

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050534.D
 Acq On : 10 Aug 2018 22:48
 Operator : MD\SY
 Sample : VN0810WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Quant Time: Aug 11 04:57:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	415549	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	402849	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.59	113	371023	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.09	98	1343951	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	432521	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	124852	18.11	ug/l	99
3) Chloromethane	2.06	50	161071	18.86	ug/l	99
4) Vinyl Chloride	2.18	62	172223	19.30	ug/l	98
5) Bromomethane	2.56	94	96297	22.35	ug/l	97
6) Chloroethane	2.70	64	105572	19.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	227770	19.76	ug/l	100
8) Diethyl Ether	3.41	74	80650	19.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141640	19.88	ug/l	99
10) Methyl Iodide	3.95	142	71845	22.89	ug/l	97
11) Tert butyl alcohol	4.80	59	49324	73.98	ug/l	98
12) 1,1-Dichloroethene	3.73	96	128884	19.19	ug/l	98
13) Acrolein	3.61	56	34998	52.95	ug/l	97
14) Allyl chloride	4.33	41	196243	18.20	ug/l	97
15) Acrylonitrile	5.00	53	247367	88.57	ug/l	99
16) Acetone	3.82	43	220388	88.81	ug/l	99
17) Carbon Disulfide	4.05	76	370483	16.97	ug/l	99
18) Methyl Acetate	4.33	43	132079	20.42	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	356144	18.68	ug/l	99
20) Methylene Chloride	4.55	84	154743	19.50	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141044	19.41	ug/l	99
22) Diisopropyl ether	5.96	45	448719	20.37	ug/l	97
23) Vinyl Acetate	5.90	43	1456583	92.66	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272163	20.13	ug/l	100
25) 2-Butanone	6.84	43	342272	83.22	ug/l	97
26) 2,2-Dichloropropane	6.83	77	168439	15.11	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	157390	19.54	ug/l	97
28) Bromochloromethane	7.20	49	129265	20.77	ug/l	99
29) Tetrahydrofuran	7.22	42	184771	83.94	ug/l	99
30) Chloroform	7.37	83	273761	20.26	ug/l	99
31) Cyclohexane	7.66	56	222778	18.33	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	229248	19.75	ug/l	98
36) 1,1-Dichloropropene	7.80	75	197581	19.59	ug/l	99
37) Ethyl Acetate	6.93	43	129204	17.79	ug/l	100
38) Carbon Tetrachloride	7.78	117	204321	19.42	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191805	17.42	ug/l	98
40) Benzene	8.05	78	612874	19.77	ug/l	99
41) Methacrylonitrile	7.18	41	69631	18.03	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	194689	19.78	ug/l	99
43) Isopropyl Acetate	8.17	43	236421	18.86	ug/l	98
44) Trichloroethene	8.84	130	157587	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164432	20.17	ug/l	98
46) Dibromomethane	9.21	93	97447	19.36	ug/l	99
47) Bromodichloromethane	9.40	83	205896	19.75	ug/l	100
48) Methyl methacrylate	9.20	41	110290	17.55	ug/l	99
49) 1,4-Dioxane	9.20	88	30219	312.00	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	796943	88.27	ug/l	100
52) Toluene	10.16	92	369556	19.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	185138	17.69	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	224820	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	140244	19.29	ug/l	98
56) Ethyl methacrylate	10.43	69	164671	17.17	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229710	19.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394517	87.22	ug/l	99
59) 2-Hexanone	10.75	43	514453	81.64	ug/l	99
60) Dibromochloromethane	10.90	129	154827	19.33	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133651	18.65	ug/l	98
64) Tetrachloroethene	10.63	164	151693	19.78	ug/l	98
65) Chlorobenzene	11.44	112	397078	19.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151480	20.23	ug/l	99
67) Ethyl Benzene	11.51	91	650660	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	511309	40.38	ug/l	100
69) o-Xylene	11.95	106	239864	19.67	ug/l	99
70) Styrene	11.97	104	396330	19.98	ug/l	99
71) Bromoform	12.13	173	100778	18.41	ug/l #	98
73) Isopropylbenzene	12.25	105	638563	20.47	ug/l	100
74) N-amyl acetate	12.07	43	177573	17.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175749	19.53	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	196688	26.15	ug/l #	100
77) Bromobenzene	12.53	156	169124	20.24	ug/l	99
78) n-propylbenzene	12.59	91	724091	20.51	ug/l	100
79) 2-Chlorotoluene	12.68	91	445092	20.41	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522464	20.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35178	16.43	ug/l	97
82) 4-Chlorotoluene	12.77	91	441769	20.31	ug/l	98
83) tert-Butylbenzene	12.99	119	446968	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538587	21.00	ug/l	100
85) sec-Butylbenzene	13.17	105	587908	19.97	ug/l	100
86) p-Isopropyltoluene	13.29	119	502321	19.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	292993	19.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	284053	19.11	ug/l	98
89) n-Butylbenzene	13.62	91	379420	17.66	ug/l	99
90) Hexachloroethane	13.88	117	88588	19.74	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	290767	19.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24661	16.14	ug/l	98

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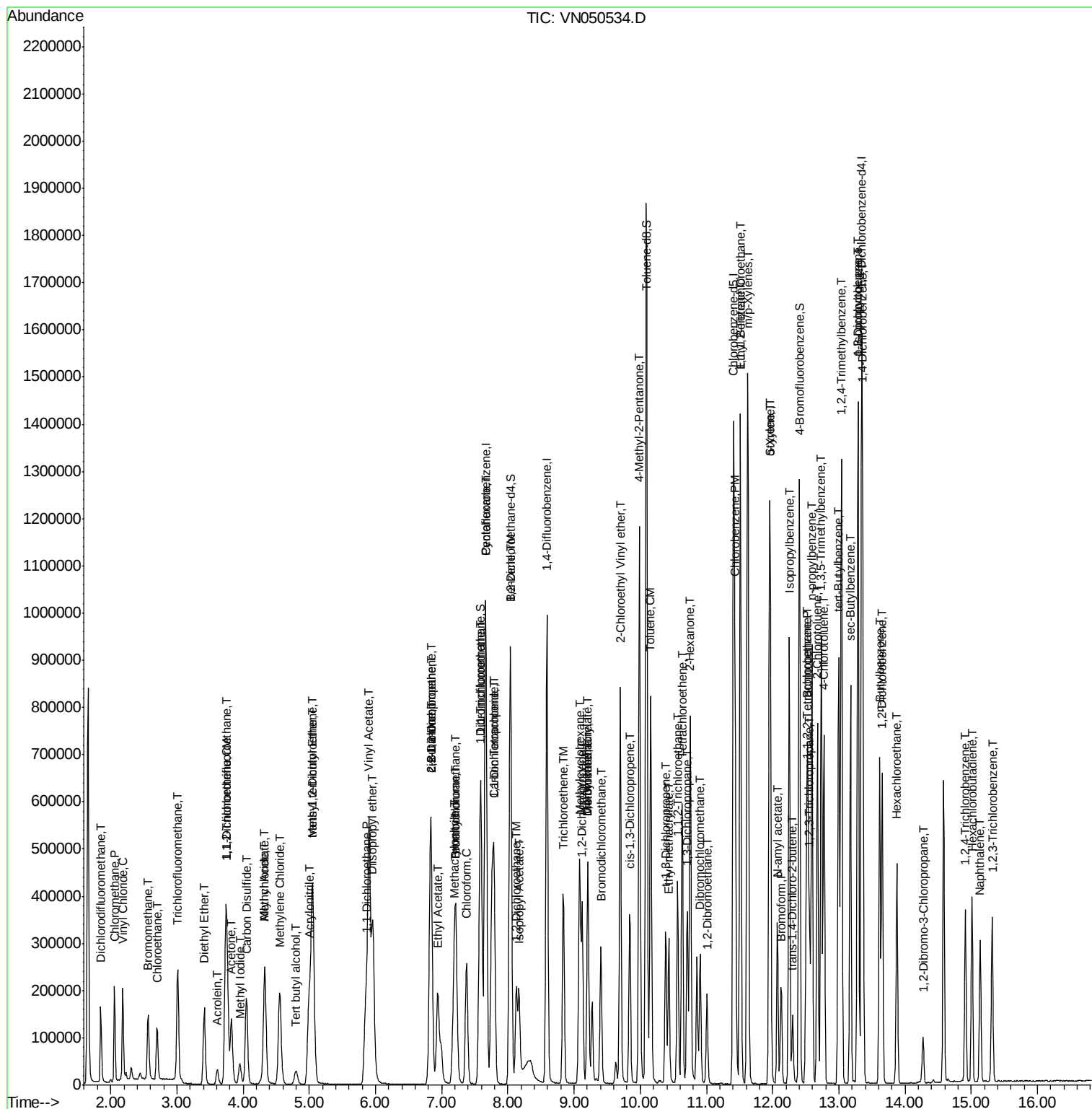
Instrument :
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ClientSampleId :
VN0810WBS02

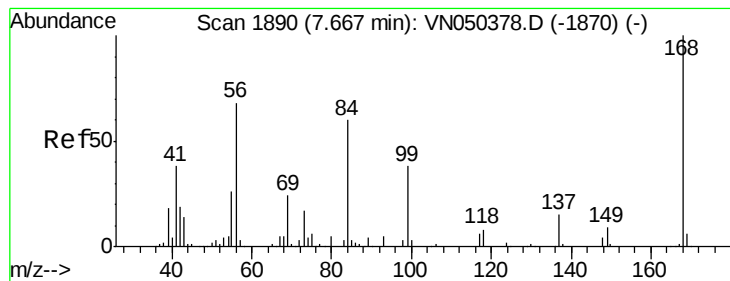
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130996	17.24	ug/l	99
94) Hexachlorobutadiene	15.01	225	83286	19.05	ug/l	99
95) Naphthalene	15.13	128	259959	15.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128524	16.73	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

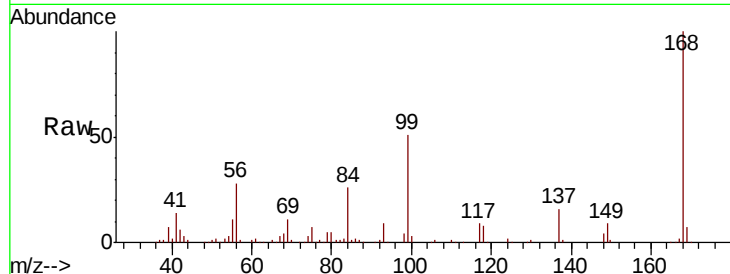
VN0810WBS02

Tot Ion:168 Resp: 621183

Ion Ratio Lower Upper

168 100

99 50.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

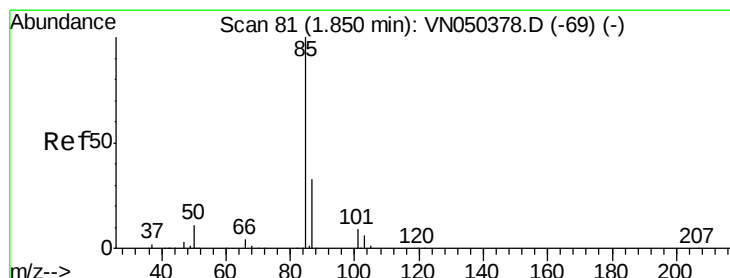
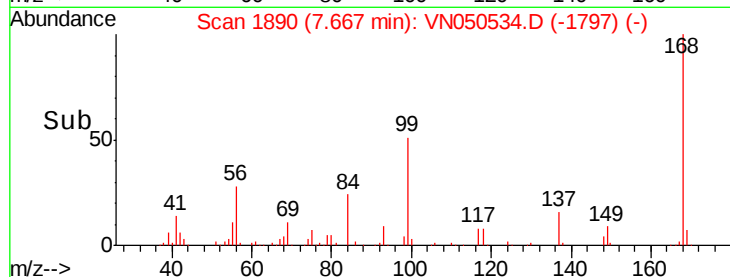
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050534.D

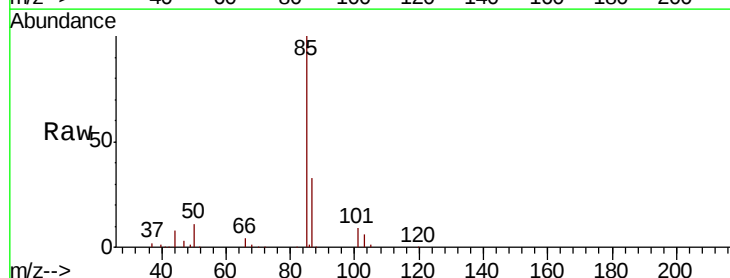
Acq: 10 Aug 2018 22:48

Tgt Ion: 85 Resp: 124852

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

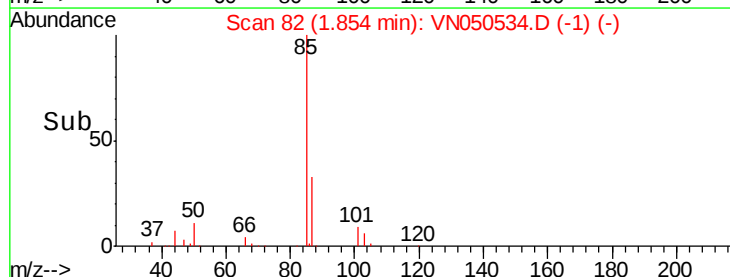
40000

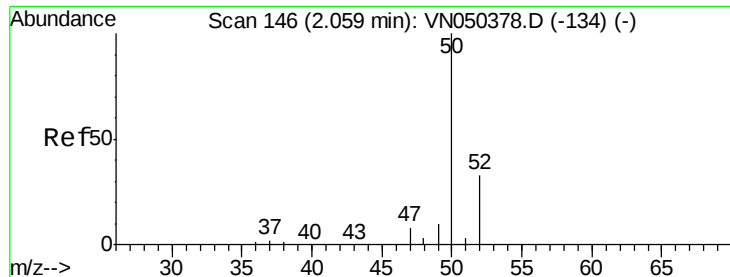
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.86 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

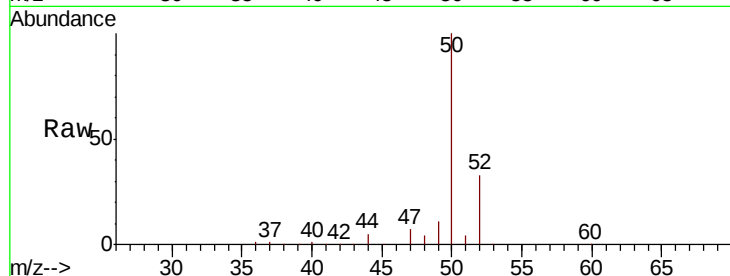
VN0810WBS02

Tot Ion: 50 Resp: 161071

Ion Ratio Lower Upper

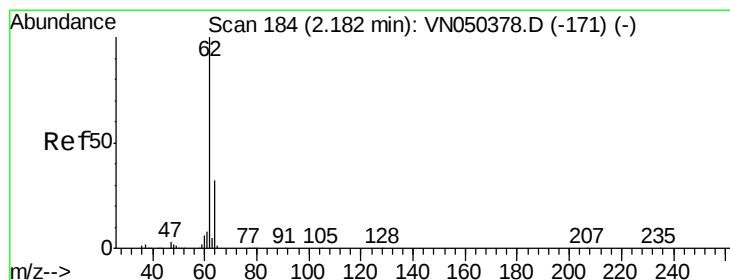
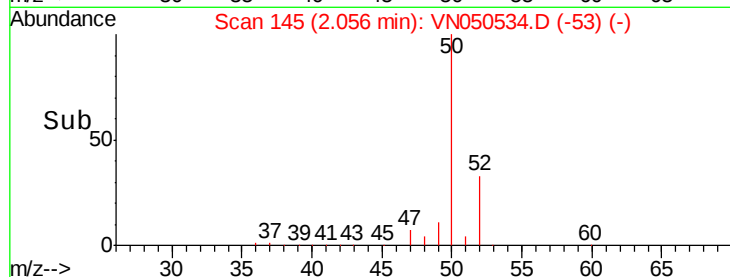
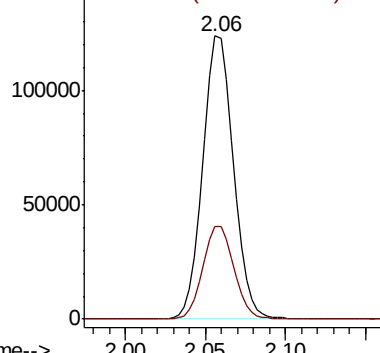
50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050534.D

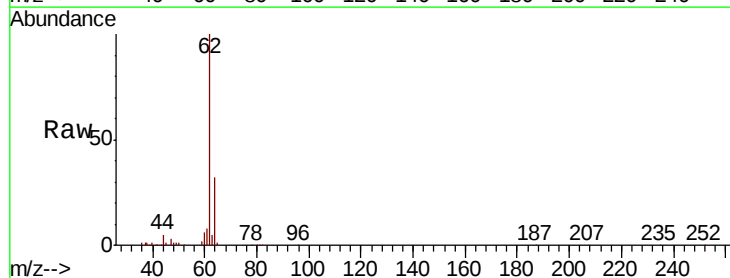
Acq: 10 Aug 2018 22:48

Tgt Ion: 62 Resp: 172223

Ion Ratio Lower Upper

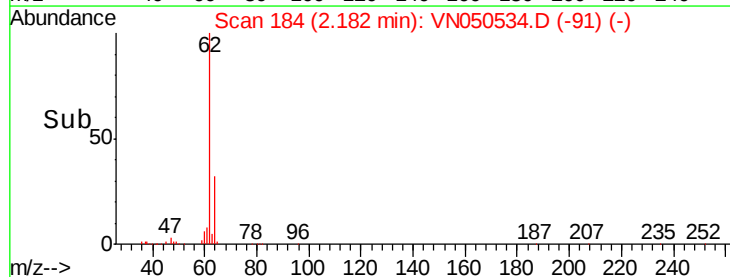
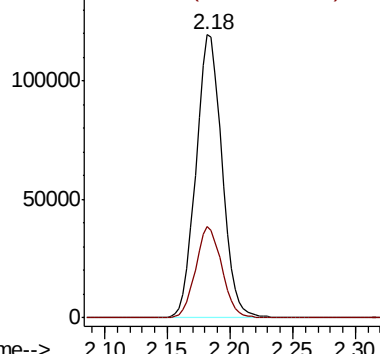
62 100

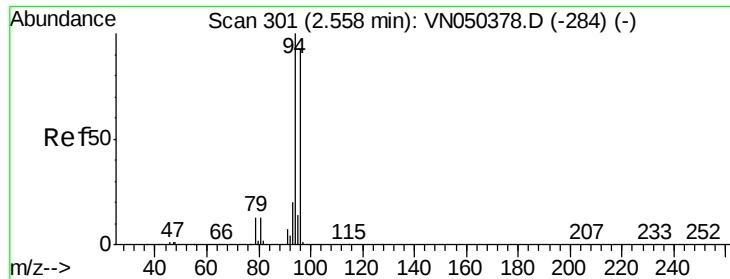
64 32.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 22.35 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

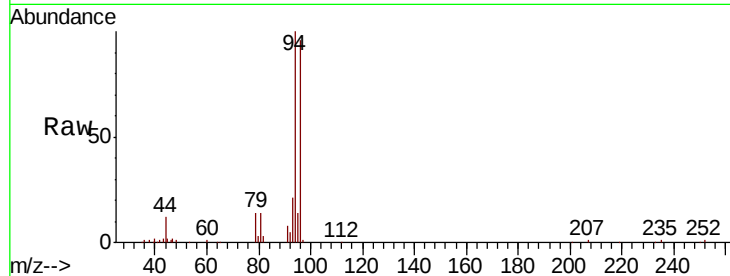
VN0810WBS02

Tot Ion: 94 Resp: 96297

Ion Ratio Lower Upper

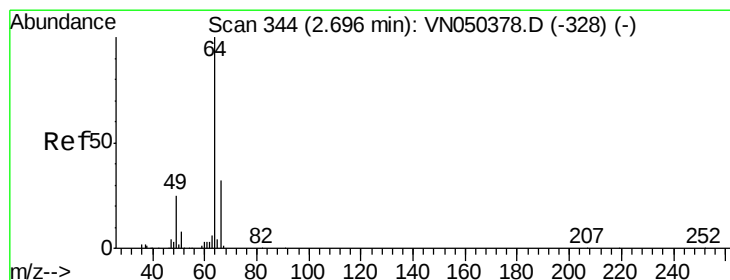
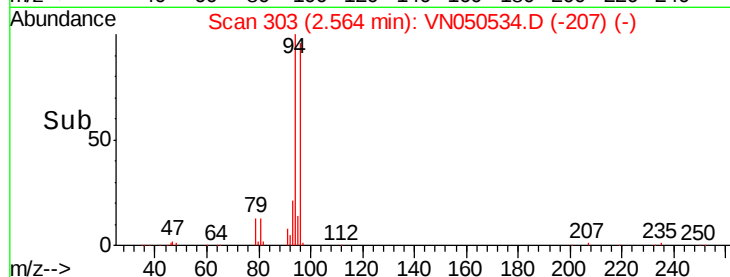
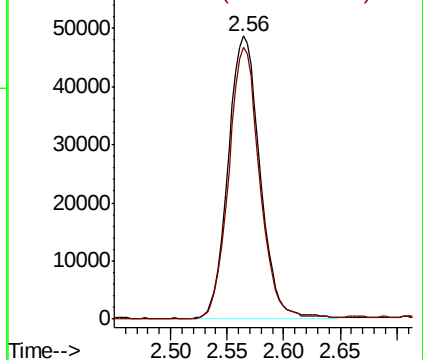
94 100

96 96.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.20 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050534.D

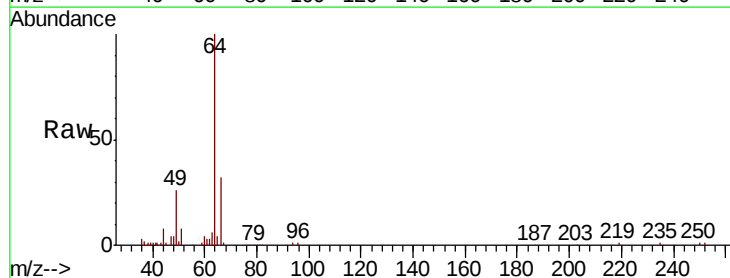
Acq: 10 Aug 2018 22:48

Tgt Ion: 64 Resp: 105572

Ion Ratio Lower Upper

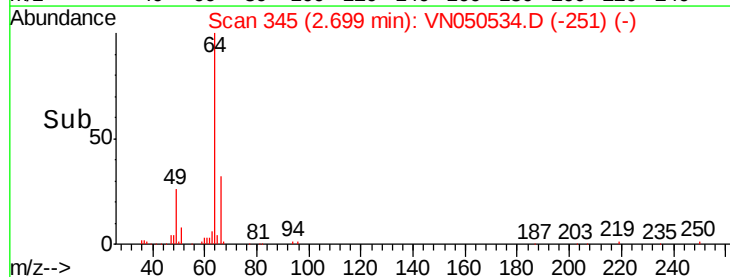
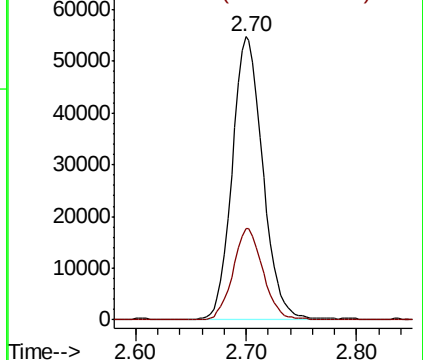
64 100

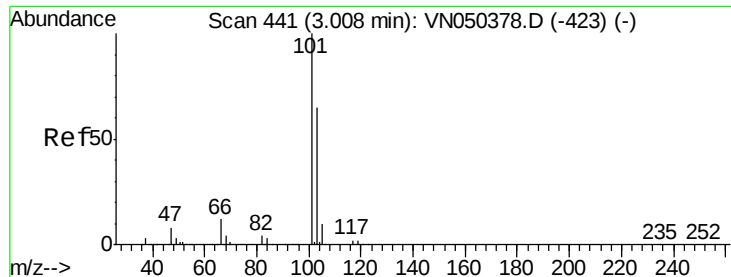
66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.76 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

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ClientSampleId :

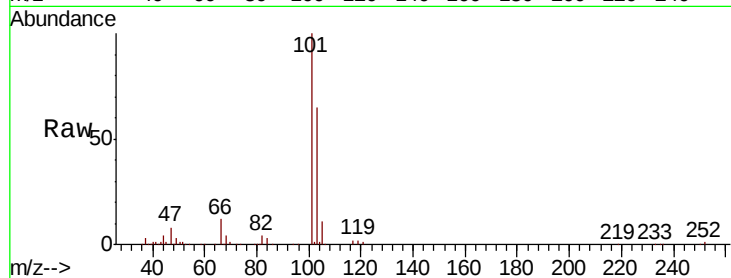
VN0810WBS02

Tot Ion:101 Resp: 227770

Ion Ratio Lower Upper

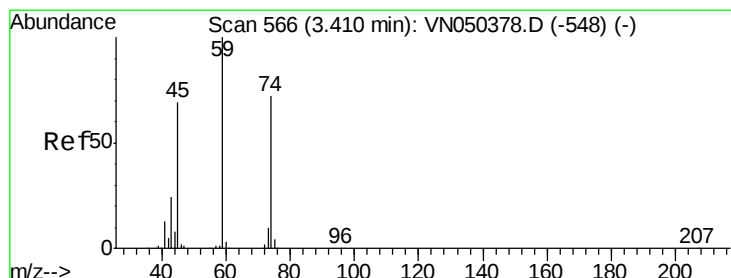
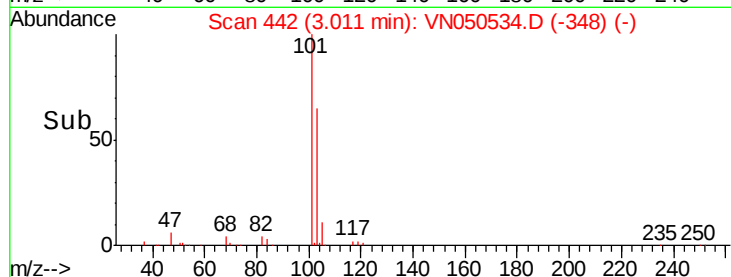
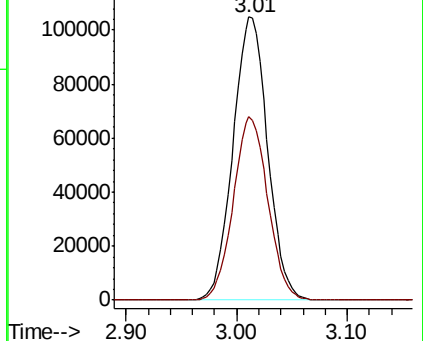
101 100

103 64.7 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.08 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050534.D

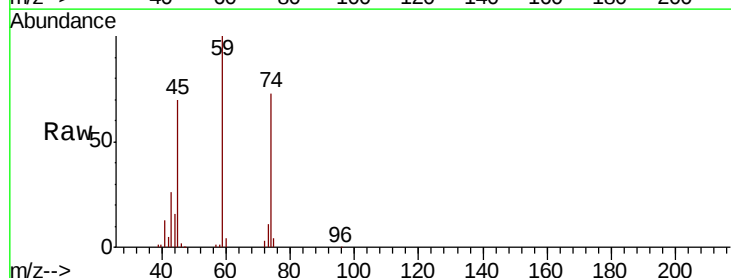
Acq: 10 Aug 2018 22:48

Tgt Ion: 74 Resp: 80650

Ion Ratio Lower Upper

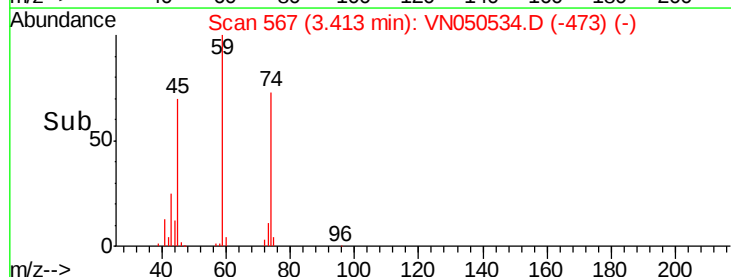
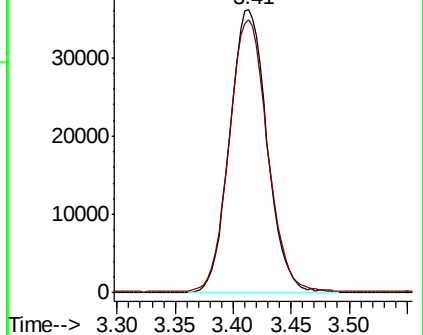
74 100

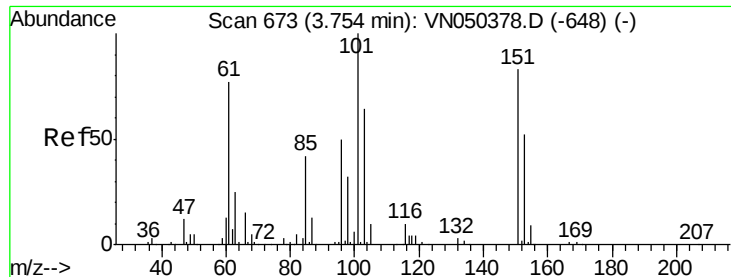
45 98.1 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050534.D

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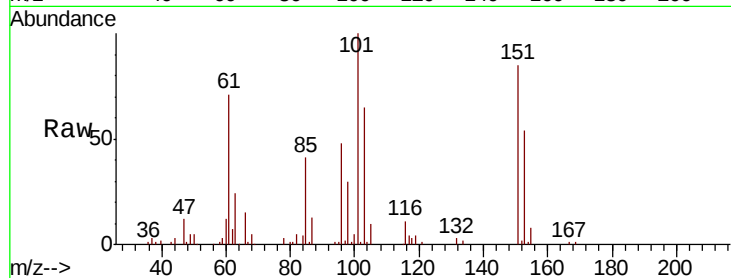
Tot Ion:101 Resp: 141640

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

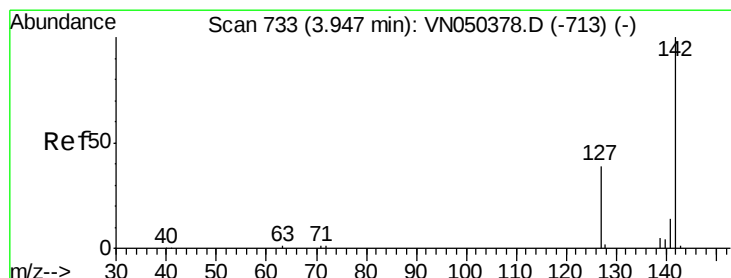
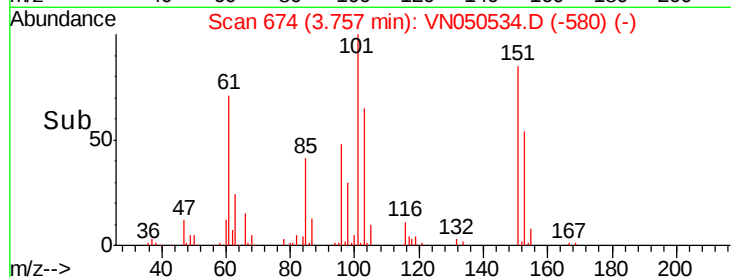
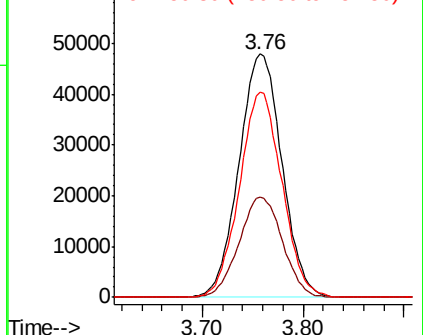
151 83.5 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.89 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

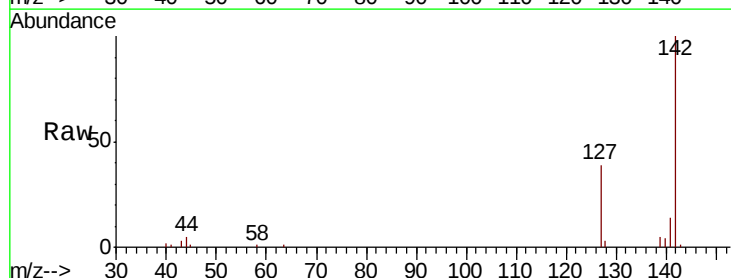
Tgt Ion:142 Resp: 71845

Ion Ratio Lower Upper

142 100

127 39.9 33.4 50.2

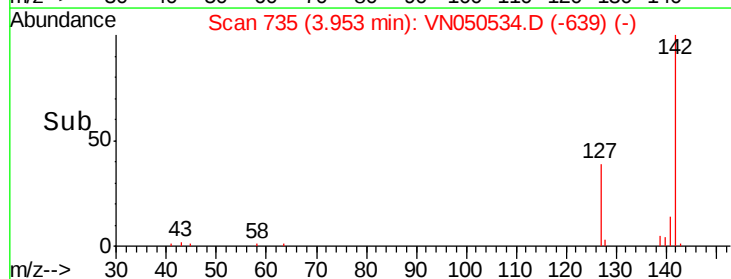
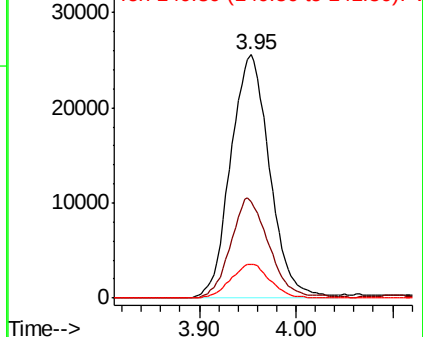
141 14.0 11.6 17.4

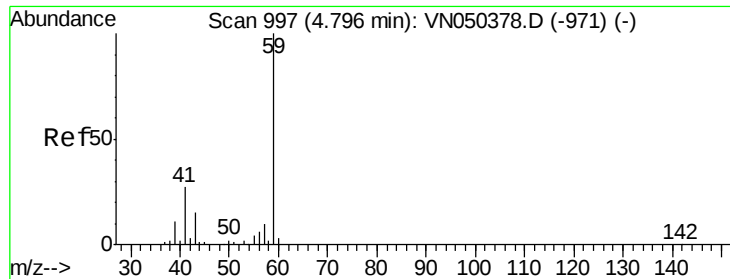


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

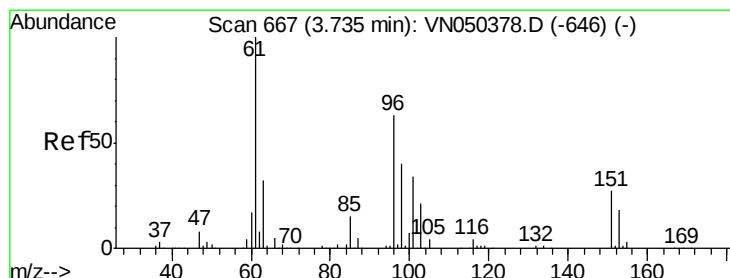
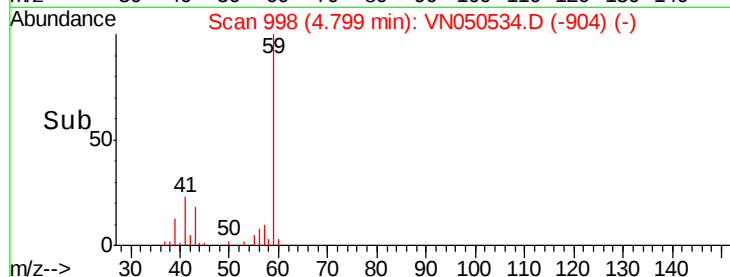
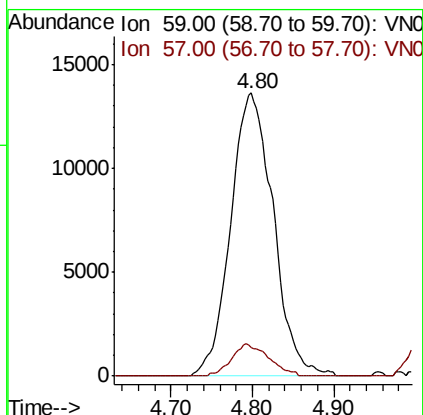
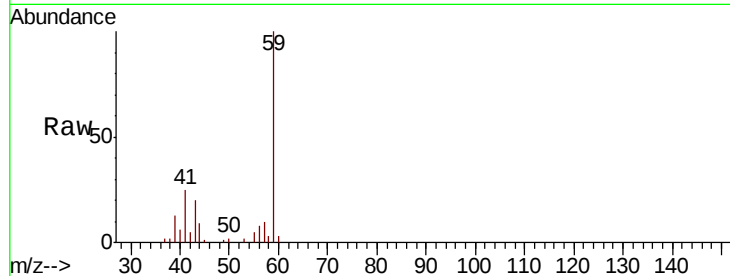




#11
Tert butyl alcohol
Concen: 73.98 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

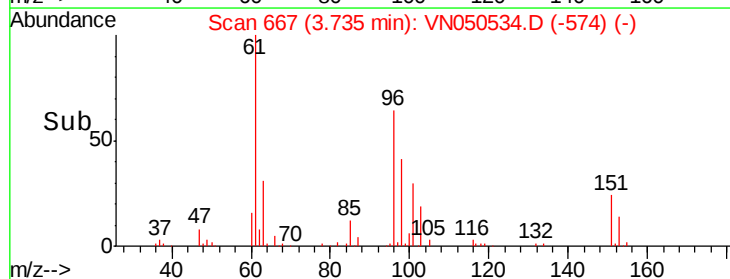
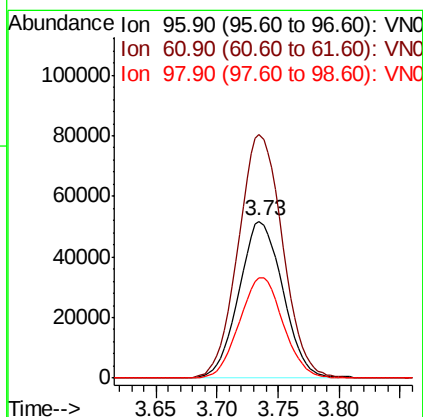
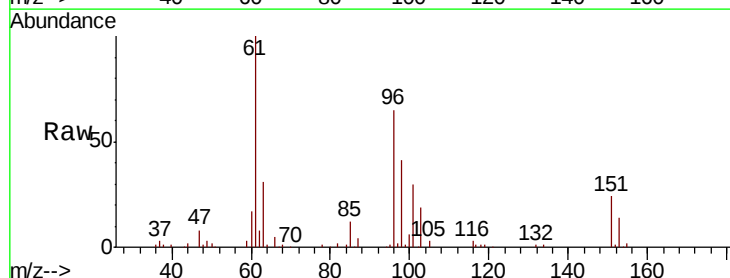
Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

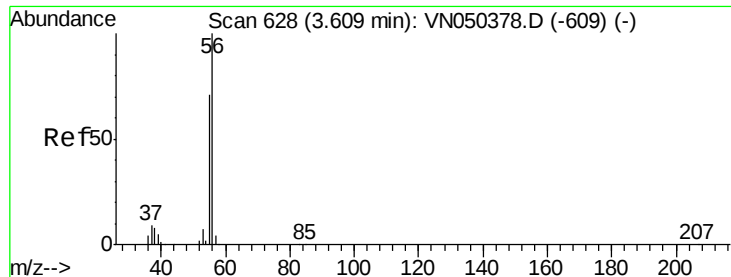
Tot Ion: 59 Resp: 49324
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.19 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 96 Resp: 128884
Ion Ratio Lower Upper
96 100
61 155.0 124.4 186.6
98 63.9 48.3 72.5





#13

Acrolein

Concen: 52.95 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

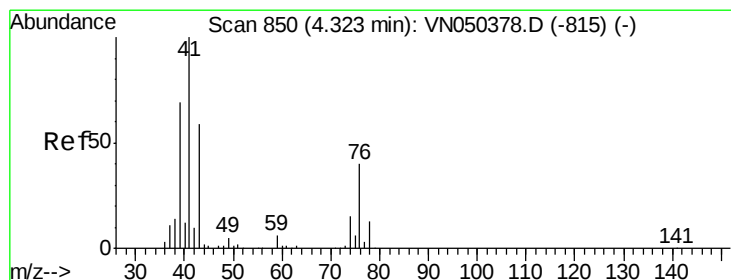
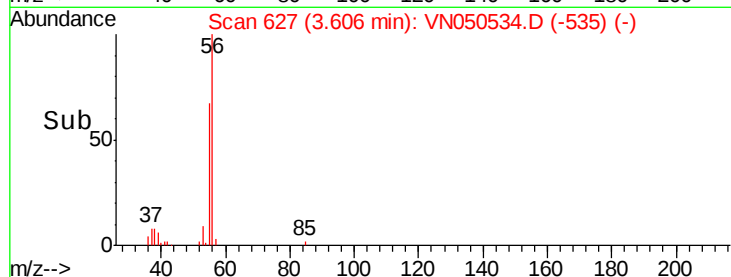
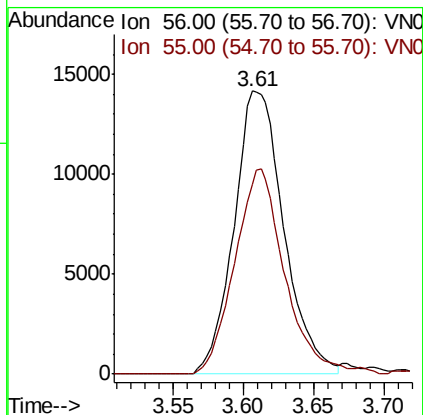
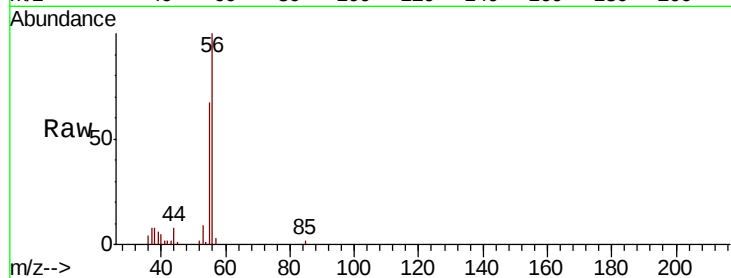
VN0810WBS02

Tot Ion: 56 Resp: 34998

Ion Ratio Lower Upper

56 100

55 72.1 55.8 83.6



#14

Allyl chloride

Concen: 18.20 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

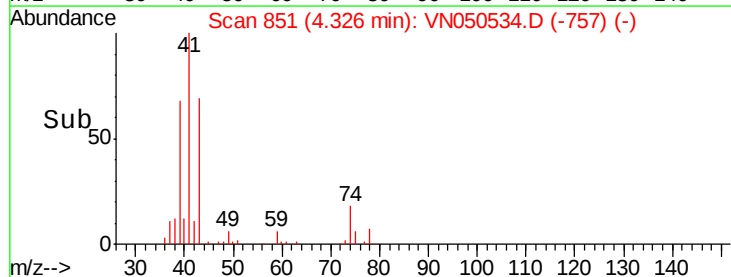
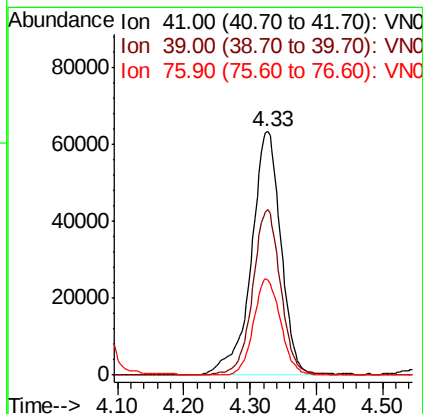
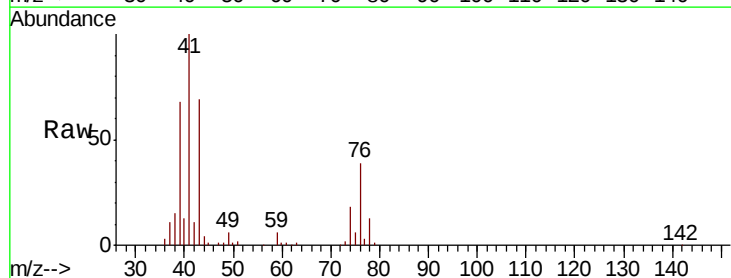
Tgt Ion: 41 Resp: 196243

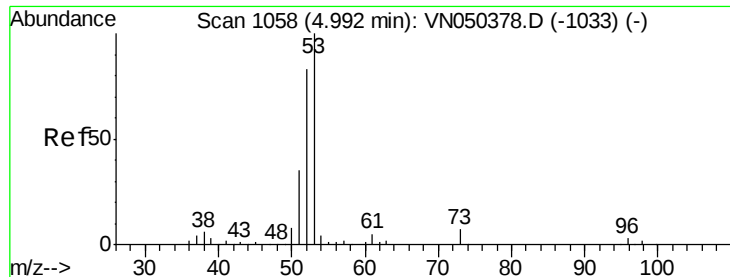
Ion Ratio Lower Upper

41 100

39 63.9 54.2 81.4

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 88.57 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

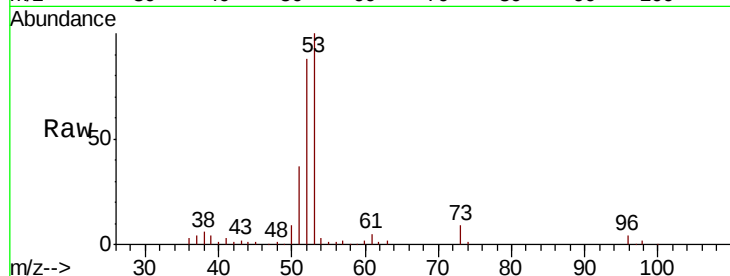
Tot Ion: 53 Resp: 247367

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.2

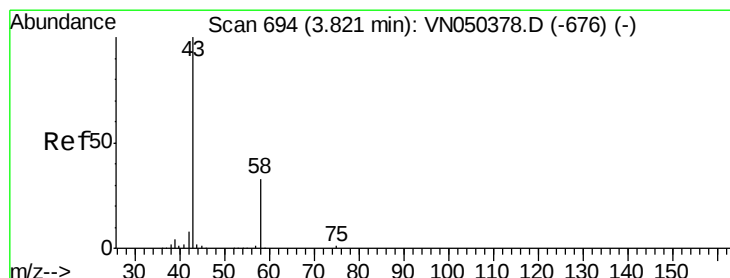
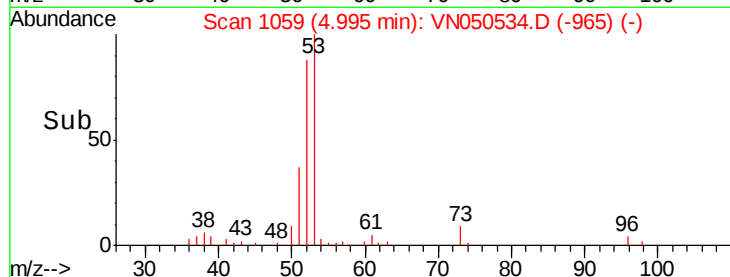
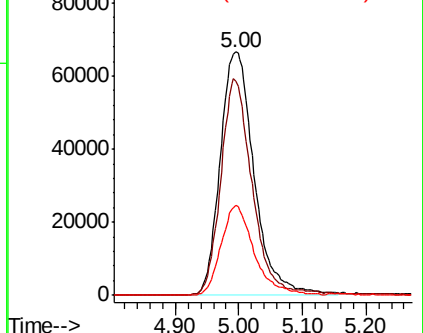
51 35.9 29.3 43.9



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: 88.81 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050534.D

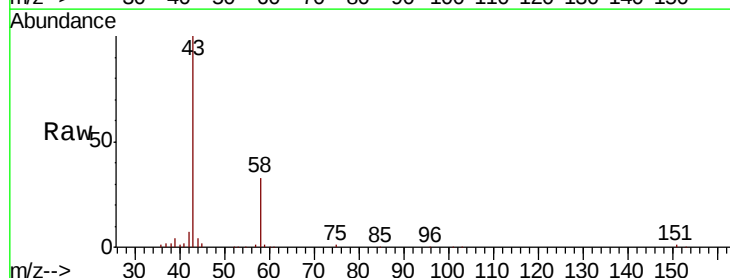
Acq: 10 Aug 2018 22:48

Tgt Ion: 43 Resp: 220388

Ion Ratio Lower Upper

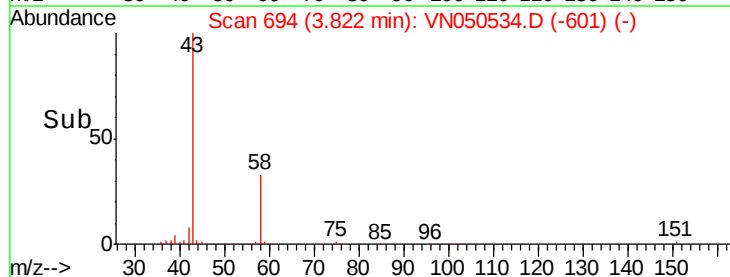
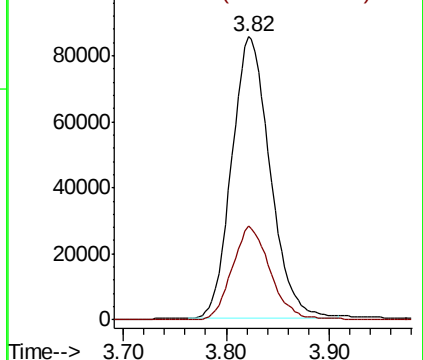
43 100

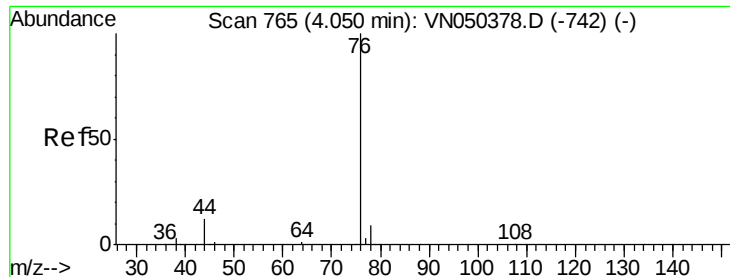
58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

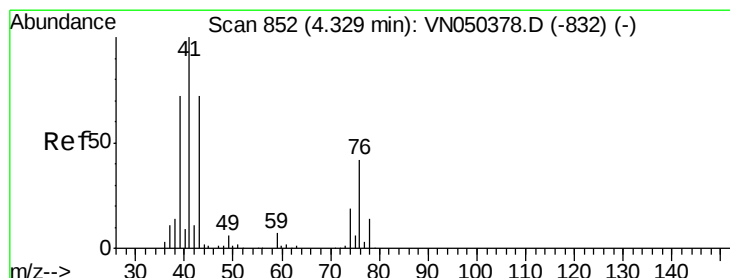
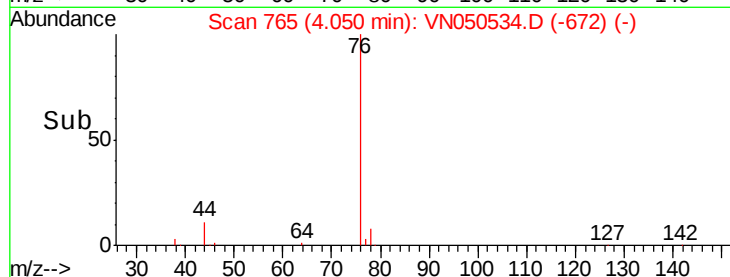
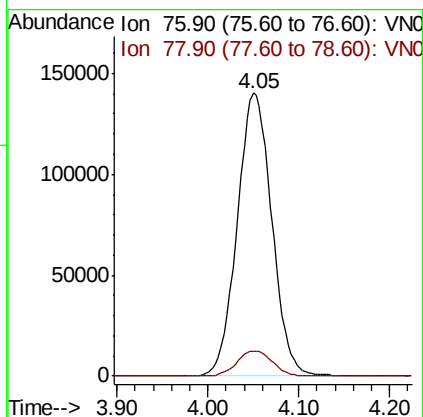
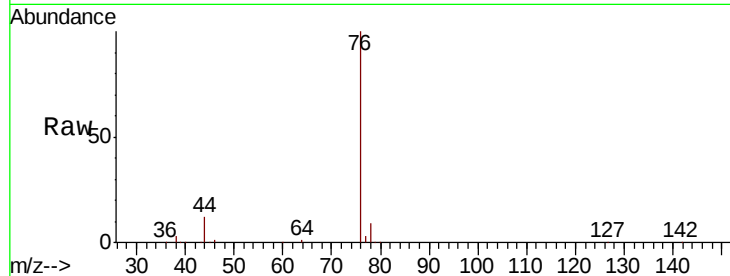




#17
Carbon Disulfide
Concen: 16.97 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

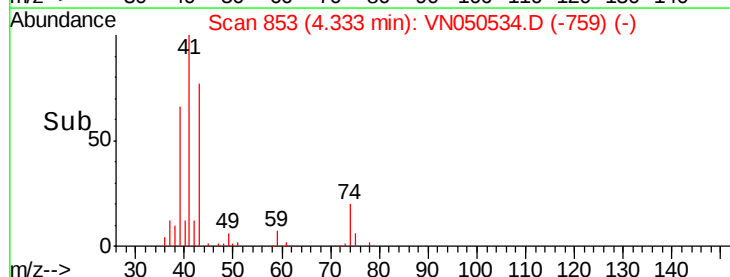
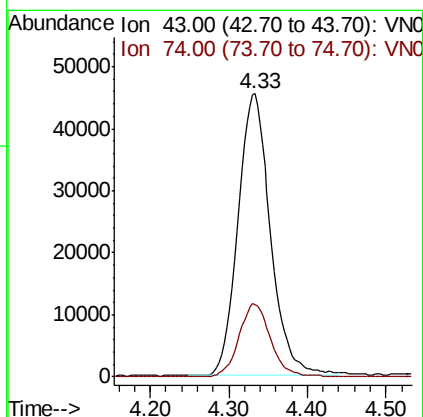
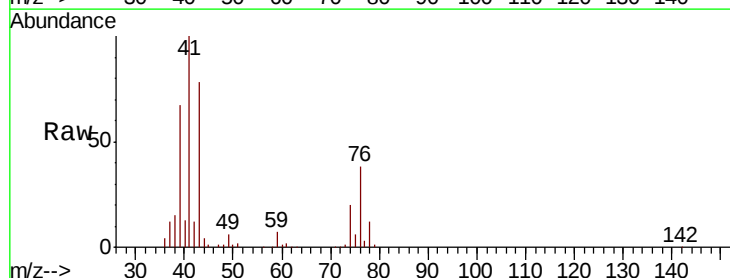
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

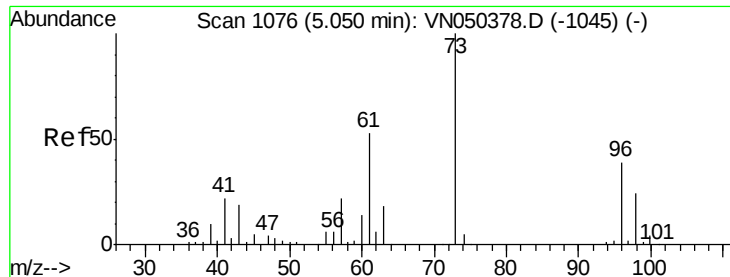
Tot Ion: 76 Resp: 370483
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 20.42 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 43 Resp: 132079
Ion Ratio Lower Upper
43 100
74 25.2 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 18.68 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleID :

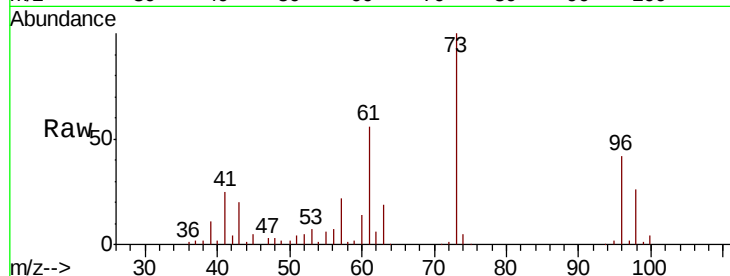
VN0810WBS02

Tot Ion: 73 Resp: 356144

Ion Ratio Lower Upper

73 100

57 22.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN050378.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN050378.D (-1045) (-)

5.05

100000

80000

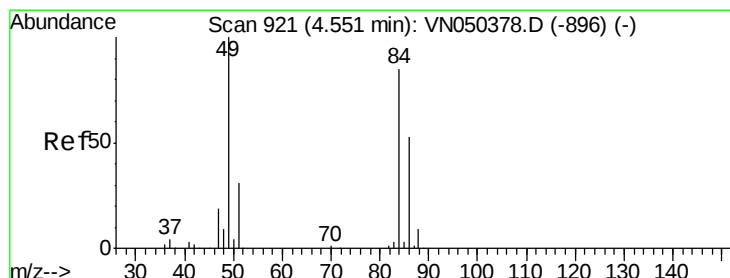
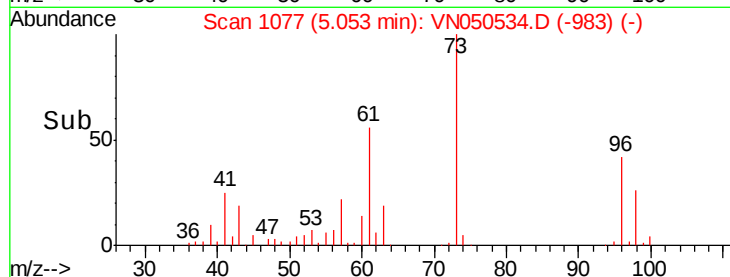
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 19.50 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion: 84 Resp: 154743

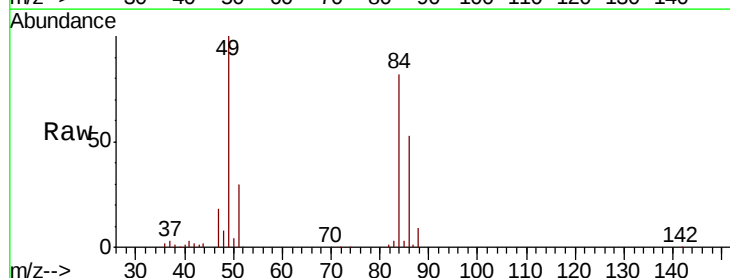
Ion Ratio Lower Upper

84 100

49 121.5 94.8 142.2

51 36.4 28.3 42.5

86 64.0 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN050378.D (-896) (-)

Ion 48.90 (48.60 to 49.60): VN050378.D (-896) (-)

Ion 50.90 (50.60 to 51.60): VN050378.D (-896) (-)

Ion 85.90 (85.60 to 86.60): VN050378.D (-896) (-)

4.55

80000

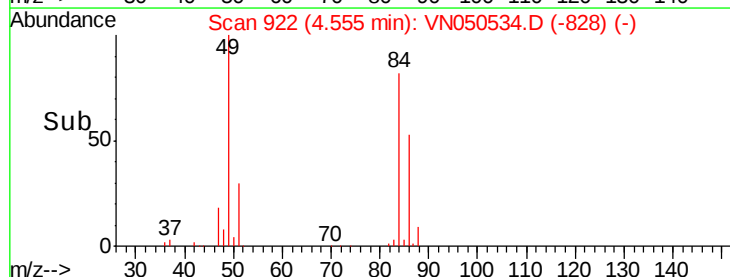
60000

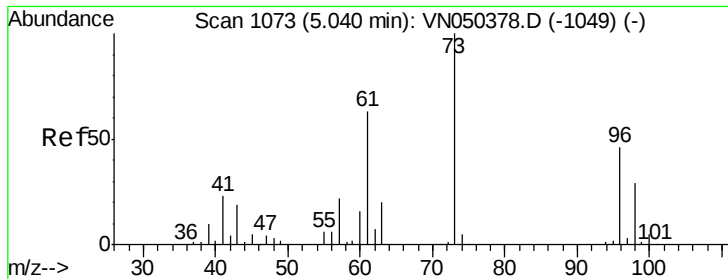
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

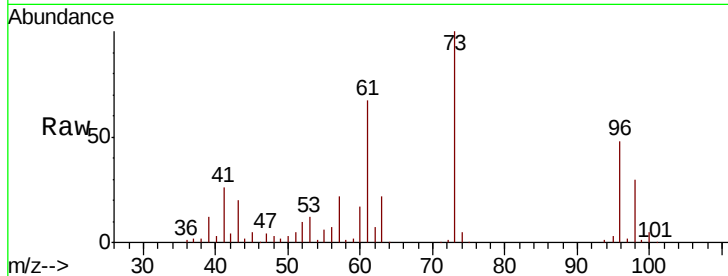
Tot Ion: 96 Resp: 141044

Ion Ratio Lower Upper

96 100

61 140.1 110.7 166.1

98 63.4 51.6 77.4

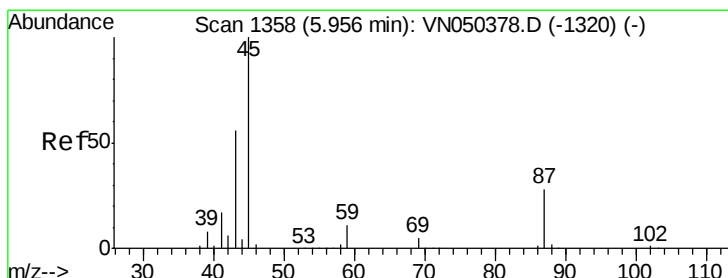
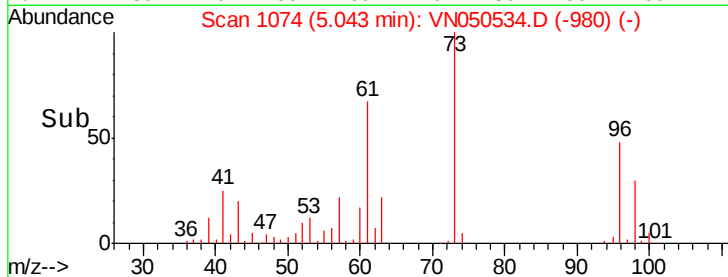
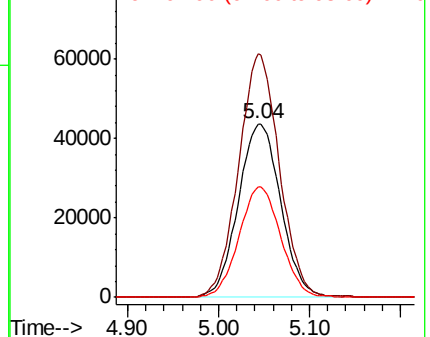


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.37 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion: 45 Resp: 448719

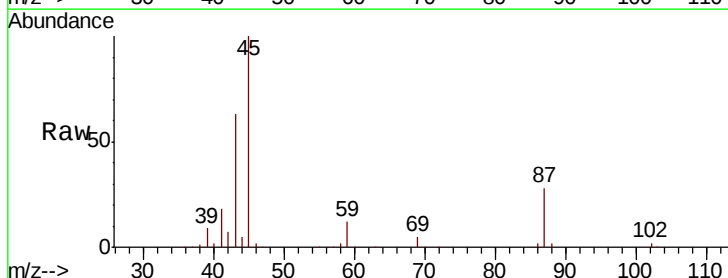
Ion Ratio Lower Upper

45 100

43 61.0 45.7 68.5

87 27.8 22.7 34.1

59 11.9 9.5 14.3



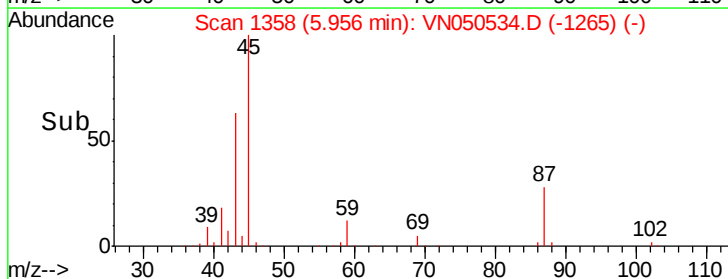
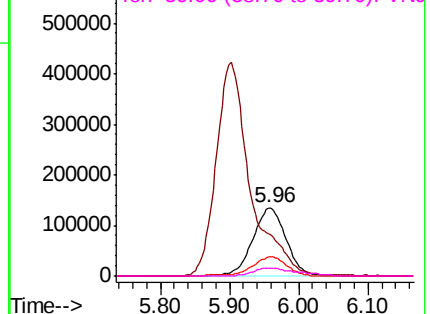
Abundance

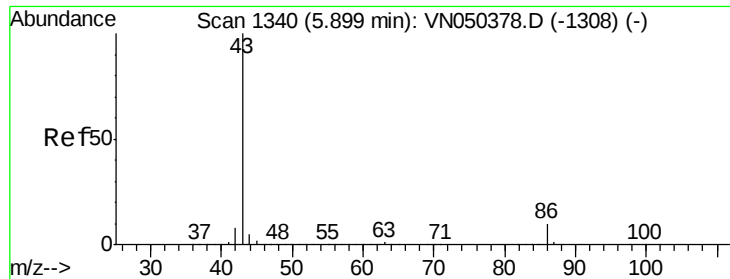
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

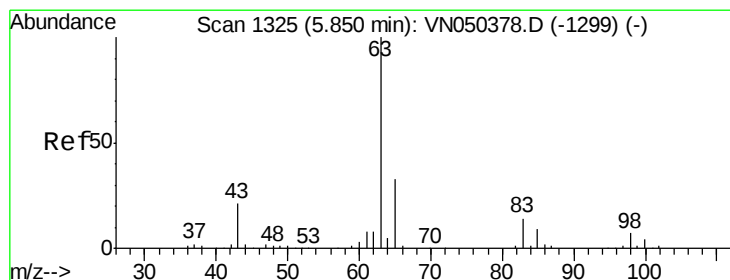
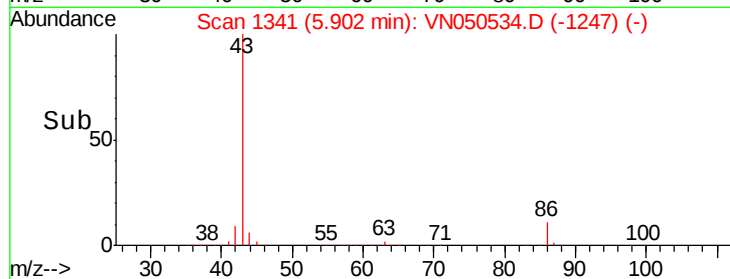
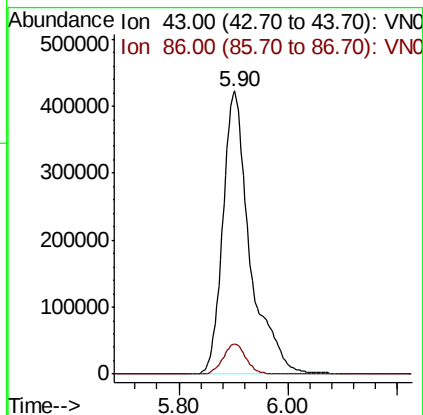
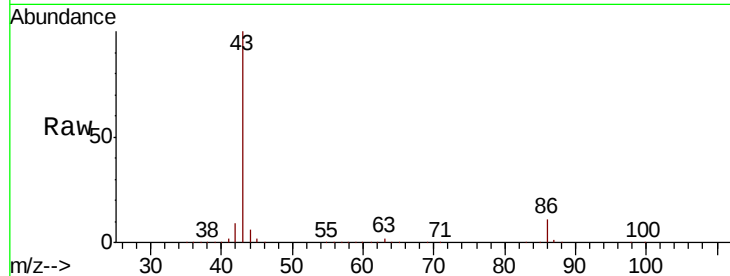




#23
 Vinyl Acetate
 Concen: 92.66 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

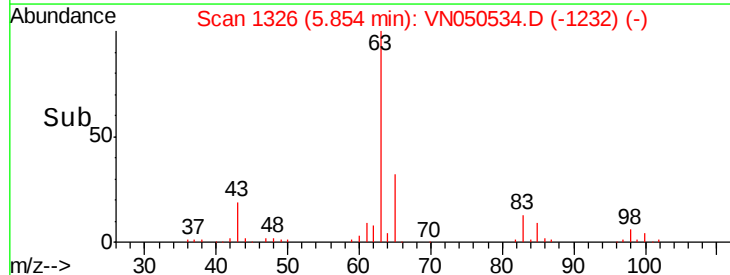
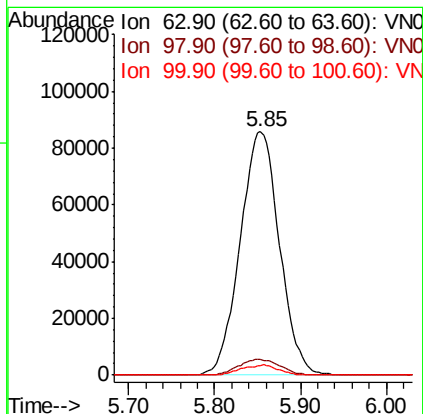
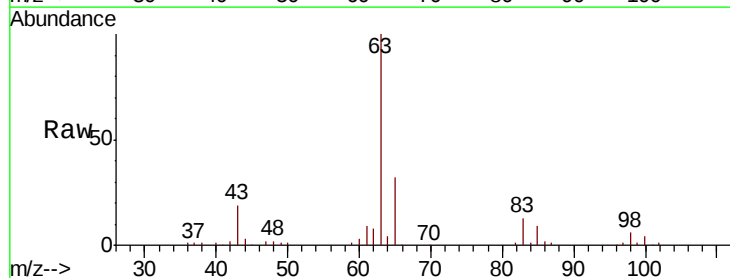
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

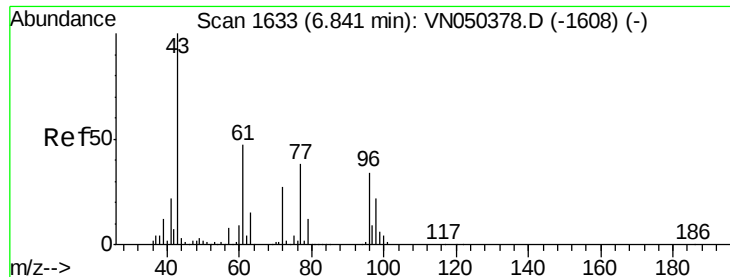
Tot Ion: 43 Resp: 1456583
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.13 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 63 Resp: 272163
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.0 2.1 6.3

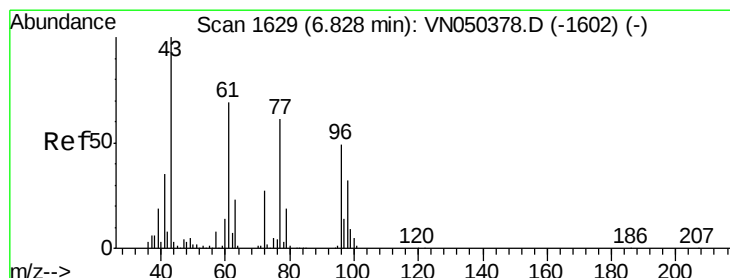
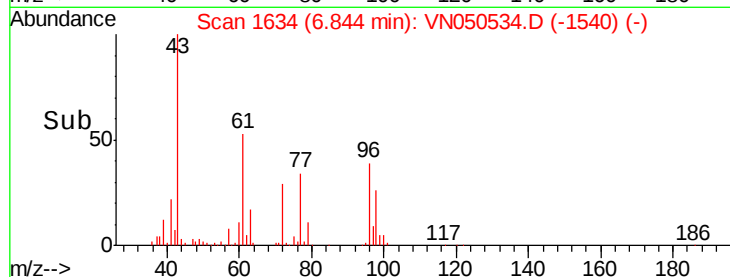
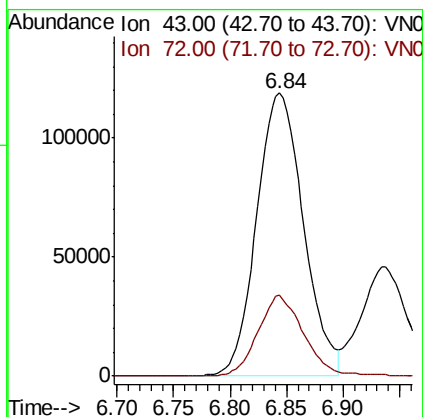
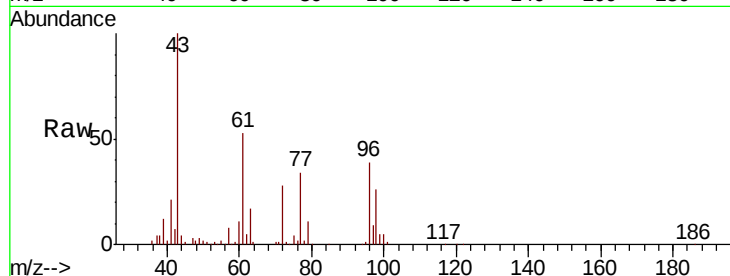




#25
2-Butanone
Concen: 83.22 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

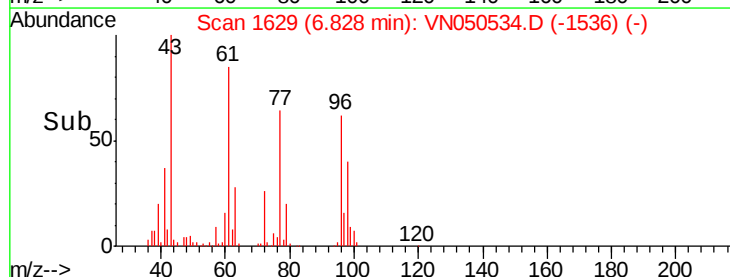
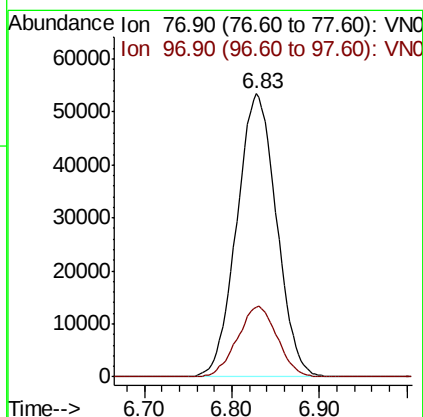
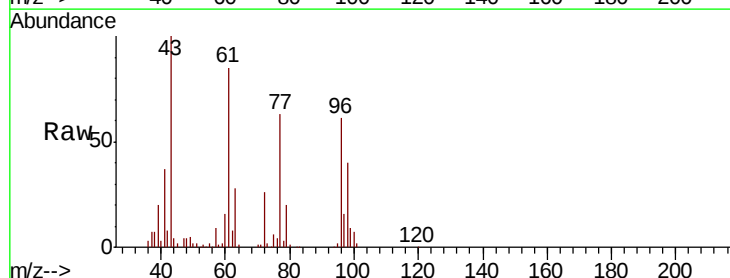
Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

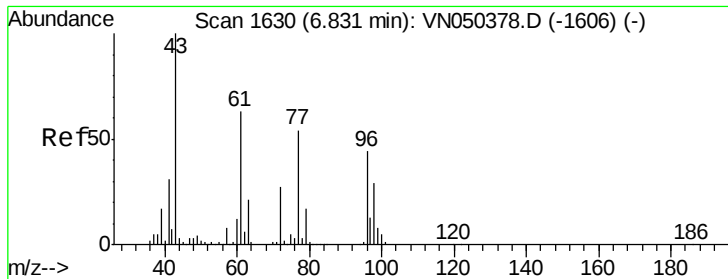
Tot Ion: 43 Resp: 342272
Ion Ratio Lower Upper
43 100
72 28.5 21.5 32.3



#26
2,2-Dichloropropane
Concen: 15.11 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 77 Resp: 168439
Ion Ratio Lower Upper
77 100
97 24.9 11.8 35.3

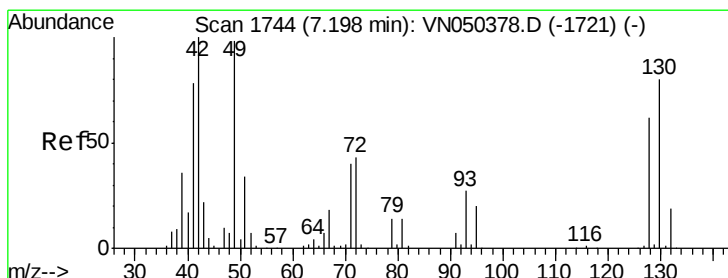
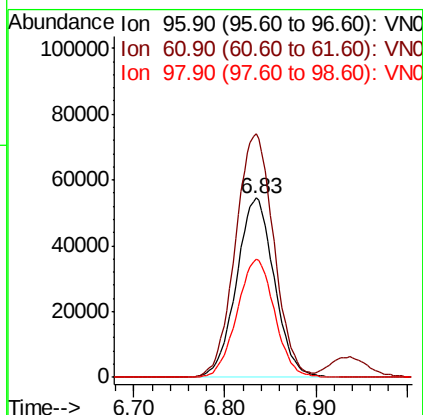
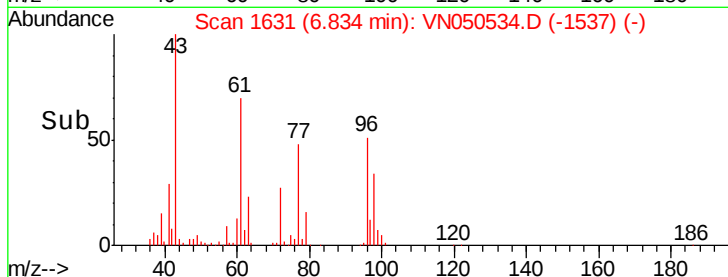
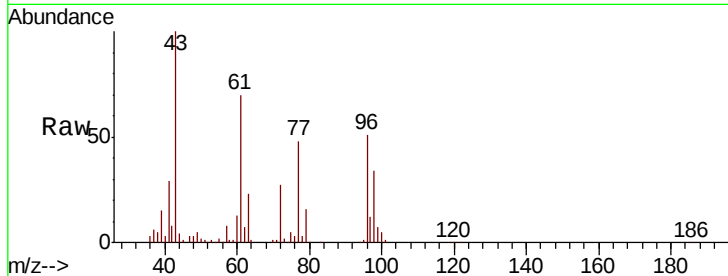




#27
 cis-1,2-Dichloroethene
 Concen: 19.54 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

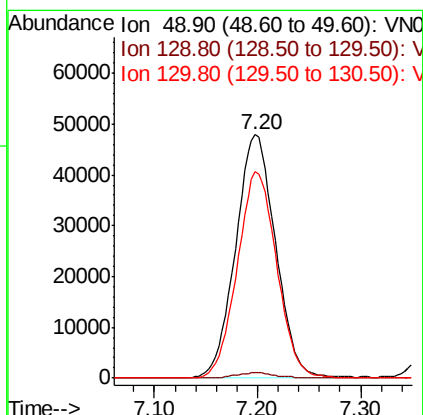
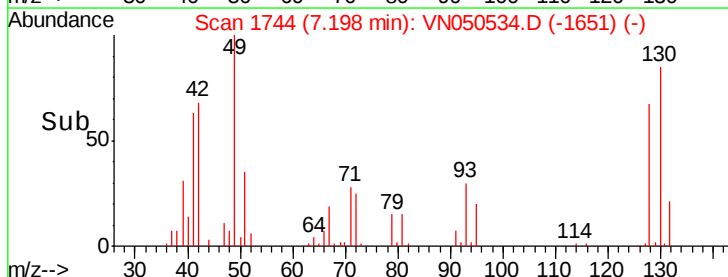
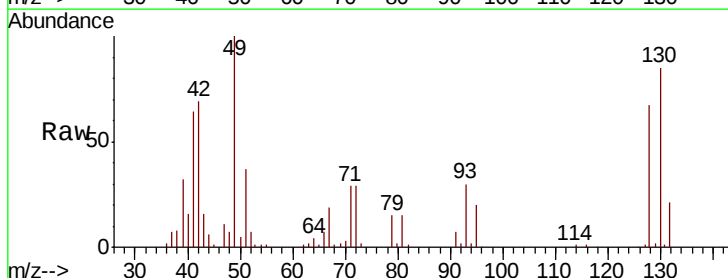
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

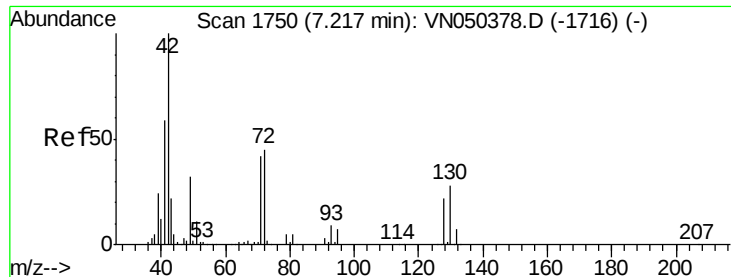
Tot Ion: 96 Resp: 157390
 Ion Ratio Lower Upper
 96 100
 61 137.8 0.0 285.0
 98 65.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 20.77 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 49 Resp: 129265
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 83.8 66.3 99.5





#29

Tetrahydrofuran

Concen: 83.94 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

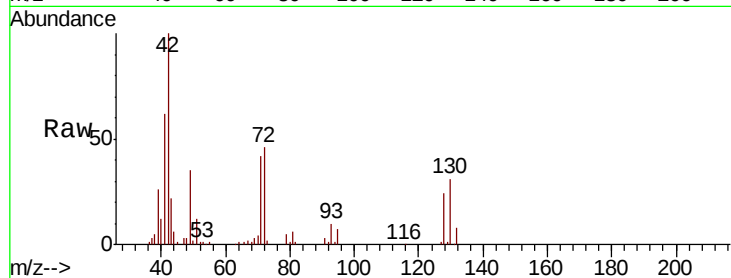
Tot Ion: 42 Resp: 184771

Ion Ratio Lower Upper

42 100

72 44.3 35.9 53.9

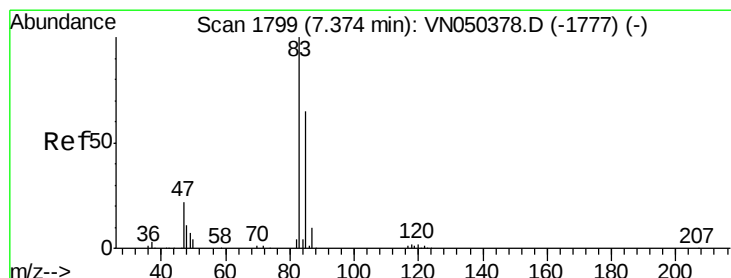
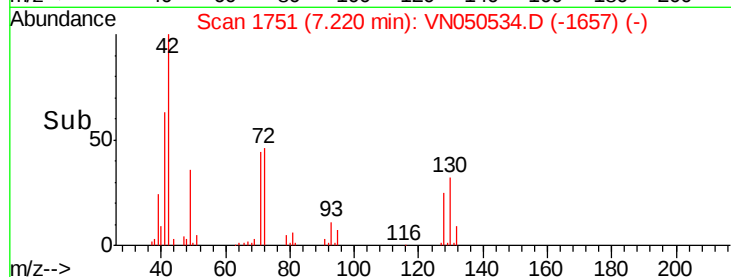
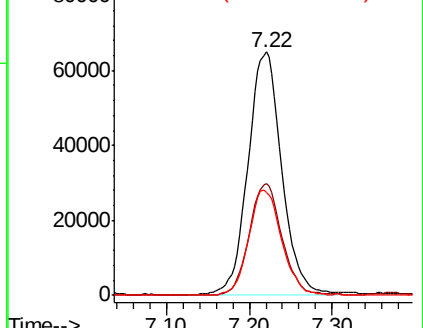
71 41.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.26 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050534.D

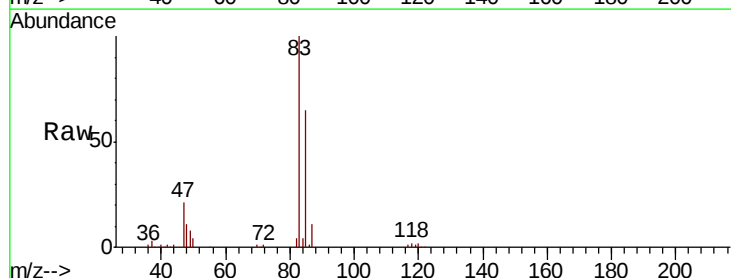
Acq: 10 Aug 2018 22:48

Tgt Ion: 83 Resp: 273761

Ion Ratio Lower Upper

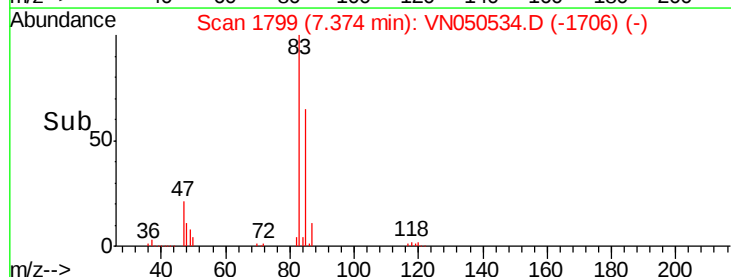
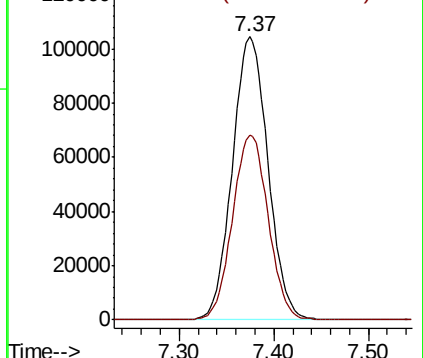
83 100

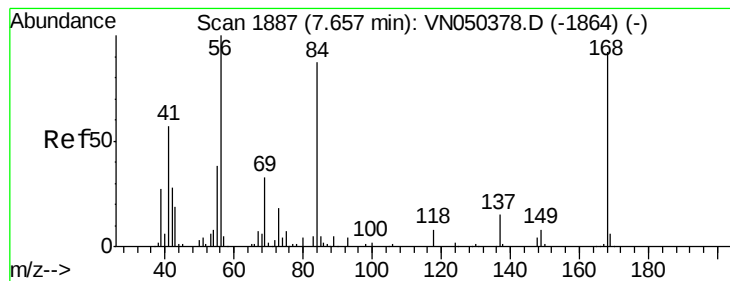
85 65.1 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.33 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

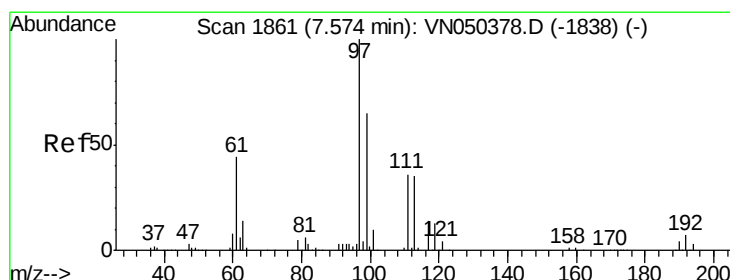
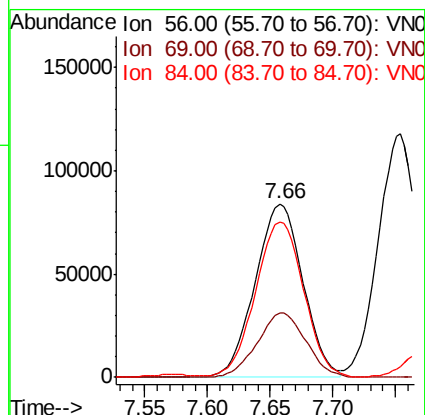
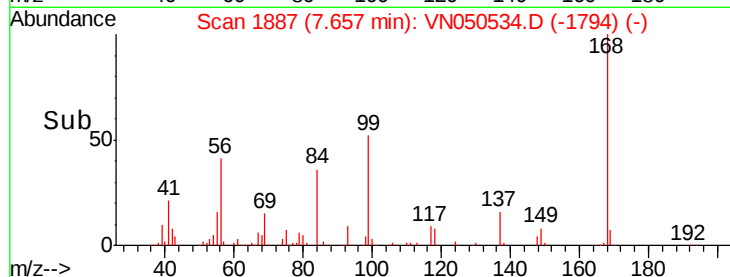
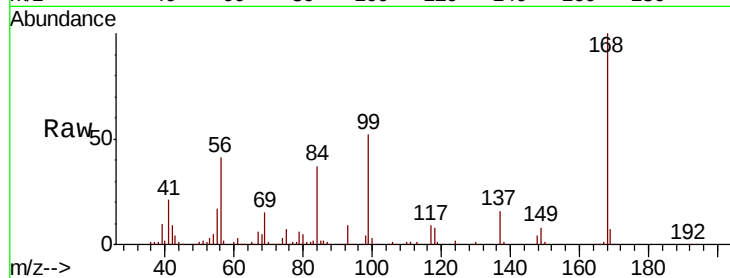
Tot Ion: 56 Resp: 222778

Ion Ratio Lower Upper

56 100

69 37.4 26.2 39.4

84 88.7 67.4 101.0



#32

1,1,1-Trichloroethane

Concen: 19.75 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

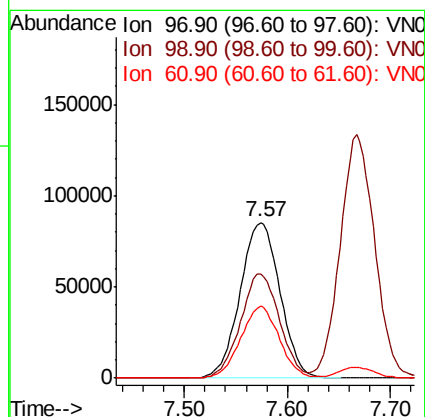
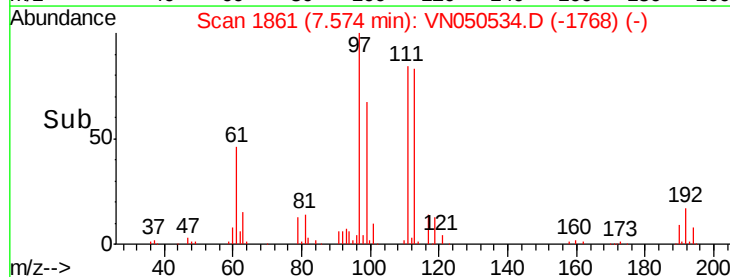
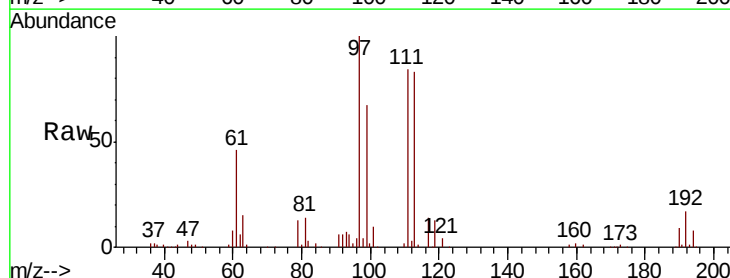
Tgt Ion: 97 Resp: 229248

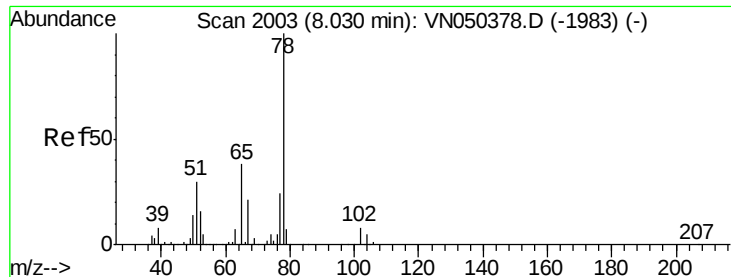
Ion Ratio Lower Upper

97 100

99 65.8 51.4 77.0

61 44.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 48.54 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

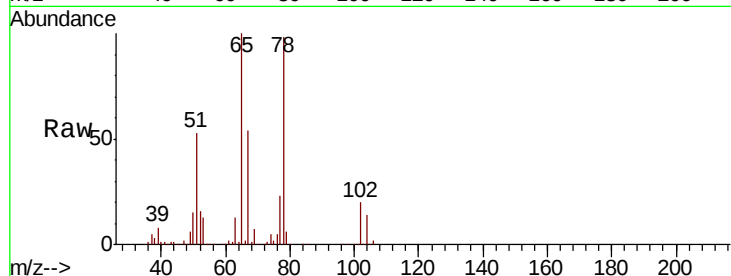
VN0810WBS02

Tot Ion: 65 Resp: 402849

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

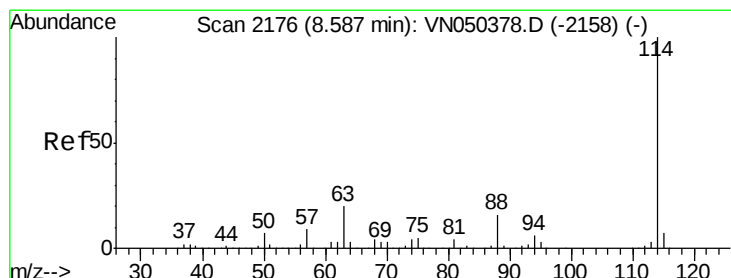
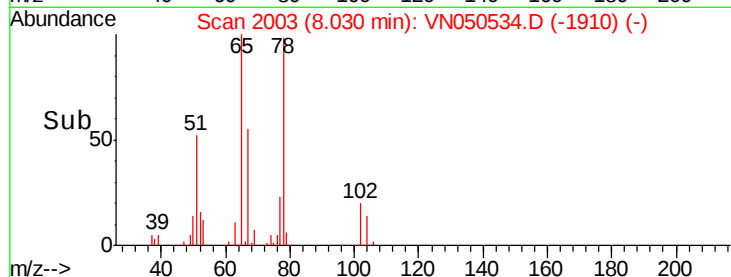
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

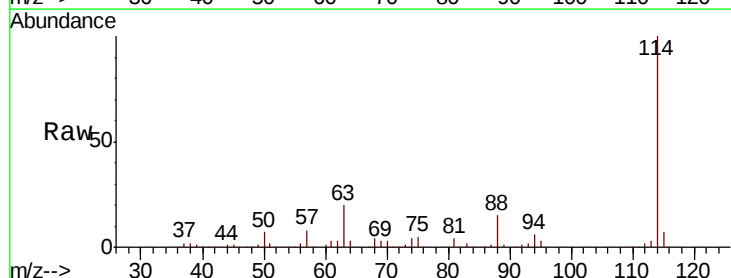
Tgt Ion: 114 Resp: 917831

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 14.9 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

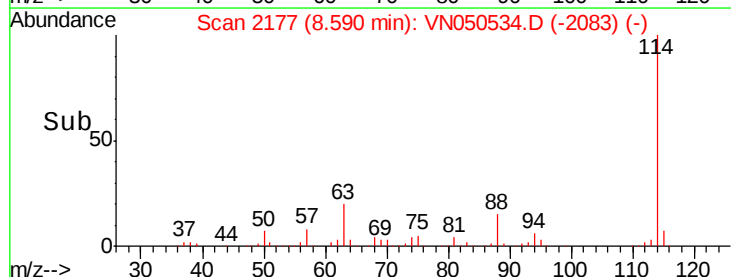
300000

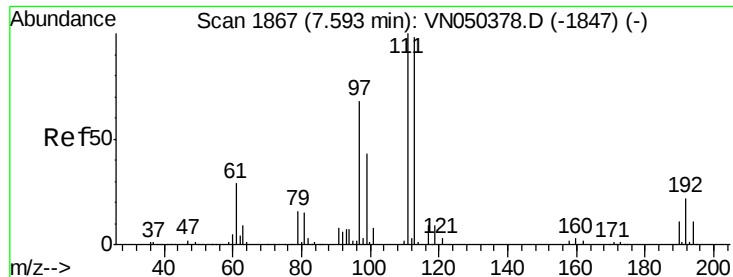
200000

100000

0

Time-->

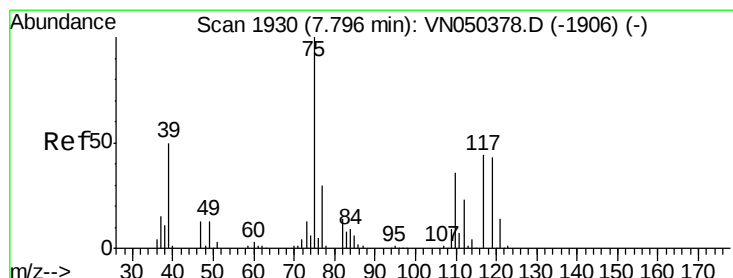
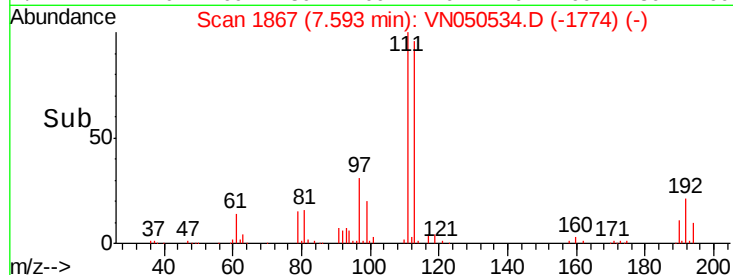
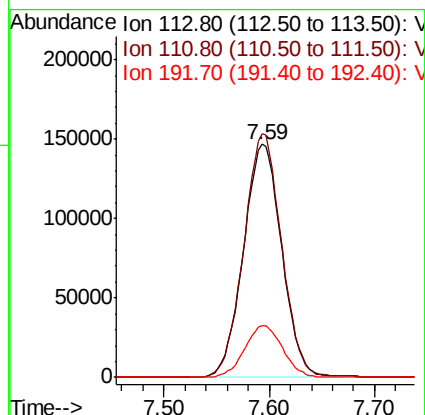
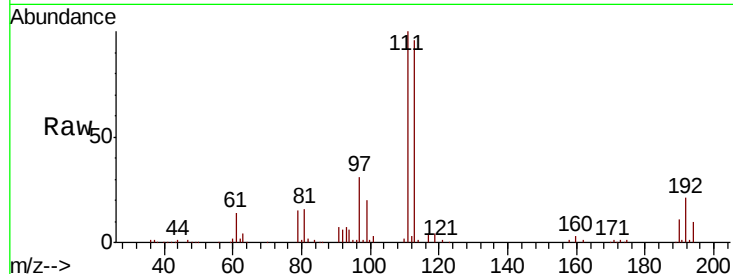




#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

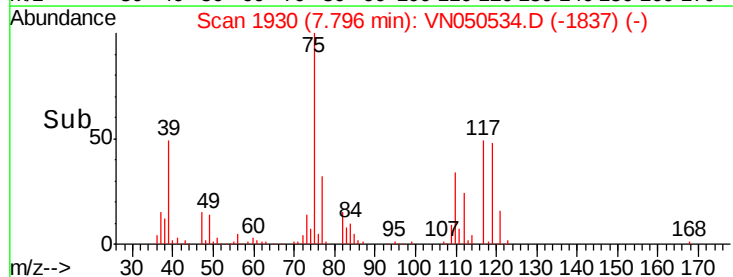
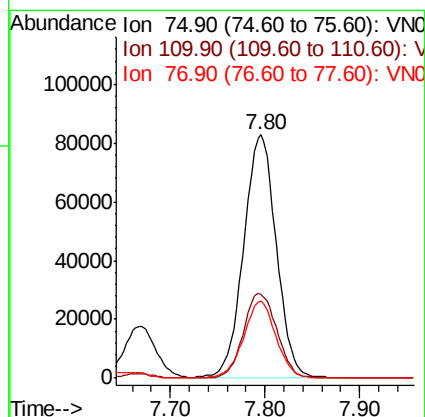
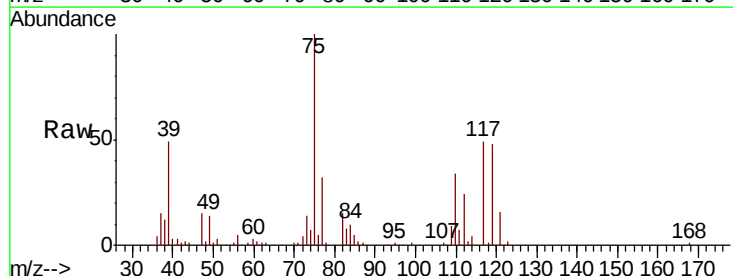
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

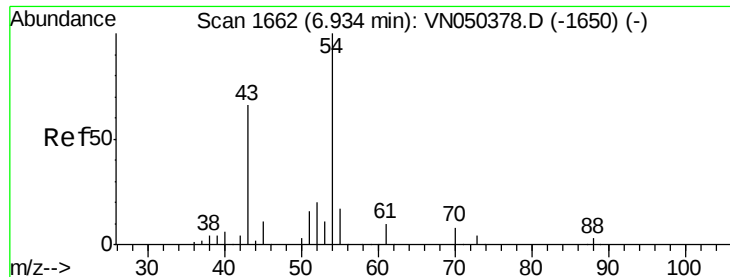
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.59 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.4	55.2
77	31.6	25.3	37.9

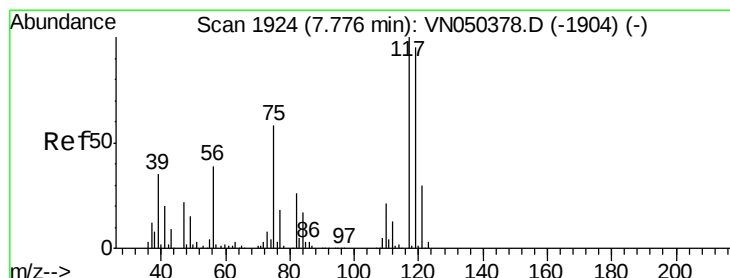
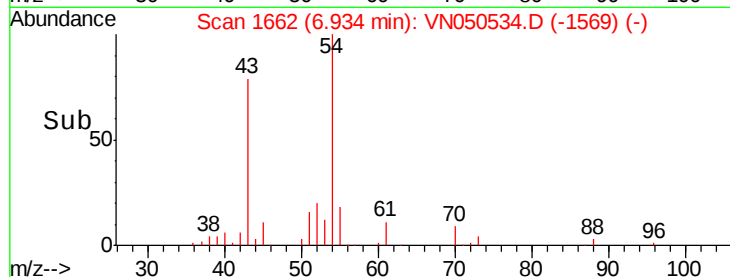
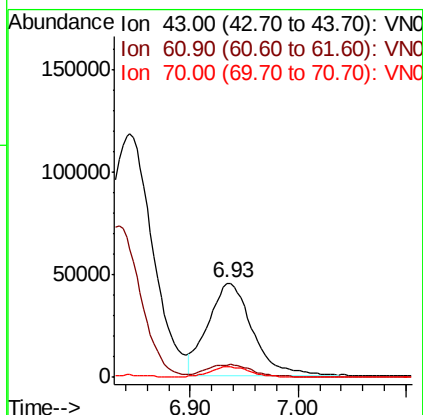
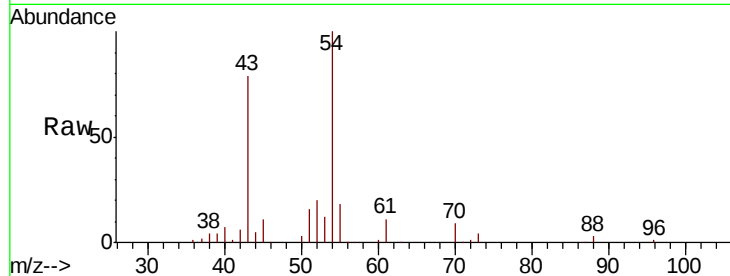




#37
Ethyl Acetate
Concen: 17.79 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

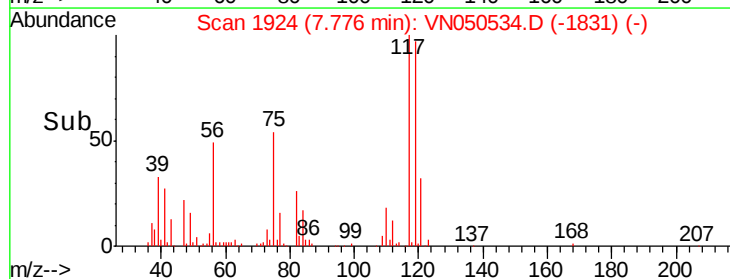
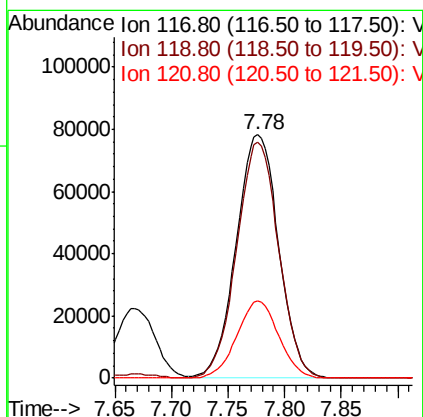
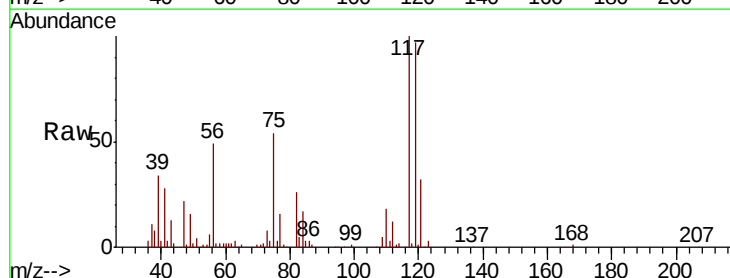
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

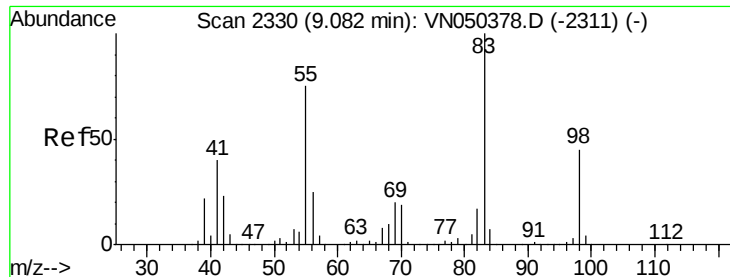
Tot Ion: 43 Resp: 129204
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 117 Resp: 204321
Ion Ratio Lower Upper
117 100
119 97.1 77.4 116.0
121 31.7 23.9 35.9

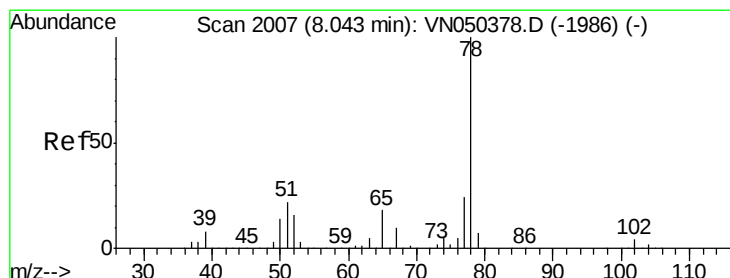
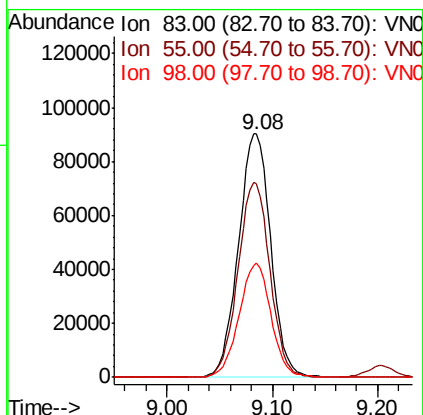
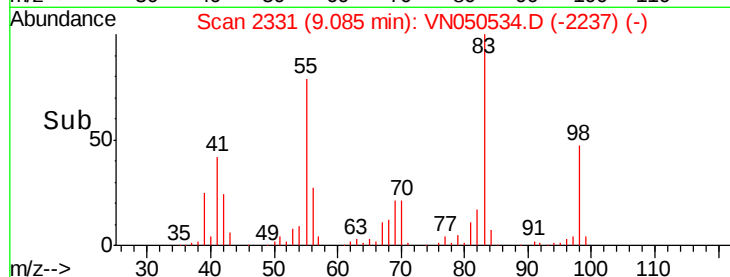
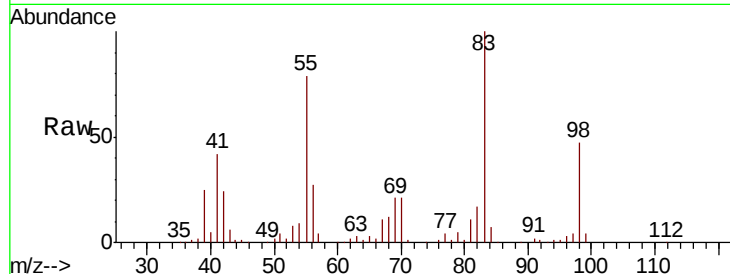




#39
Methylcyclohexane
Concen: 17.42 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

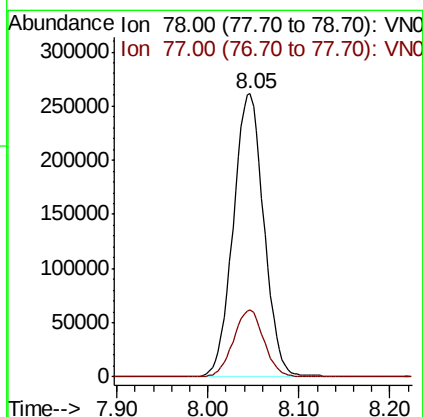
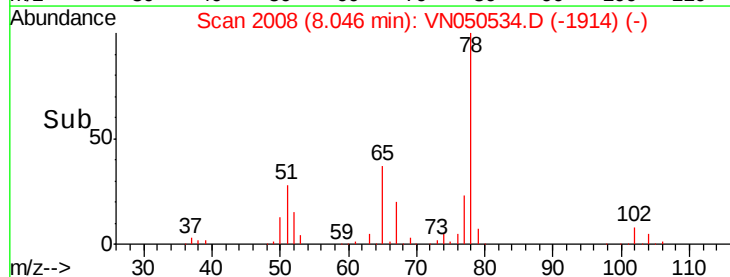
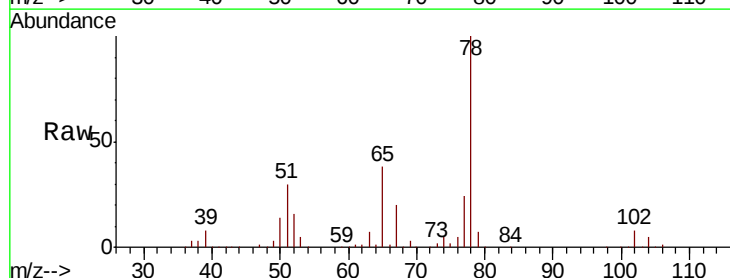
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

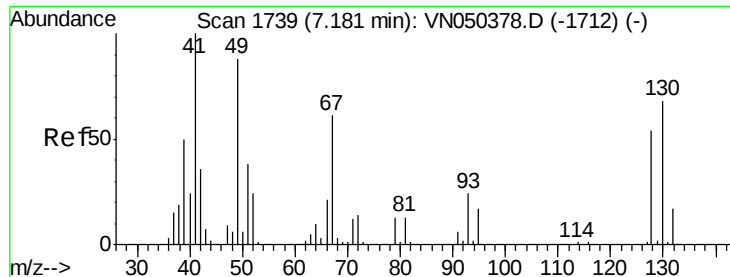
Tot Ion: 83 Resp: 191805
Ion Ratio Lower Upper
83 100
55 79.3 61.8 92.8
98 46.8 36.5 54.7



#40
Benzene
Concen: 19.77 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 78 Resp: 612874
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1





#41

Methacrylonitrile

Concen: 18.03 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 41 Resp: 69631

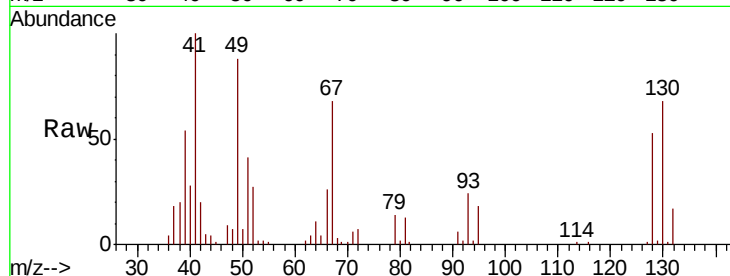
Ion Ratio Lower Upper

41 100

39 44.5 55.8 83.6#

67 79.6 84.3 126.5#

52 31.5 34.2 51.2#



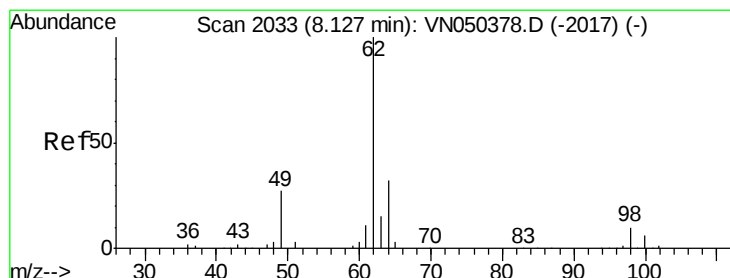
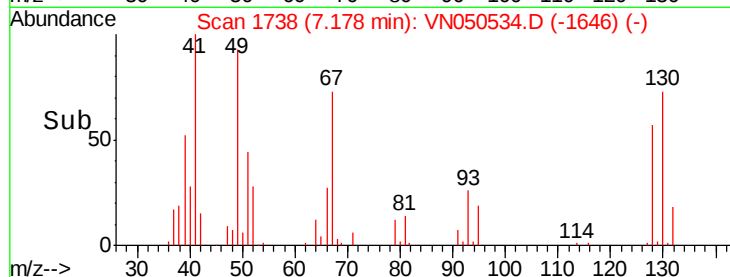
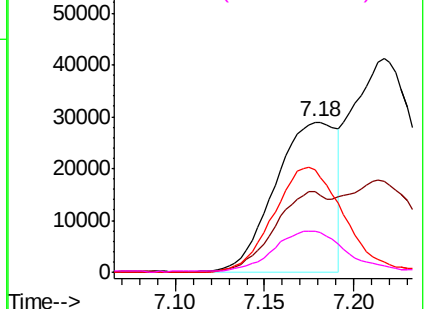
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.78 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN050534.D

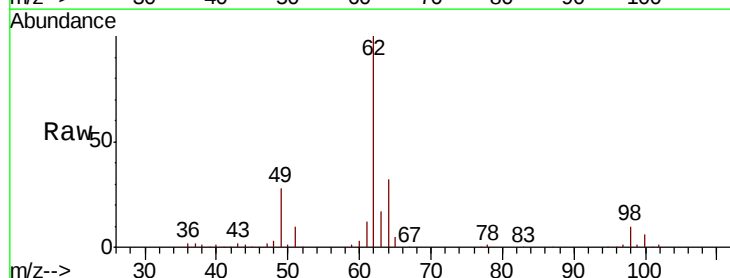
Acq: 10 Aug 2018 22:48

Tgt Ion: 62 Resp: 194689

Ion Ratio Lower Upper

62 100

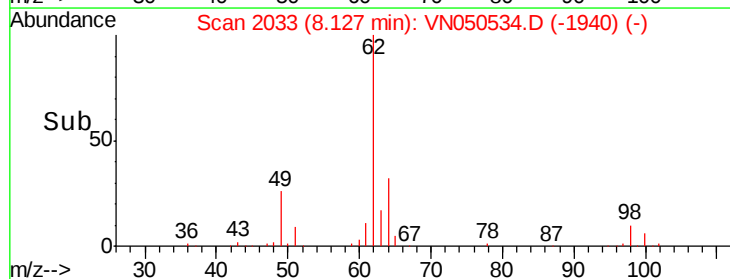
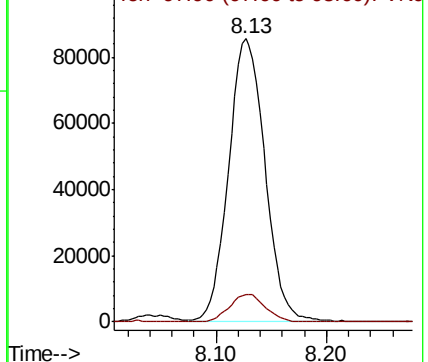
98 9.6 0.0 18.8

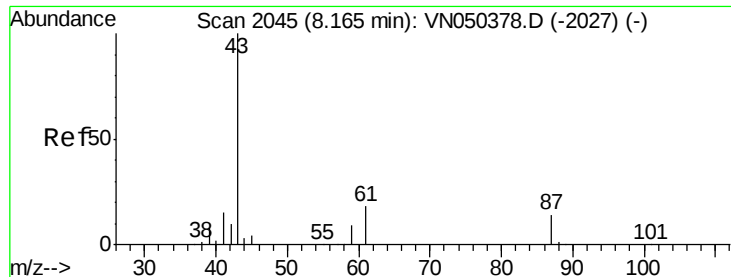


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 18.86 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

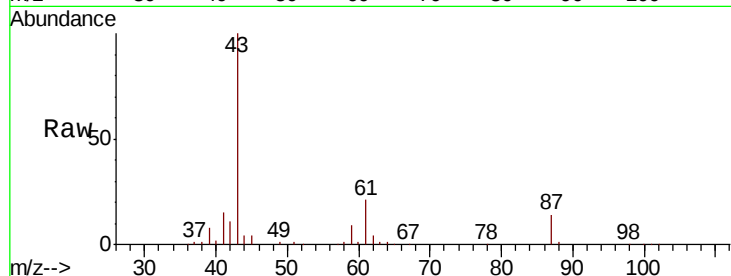
Tot Ion: 43 Resp: 236421

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.6

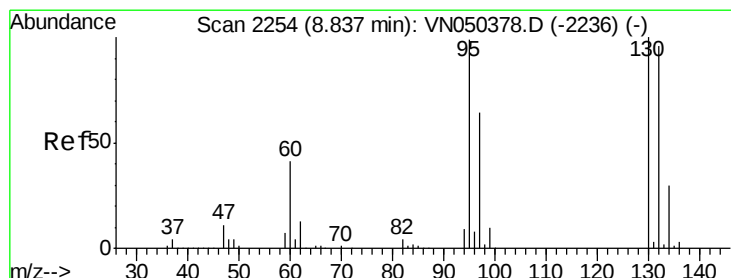
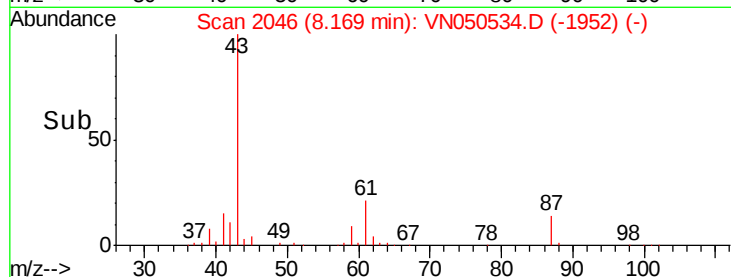
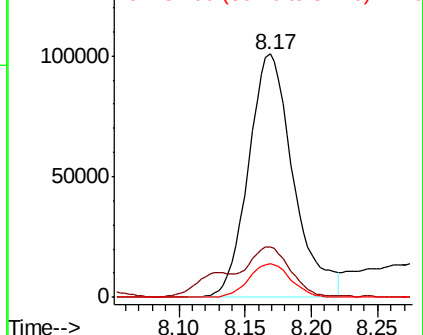
87 12.9 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.92 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050534.D

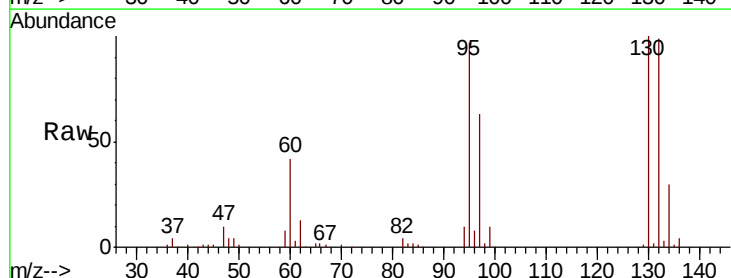
Acq: 10 Aug 2018 22:48

Tgt Ion:130 Resp: 157587

Ion Ratio Lower Upper

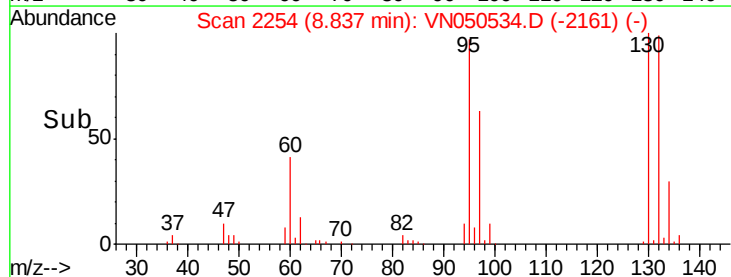
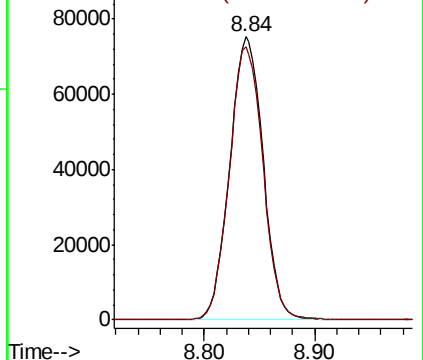
130 100

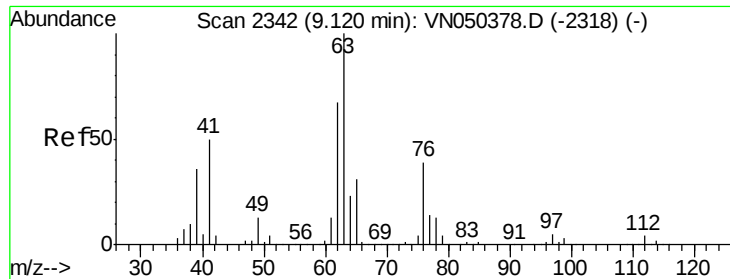
95 96.5 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.17 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

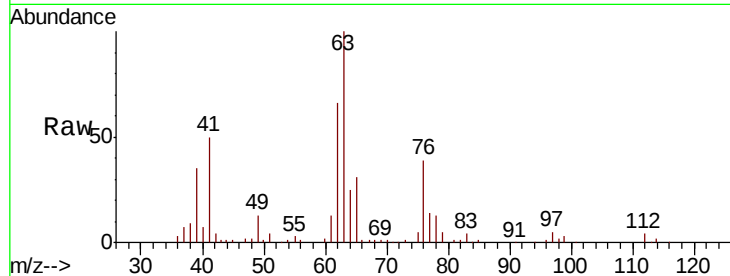
VN0810WBS02

Tot Ion: 63 Resp: 164432

Ion Ratio Lower Upper

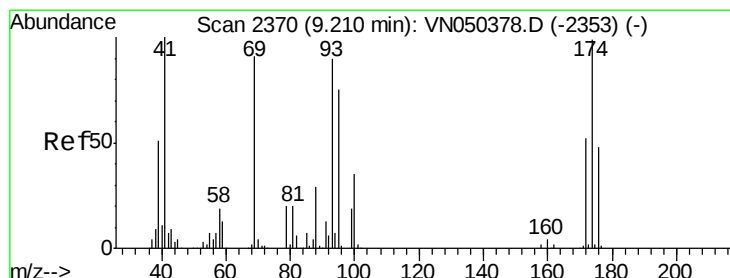
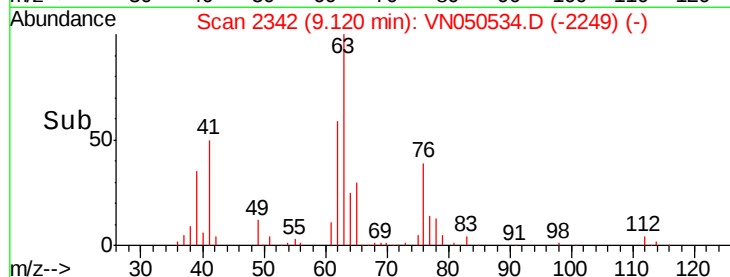
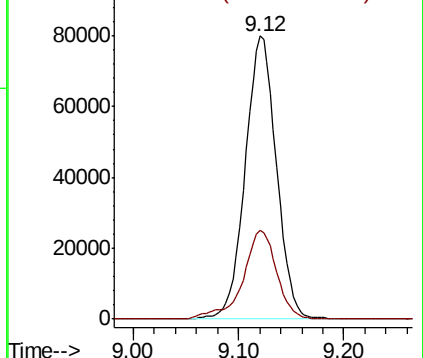
63 100

65 31.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.36 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

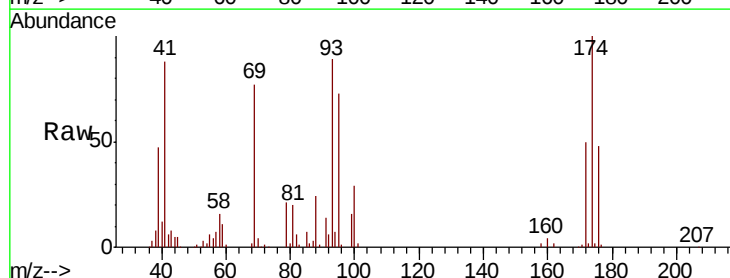
Tgt Ion: 93 Resp: 97447

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

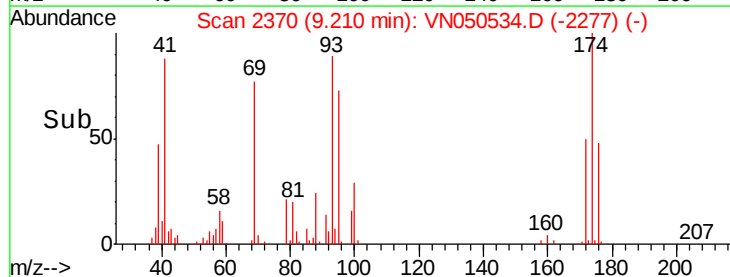
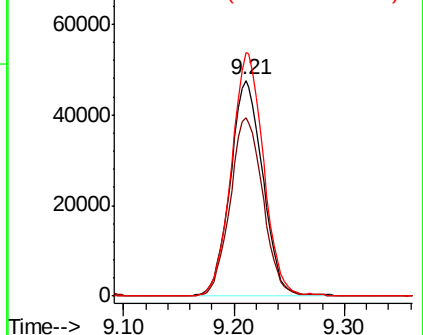
174 111.2 87.1 130.7

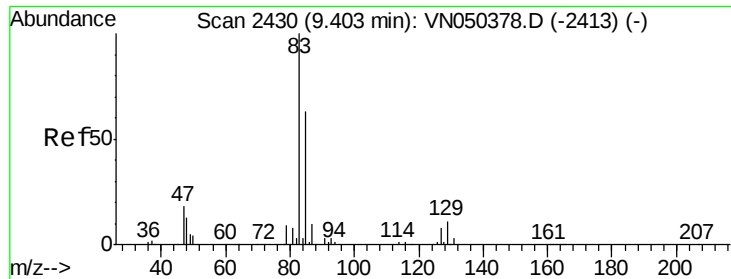


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

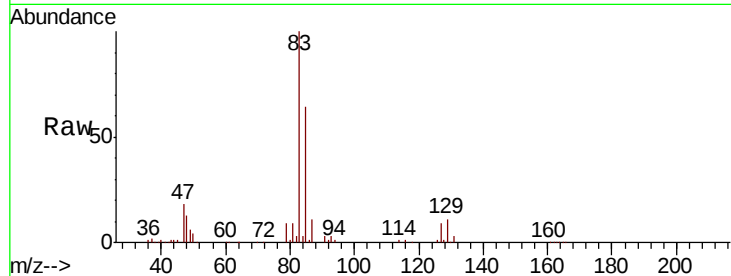
Tot Ion: 83 Resp: 205896

Ion Ratio Lower Upper

83 100

85 63.8 51.1 76.7

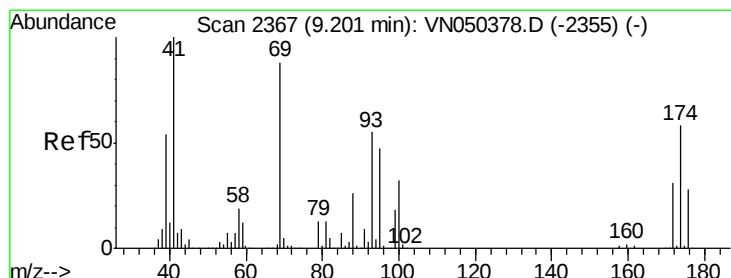
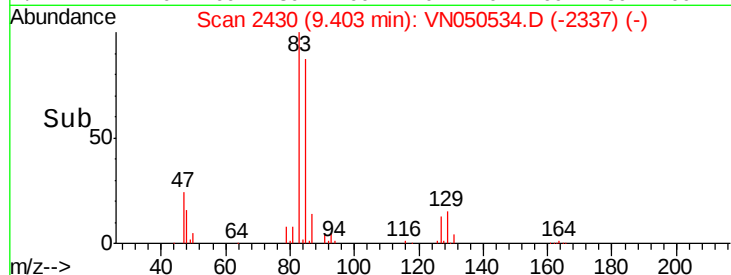
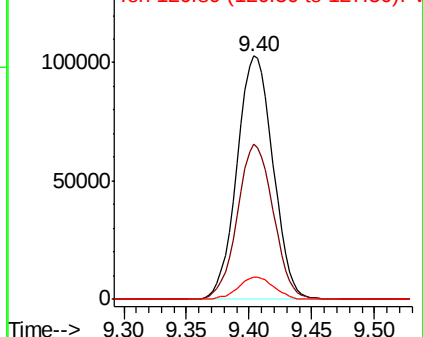
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.55 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

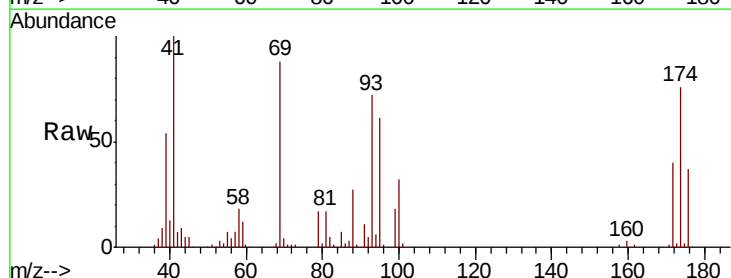
Tgt Ion: 41 Resp: 110290

Ion Ratio Lower Upper

41 100

69 88.5 70.6 105.8

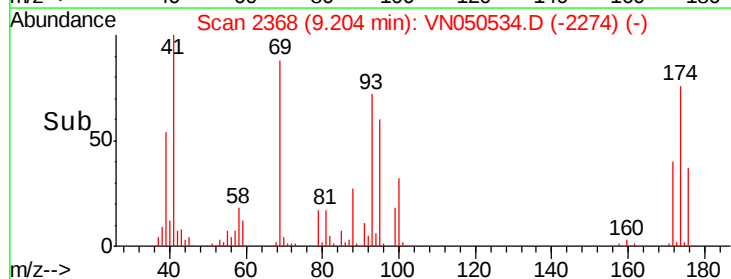
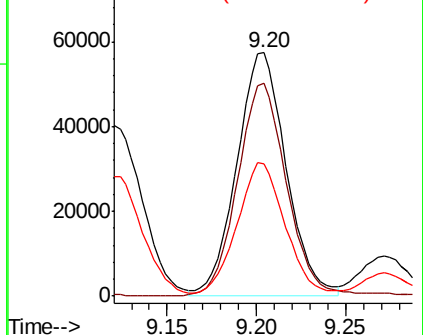
39 53.5 43.9 65.9

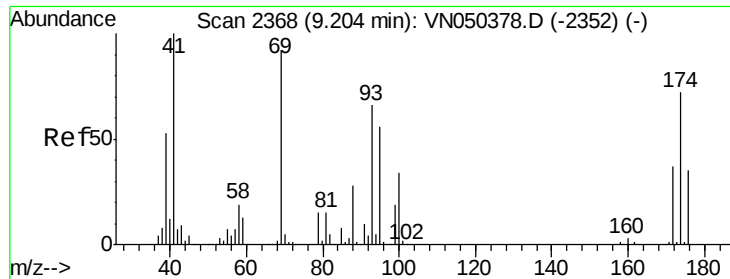


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 312.00 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

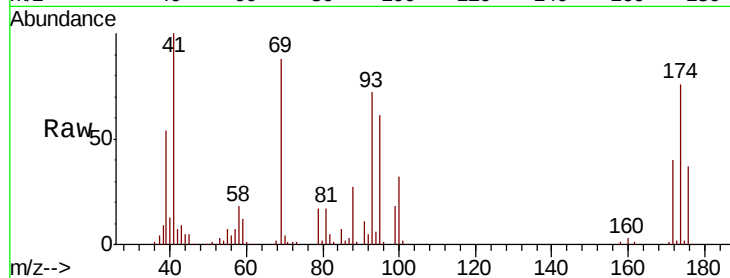
Tot Ion: 88 Resp: 30219

Ion Ratio Lower Upper

88 100

43 30.6 26.9 40.3

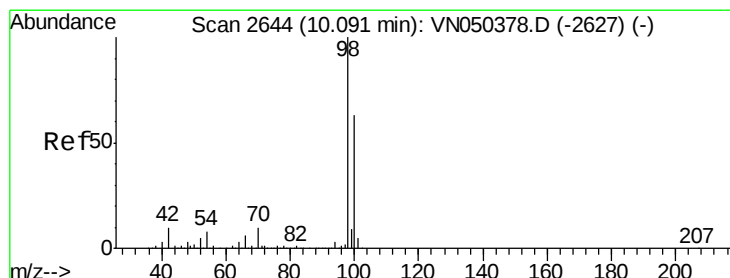
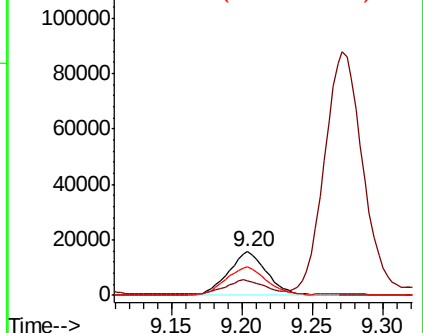
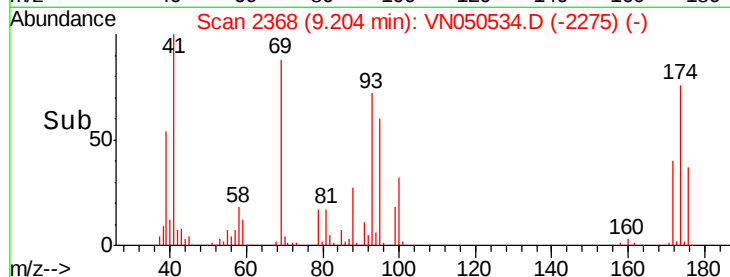
58 68.4 57.3 85.9



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: 48.54 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050534.D

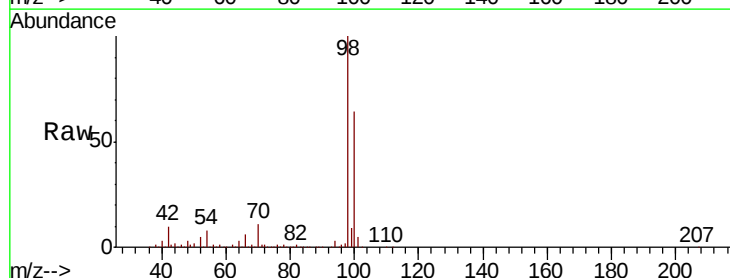
Acq: 10 Aug 2018 22:48

Tgt Ion: 98 Resp: 1343951

Ion Ratio Lower Upper

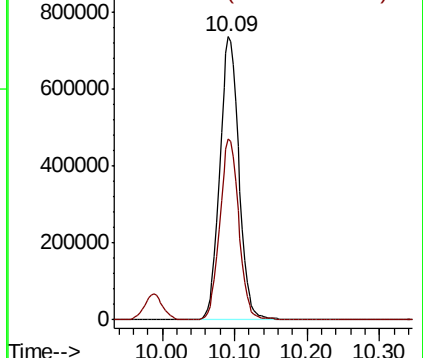
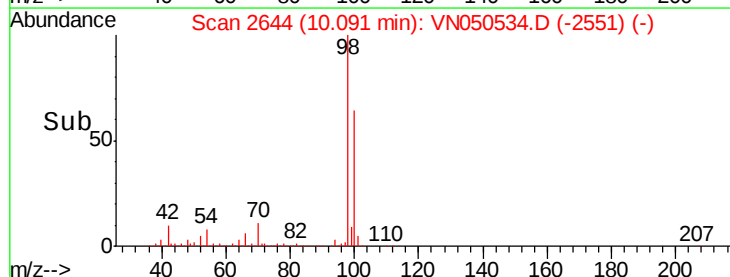
98 100

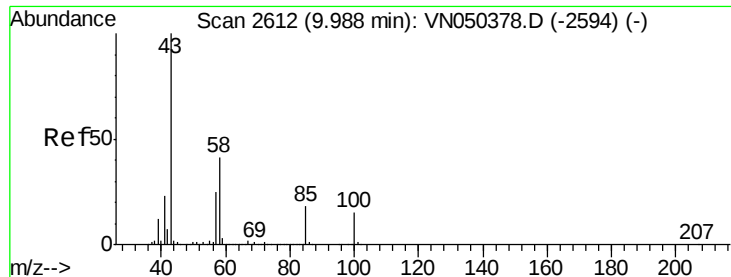
100 63.4 50.7 76.1



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: 88.27 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

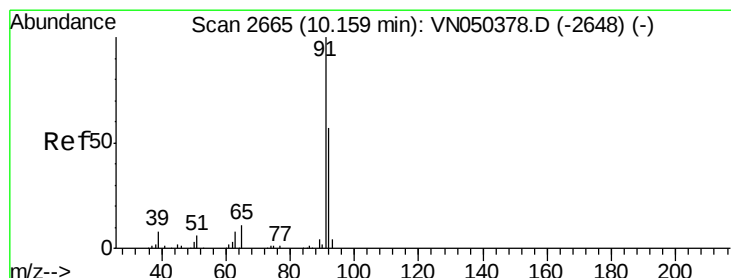
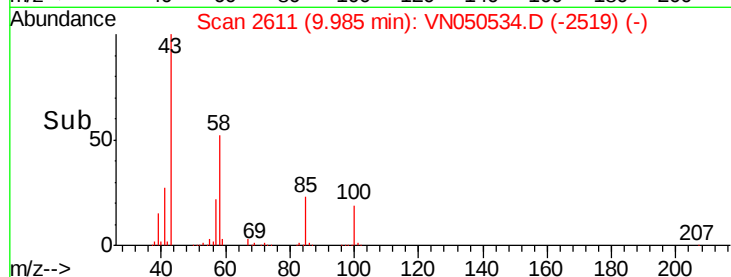
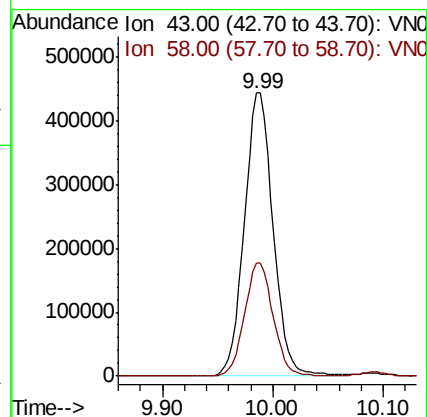
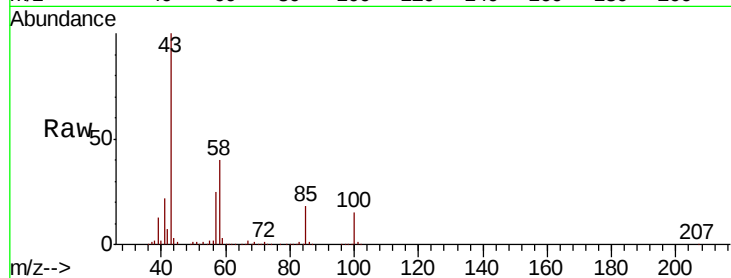
VN0810WBS02

Tot Ion: 43 Resp: 796943

Ion Ratio Lower Upper

43 100

58 40.0 31.9 47.9



#52

Toluene

Concen: 19.84 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050534.D

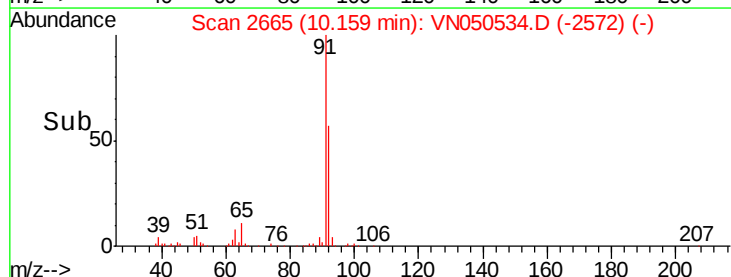
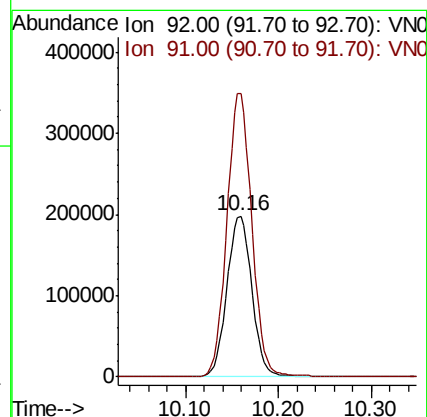
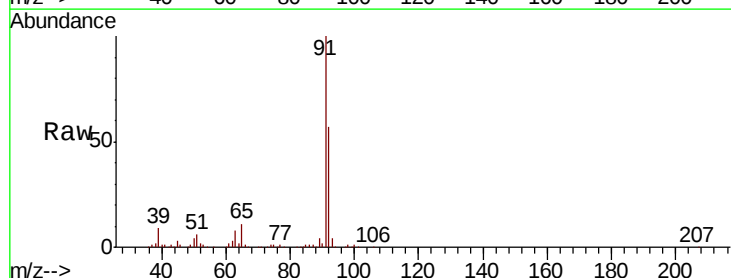
Acq: 10 Aug 2018 22:48

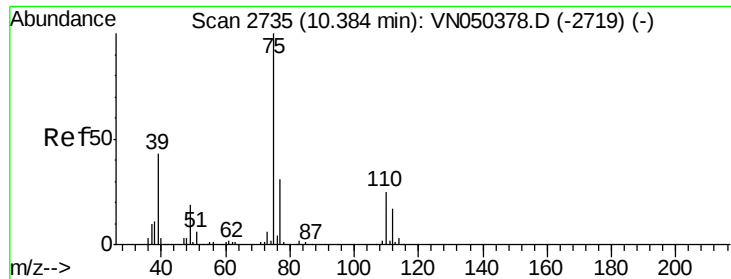
Tgt Ion: 92 Resp: 369556

Ion Ratio Lower Upper

92 100

91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 17.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

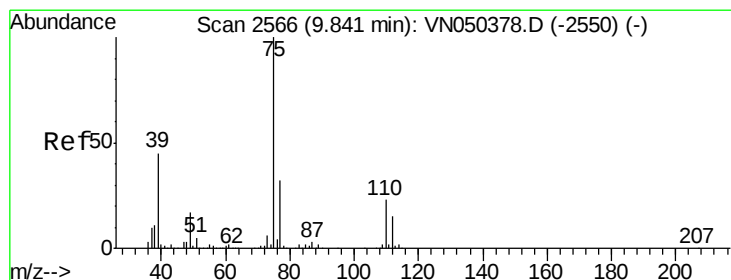
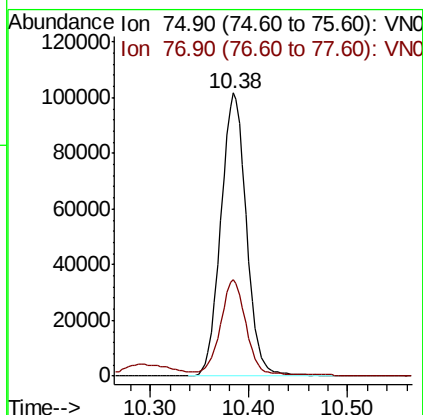
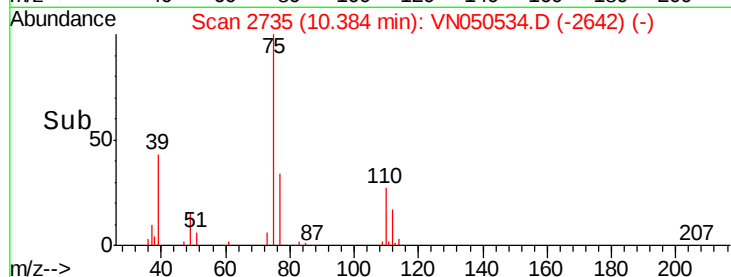
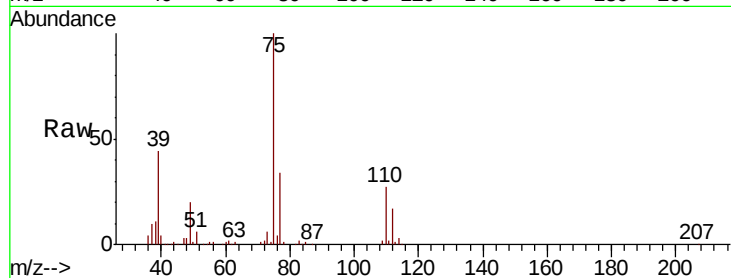
VN0810WBS02

Tot Ion: 75 Resp: 185138

Ion Ratio Lower Upper

75 100

77 33.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.24 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

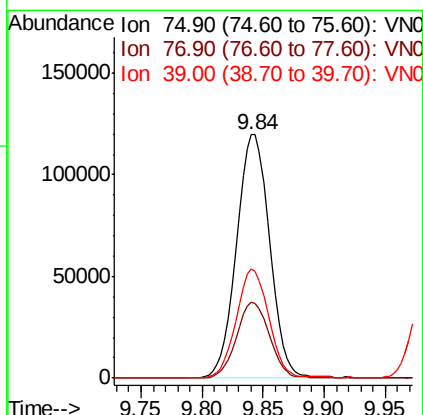
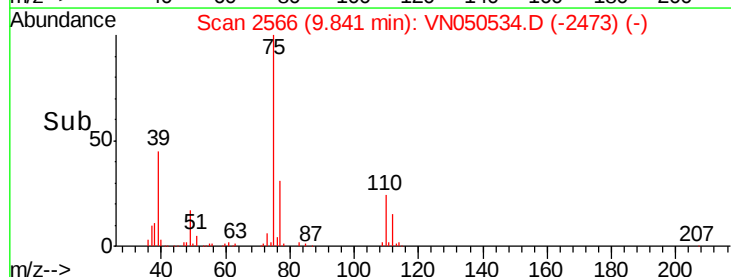
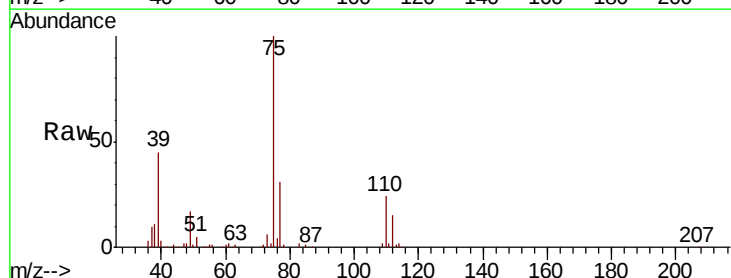
Tgt Ion: 75 Resp: 224820

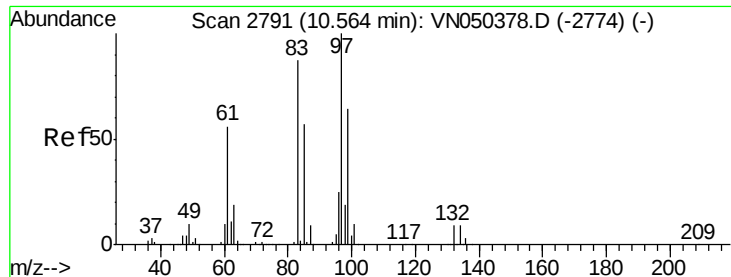
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 44.7 36.6 55.0

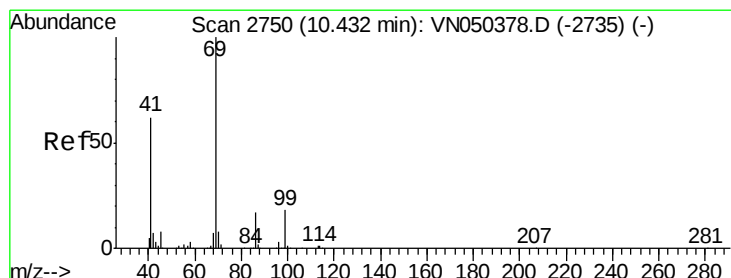
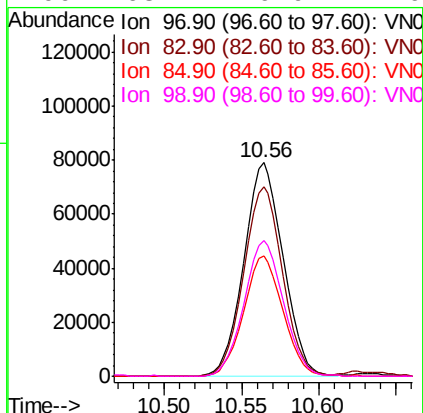
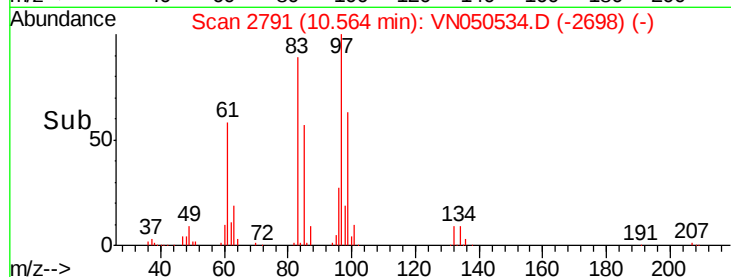
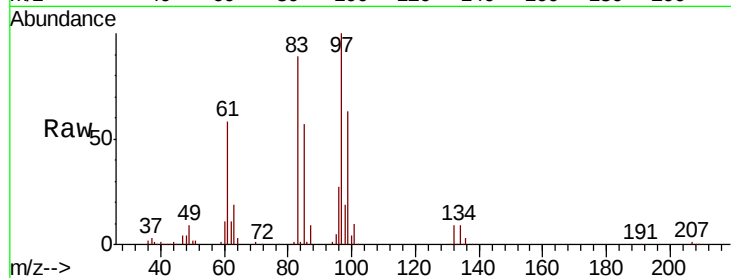




#55
 1,1,2-Trichloroethane
 Concen: 19.29 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

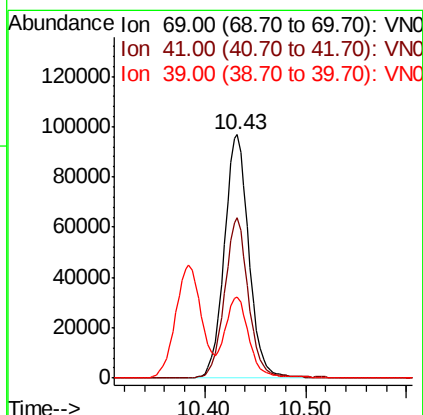
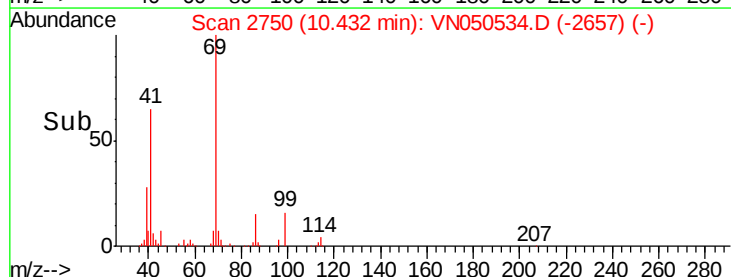
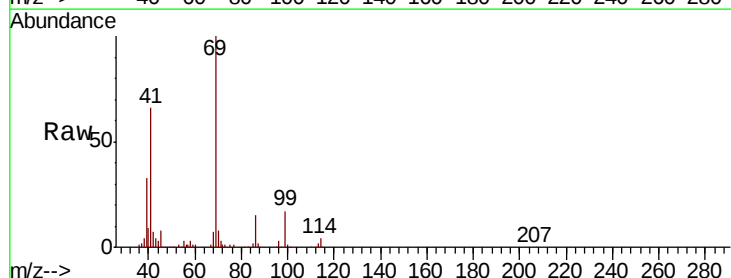
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

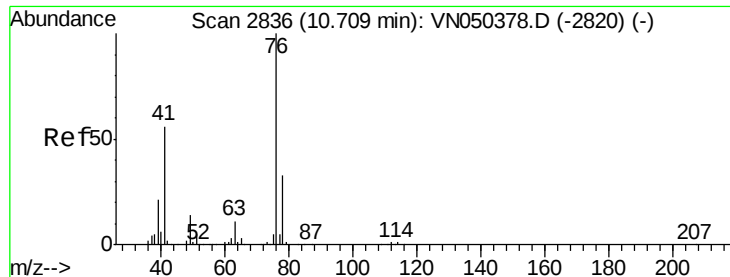
Tot Ion:	97	Resp:	140244
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.2	103.8
85	56.6	44.0	66.0
99	63.2	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 17.17 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion:	69	Resp:	164671
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	31.8	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.25 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

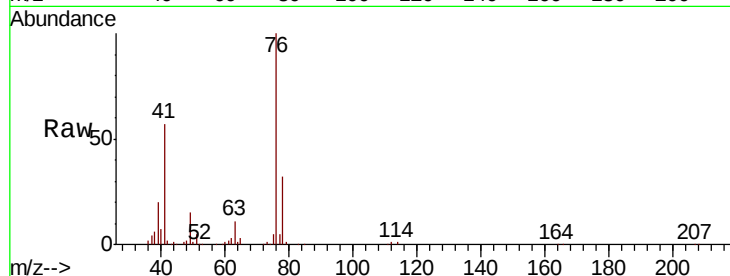
VN0810WBS02

Tot Ion: 76 Resp: 229710

Ion Ratio Lower Upper

76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

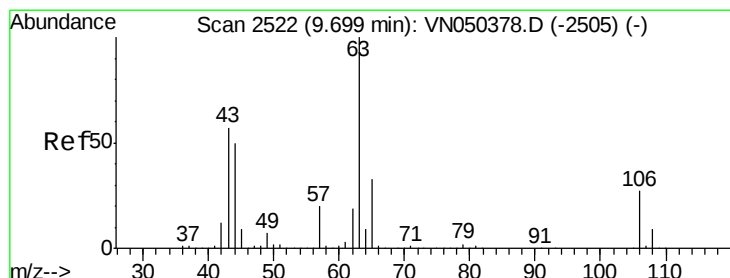
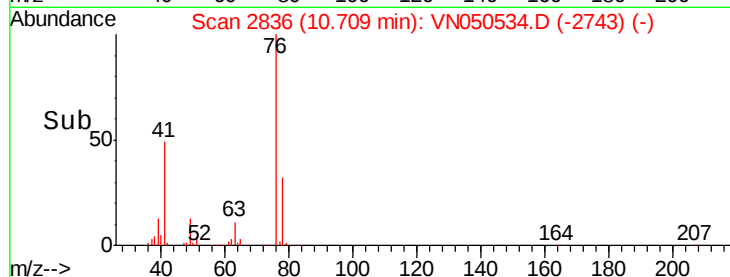
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 87.22 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050534.D

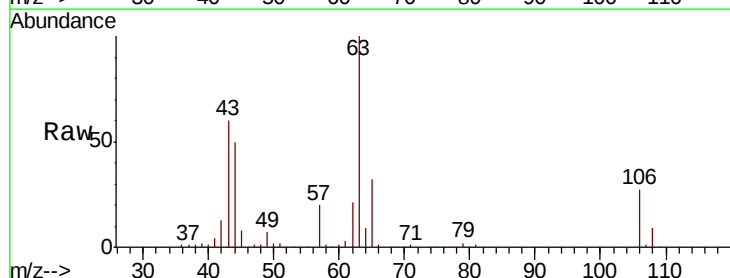
Acq: 10 Aug 2018 22:48

Tgt Ion: 63 Resp: 394517

Ion Ratio Lower Upper

63 100

106 26.5 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

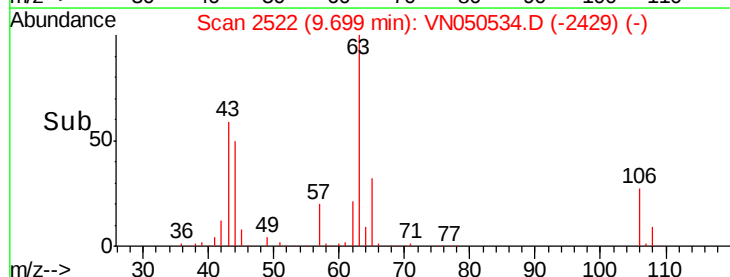
150000

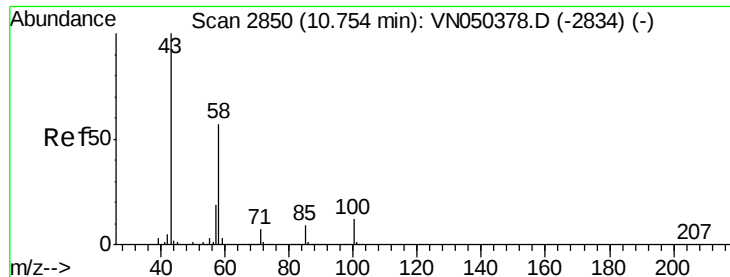
100000

50000

0

Time--> 9.60 9.70 9.80

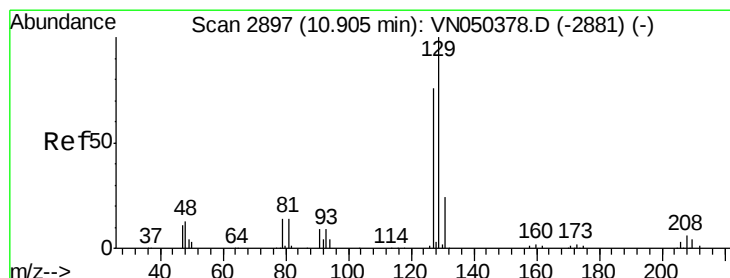
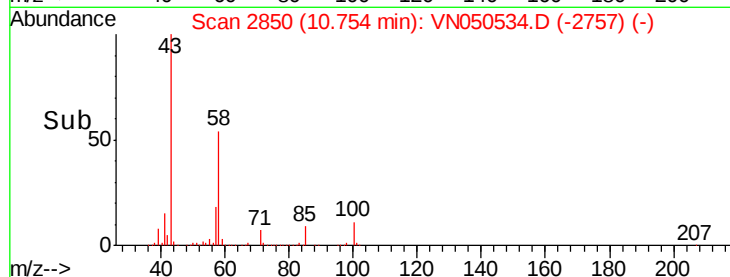
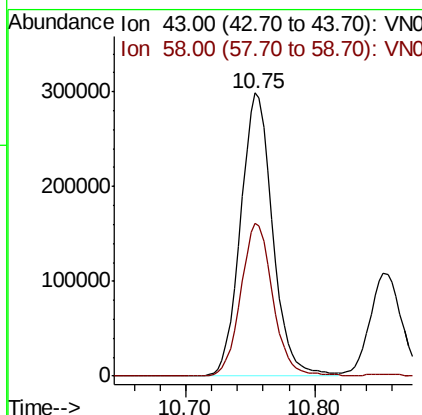
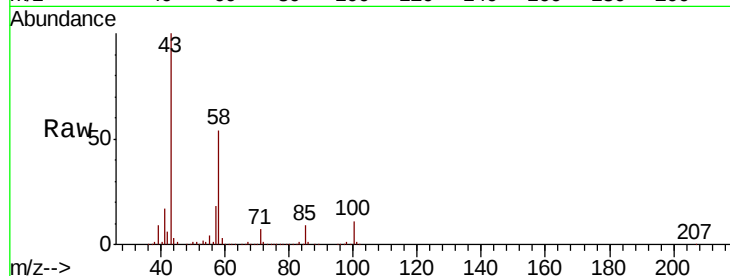




#59
2-Hexanone
Concen: 81.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

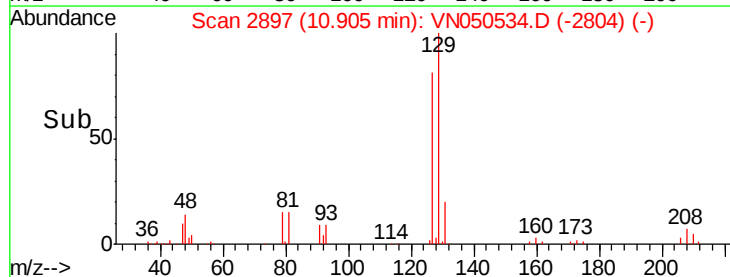
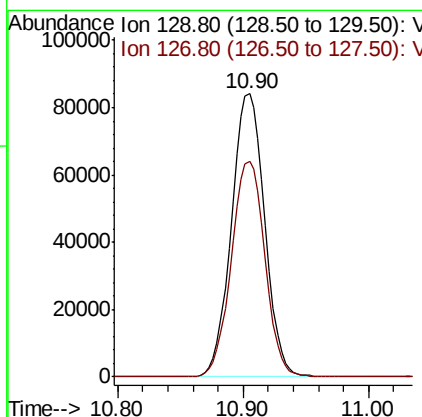
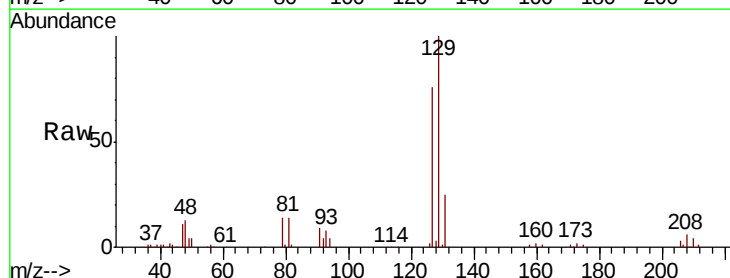
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

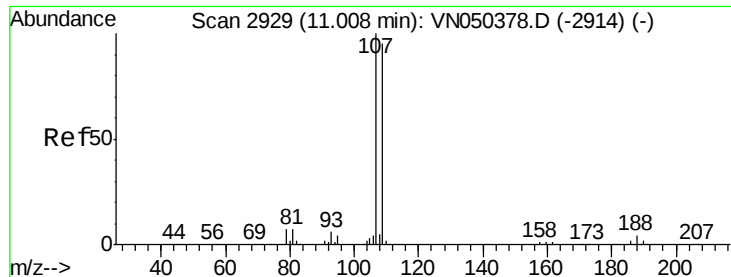
Tot Ion: 43 Resp: 514453
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7



#60
Dibromochloromethane
Concen: 19.33 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 129 Resp: 154827
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9

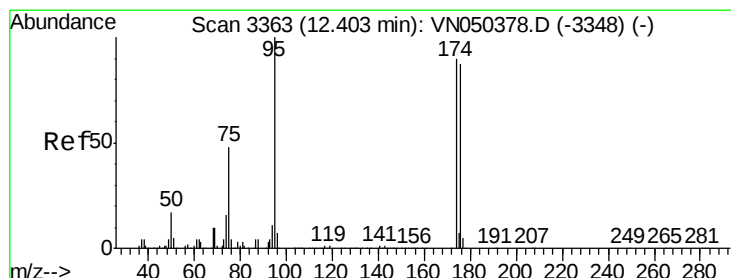
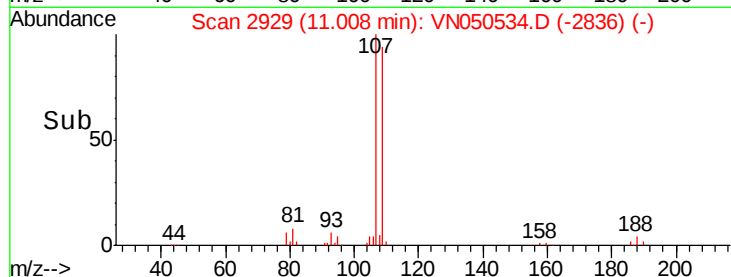
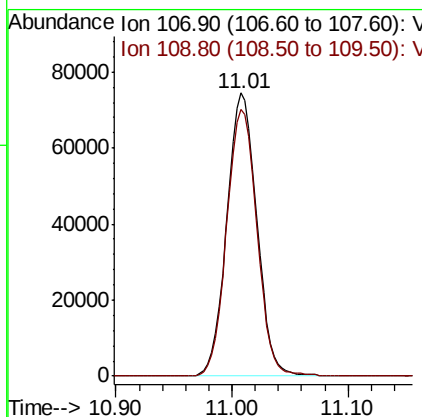
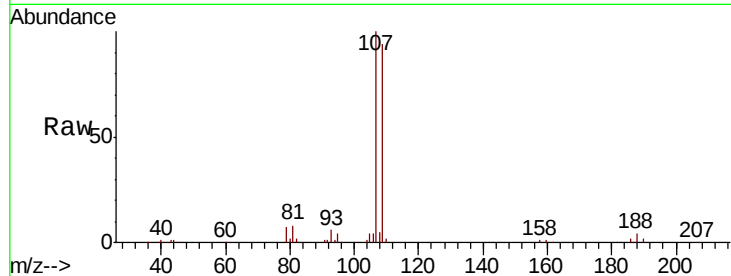




#61
 1,2-Dibromoethane
 Concen: 18.65 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

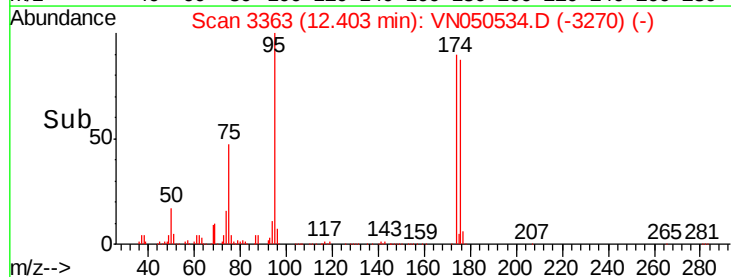
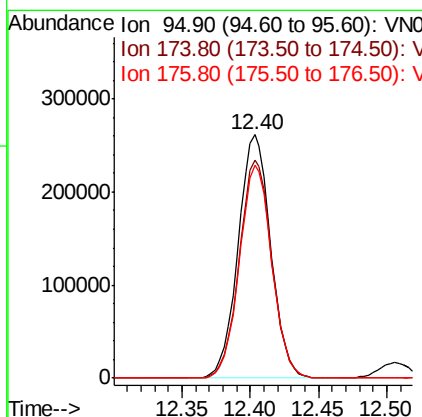
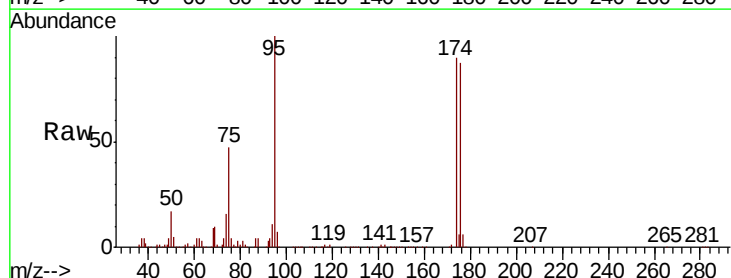
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

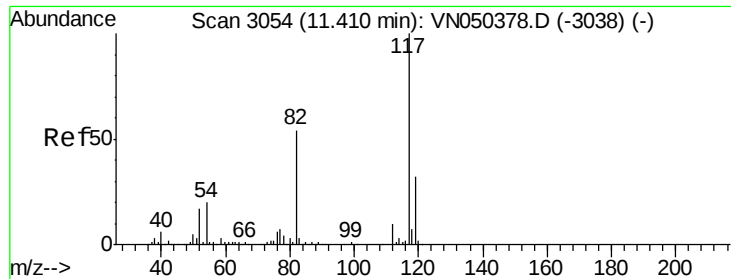
Tot Ion:107 Resp: 133651
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 95 Resp: 432521
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.2
 176 87.0 0.0 173.4

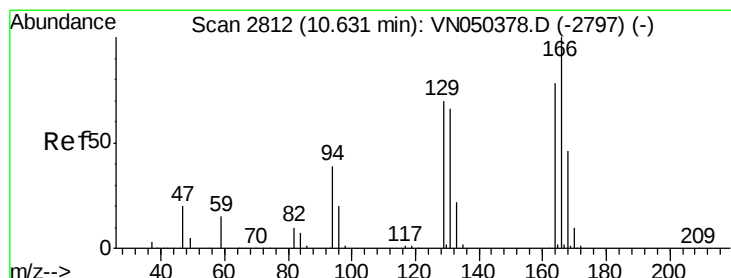
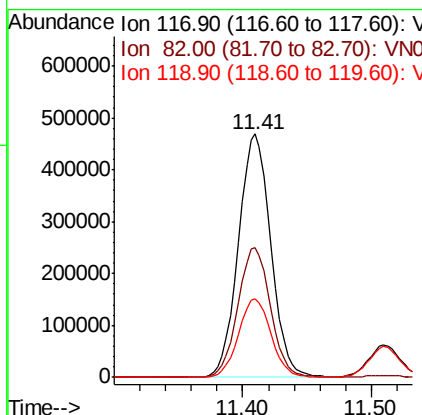
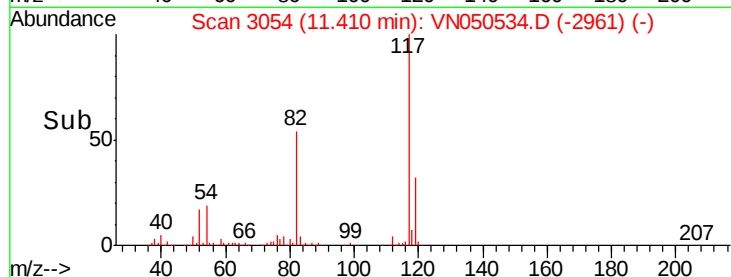
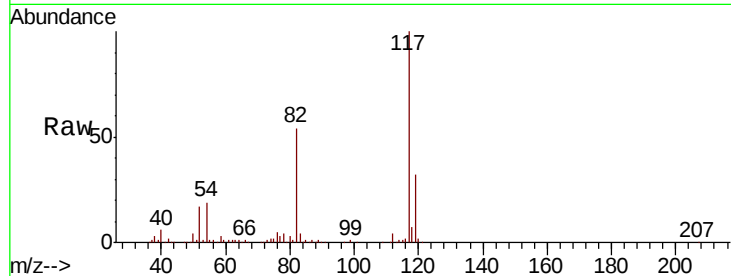




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

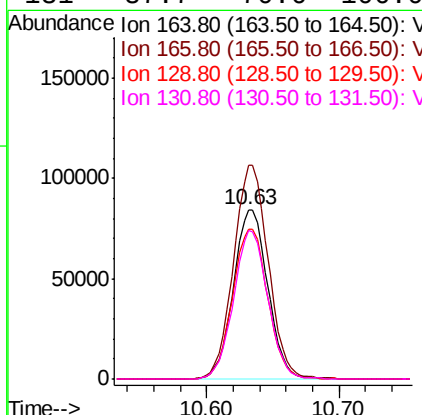
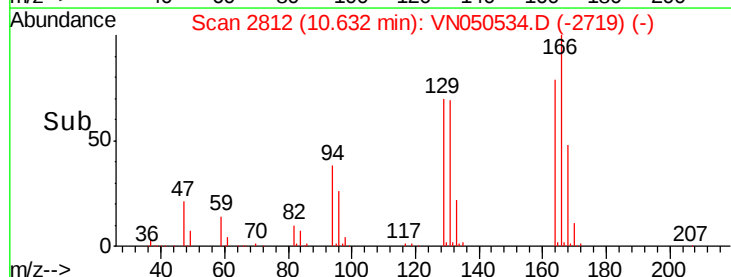
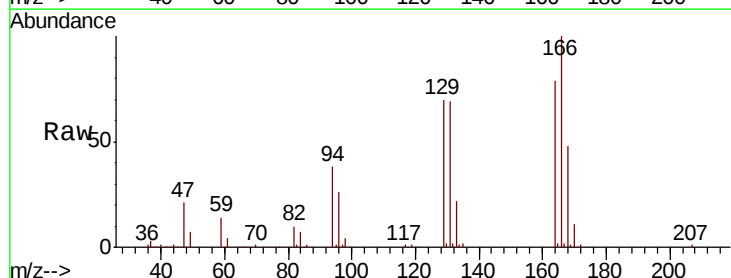
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

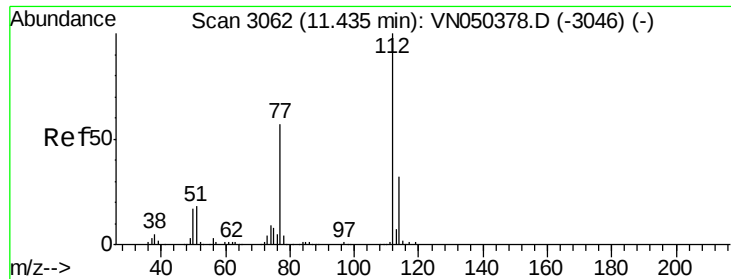
Tot Ion:117 Resp: 820755
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 19.78 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion:164 Resp: 151693
Ion Ratio Lower Upper
164 100
166 126.2 102.1 153.1
129 88.5 73.2 109.8
131 87.7 70.6 106.0

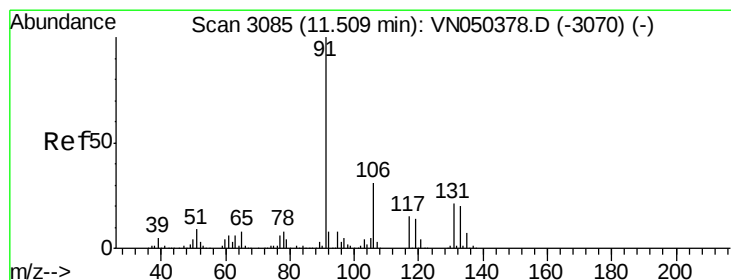
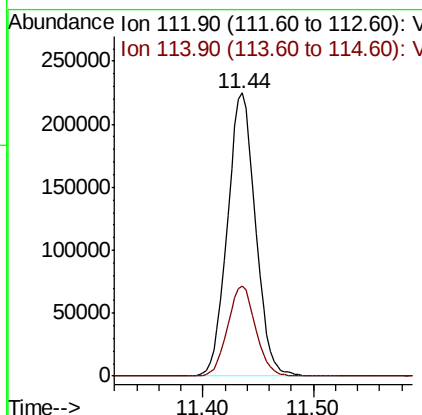
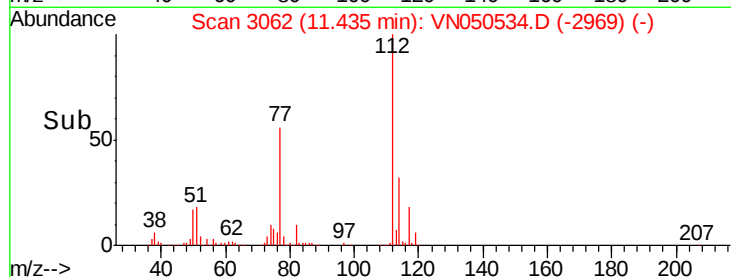
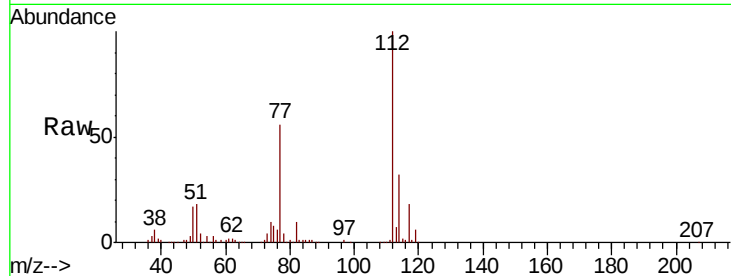




#65
Chlorobenzene
Concen: 19.30 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

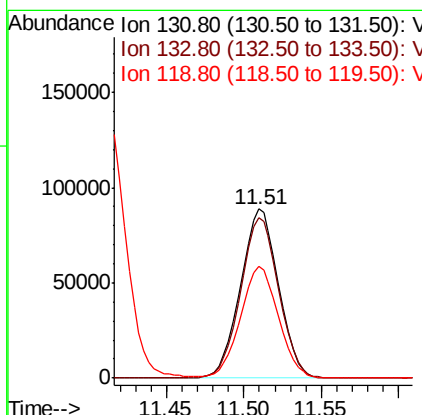
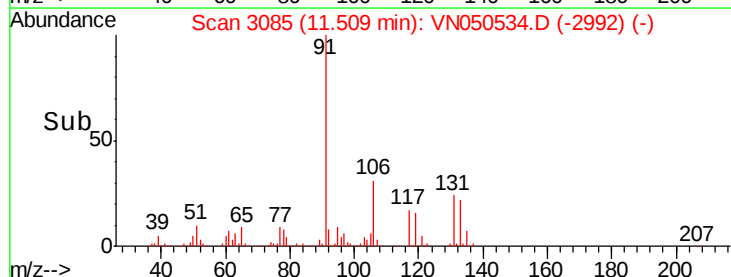
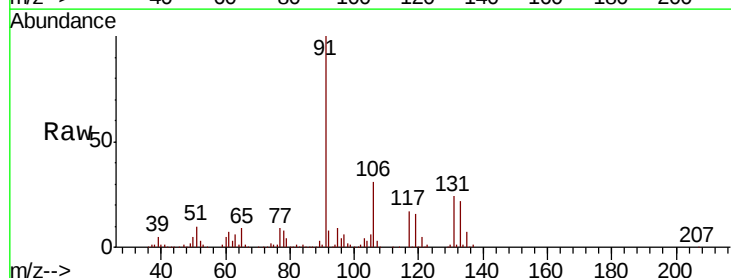
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

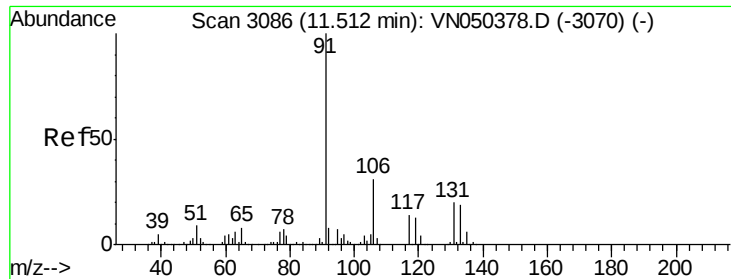
Tot Ion:112 Resp: 397078
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.23 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion:131 Resp: 151480
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 66.4 32.9 98.7

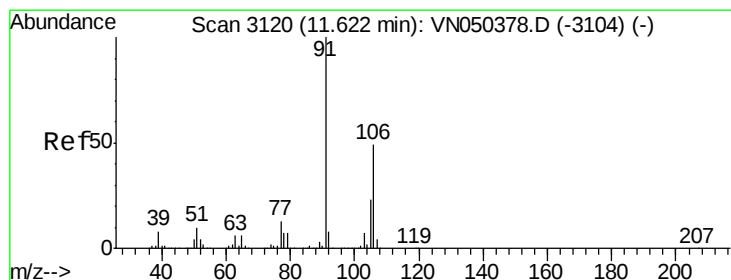
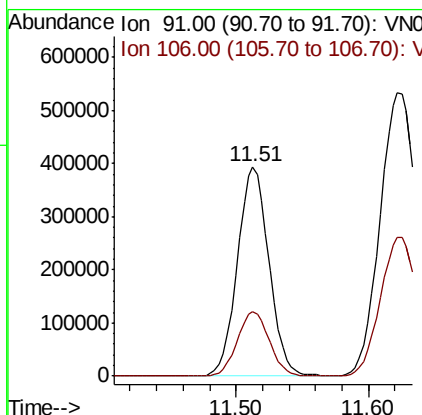
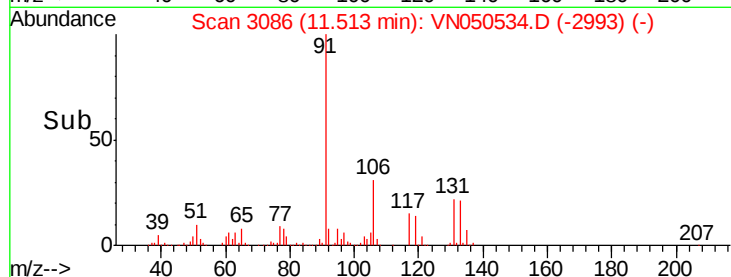
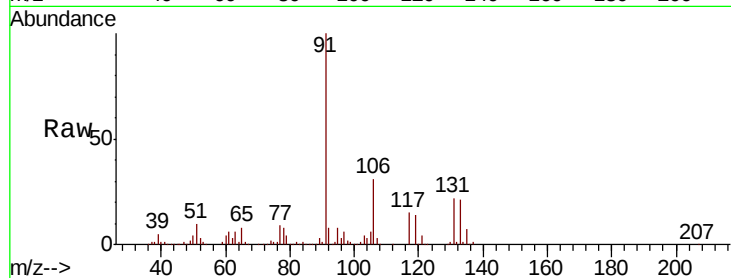




#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

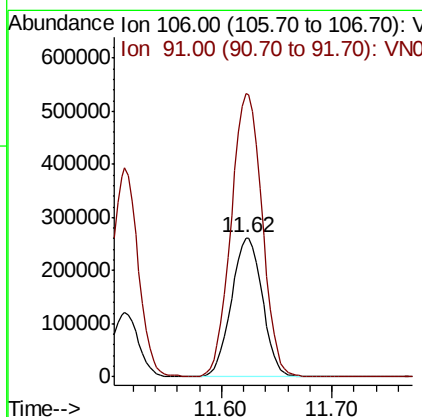
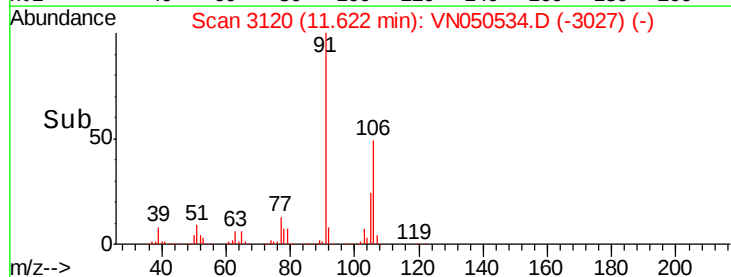
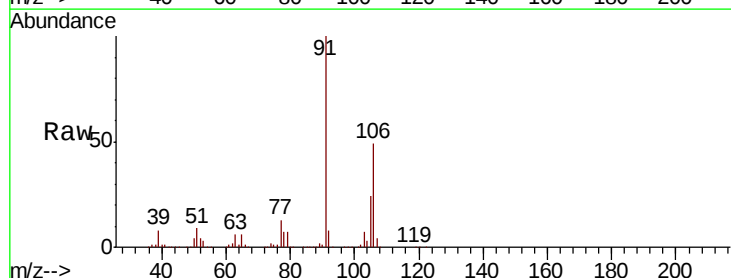
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

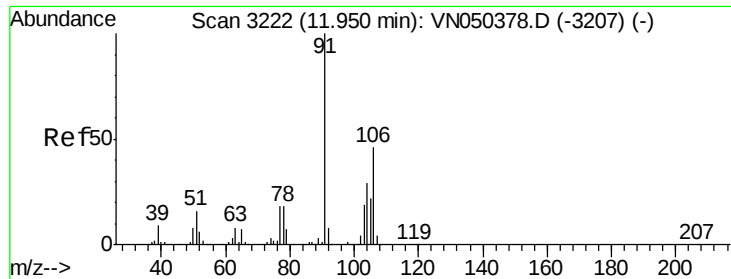
Tot Ion: 91 Resp: 650660
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 40.38 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 106 Resp: 511309
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2

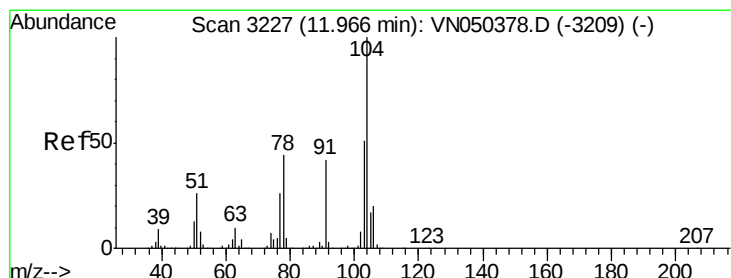
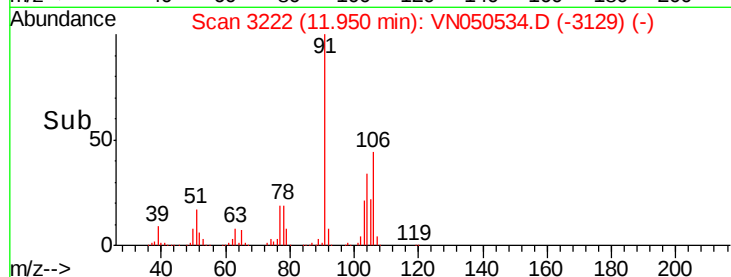
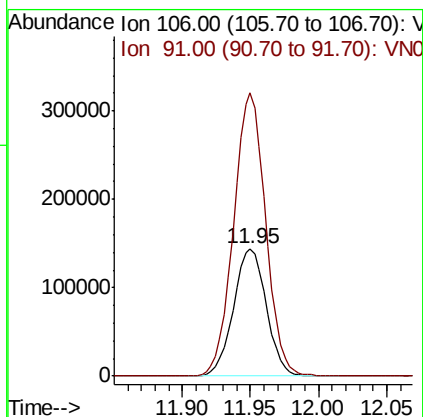
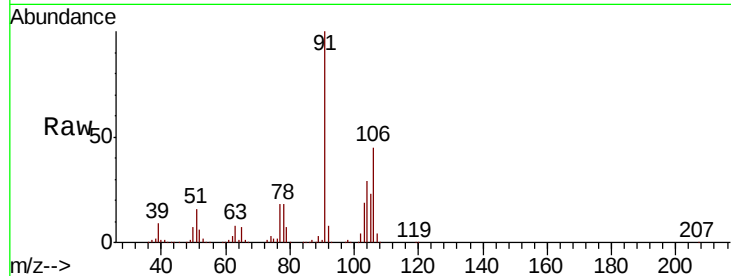




#69
o-Xylene
Concen: 19.67 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

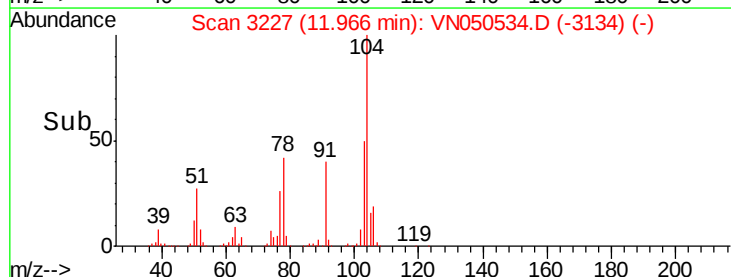
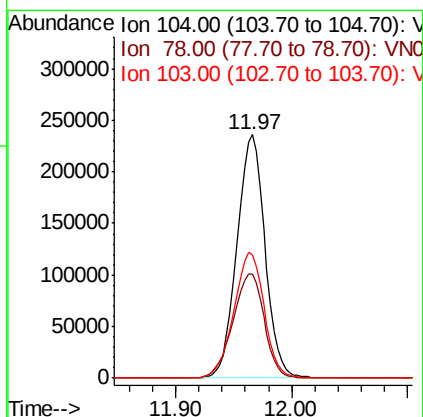
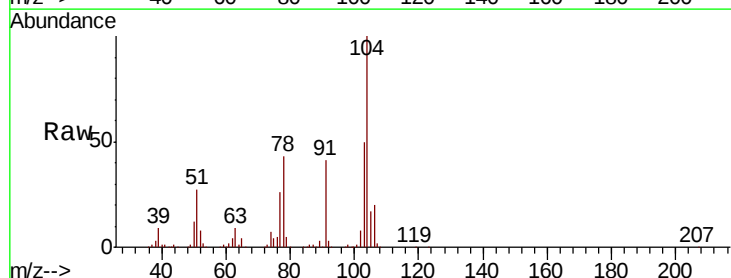
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

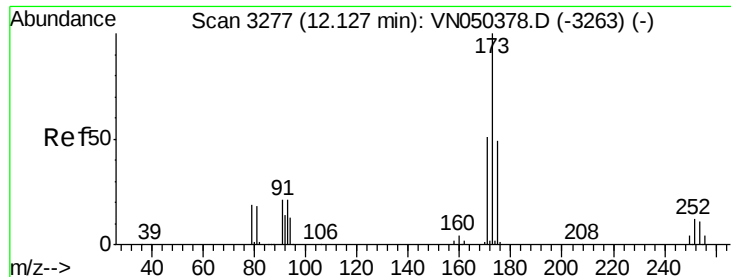
Tot Ion:106 Resp: 239864
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.1



#70
Styrene
Concen: 19.98 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion:104 Resp: 396330
Ion Ratio Lower Upper
104 100
78 48.0 39.3 58.9
103 55.9 45.0 67.6

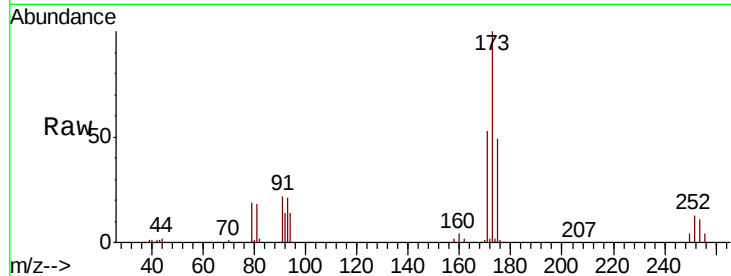




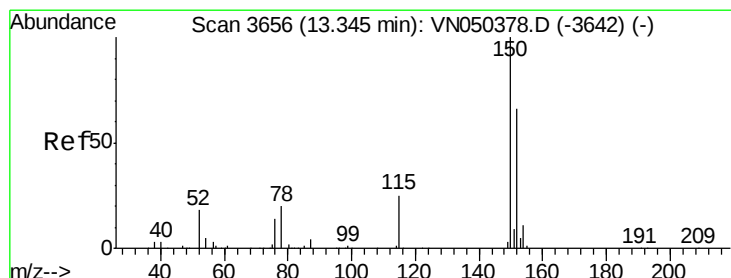
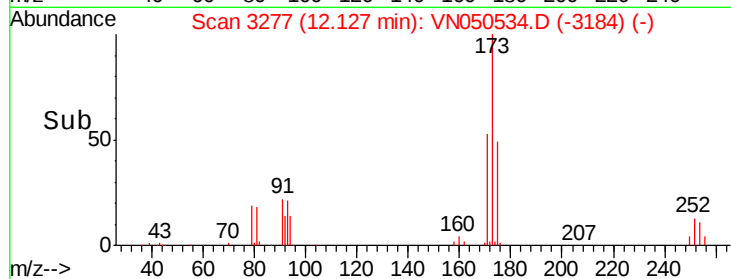
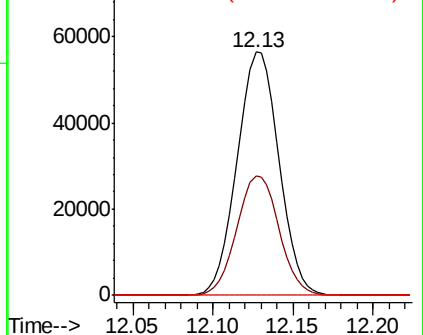
#71
Bromoform
Concen: 18.41 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion:173 Resp: 100778
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 0.0 0.2 0.2#

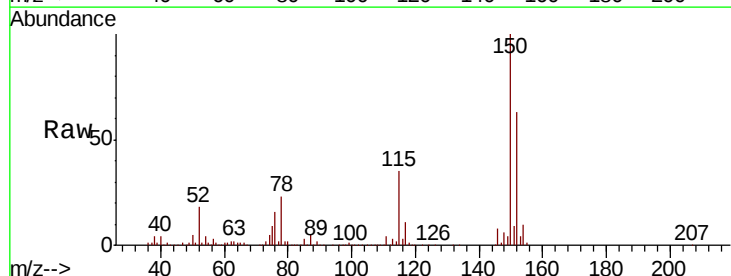


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

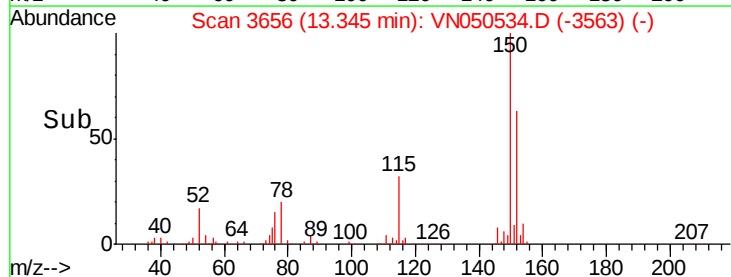
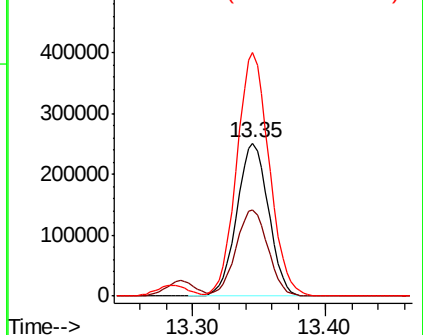


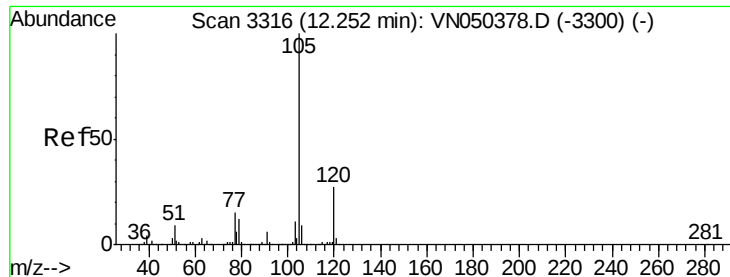
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion:152 Resp: 415549
Ion Ratio Lower Upper
152 100
115 57.1 27.8 83.3
150 163.6 0.0 348.6



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: 20.47 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

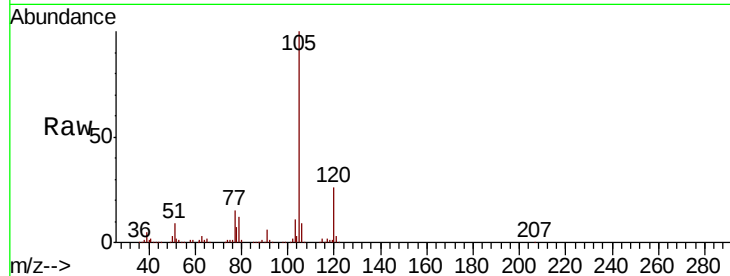
VN0810WBS02

Tot Ion:105 Resp: 638563

Ion Ratio Lower Upper

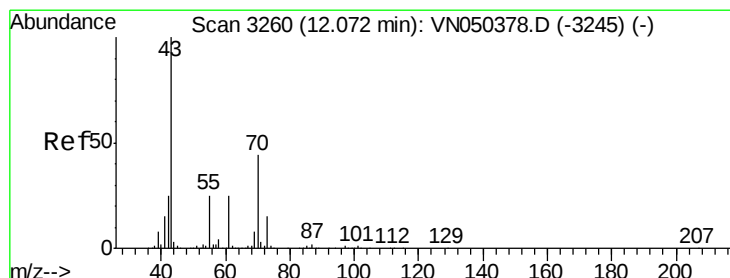
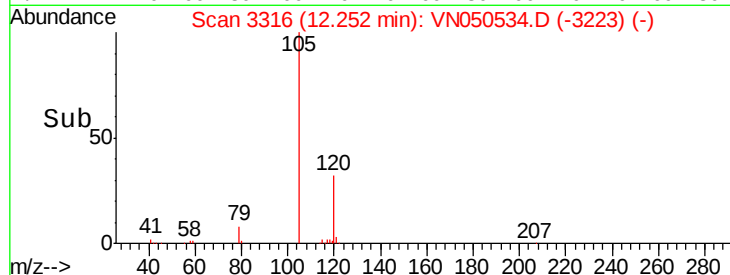
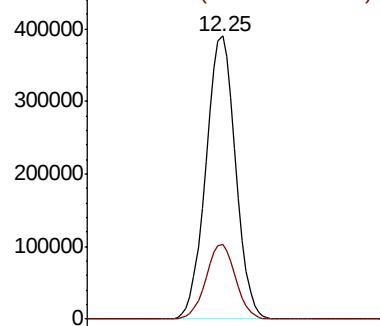
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.56 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion: 43 Resp: 177573

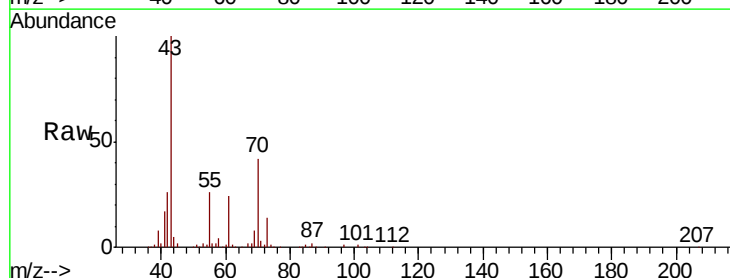
Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 27.0 20.8 31.2

61 24.2 19.7 29.5

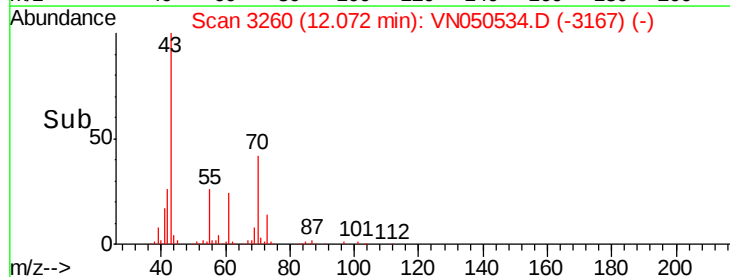
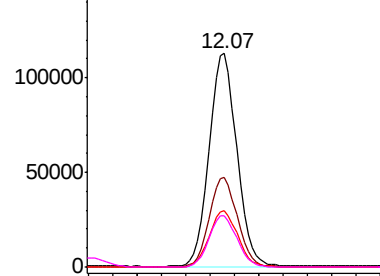


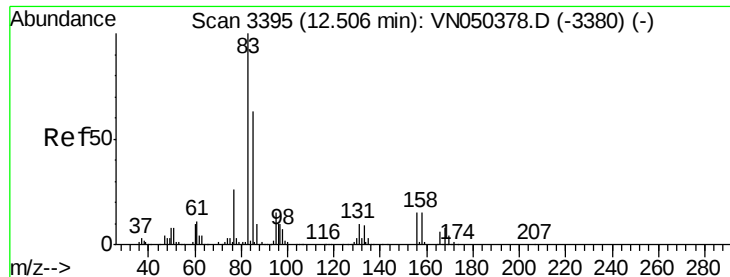
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

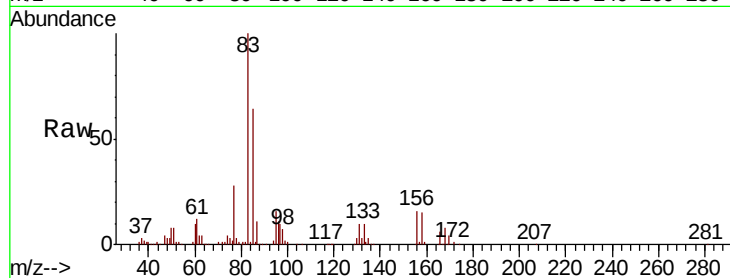
Tot Ion: 83 Resp: 175749

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

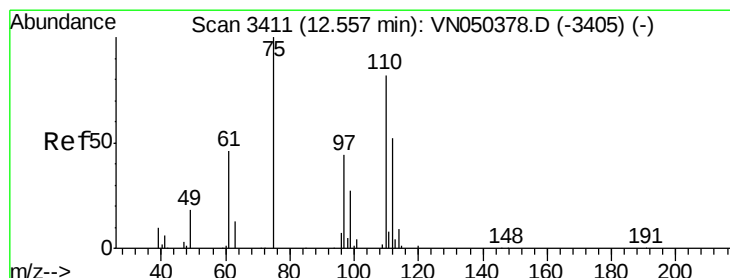
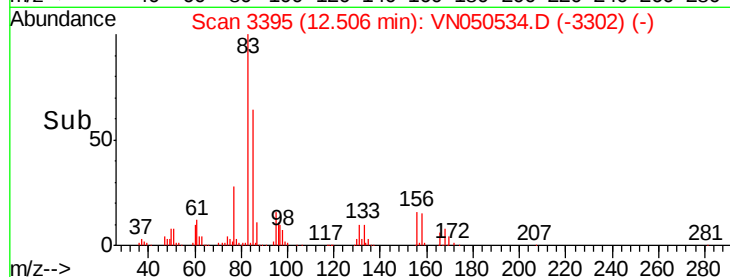
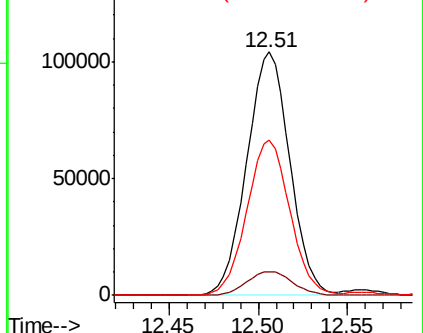
85 63.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.15 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050534.D

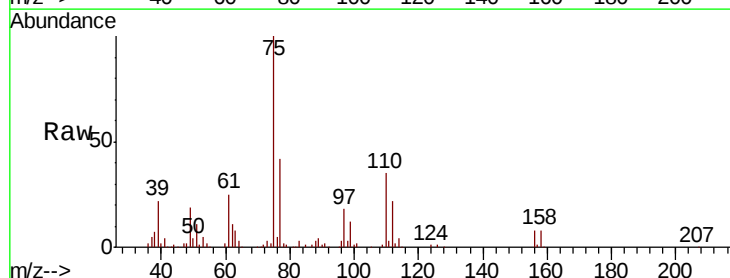
Acq: 10 Aug 2018 22:48

Tgt Ion: 75 Resp: 196688

Ion Ratio Lower Upper

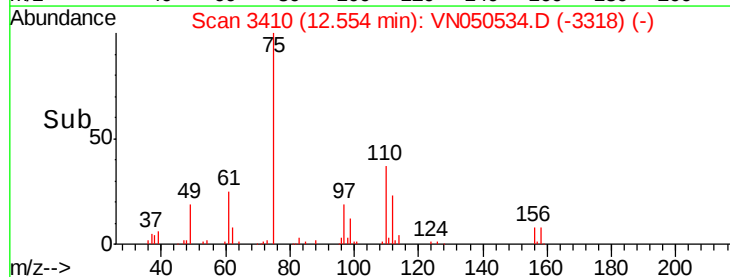
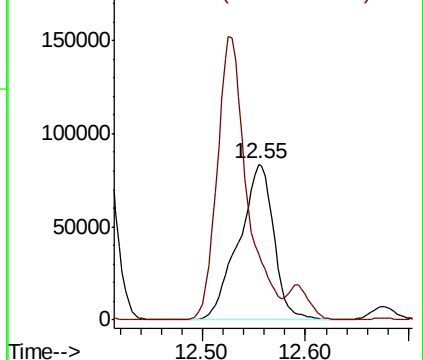
75 100

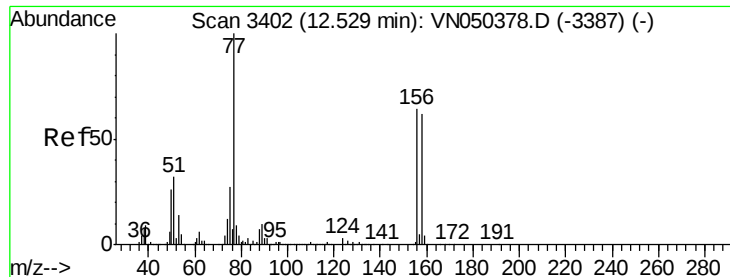
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

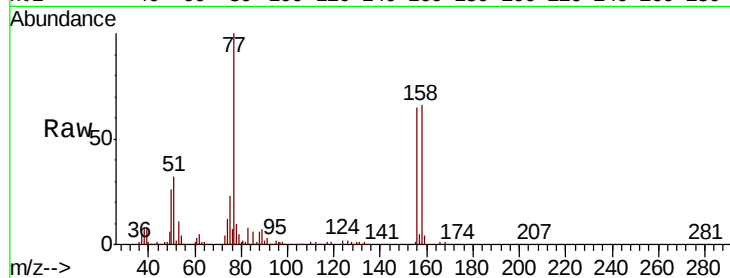
Tot Ion:156 Resp: 169124

Ion Ratio Lower Upper

156 100

77 181.0 91.7 275.1

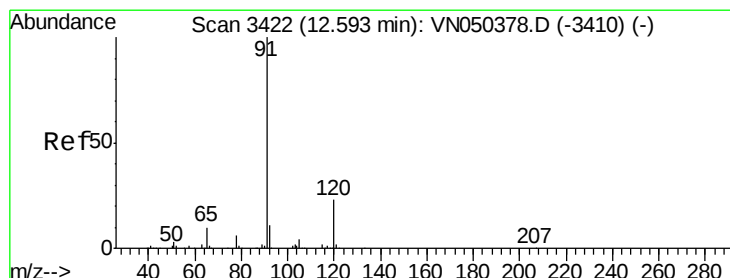
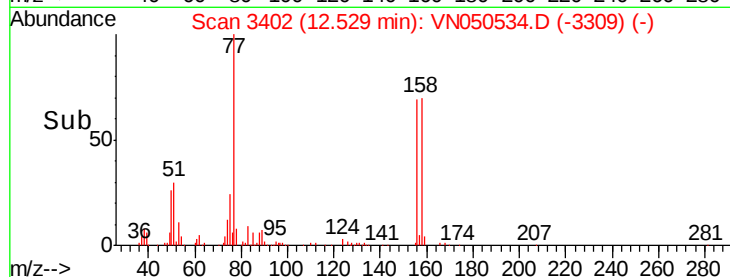
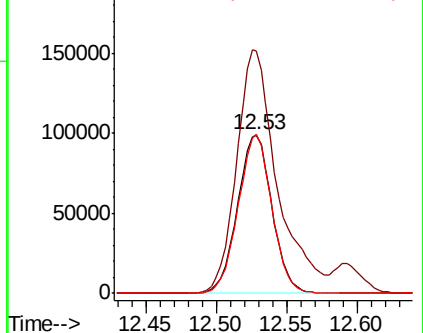
158 97.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.51 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050534.D

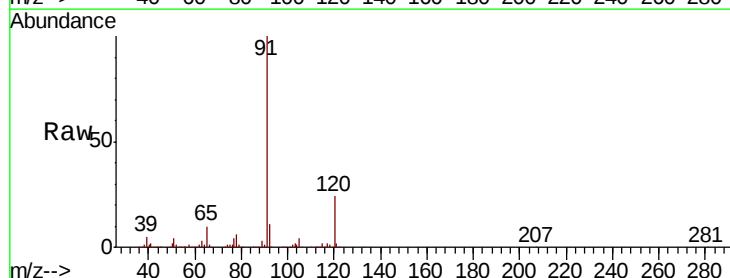
Acq: 10 Aug 2018 22:48

Tgt Ion: 91 Resp: 724091

Ion Ratio Lower Upper

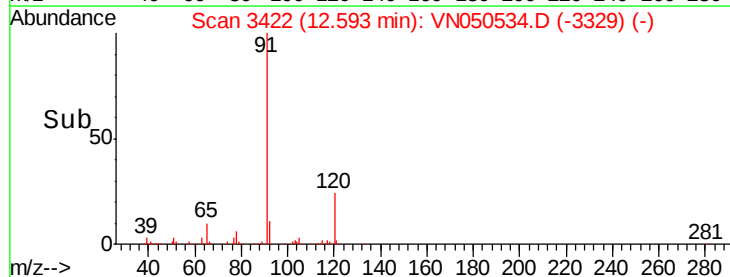
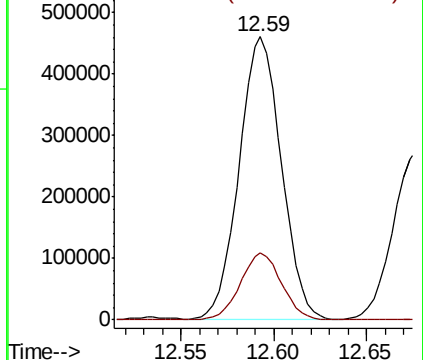
91 100

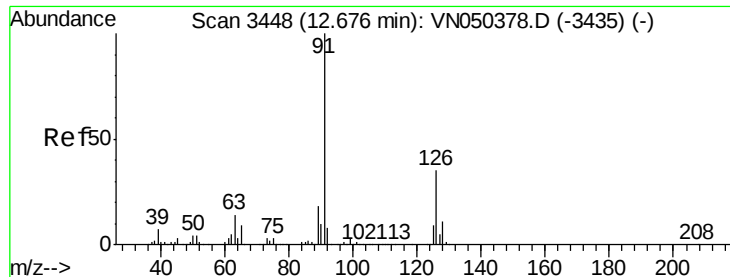
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.41 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

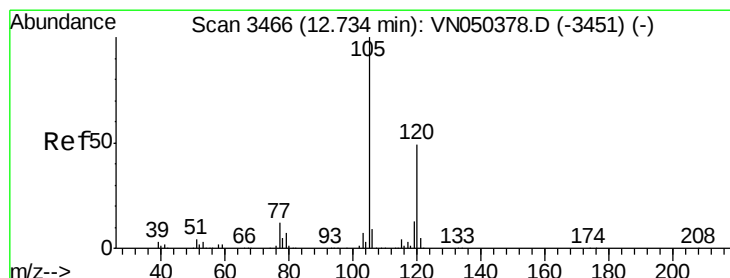
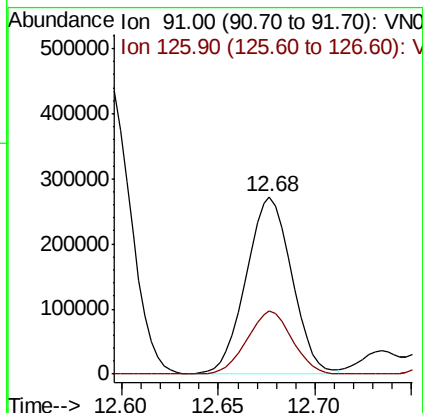
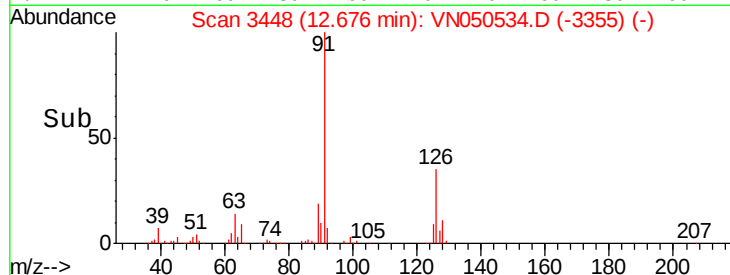
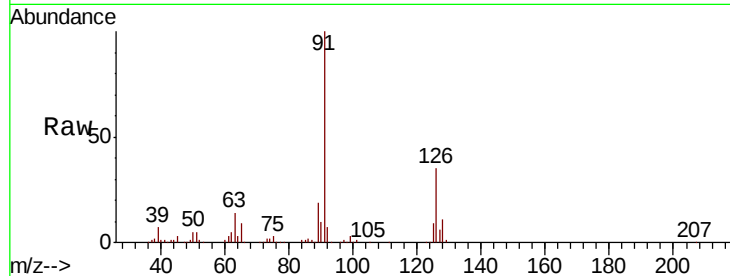
VN0810WBS02

Tot Ion: 91 Resp: 445092

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.63 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050534.D

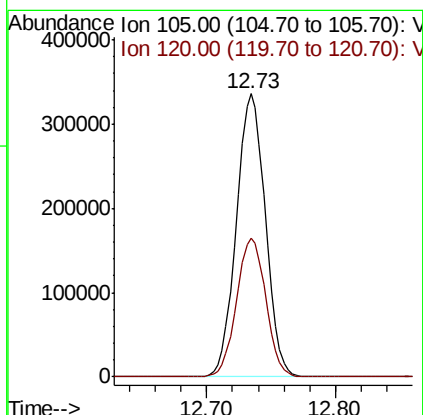
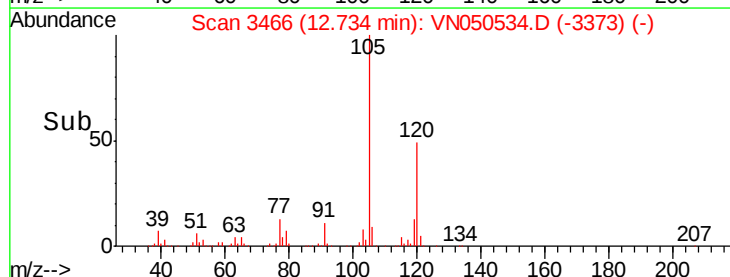
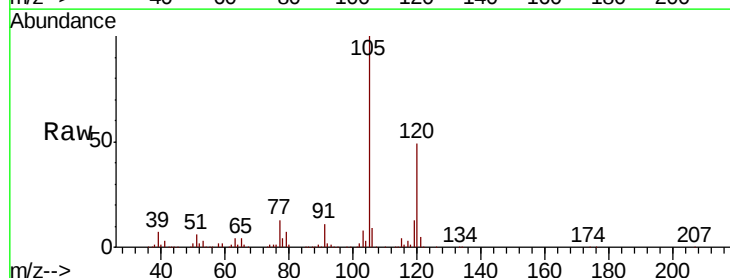
Acq: 10 Aug 2018 22:48

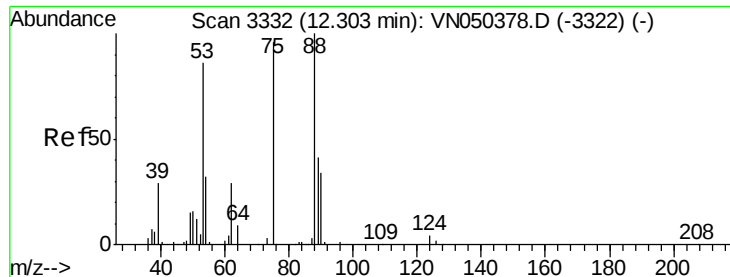
Tgt Ion:105 Resp: 522464

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.43 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

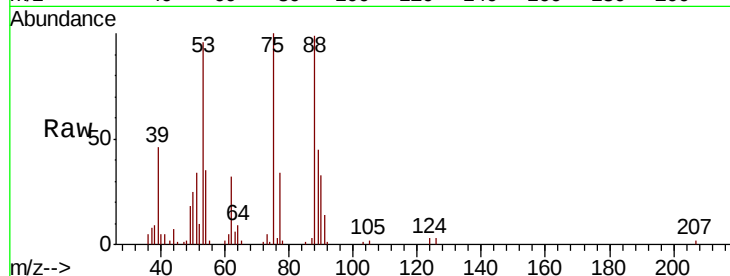
Tot Ion: 75 Resp: 35178

Ion Ratio Lower Upper

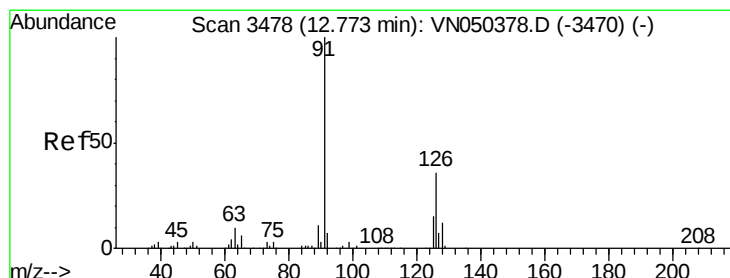
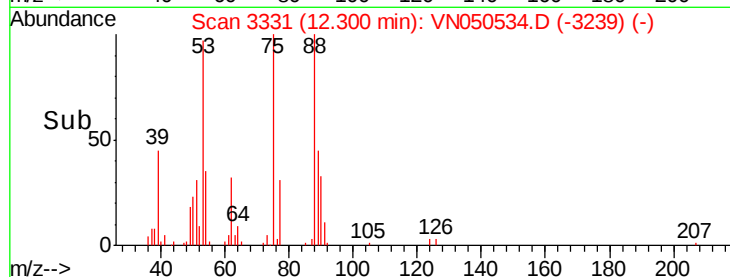
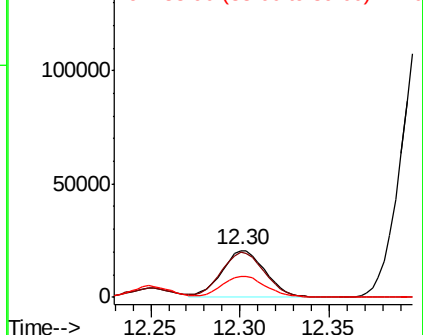
75 100

53 96.6 73.5 110.3

89 45.2 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.31 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050534.D

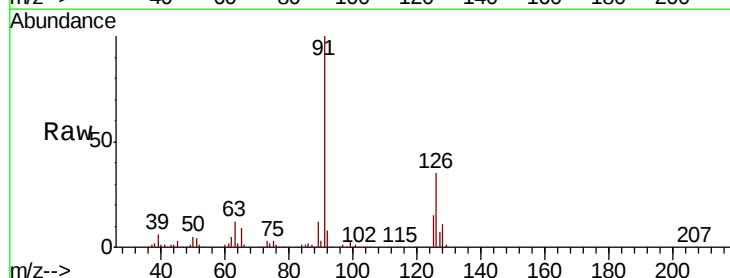
Acq: 10 Aug 2018 22:48

Tgt Ion: 91 Resp: 441769

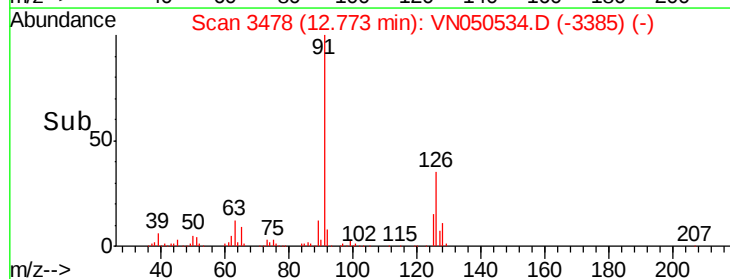
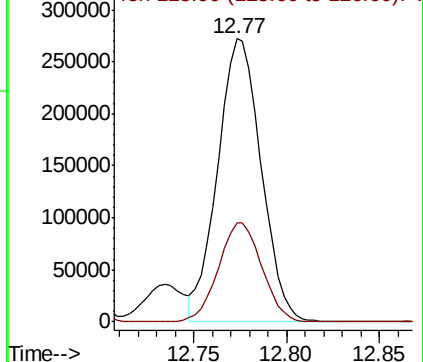
Ion Ratio Lower Upper

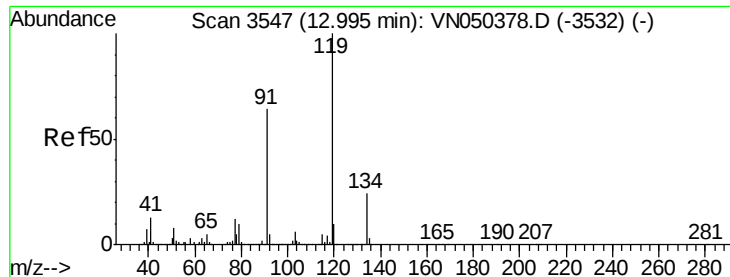
91 100

126 35.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

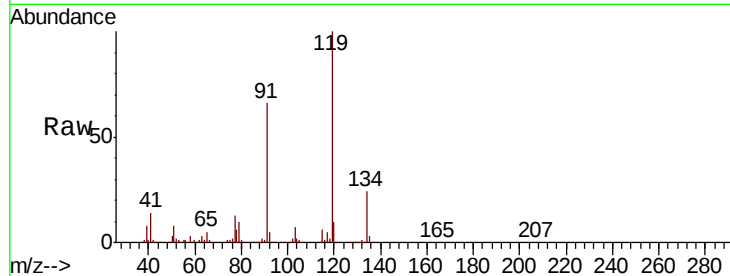
Tot Ion:119 Resp: 446968

Ion Ratio Lower Upper

119 100

91 64.4 32.1 96.3

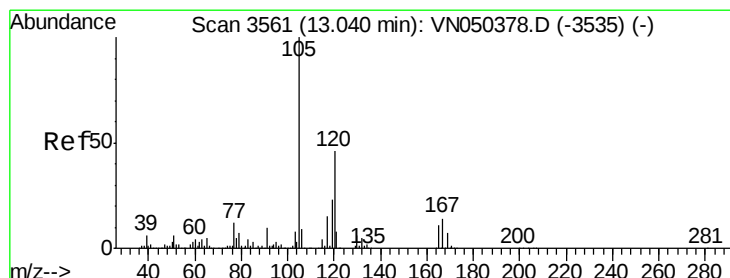
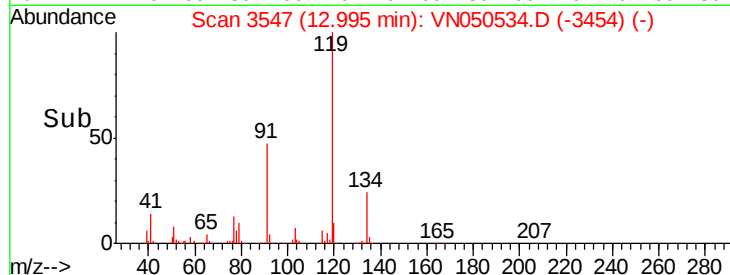
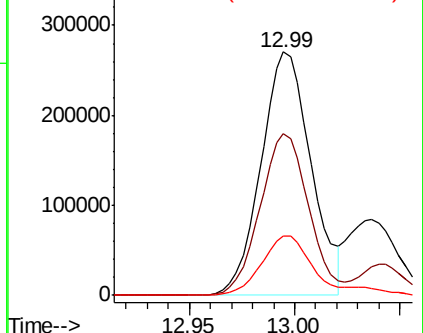
134 24.0 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.00 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050534.D

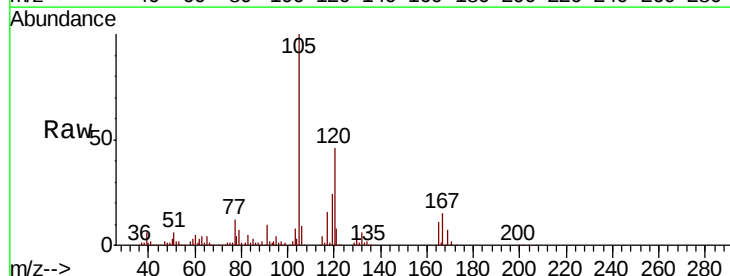
Acq: 10 Aug 2018 22:48

Tgt Ion:105 Resp: 538587

Ion Ratio Lower Upper

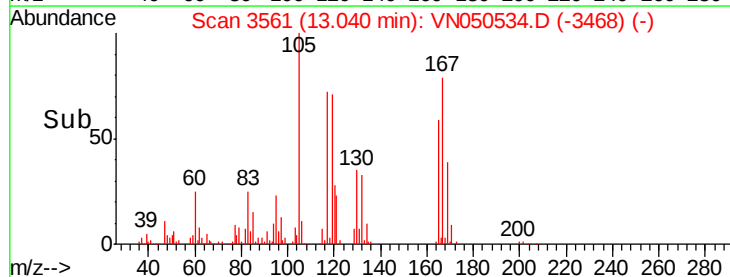
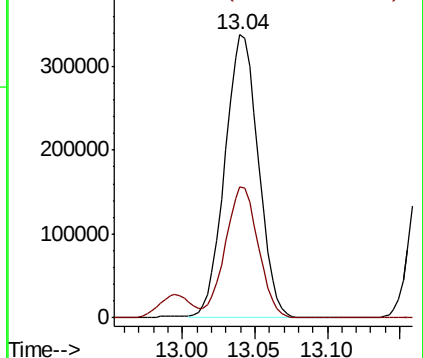
105 100

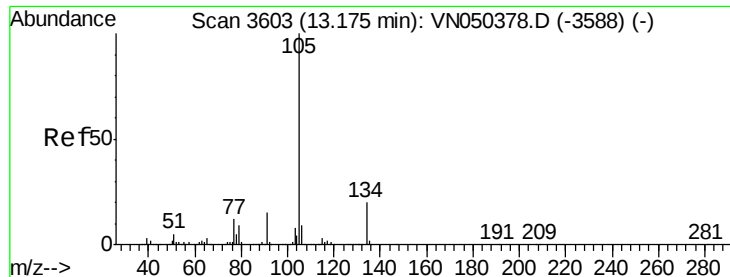
120 45.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.97 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

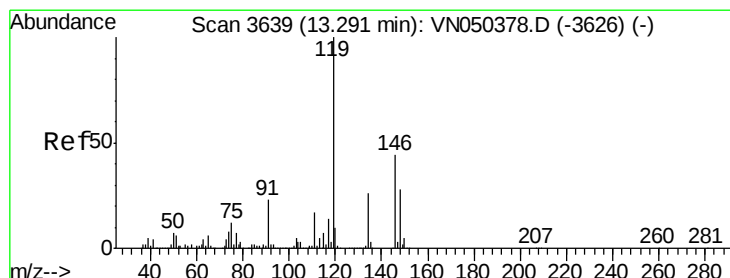
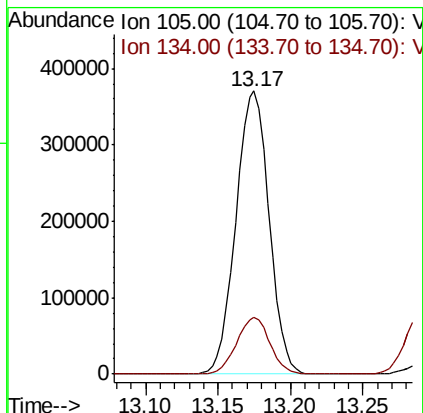
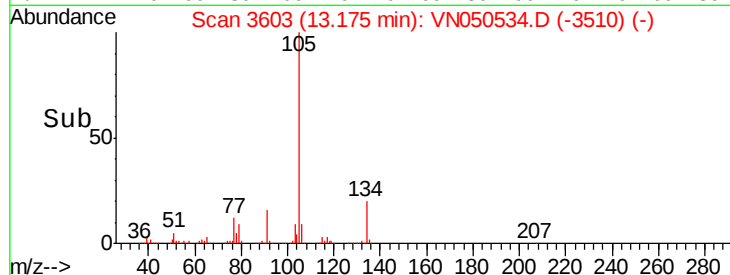
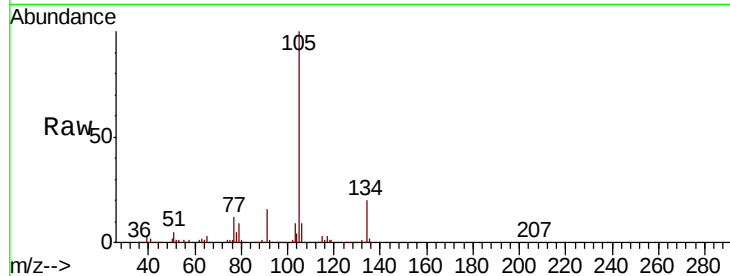
VN0810WBS02

Tot Ion:105 Resp: 587908

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.91 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

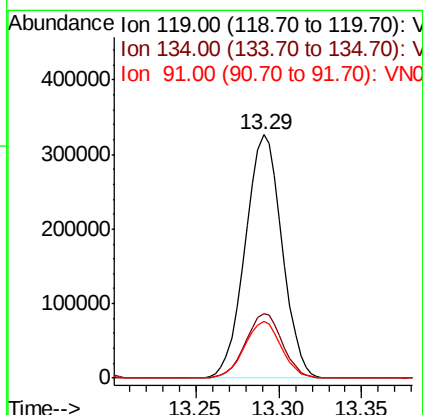
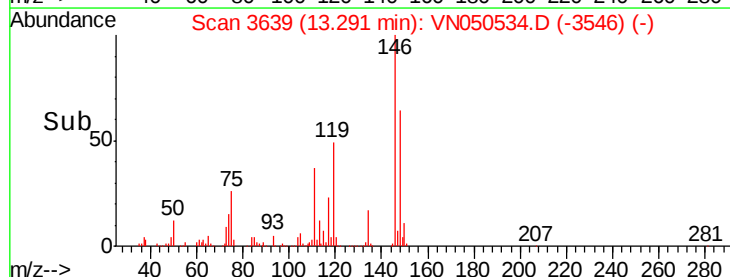
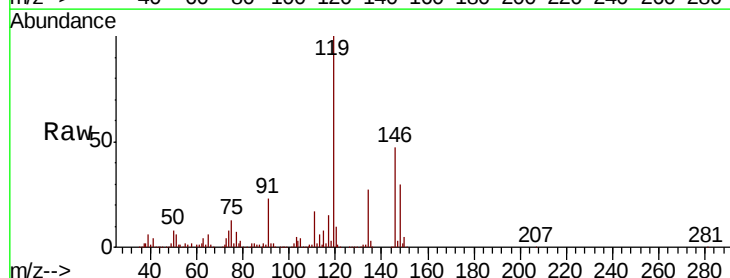
Tgt Ion:119 Resp: 502321

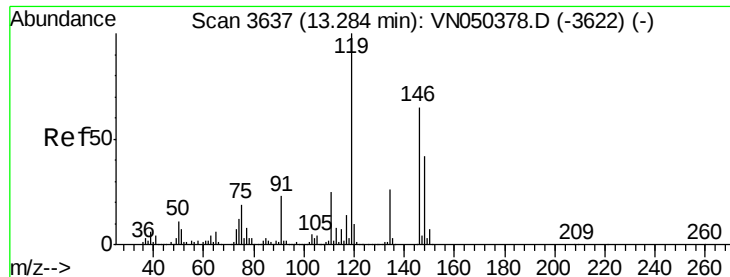
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.0 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.68 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

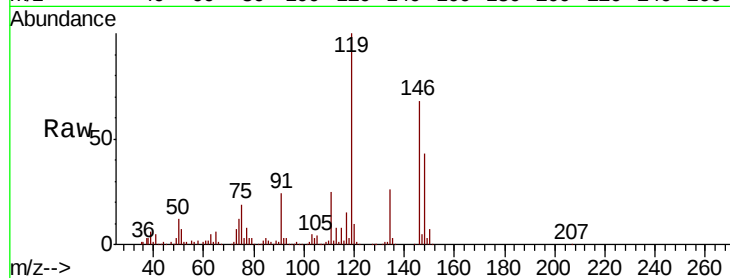
Tot Ion:146 Resp: 292993

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

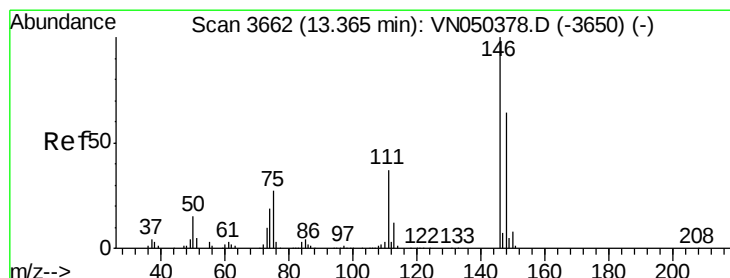
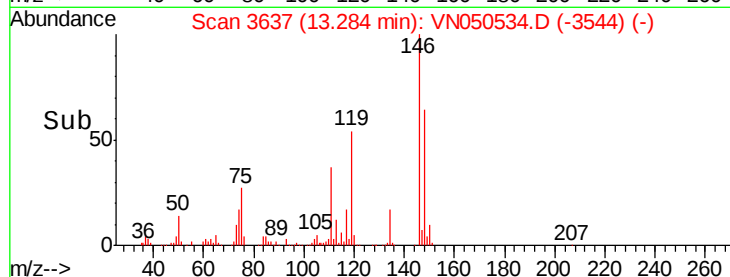
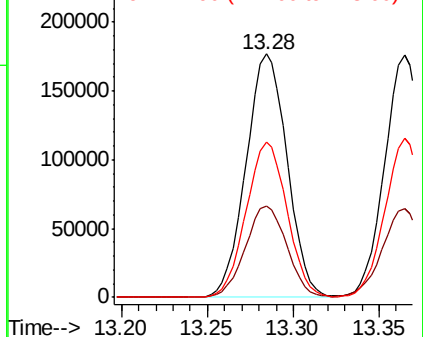
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.11 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

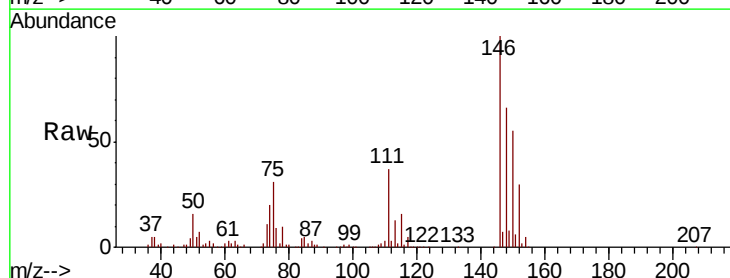
Tgt Ion:146 Resp: 284053

Ion Ratio Lower Upper

146 100

111 38.1 18.3 54.9

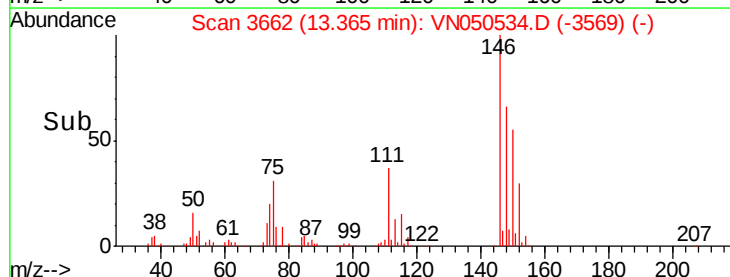
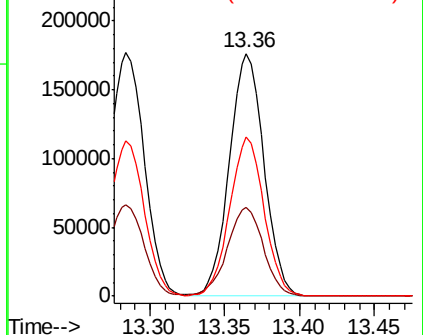
148 65.1 31.9 95.9

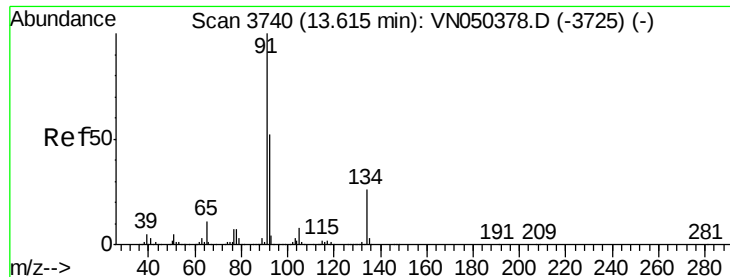


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.66 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

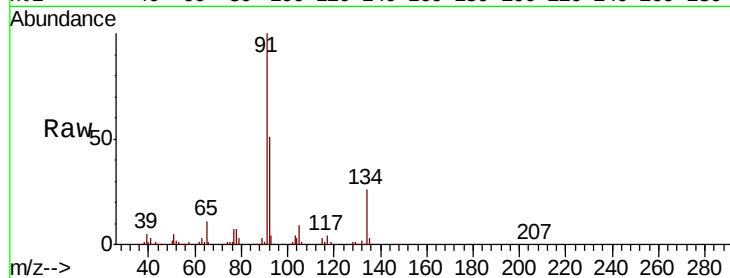
Tot Ion: 91 Resp: 379420

Ion Ratio Lower Upper

91 100

92 50.3 25.8 77.4

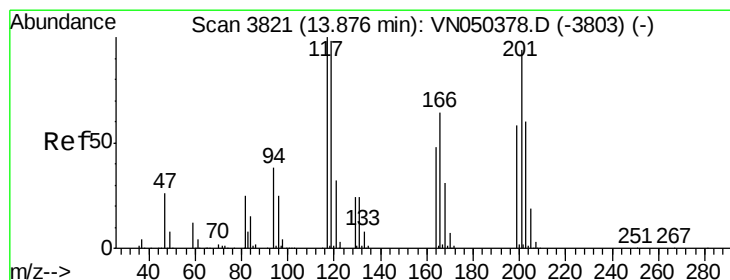
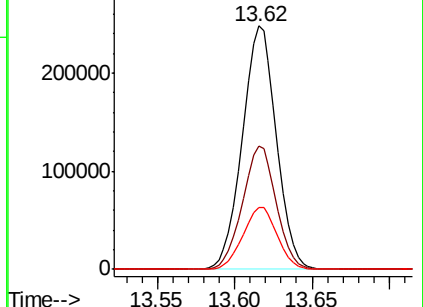
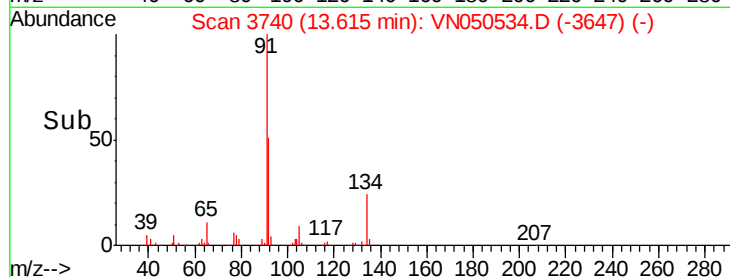
134 25.7 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)



#90

Hexachloroethane

Concen: 19.74 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050534.D

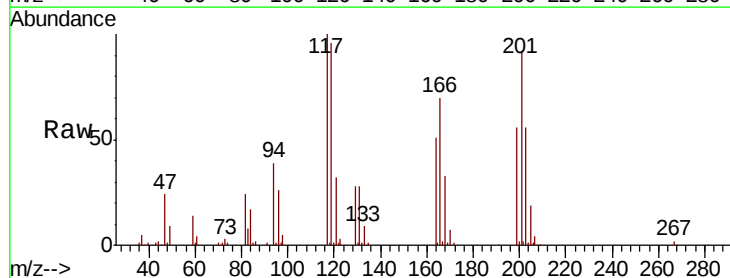
Acq: 10 Aug 2018 22:48

Tgt Ion: 117 Resp: 88588

Ion Ratio Lower Upper

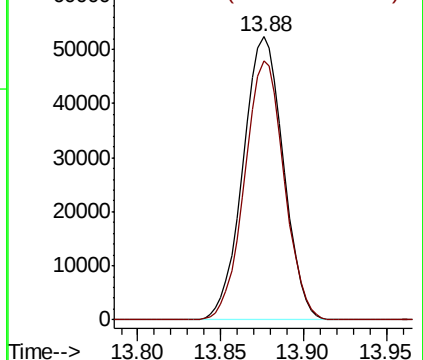
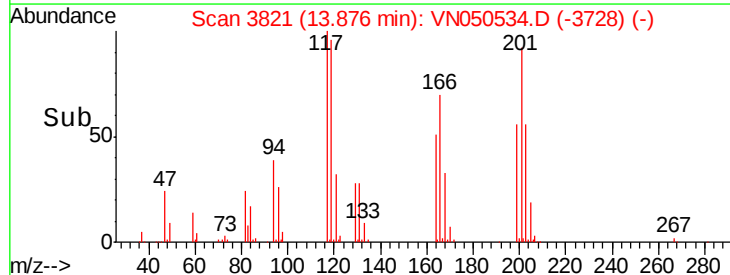
117 100

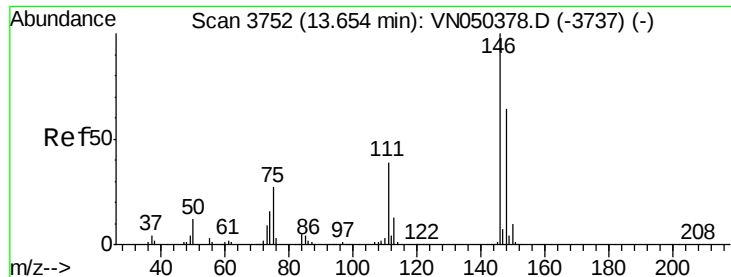
201 89.6 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)





#91

1,2-Dichlorobenzene

Concen: 19.49 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

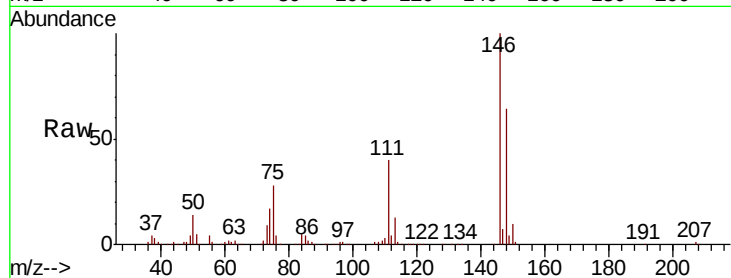
Tot Ion:146 Resp: 290767

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

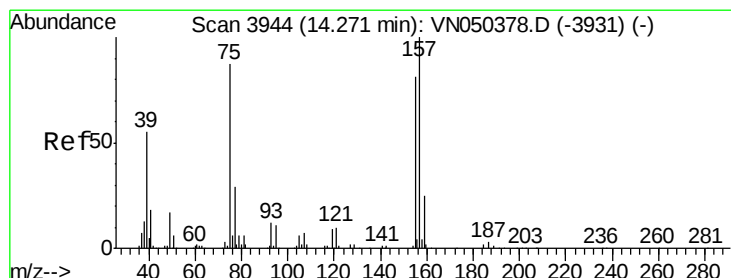
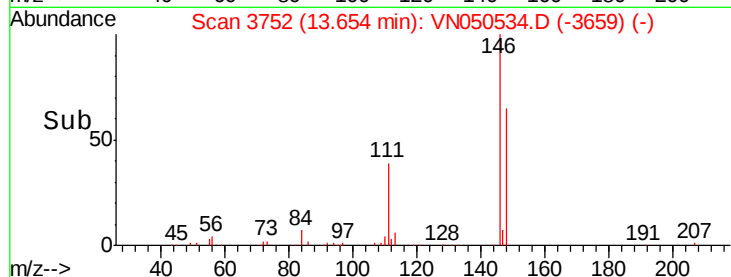
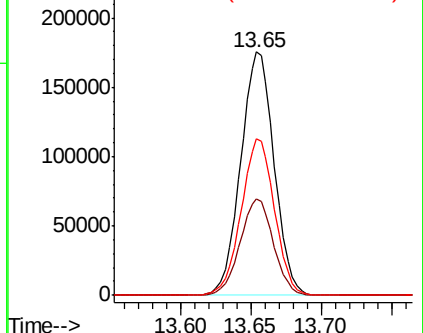
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.14 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

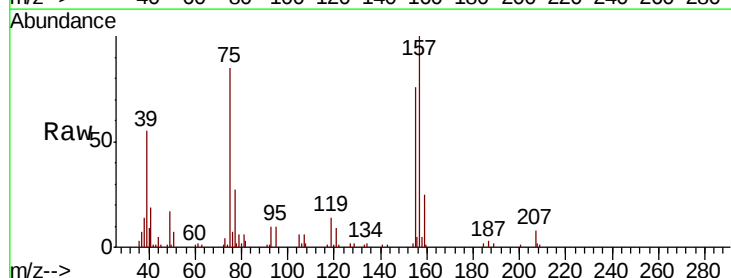
Tgt Ion: 75 Resp: 24661

Ion Ratio Lower Upper

75 100

155 89.5 44.8 134.4

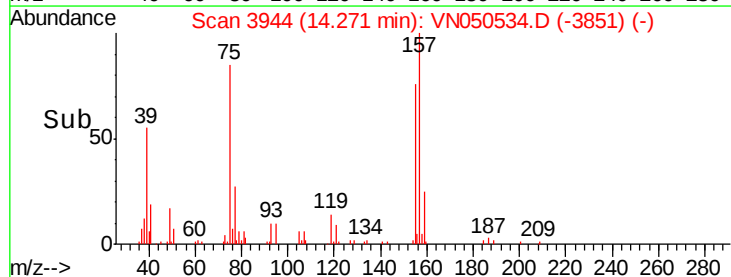
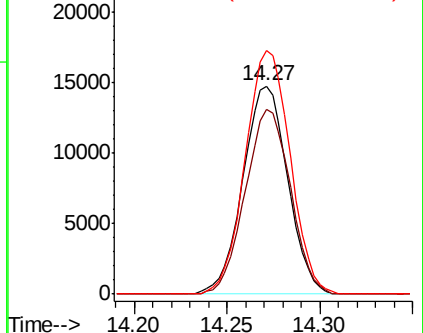
157 117.4 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

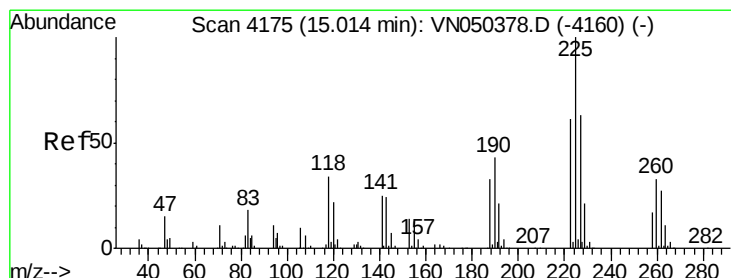
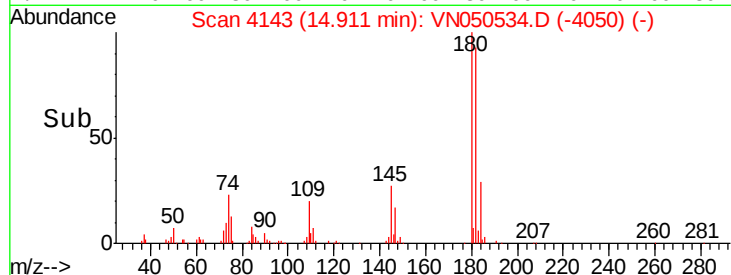
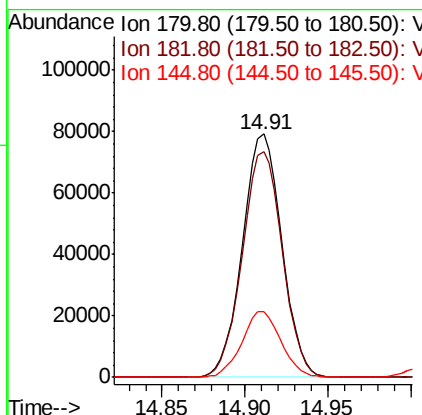
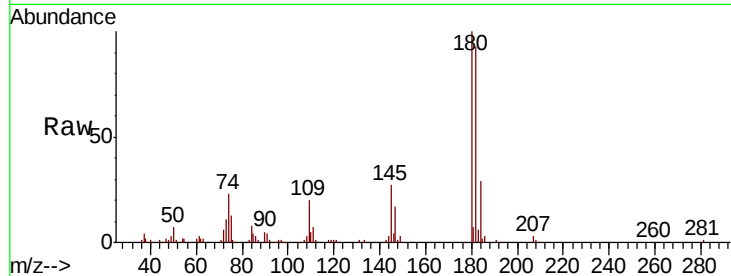




#93
 1,2,4-Trichlorobenzene
 Concen: 17.24 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

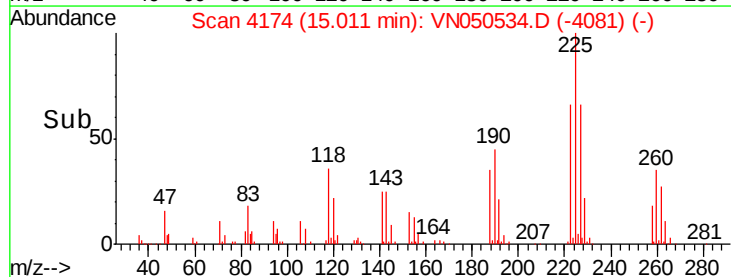
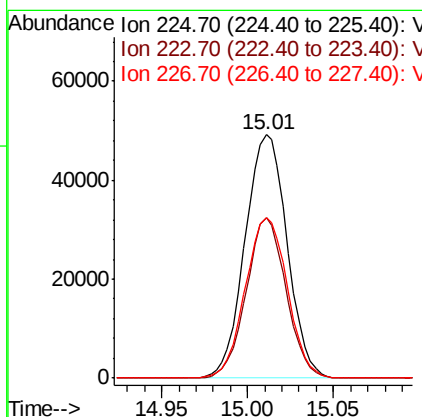
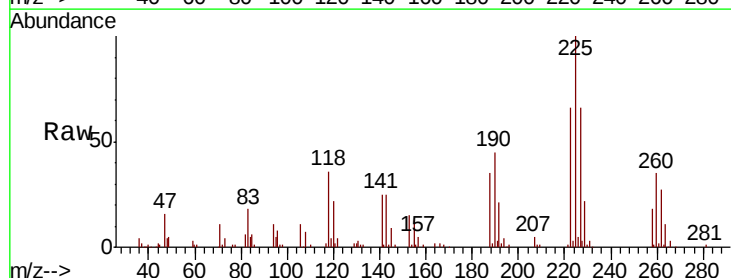
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

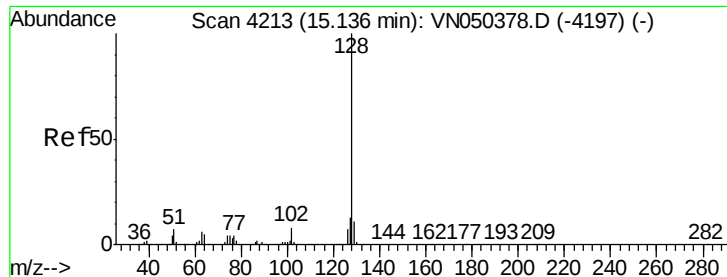
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.7	140.1
145	26.8	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 19.05 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	65.9	32.1	96.5





#95

Naphthalene

Concen: 15.60 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

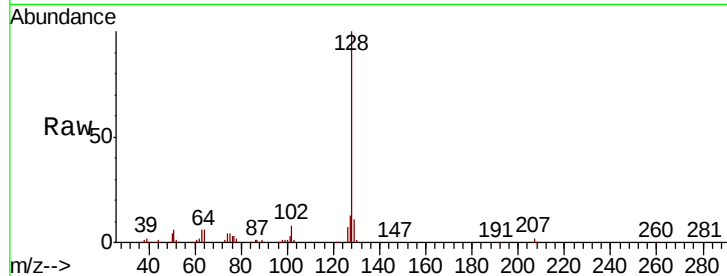
Tot Ion:128 Resp: 259959

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

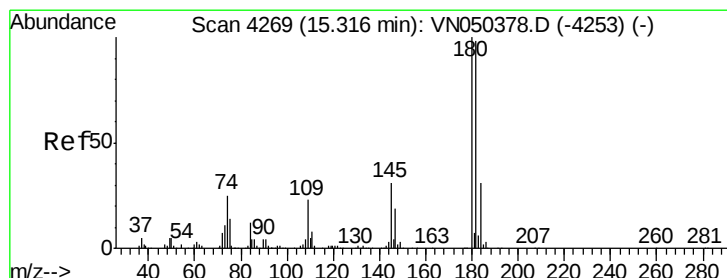
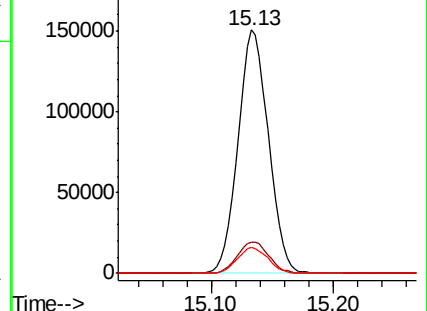
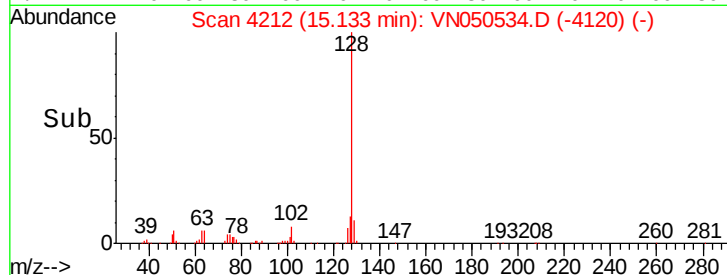
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.73 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

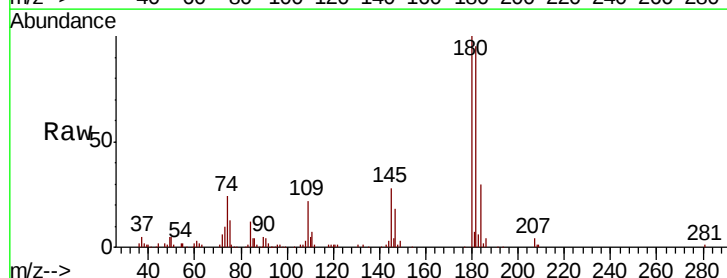
Tgt Ion:180 Resp: 128524

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.4

145 29.5 15.3 45.9



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

