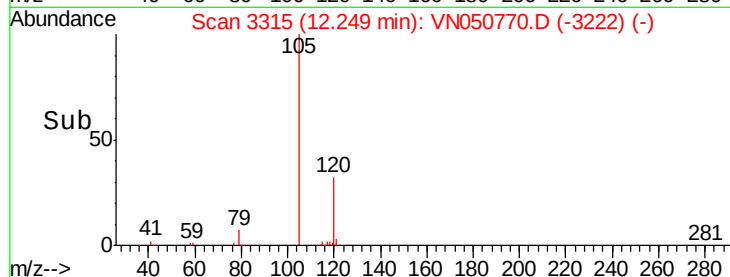


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion: 43 Resp: 154591

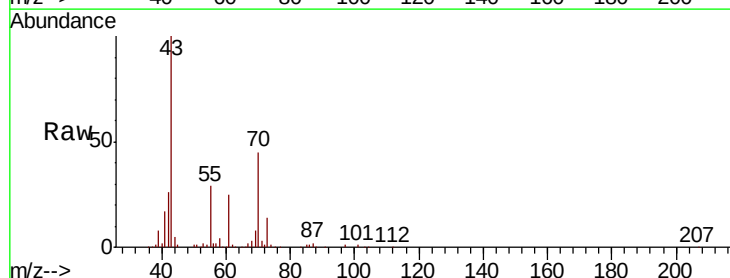
Ion Ratio Lower Upper

43 100

70 45.0 35.9 53.9

55 29.1 22.2 33.4

61 25.2 20.0 30.0

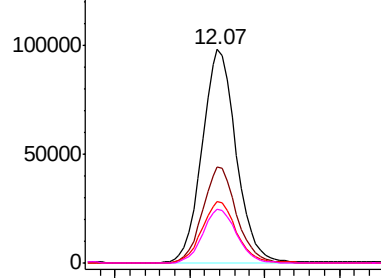


Abundance Ion 43.00 (42.70 to 43.70): VN0

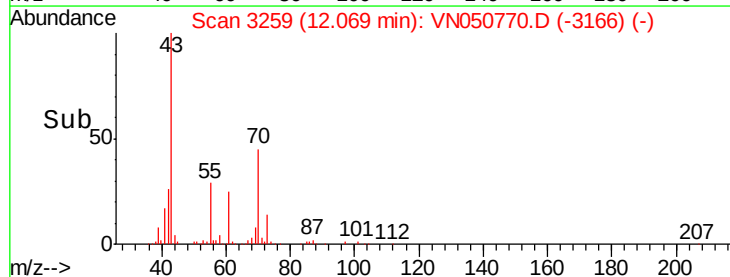
Ion 70.00 (69.70 to 70.70): VN0

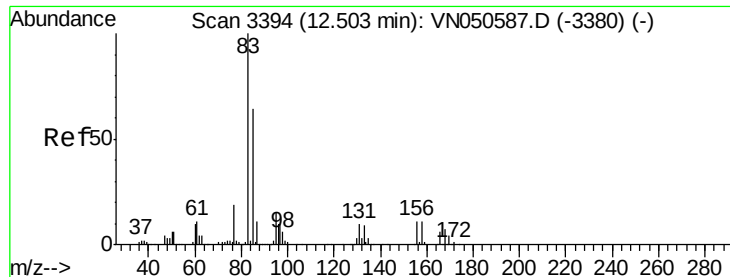
Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 20.91 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

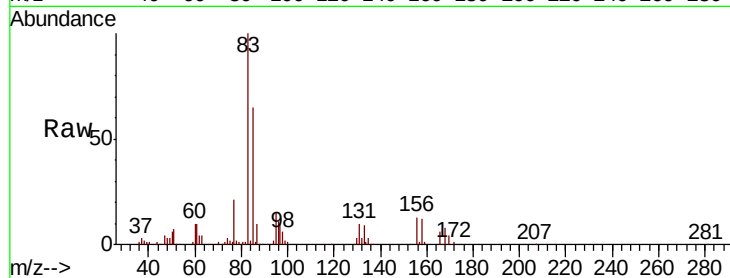
Tot Ion: 83 Resp: 164635

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

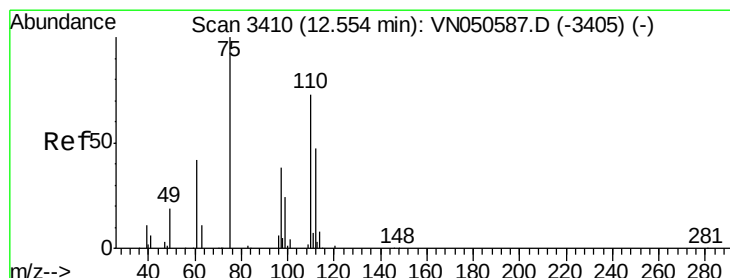
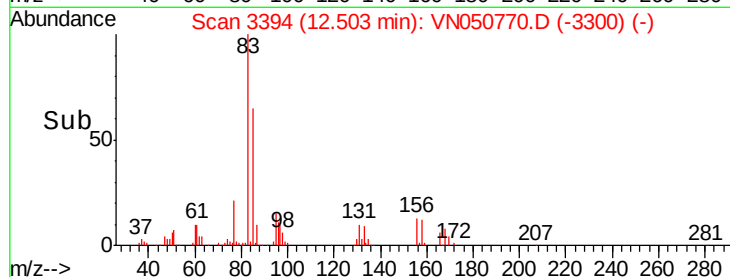
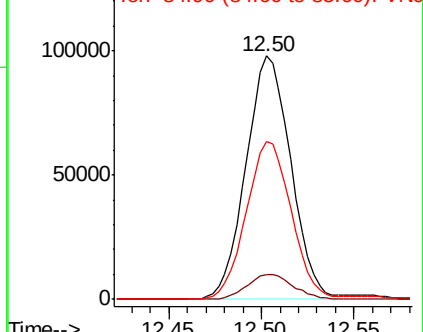
85 64.9 32.1 96.5



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: 28.30 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050770.D

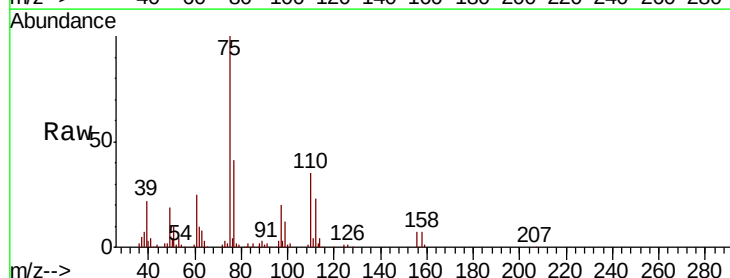
Acq: 20 Aug 2018 13:32

Tgt Ion: 75 Resp: 189402

Ion Ratio Lower Upper

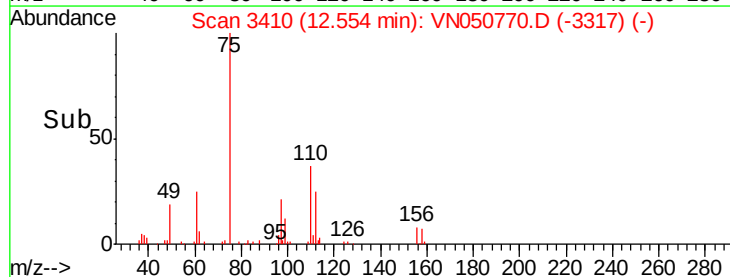
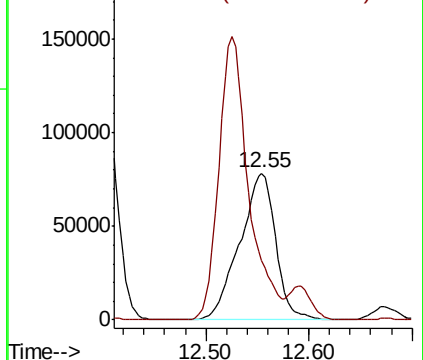
75 100

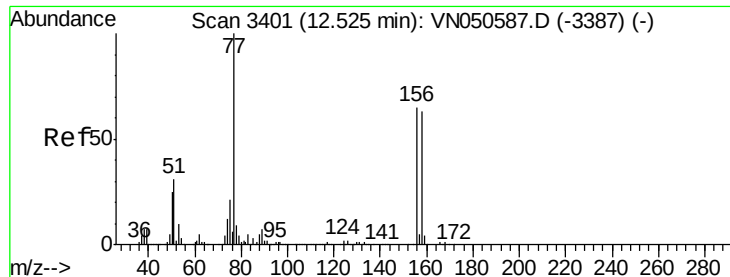
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

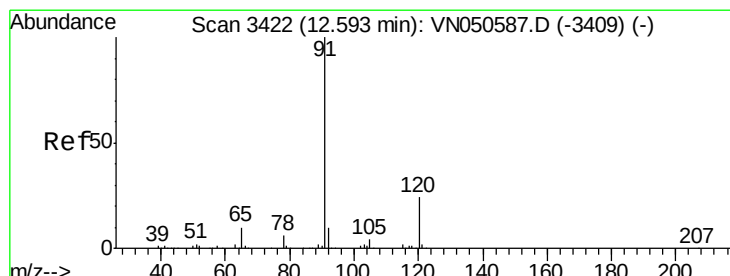
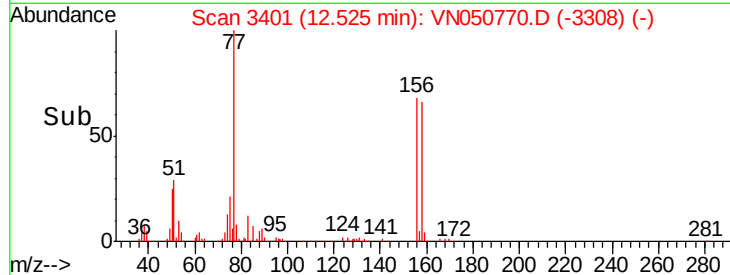
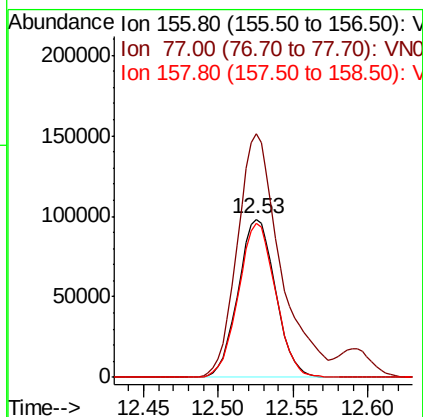
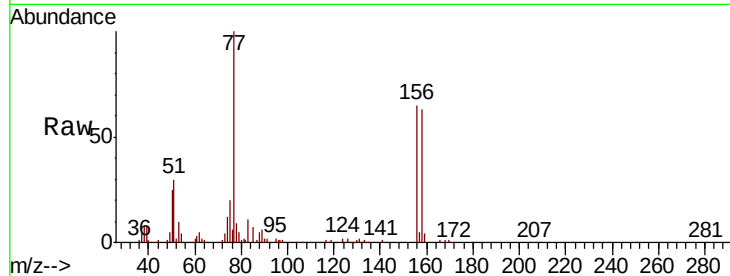




#77
 Bromobenzene
 Concen: 19.71 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

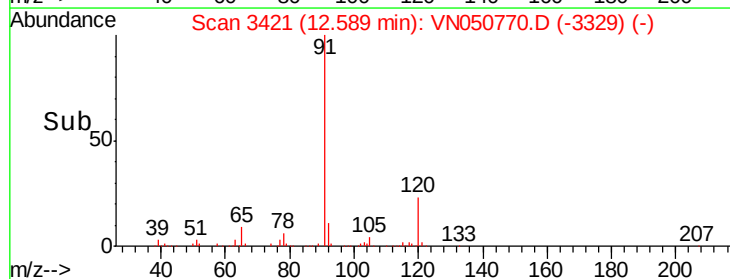
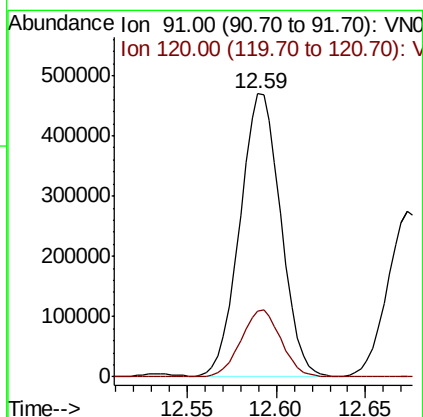
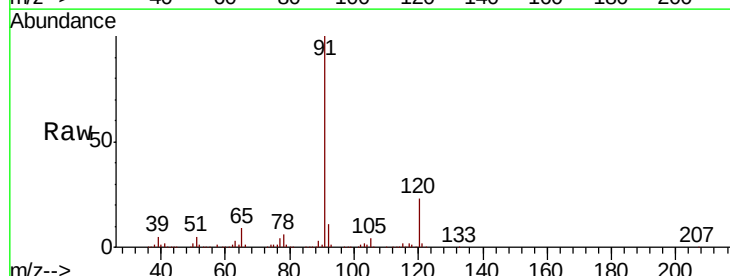
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

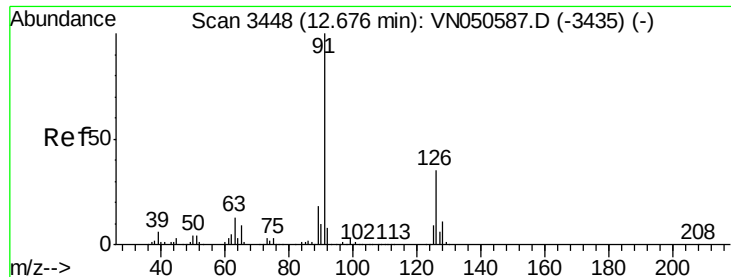
Tot Ion:156 Resp: 170455
 Ion Ratio Lower Upper
 156 100
 77 177.5 89.0 267.1
 158 96.7 48.5 145.6



#78
 n-propylbenzene
 Concen: 21.07 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion: 91 Resp: 748503
 Ion Ratio Lower Upper
 91 100
 120 23.3 11.8 35.4





#79

2-Chlorotoluene

Concen: 20.60 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

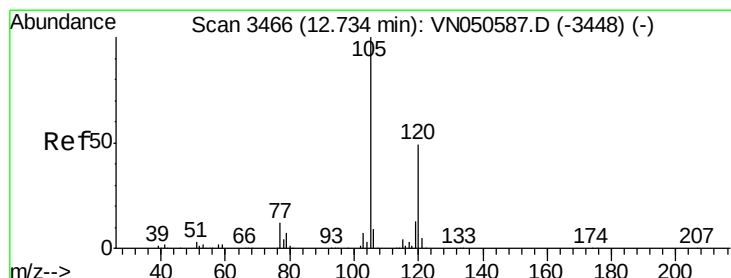
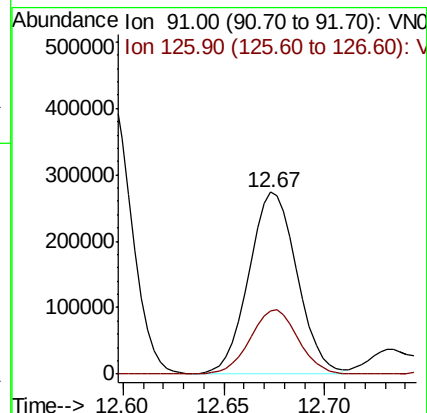
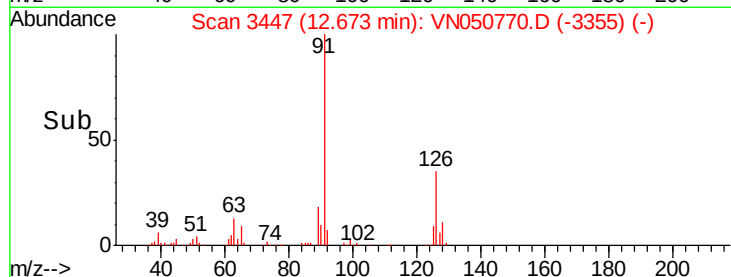
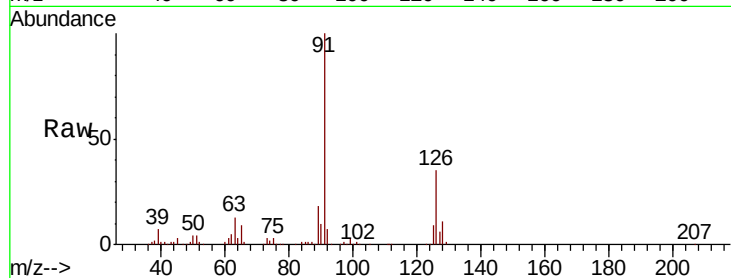
VN0820WBS02

Tot Ion: 91 Resp: 456277

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.52 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050770.D

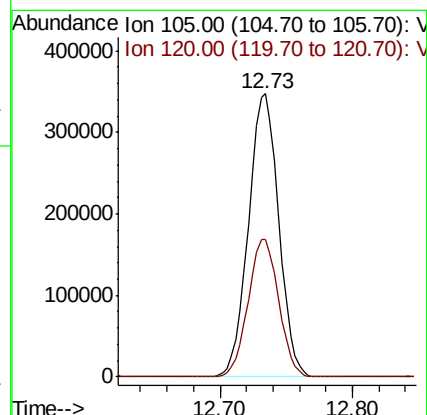
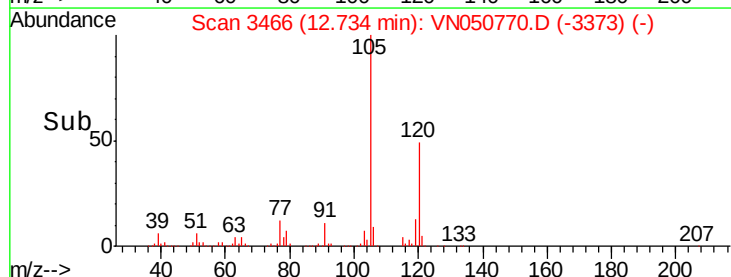
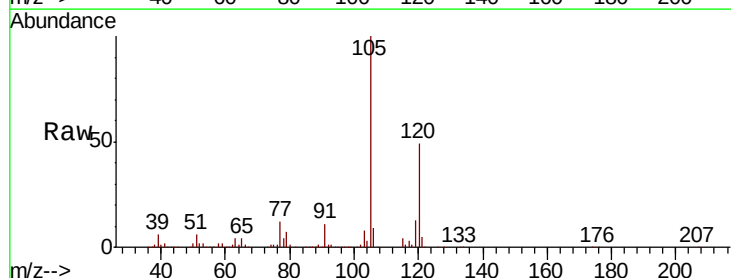
Acq: 20 Aug 2018 13:32

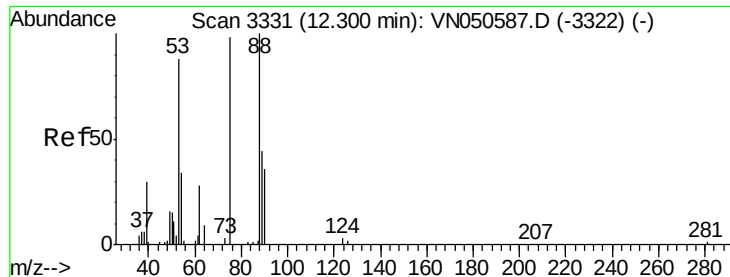
Tgt Ion: 105 Resp: 548877

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.81 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

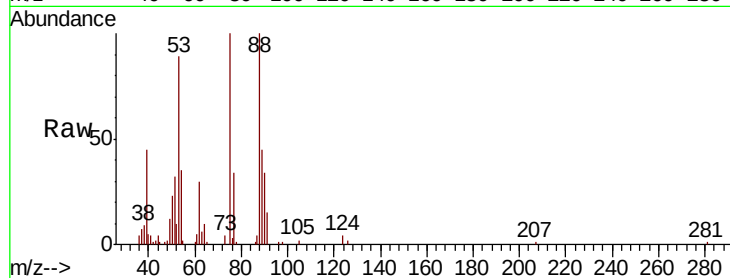
Tot Ion: 75 Resp: 38173

Ion Ratio Lower Upper

75 100

53 92.1 72.2 108.2

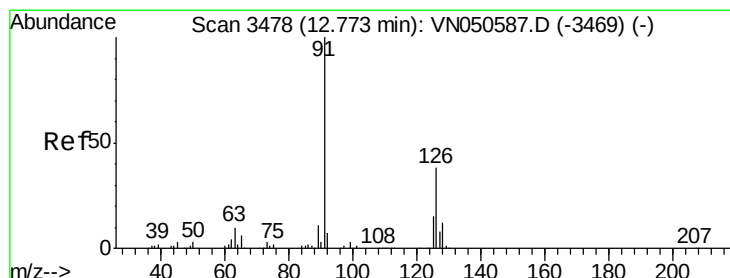
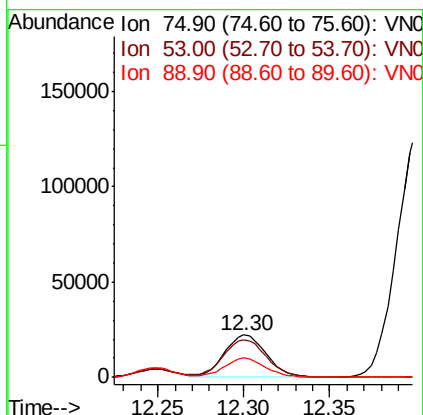
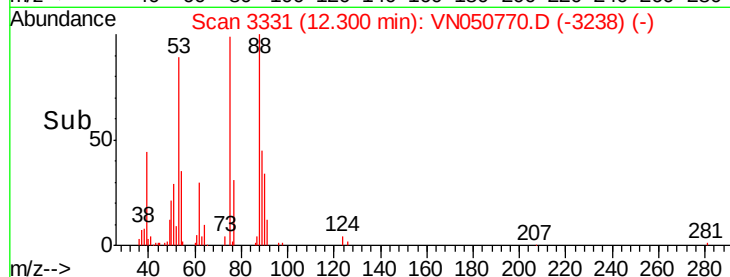
89 43.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.65 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050770.D

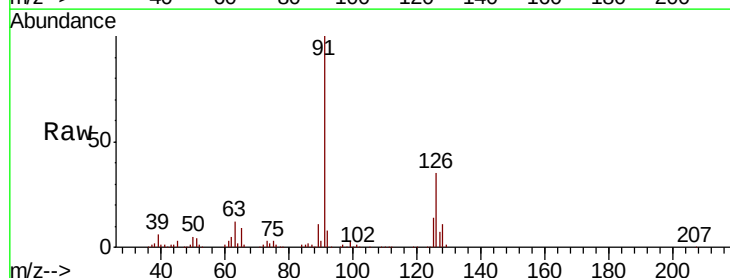
Acq: 20 Aug 2018 13:32

Tgt Ion: 91 Resp: 451953

Ion Ratio Lower Upper

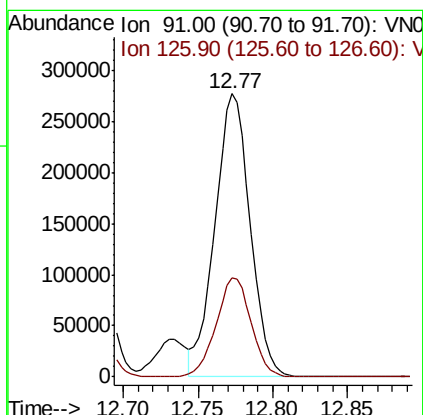
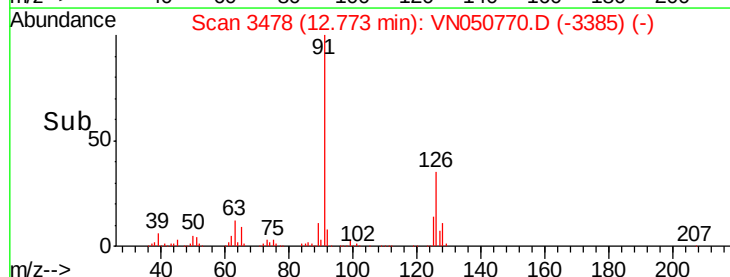
91 100

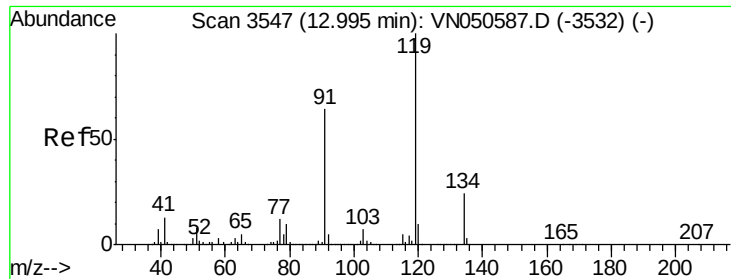
126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

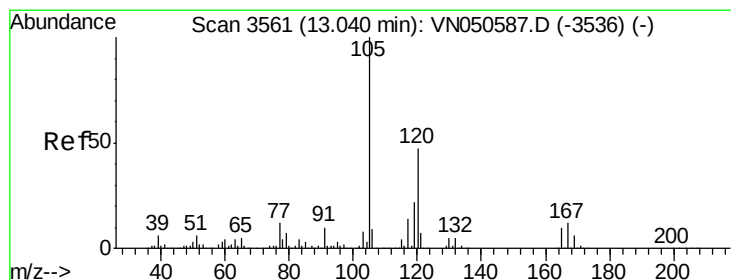
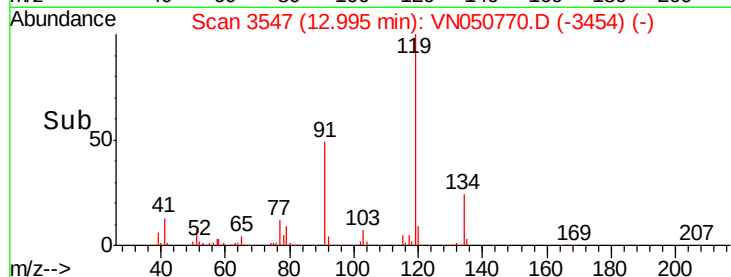
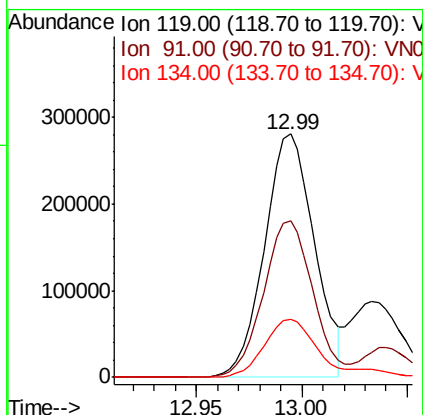
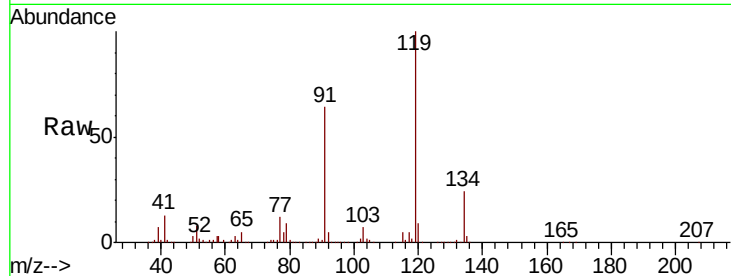




#83
 tert-Butylbenzene
 Concen: 20.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

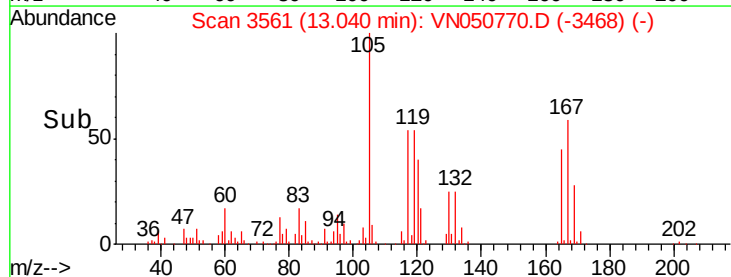
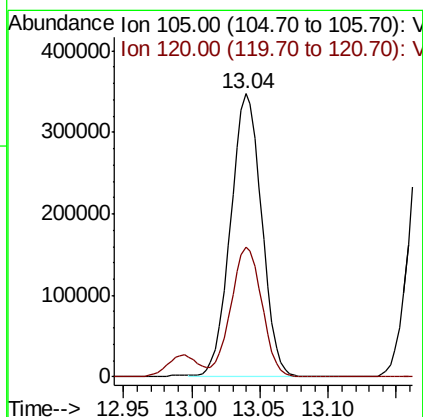
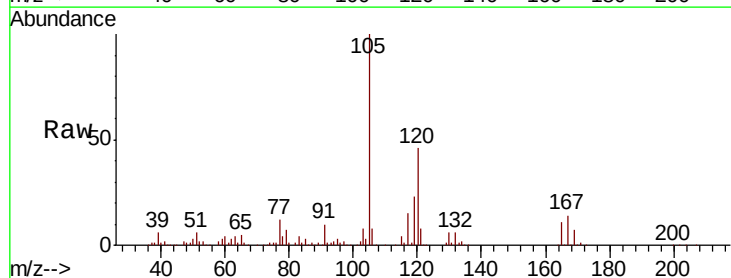
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

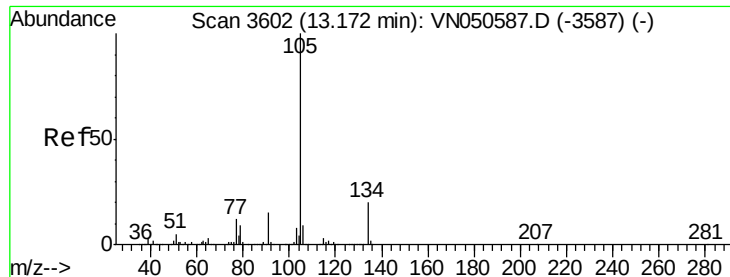
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.2	96.6
134	24.6	13.4	40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.46 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.2	69.5





#85

sec-Butylbenzene

Concen: 21.28 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

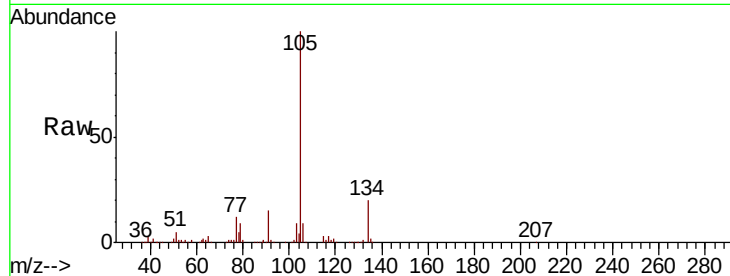
VN0820WBS02

Tot Ion:105 Resp: 615869

Ion Ratio Lower Upper

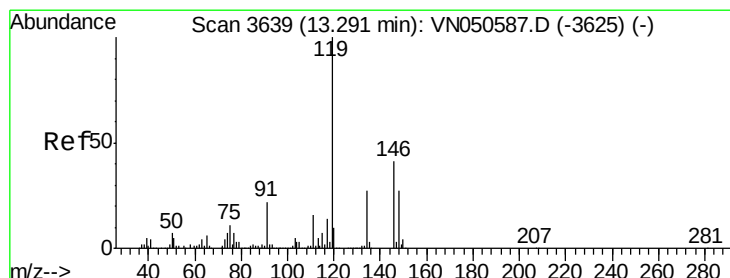
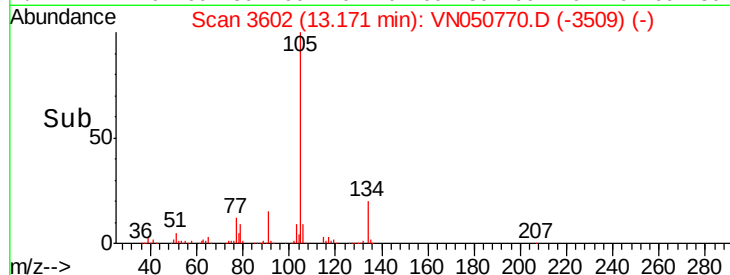
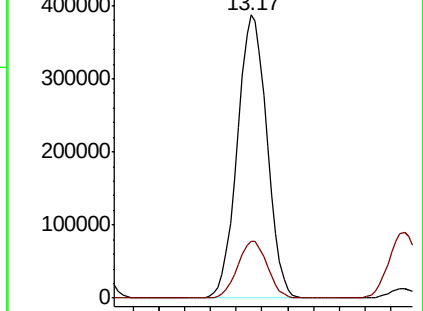
105 100

134 20.3 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: 21.53 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

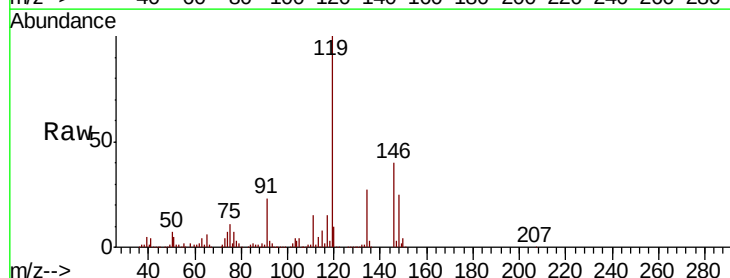
Tgt Ion:119 Resp: 527953

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

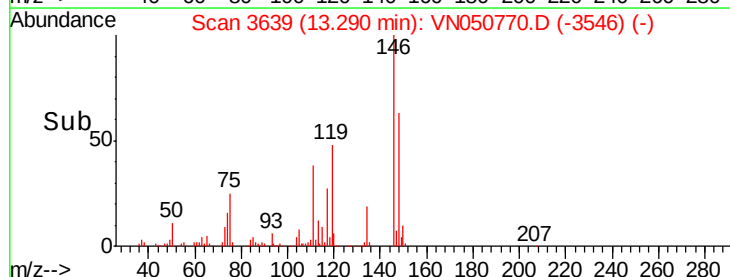
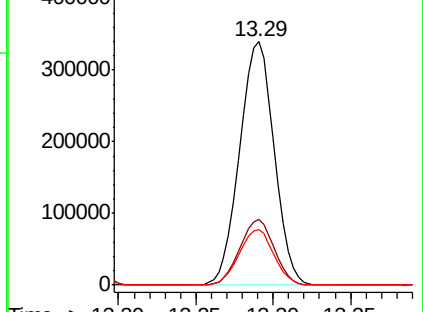
91 22.8 11.2 33.6

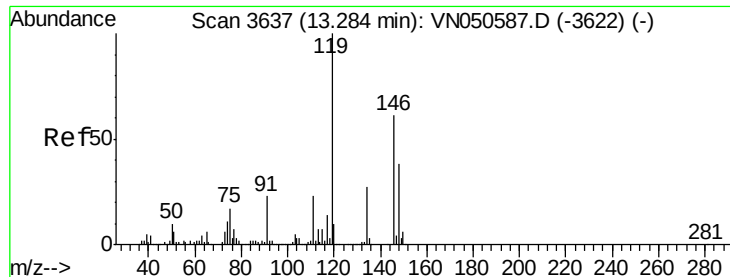


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.39 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

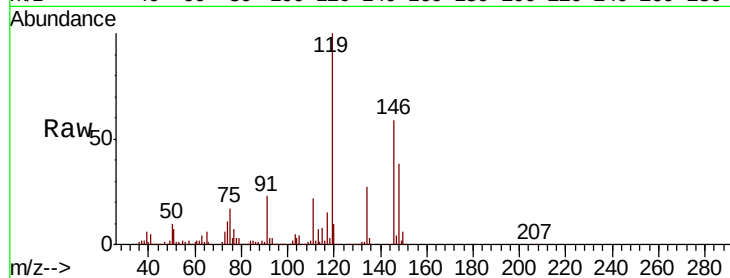
Tot Ion:146 Resp: 285458

Ion Ratio Lower Upper

146 100

111 38.4 19.2 57.6

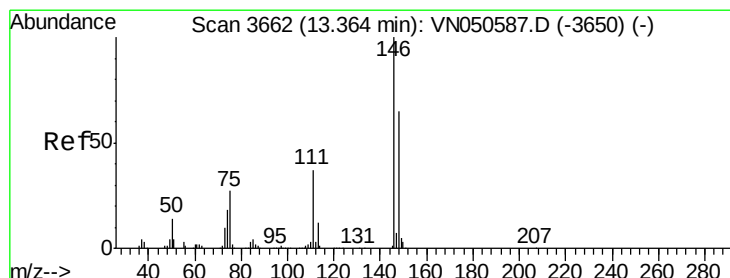
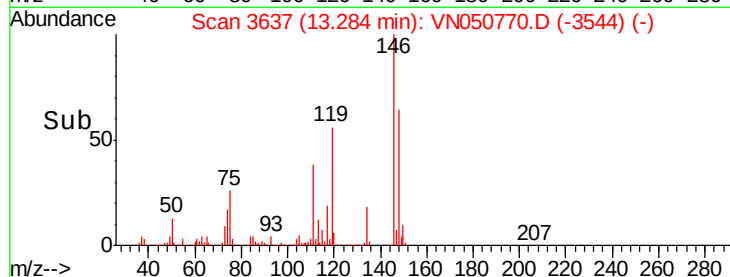
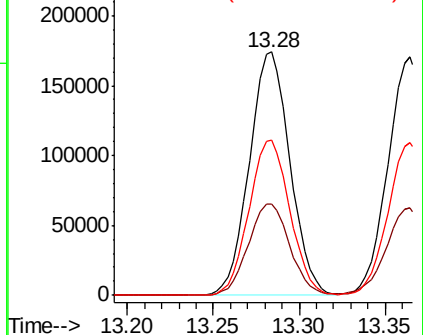
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.28 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

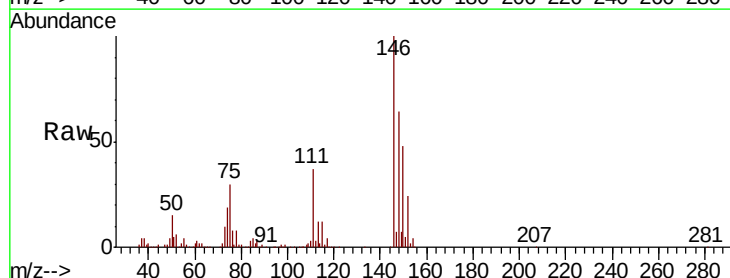
Tgt Ion:146 Resp: 281755

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

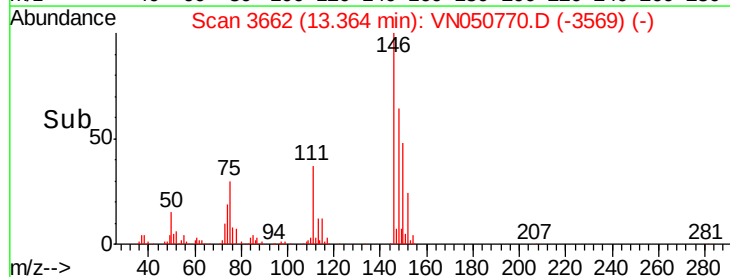
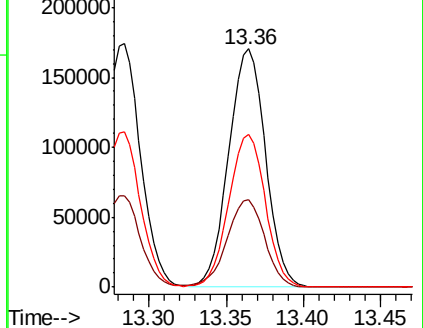
148 63.8 32.3 96.8

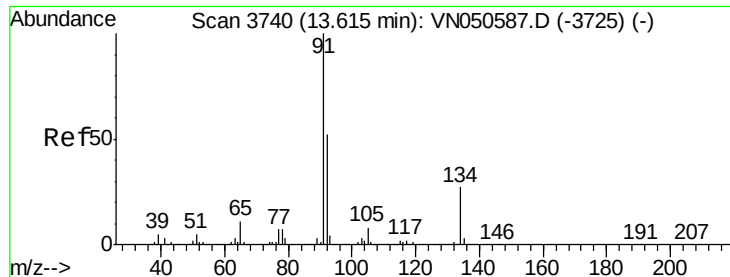


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.04 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

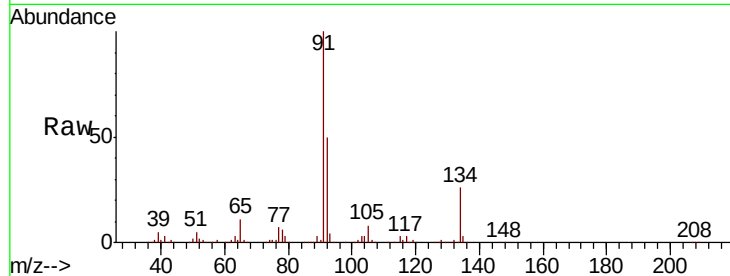
Tot Ion: 91 Resp: 396780

Ion Ratio Lower Upper

91 100

92 50.4 26.3 78.8

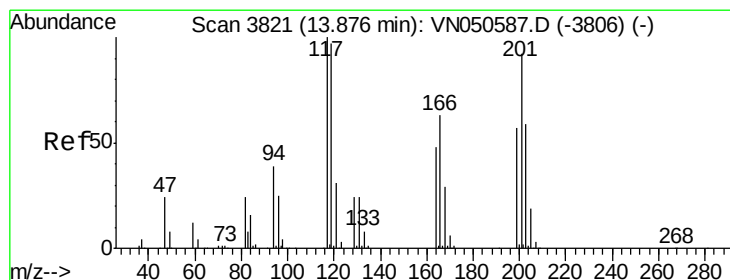
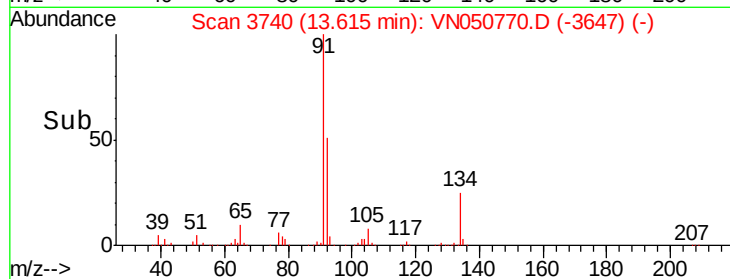
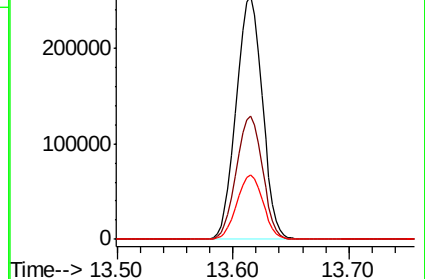
134 26.2 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050770.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050770.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050770.D (-3647) (-)



#90

Hexachloroethane

Concen: 19.43 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050770.D

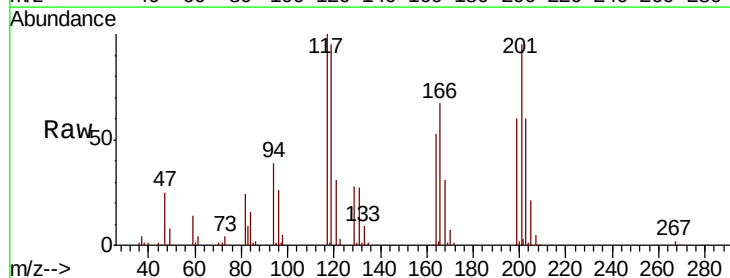
Acq: 20 Aug 2018 13:32

Tgt Ion: 117 Resp: 95810

Ion Ratio Lower Upper

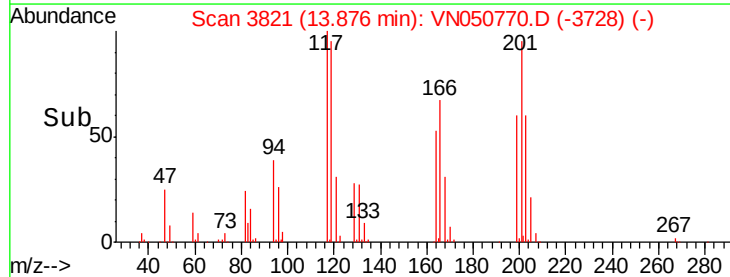
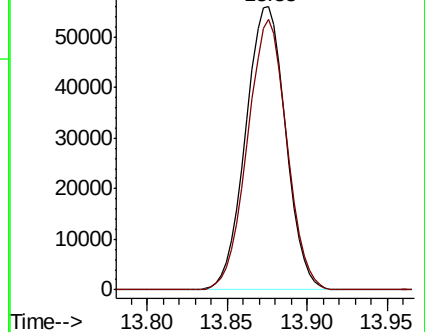
117 100

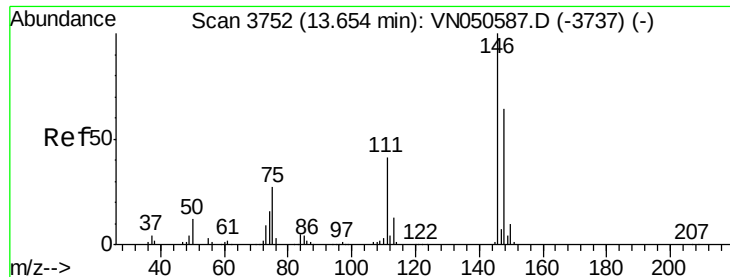
201 93.7 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050770.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050770.D (-3728) (-)

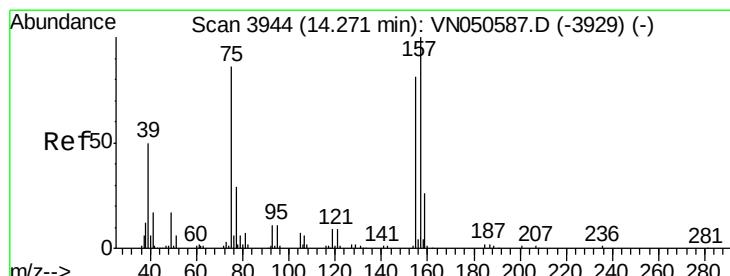
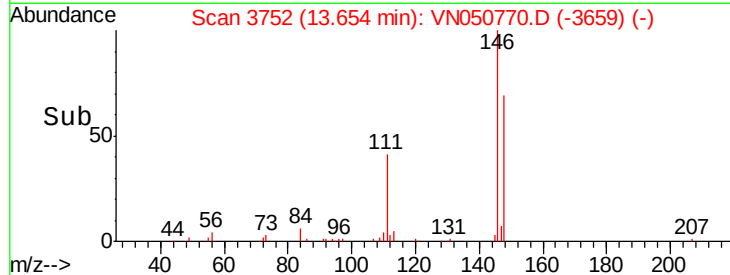
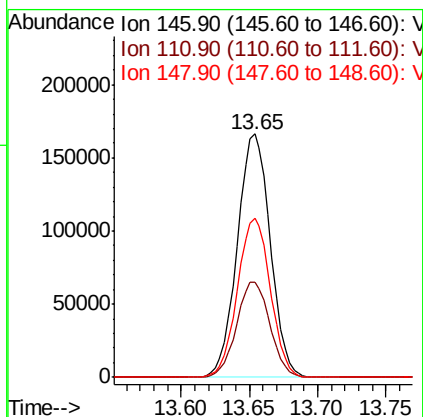
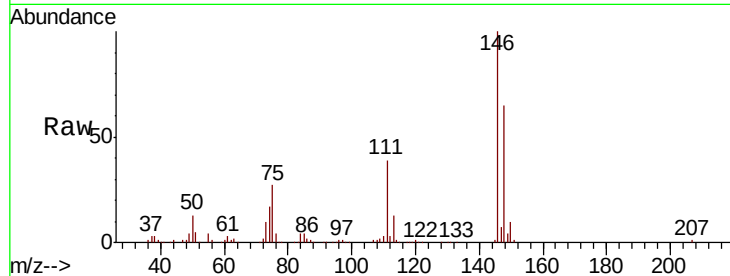




#91
 1,2-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

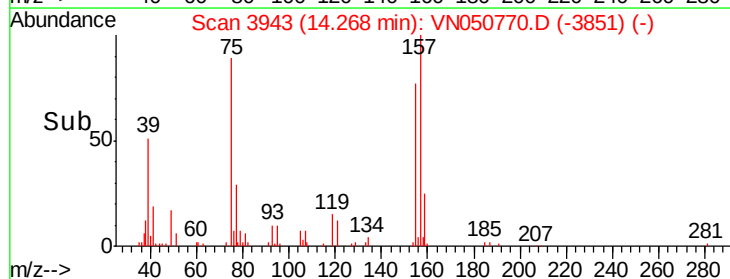
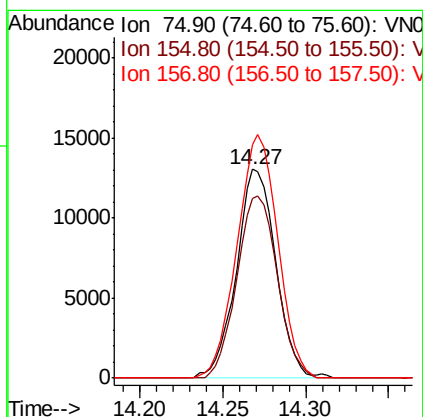
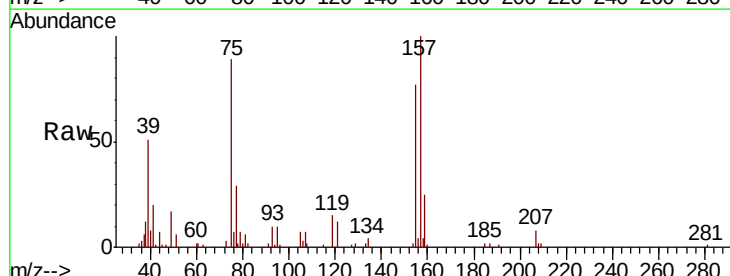
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

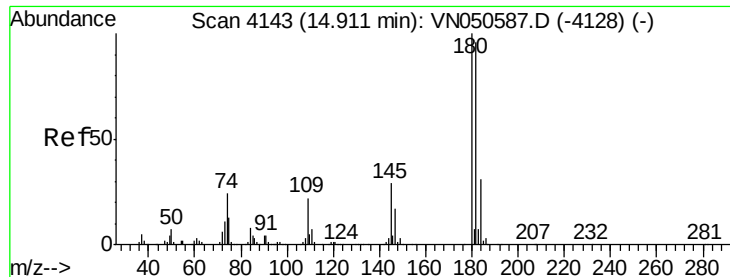
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	65.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.02 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	46.6	139.8
157	120.2	58.1	174.2

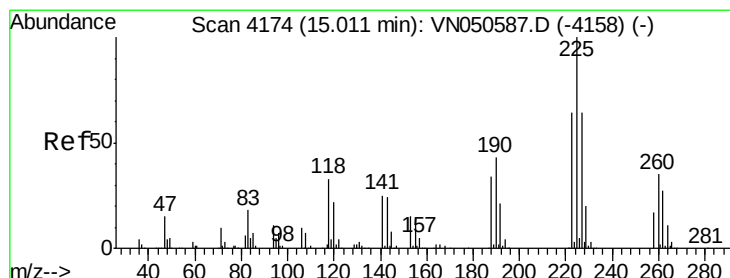
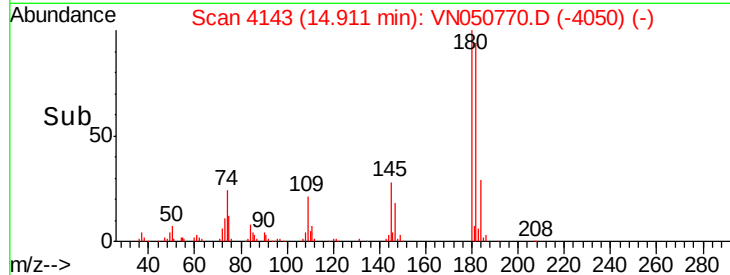
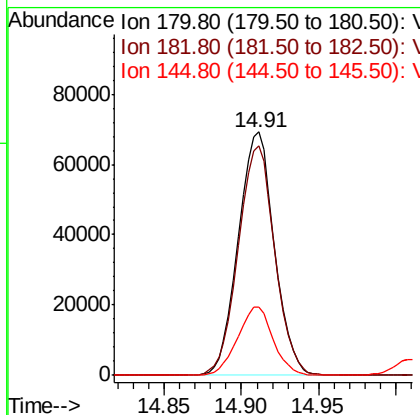
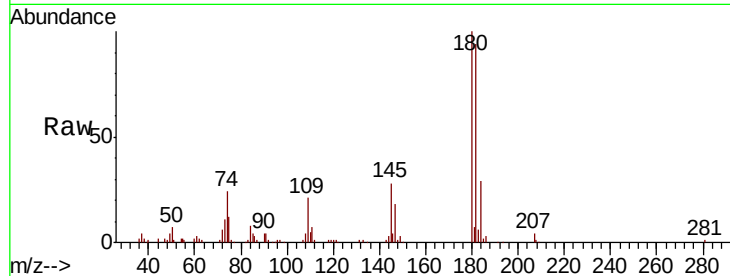




#93
 1,2,4-Trichlorobenzene
 Concen: 17.07 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

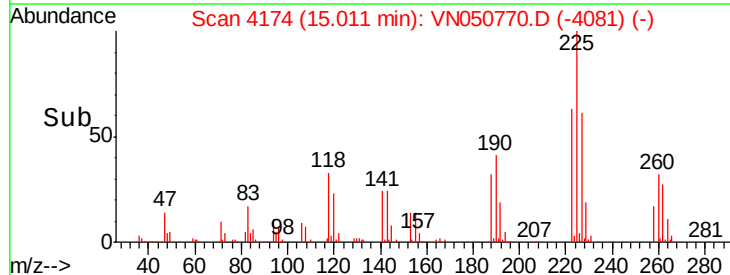
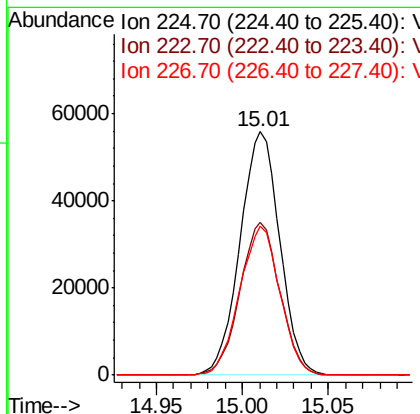
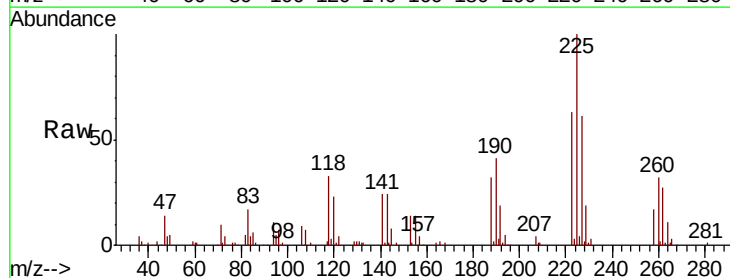
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

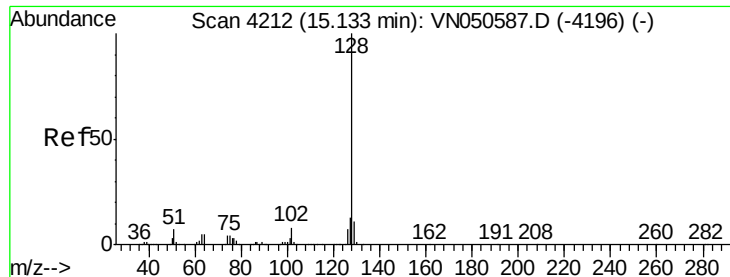
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	27.7	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 20.38 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	62.0	32.0	96.2





#95

Naphthalene

Concen: 15.90 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

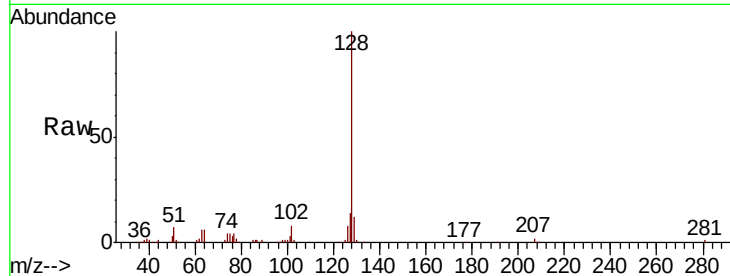
Tot Ion:128 Resp: 204624

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.9 8.5 12.7

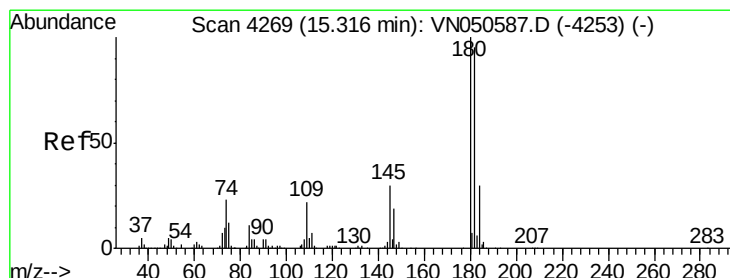
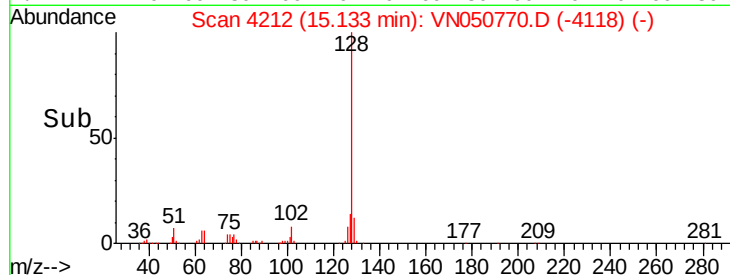
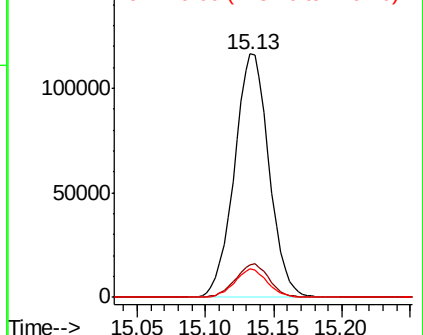


Abundance

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: 17.87 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

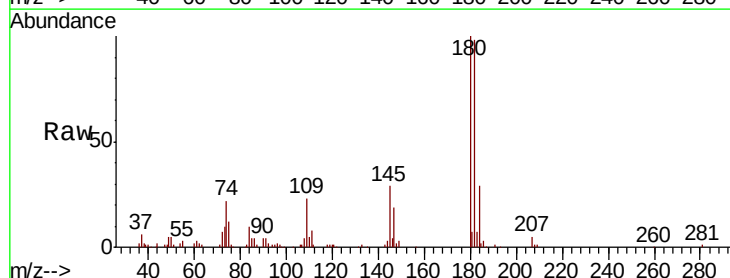
Tgt Ion:180 Resp: 114136

Ion Ratio Lower Upper

180 100

182 97.6 47.3 141.8

145 30.0 14.6 44.0



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

