

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050458.D
 Acq On : 8 Aug 2018 14:50
 Operator : MD\SY
 Sample : VN0808MBSD01
 Misc : 5.00µl/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Quant Time: Aug 09 00:55:31 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	759232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1139267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1028169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475805	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	7.59	113	434489	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.09	98	1641803	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.40	95	549118	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158320	18.79	ug/l	100
3) Chloromethane	2.06	50	195914	18.76	ug/l	100
4) Vinyl Chloride	2.18	62	209591	19.21	ug/l	98
5) Bromomethane	2.56	94	119926	22.77	ug/l	99
6) Chloroethane	2.70	64	128952	19.18	ug/l	97
7) Trichlorofluoromethane	3.01	101	274579	19.49	ug/l	99
8) Diethyl Ether	3.41	74	100387	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	163591	18.79	ug/l	98
10) Methyl Iodide	3.95	142	87439	22.79	ug/l	97
11) Tert butyl alcohol	4.79	59	69045	84.73	ug/l	99
12) 1,1-Dichloroethene	3.73	96	157242	19.16	ug/l	96
13) Acrolein	3.61	56	68019	75.33	ug/l	99
14) Allyl chloride	4.32	41	240141	18.22	ug/l	98
15) Acrylonitrile	5.00	53	298901	87.57	ug/l	99
16) Acetone	3.82	43	268554	88.54	ug/l	97
17) Carbon Disulfide	4.05	76	449490	16.84	ug/l	99
18) Methyl Acetate	4.33	43	147192	18.60	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	458766	19.69	ug/l	98
20) Methylene Chloride	4.55	84	182673	18.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	168287	18.95	ug/l	96
22) Diisopropyl ether	5.96	45	528698	19.63	ug/l	96
23) Vinyl Acetate	5.90	43	1809643	94.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	314180	19.01	ug/l	98
25) 2-Butanone	6.84	43	431855	85.91	ug/l	99
26) 2,2-Dichloropropane	6.83	77	241557	17.73	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	193062	19.61	ug/l	98
28) Bromochloromethane	7.20	49	141225	18.57	ug/l	95
29) Tetrahydrofuran	7.22	42	232165	86.29	ug/l	99
30) Chloroform	7.37	83	321678	19.47	ug/l	100
31) Cyclohexane	7.66	56	278302	18.74	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	275667	19.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	239361	19.12	ug/l	100
37) Ethyl Acetate	6.93	43	156052	17.31	ug/l	100
38) Carbon Tetrachloride	7.77	117	244165	18.70	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	247583	18.12	ug/l	98
40) Benzene	8.04	78	734577	19.09	ug/l	99
41) Methacrylonitrile	7.18	41	82108	17.13	ug/l	83
42) 1,2-Dichloroethane	8.13	62	232271	19.01	ug/l	99
43) Isopropyl Acetate	8.17	43	274624	17.65	ug/l	95
44) Trichloroethene	8.84	130	199085	19.25	ug/l	97
45) 1,2-Dichloropropane	9.12	63	186900	18.47	ug/l	98
46) Dibromomethane	9.21	93	117493	18.81	ug/l	97
47) Bromodichloromethane	9.41	83	242102	18.71	ug/l	99
48) Methyl methacrylate	9.20	41	136886	17.55	ug/l	98
49) 1,4-Dioxane	9.20	88	40363	335.73	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	992039	88.52	ug/l	99
52) Toluene	10.16	92	458565	19.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	240153	18.48	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	277543	19.14	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	170837	18.93	ug/l	99
56) Ethyl methacrylate	10.43	69	215729	18.02	ug/l	98
57) 1,3-Dichloropropane	10.71	76	282167	19.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	494560	88.02	ug/l	98
59) 2-Hexanone	10.75	43	653395	83.54	ug/l	98
60) Dibromochloromethane	10.90	129	182965	18.40	ug/l	98
61) 1,2-Dibromoethane	11.01	107	169330	19.04	ug/l	99
64) Tetrachloroethene	10.63	164	195260	20.32	ug/l	98
65) Chlorobenzene	11.44	112	504008	19.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	181330	19.33	ug/l	97
67) Ethyl Benzene	11.51	91	836875	20.09	ug/l	99
68) m/p-Xylenes	11.62	106	649455	40.94	ug/l	99
69) o-Xylene	11.95	106	314128	20.56	ug/l	99
70) Styrene	11.97	104	500393	20.14	ug/l	100
71) Bromoform	12.13	173	127030	18.53	ug/l #	99
73) Isopropylbenzene	12.25	105	829188	21.63	ug/l	100
74) N-amyl acetate	12.07	43	231430	18.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	208383	18.84	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	254733	27.55	ug/l #	100
77) Bromobenzene	12.53	156	214915	20.92	ug/l	98
78) n-propylbenzene	12.59	91	906882	20.90	ug/l	99
79) 2-Chlorotoluene	12.68	91	561069	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668683	21.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50133	19.05	ug/l	96
82) 4-Chlorotoluene	12.77	91	560741	20.98	ug/l	100
83) tert-Butylbenzene	12.99	119	580719	21.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	685303	21.73	ug/l	99
85) sec-Butylbenzene	13.17	105	736333	20.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	639046	20.60	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	365137	19.96	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354333	19.39	ug/l	98
89) n-Butylbenzene	13.62	91	494809	18.74	ug/l	99
90) Hexachloroethane	13.88	117	103613	18.79	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	359069	19.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31677	16.86	ug/l	98

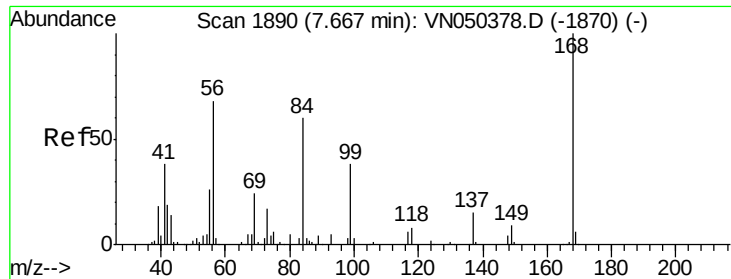
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QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169655	18.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	107040	19.99	ug/l	97
95) Naphthalene	15.14	128	390244	18.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166206	17.60	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

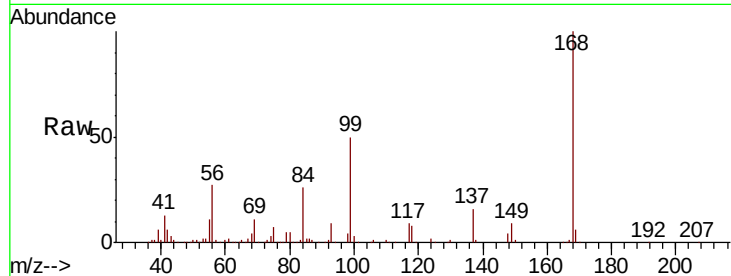
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion:168 Resp: 759232

Ion Ratio Lower Upper

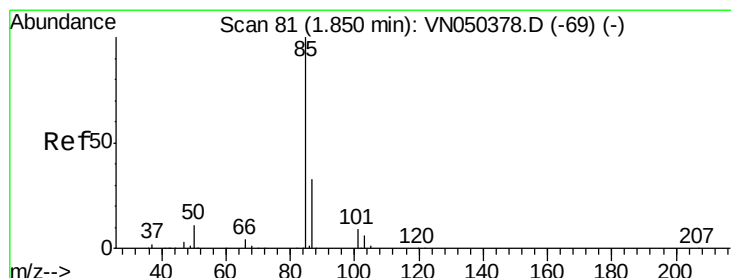
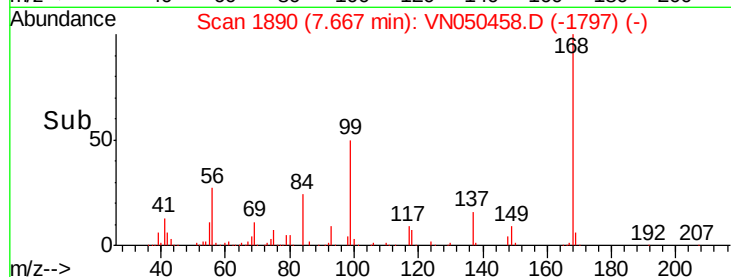
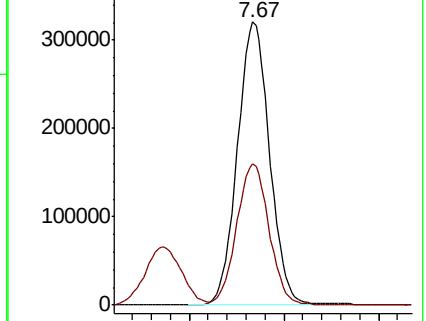
168 100

99 49.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.79 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050458.D

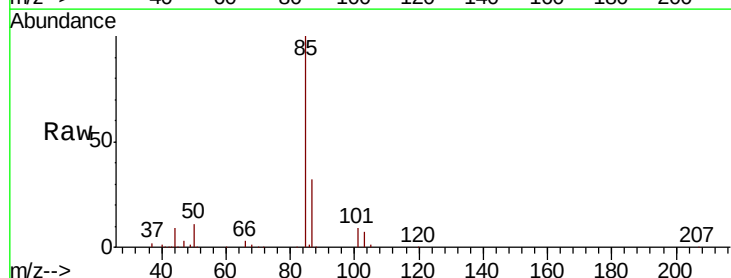
Acq: 8 Aug 2018 14:50

Tgt Ion: 85 Resp: 158320

Ion Ratio Lower Upper

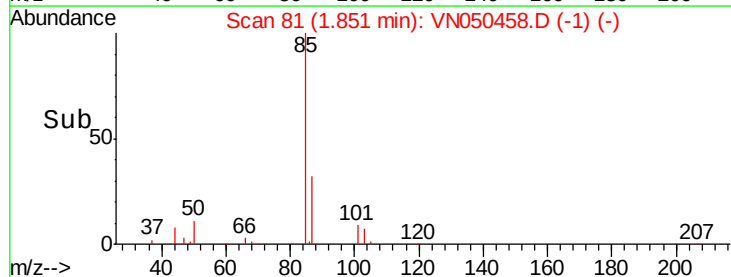
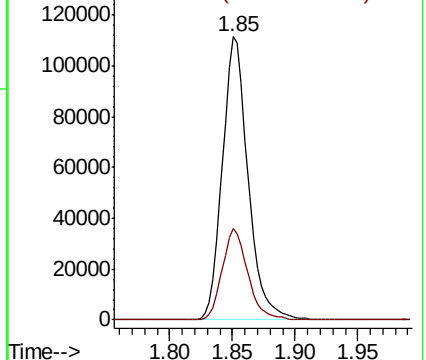
85 100

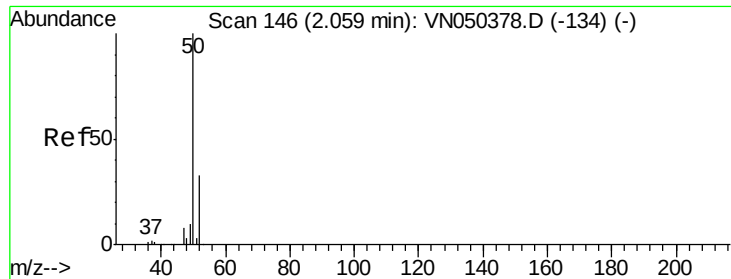
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.76 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

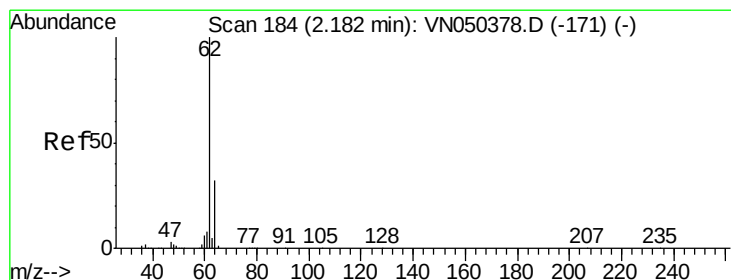
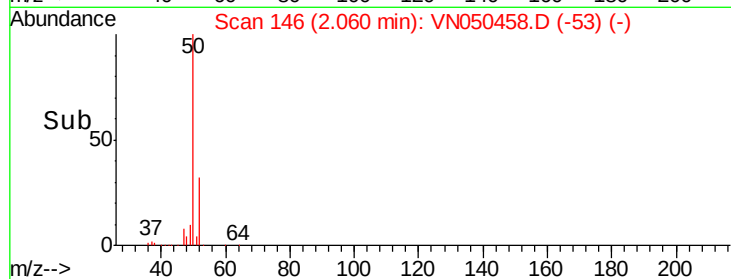
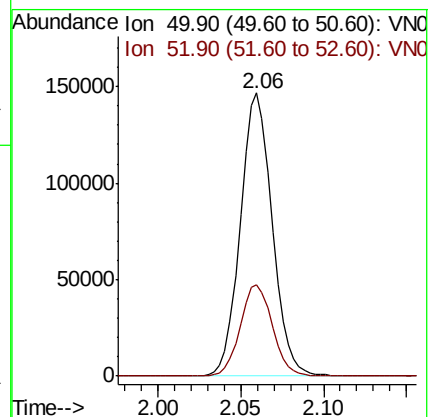
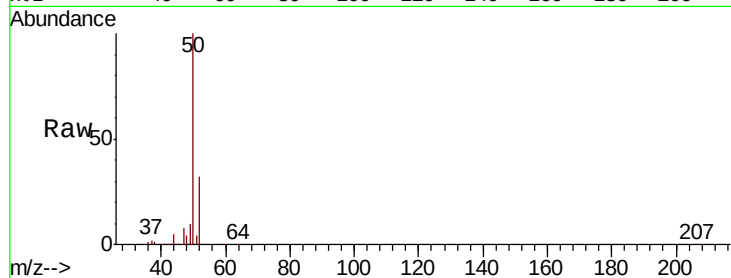
VN0808MBSD01

Tot Ion: 50 Resp: 195914

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050458.D

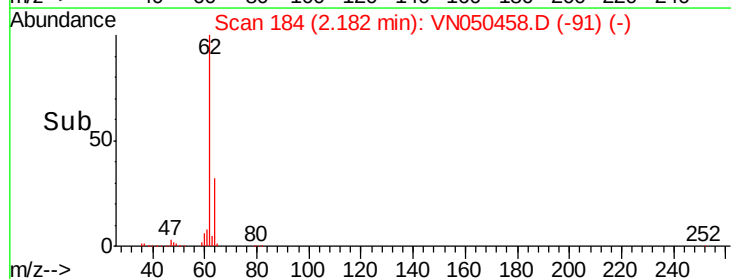
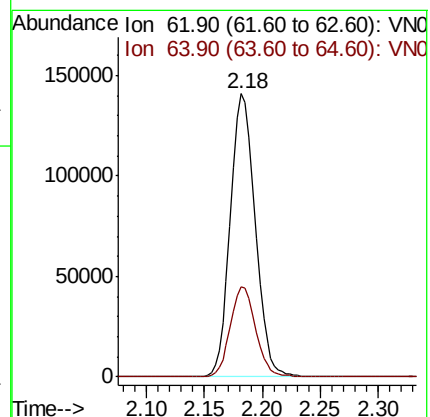
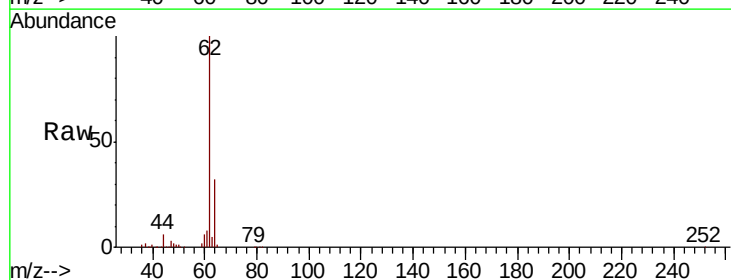
Acq: 8 Aug 2018 14:50

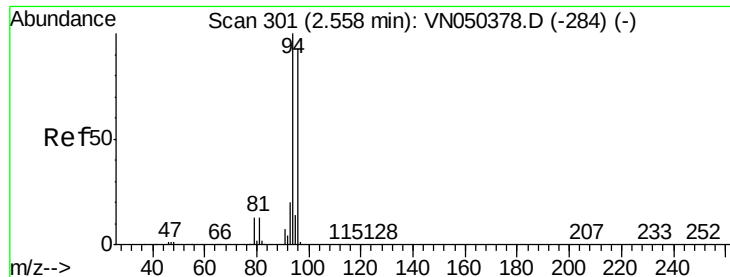
Tgt Ion: 62 Resp: 209591

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 22.77 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

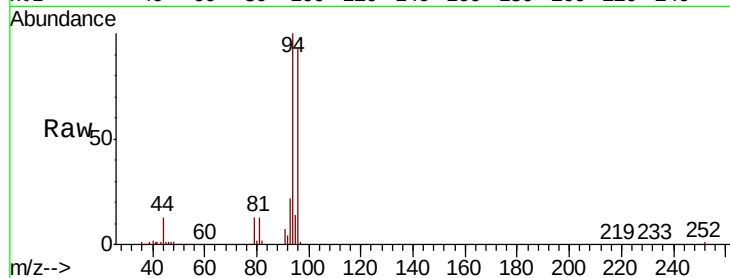
VN0808MBSD01

Tot Ion: 94 Resp: 119926

Ion Ratio Lower Upper

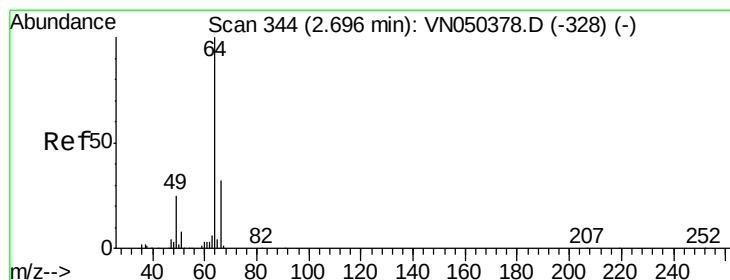
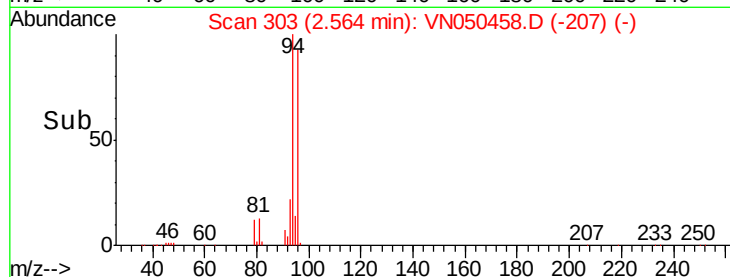
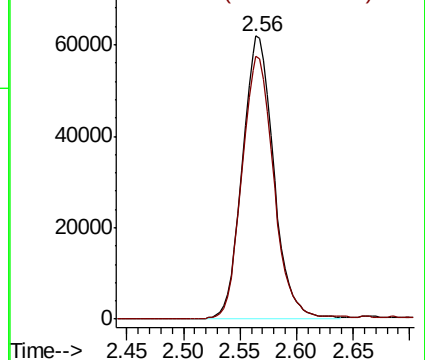
94 100

96 92.7 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: 19.18 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050458.D

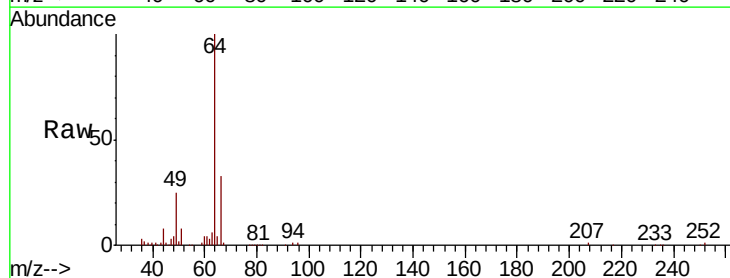
Acq: 8 Aug 2018 14:50

Tgt Ion: 64 Resp: 128952

Ion Ratio Lower Upper

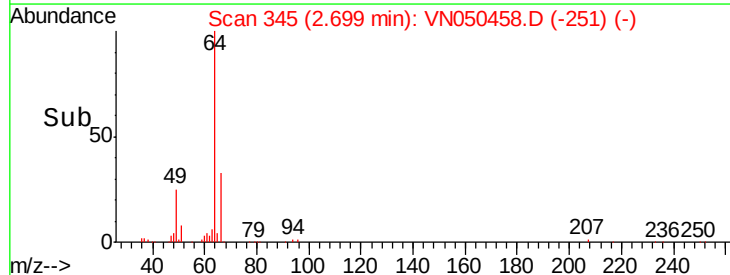
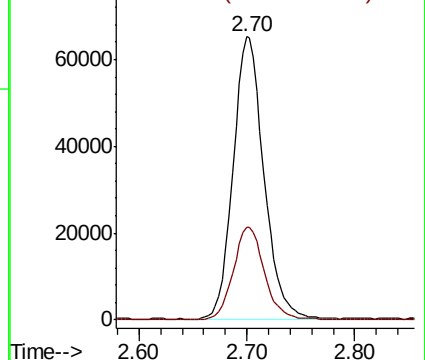
64 100

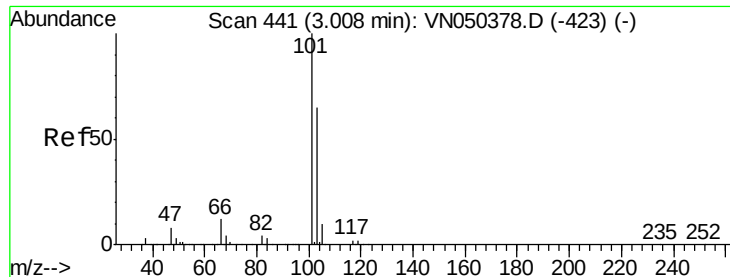
66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.49 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

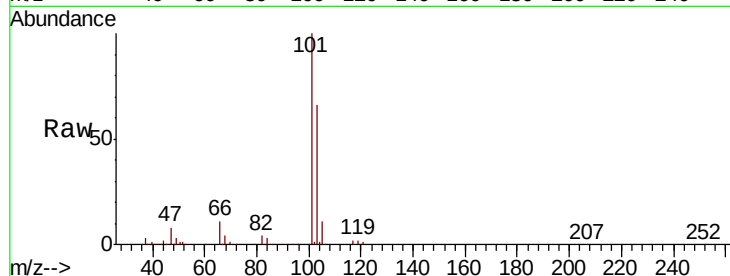
VN0808MBSD01

Tot Ion:101 Resp: 274579

Ion Ratio Lower Upper

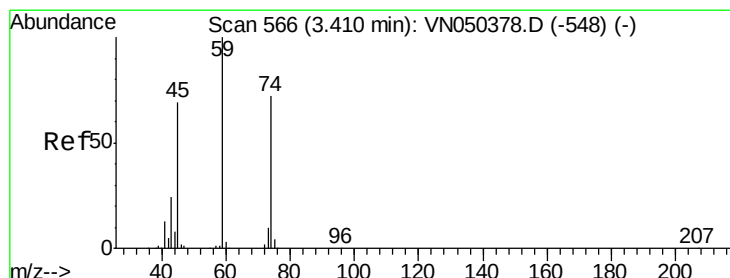
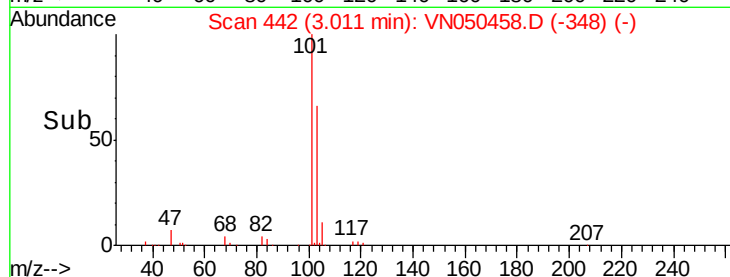
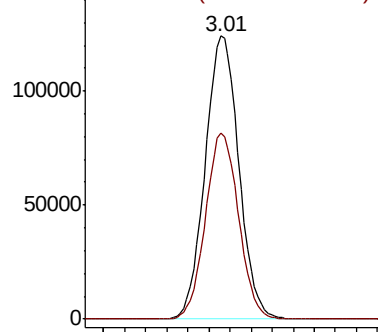
101 100

103 65.6 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: 19.43 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050458.D

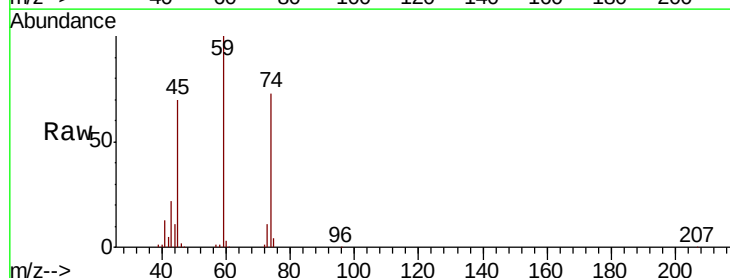
Acq: 8 Aug 2018 14:50

Tgt Ion: 74 Resp: 100387

Ion Ratio Lower Upper

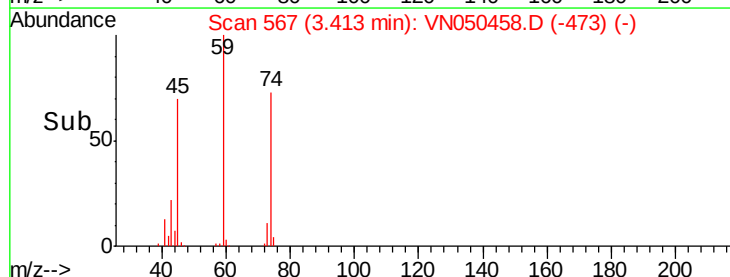
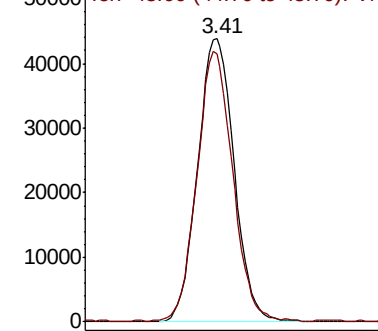
74 100

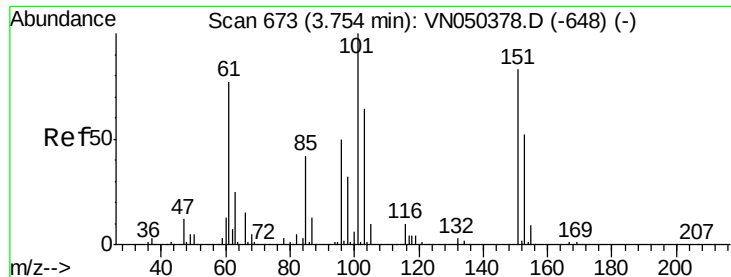
45 94.2 47.6 142.8



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: 18.79 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampled :

VN0808MBSD01

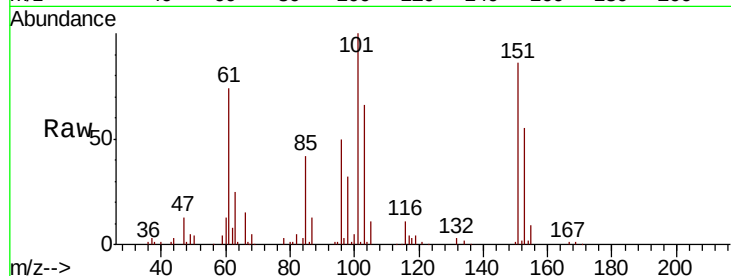
Tot Ion:101 Resp: 163591

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

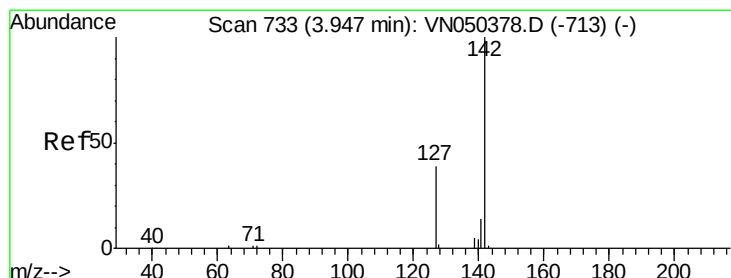
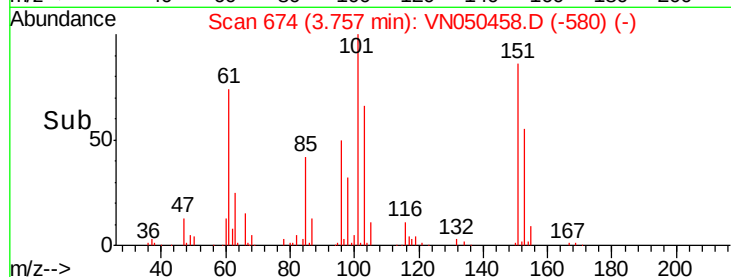
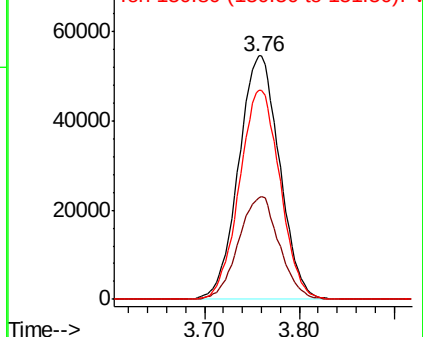
151 85.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.79 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

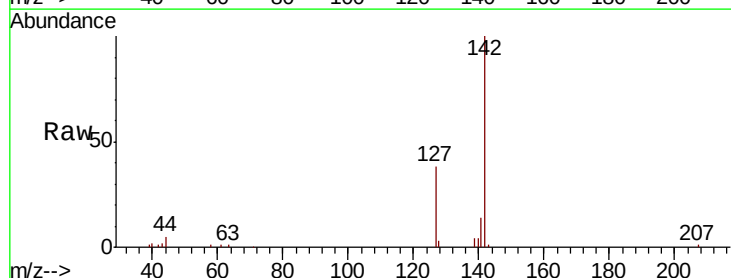
Tgt Ion:142 Resp: 87439

Ion Ratio Lower Upper

142 100

127 38.9 33.4 50.2

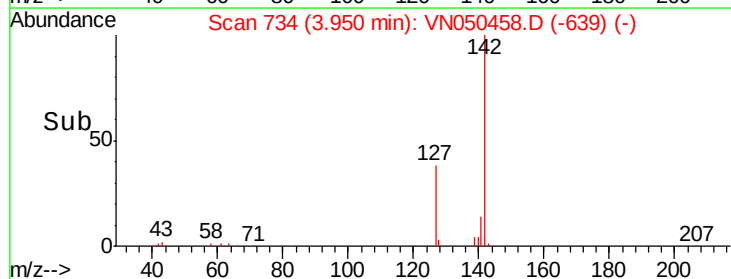
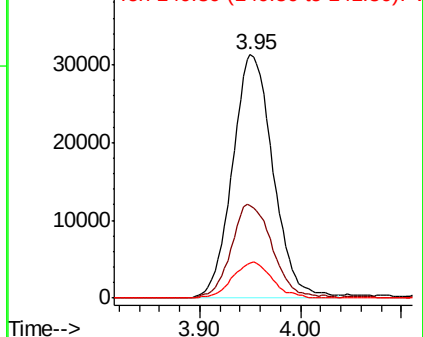
141 14.4 11.6 17.4

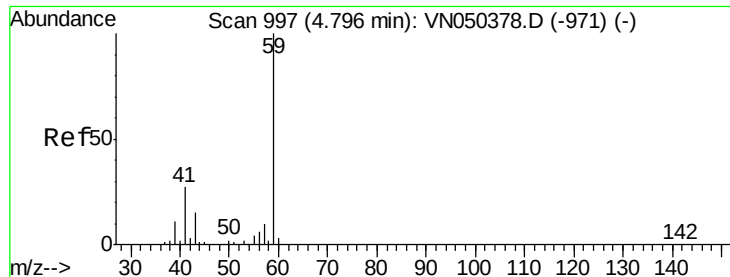


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

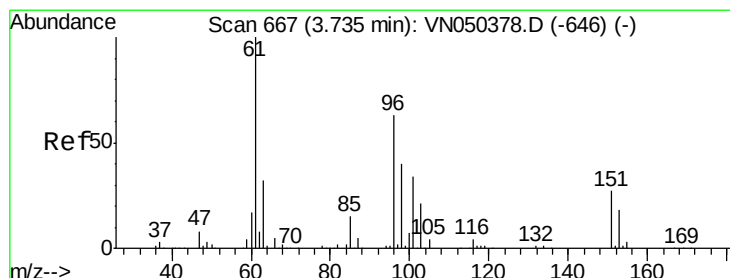
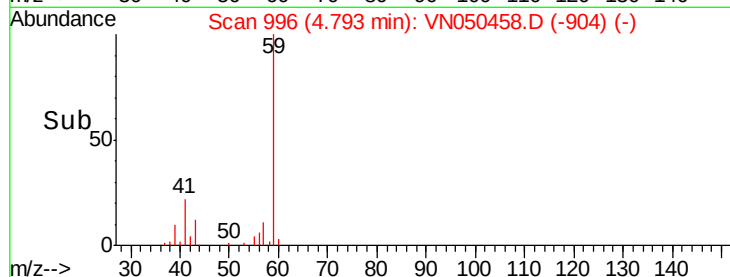
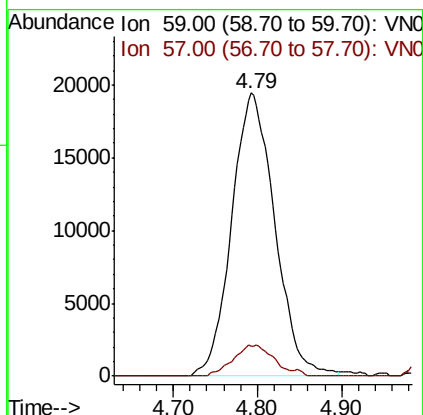
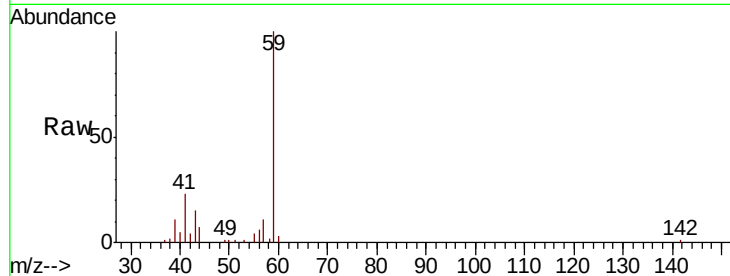




#11
Tert butyl alcohol
Concen: 84.73 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

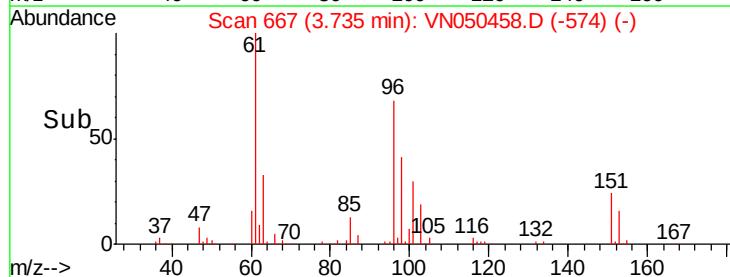
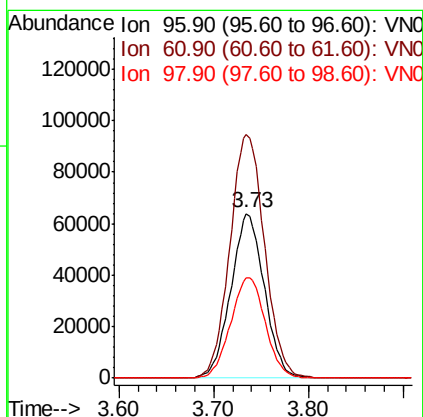
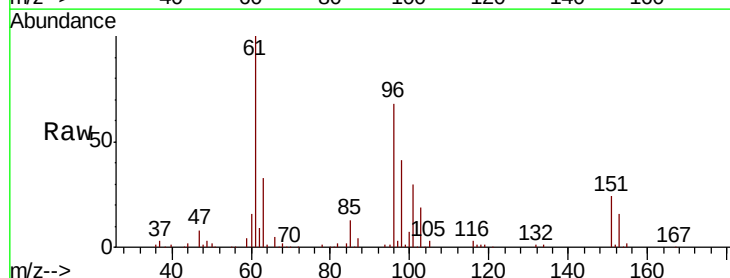
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

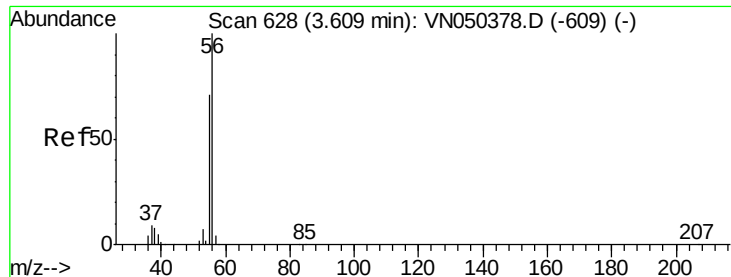
Tot Ion: 59 Resp: 69045
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.16 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 96 Resp: 157242
Ion Ratio Lower Upper
96 100
61 147.7 124.4 186.6
98 60.6 48.3 72.5





#13

Acrolein

Concen: 75.33 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

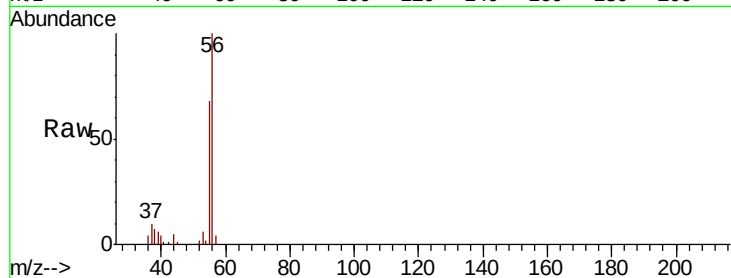
VN0808MBSD01

Tot Ion: 56 Resp: 68019

Ion Ratio Lower Upper

56 100

55 69.1 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

30000

25000

20000

15000

10000

5000

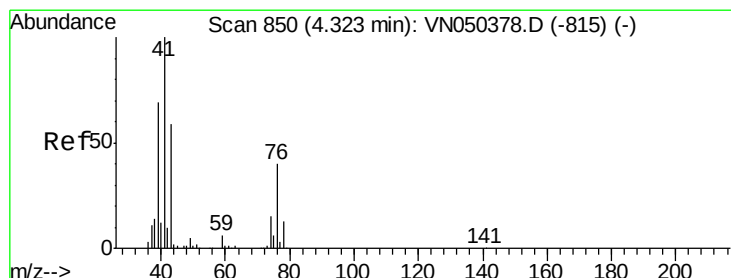
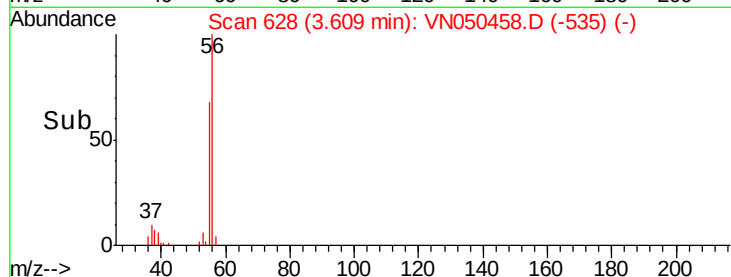
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.22 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

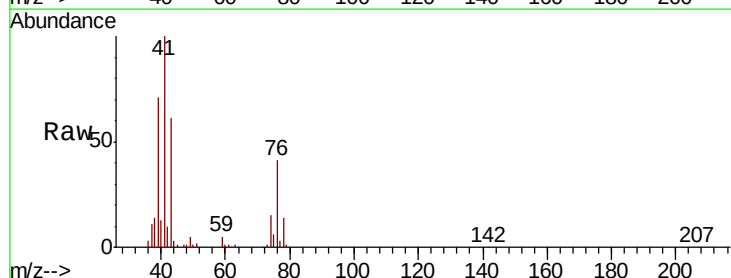
Tgt Ion: 41 Resp: 240141

Ion Ratio Lower Upper

41 100

39 67.4 54.2 81.4

76 39.0 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

40000

20000

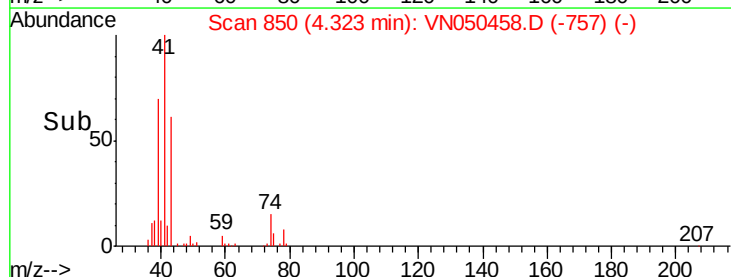
0

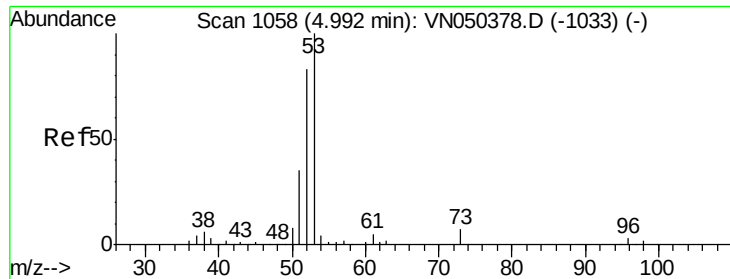
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 87.57 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

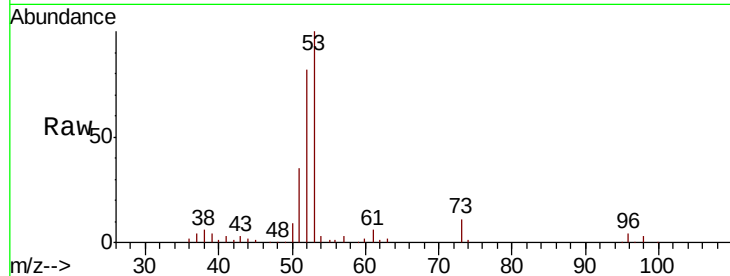
Tot Ion: 53 Resp: 298901

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

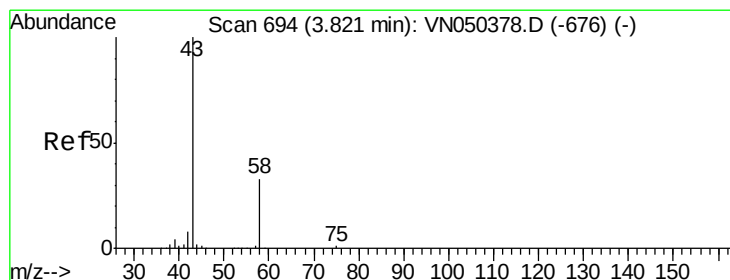
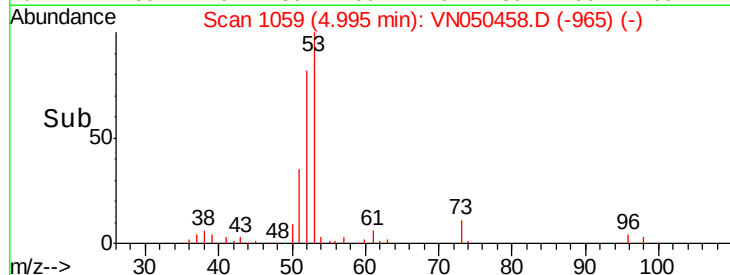
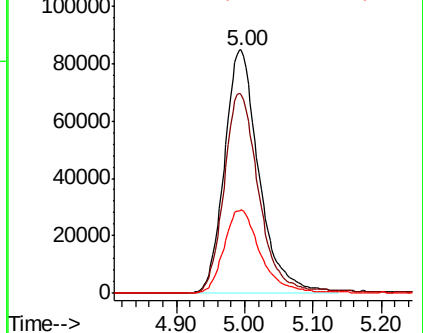
51 36.2 29.3 43.9



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: 88.54 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050458.D

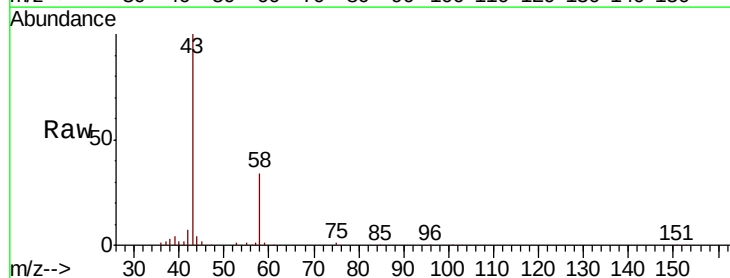
Acq: 8 Aug 2018 14:50

Tgt Ion: 43 Resp: 268554

Ion Ratio Lower Upper

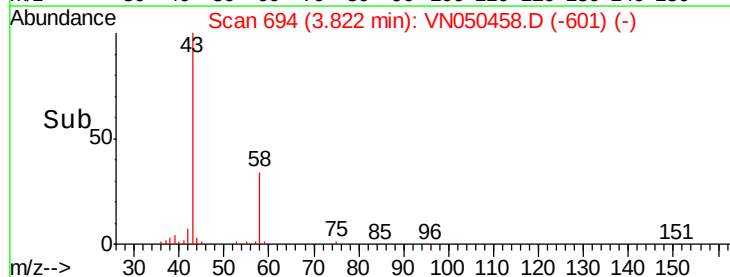
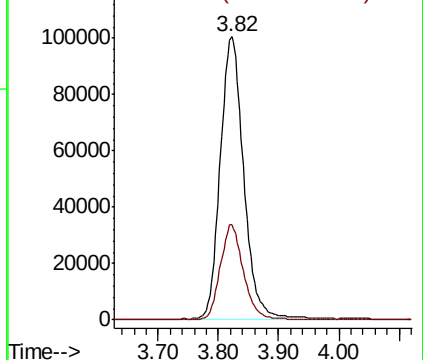
43 100

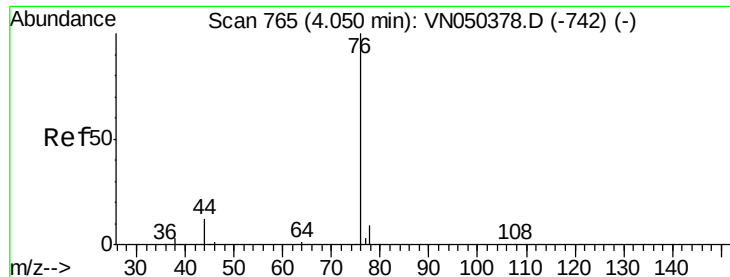
58 33.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.84 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

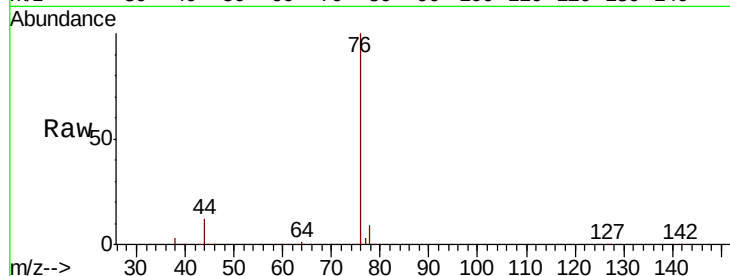
VN0808MBSD01

Tot Ion: 76 Resp: 449490

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

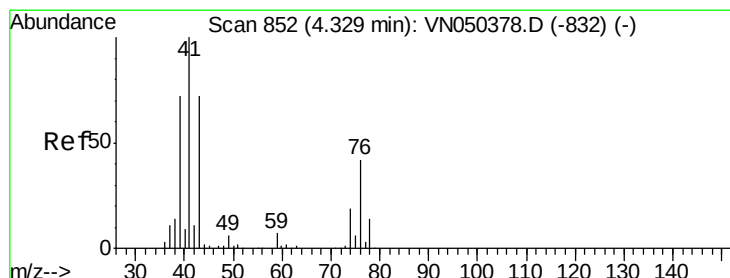
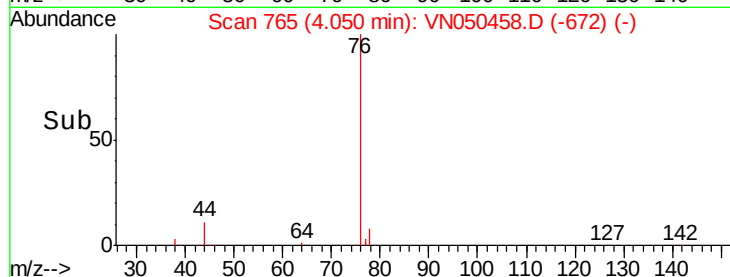
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.60 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050458.D

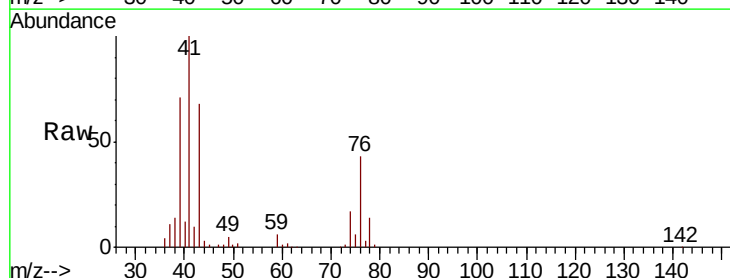
Acq: 8 Aug 2018 14:50

Tgt Ion: 43 Resp: 147192

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

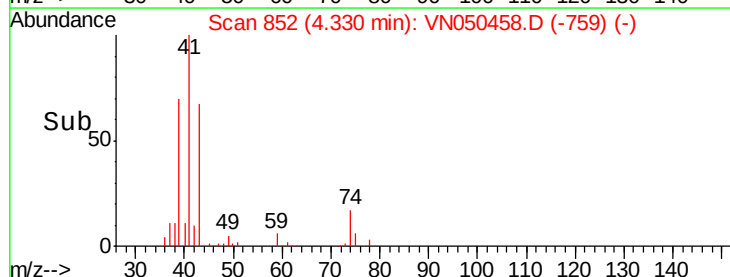
30000

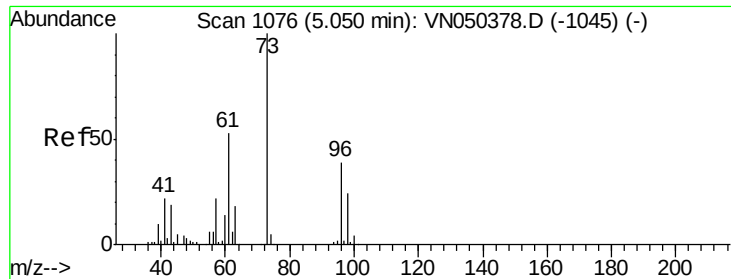
20000

10000

0

Time--> 4.20 4.30 4.40

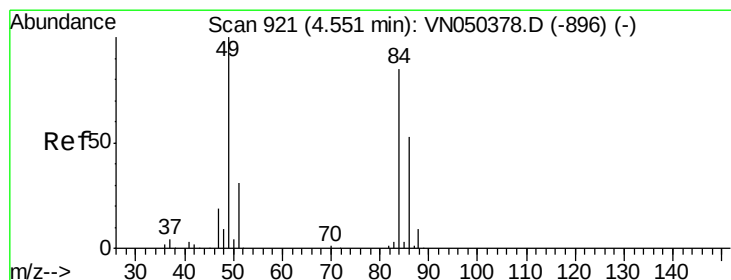
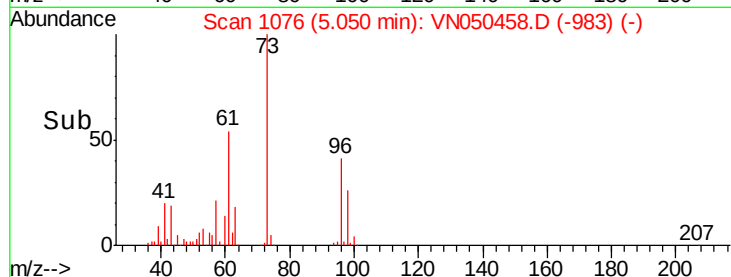
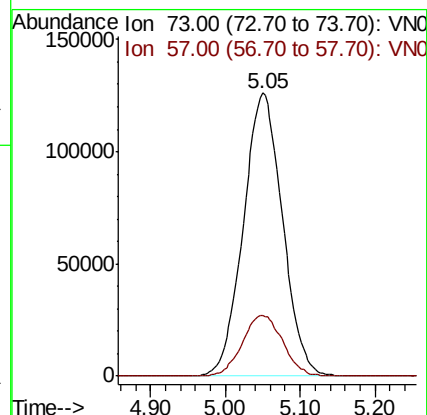
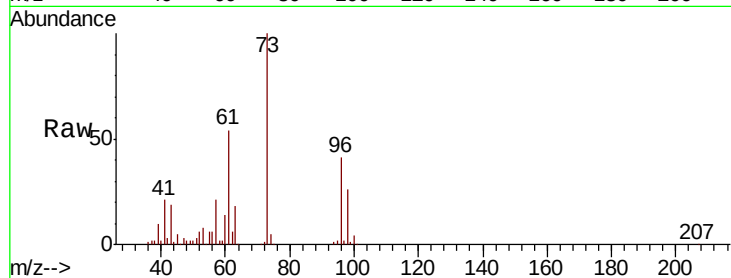




#19
Methvl tert-butvl Ether
Concen: 19.69 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

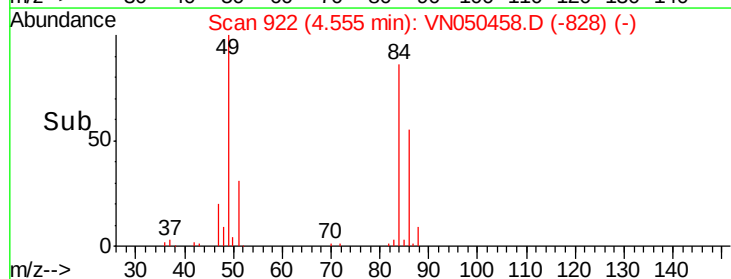
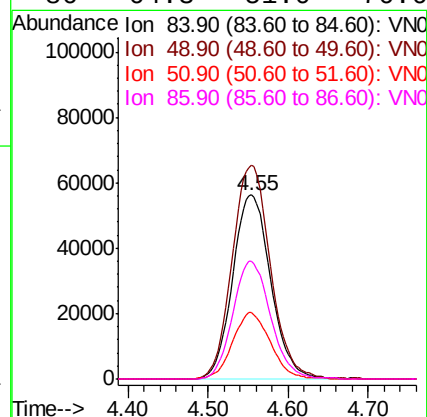
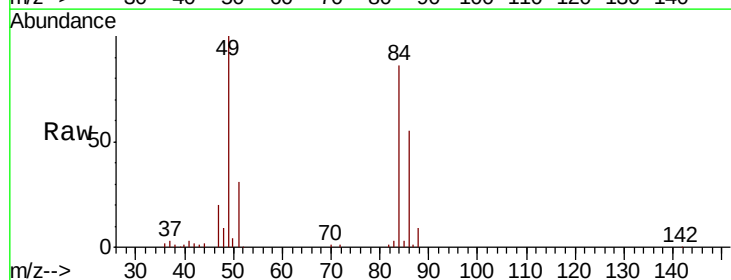
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

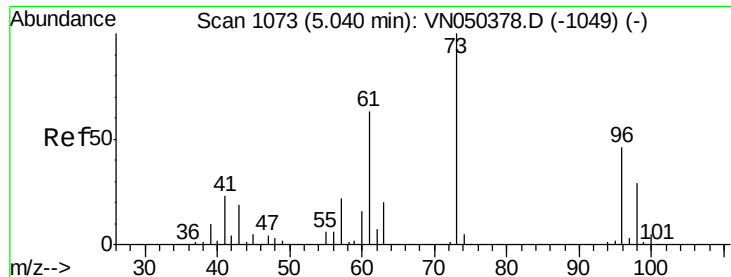
Tot Ion: 73 Resp: 458766
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0



#20
Methylene Chloride
Concen: 18.78 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 84 Resp: 182673
Ion Ratio Lower Upper
84 100
49 116.1 94.8 142.2
51 35.9 28.3 42.5
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

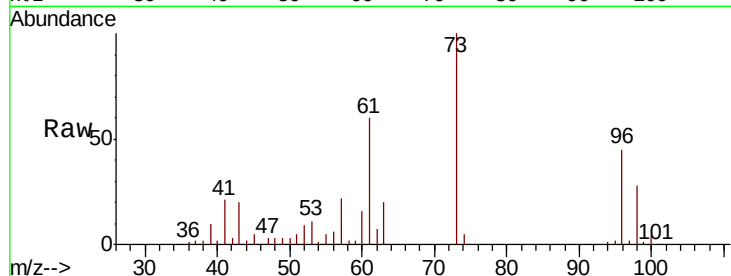
Tot Ion: 96 Resp: 168287

Ion Ratio Lower Upper

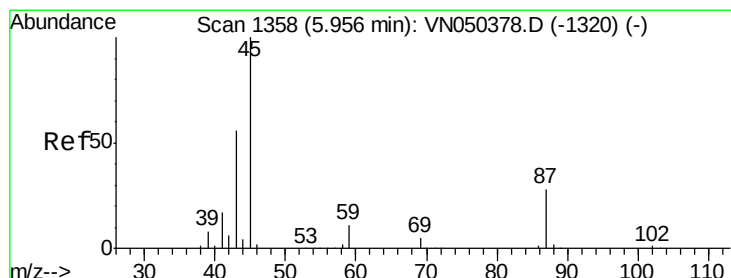
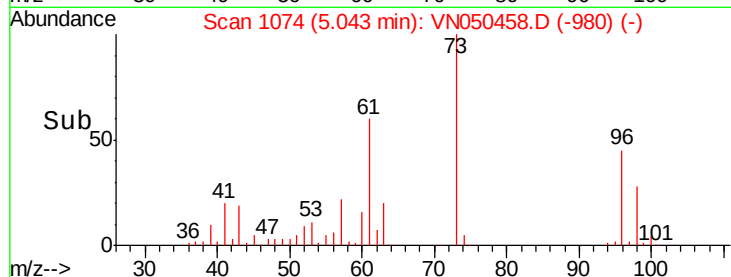
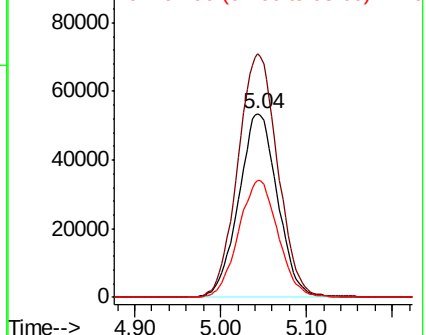
96 100

61 132.6 110.7 166.1

98 63.5 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: 19.63 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion: 45 Resp: 528698

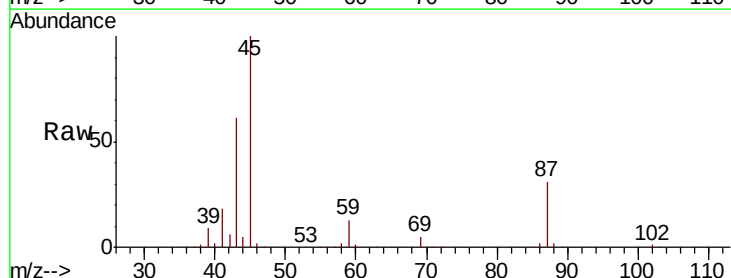
Ion Ratio Lower Upper

45 100

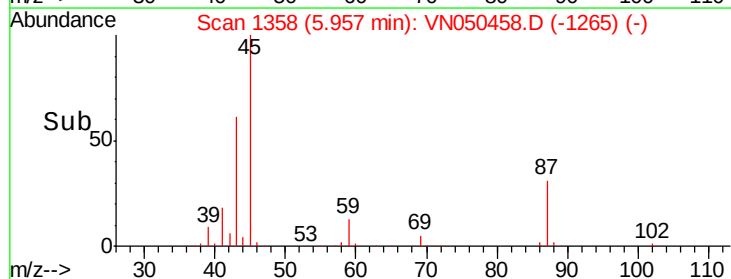
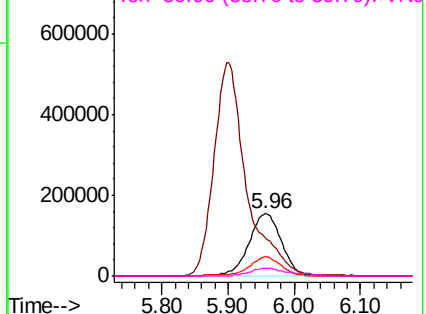
43 59.8 45.7 68.5

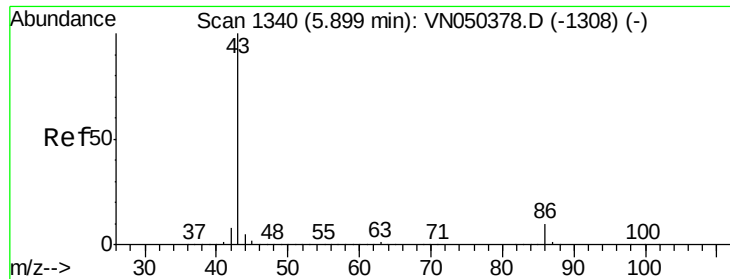
87 30.9 22.7 34.1

59 12.4 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: 94.19 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

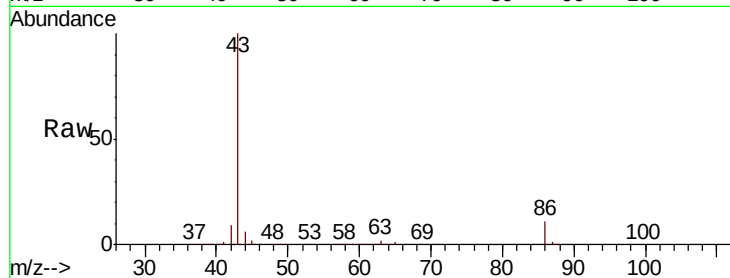
VN0808MBSD01

Tot Ion: 43 Resp: 1809643

Ion Ratio Lower Upper

43 100

86 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

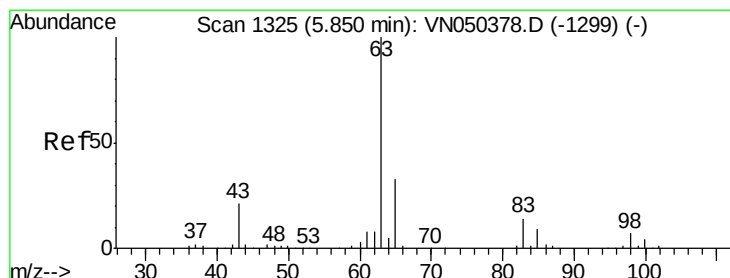
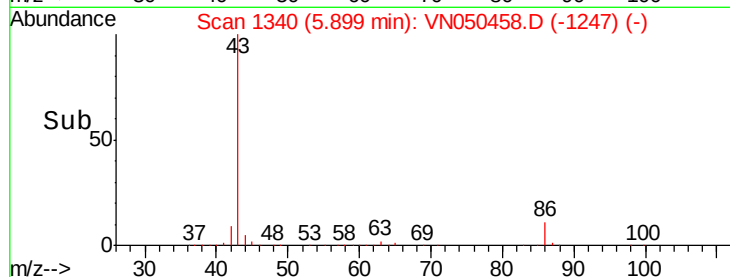
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.01 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

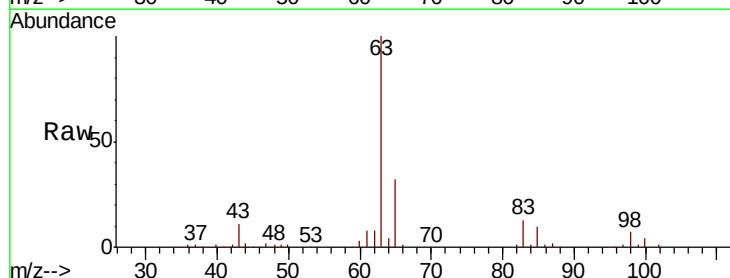
Tgt Ion: 63 Resp: 314180

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

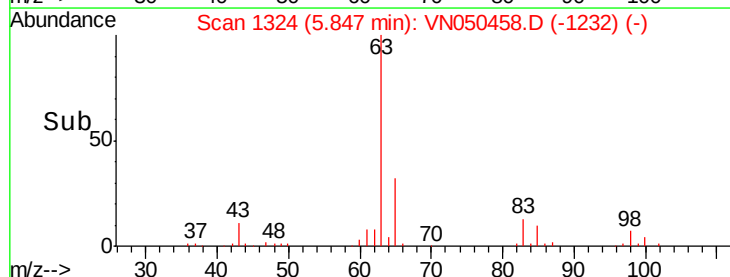
60000

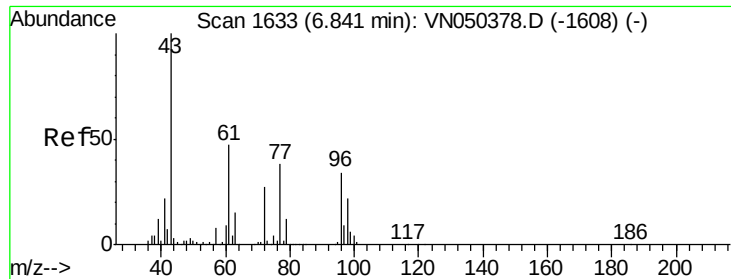
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

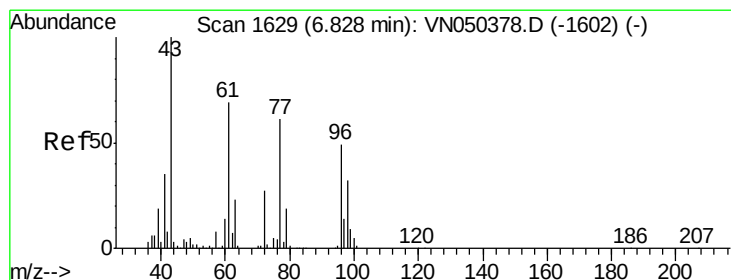
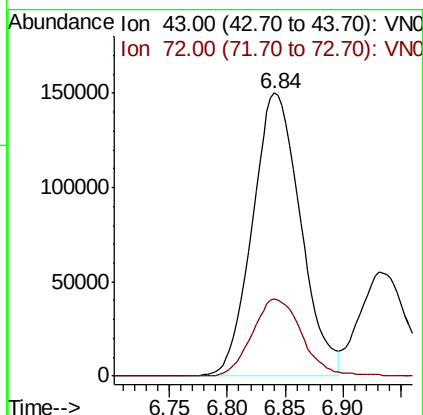
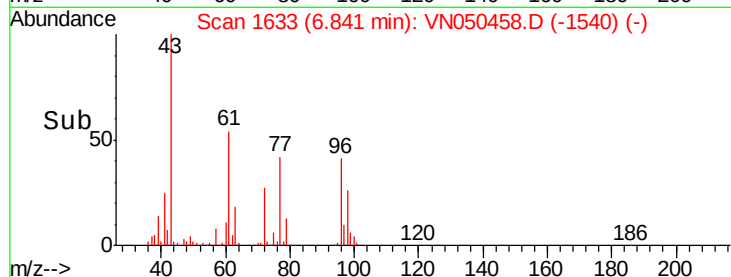
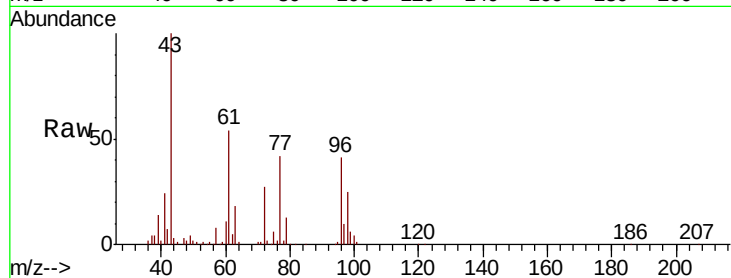




#25
2-Butanone
Concen: 85.91 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

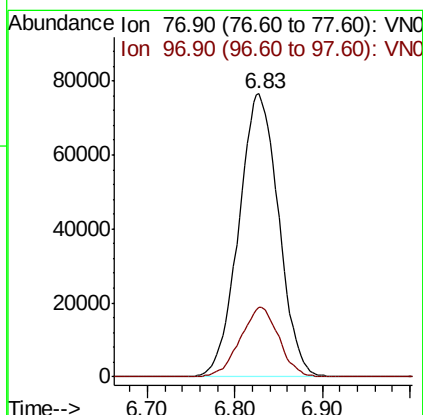
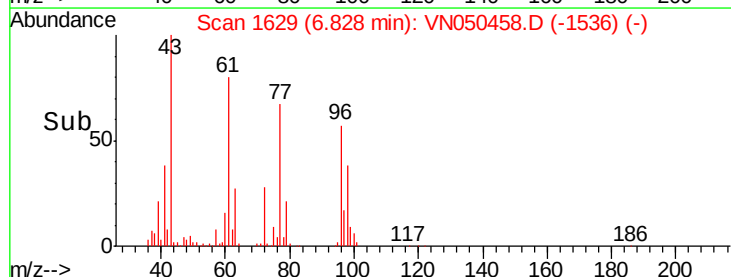
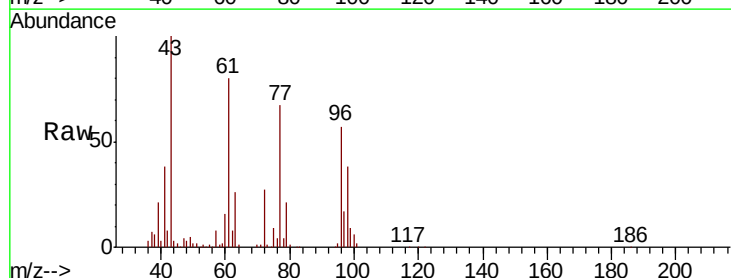
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

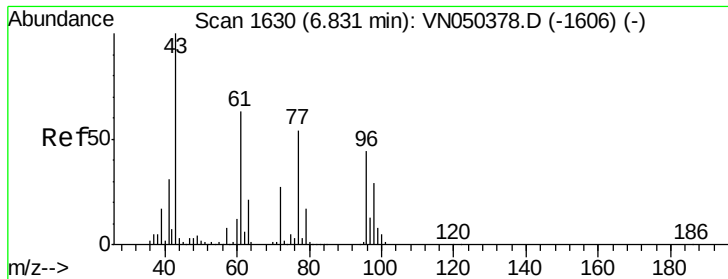
Tot Ion: 43 Resp: 431855
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3



#26
2,2-Dichloropropane
Concen: 17.73 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 77 Resp: 241557
Ion Ratio Lower Upper
77 100
97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

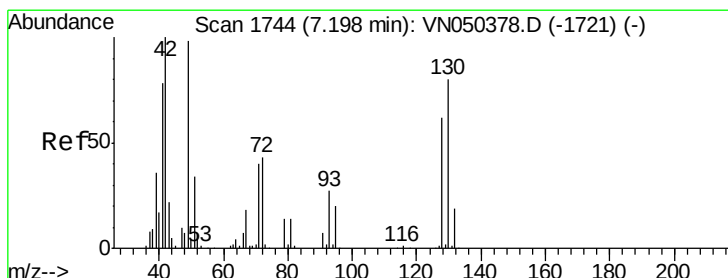
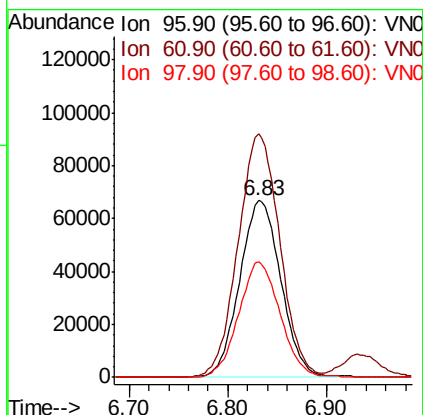
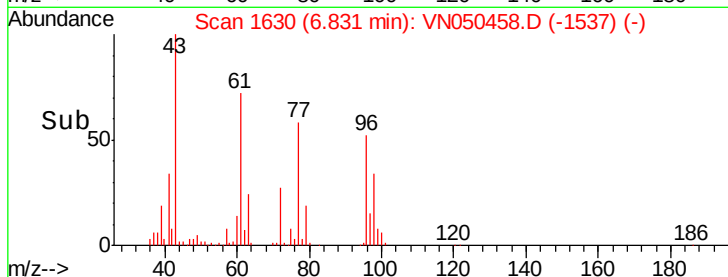
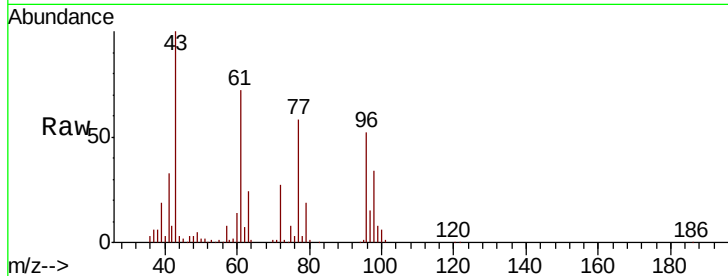
Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion: 96 Resp: 193062

Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	285.0
98	65.6	0.0	129.2



#28

Bromochloromethane

Concen: 18.57 ug/l

RT: 7.20 min Scan# 1744

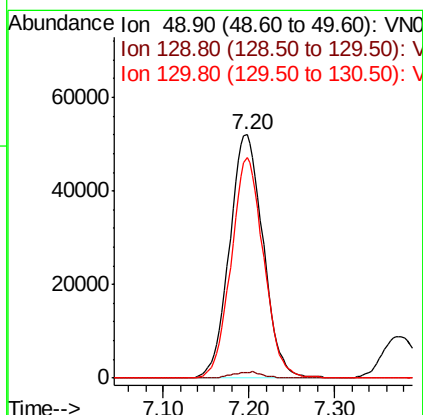
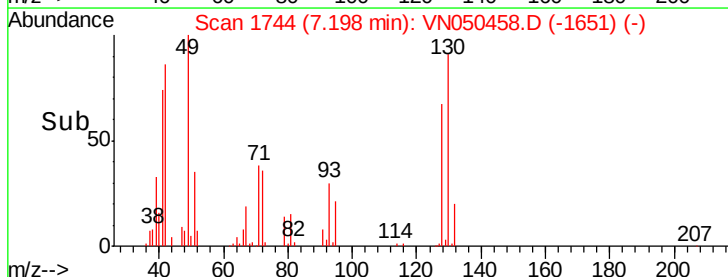
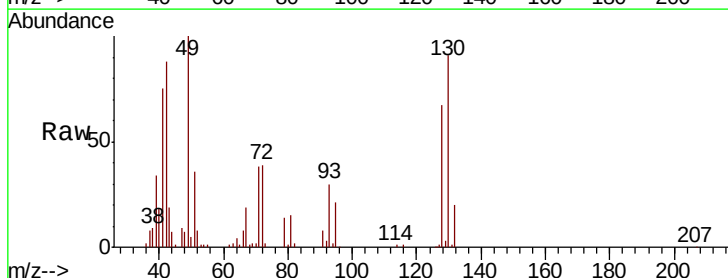
Delta R.T. 0.00 min

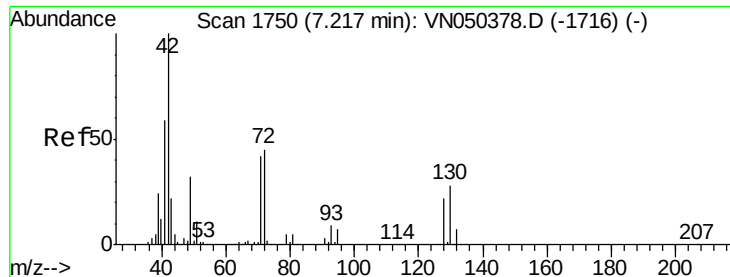
Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion: 49 Resp: 141225

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	87.4	66.3	99.5





#29

Tetrahydrofuran

Concen: 86.29 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampled :

VN0808MBSD01

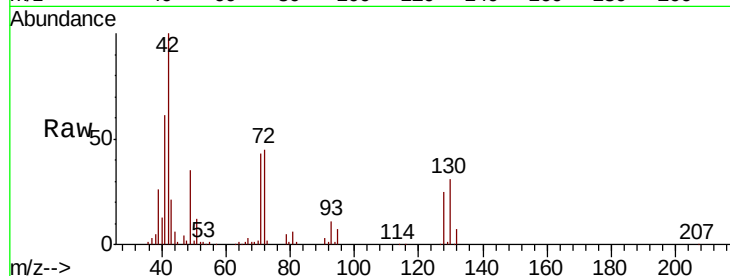
Tot Ion: 42 Resp: 232165

Ion Ratio Lower Upper

42 100

72 45.6 35.9 53.9

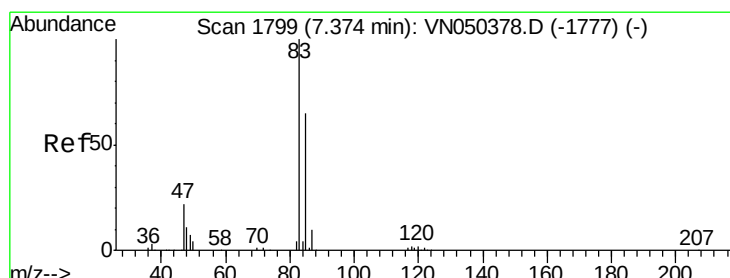
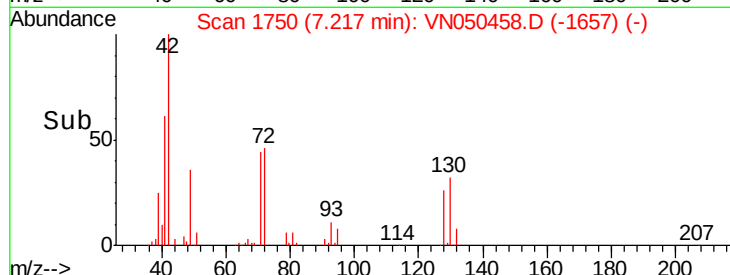
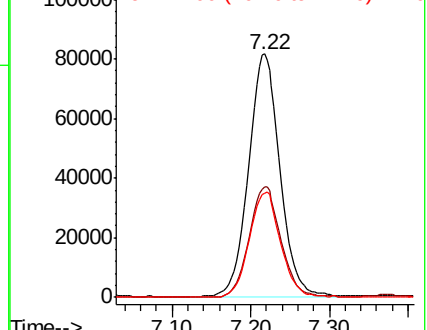
71 42.8 33.7 50.5



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: 19.47 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050458.D

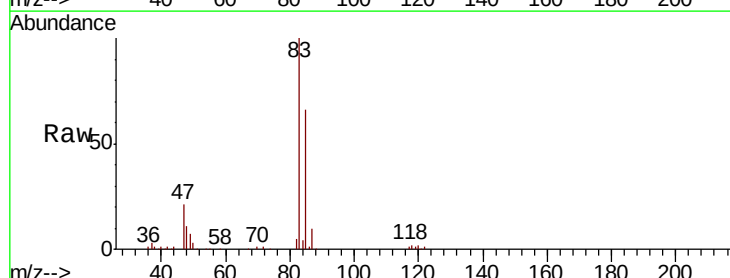
Acq: 8 Aug 2018 14:50

Tgt Ion: 83 Resp: 321678

Ion Ratio Lower Upper

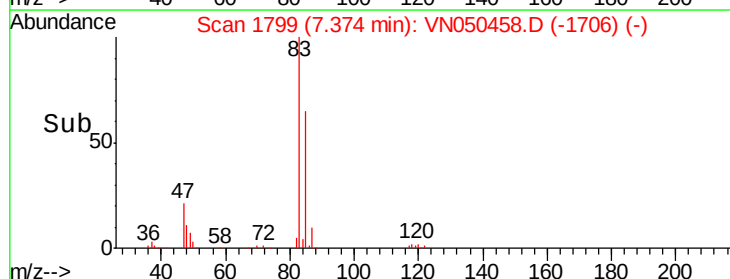
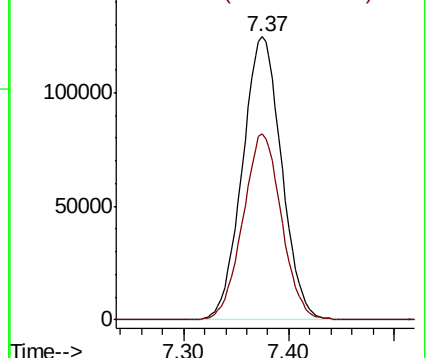
83 100

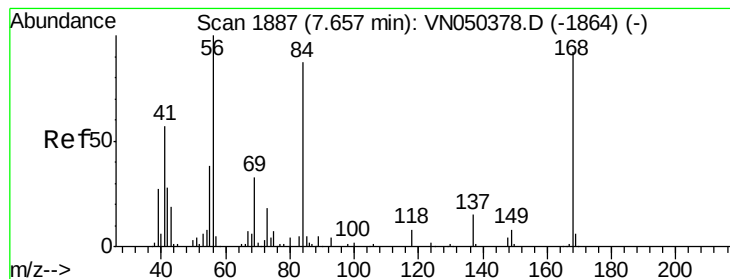
85 65.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.74 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

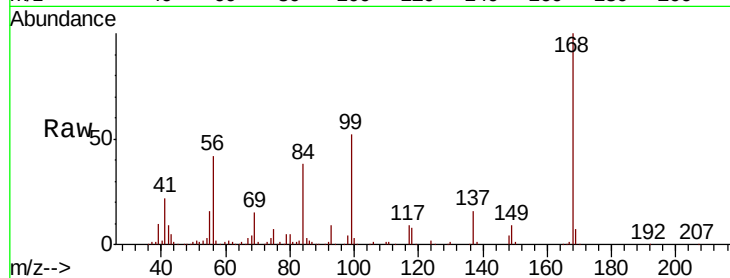
Tot Ion: 56 Resp: 278302

Ion Ratio Lower Upper

56 100

69 36.9 26.2 39.4

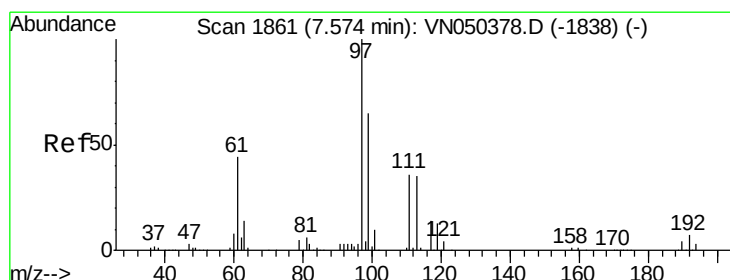
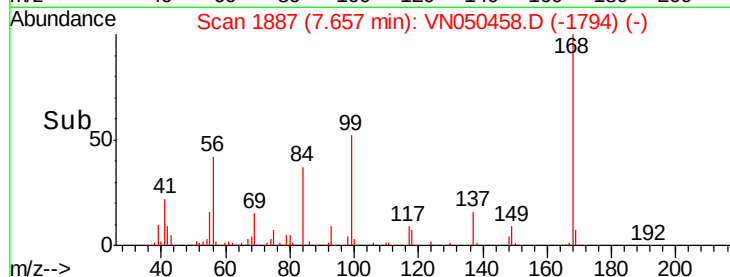
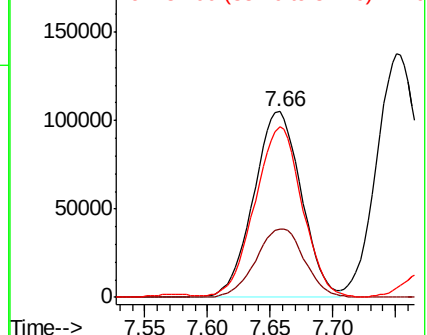
84 90.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.43 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

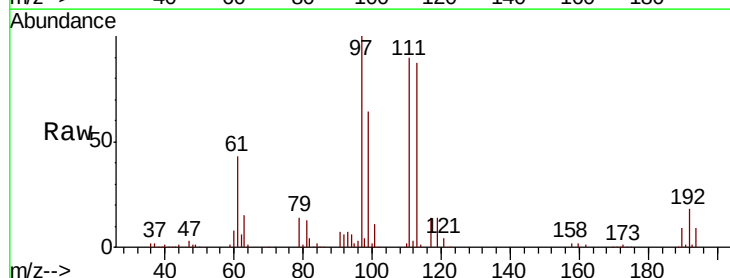
Tgt Ion: 97 Resp: 275667

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

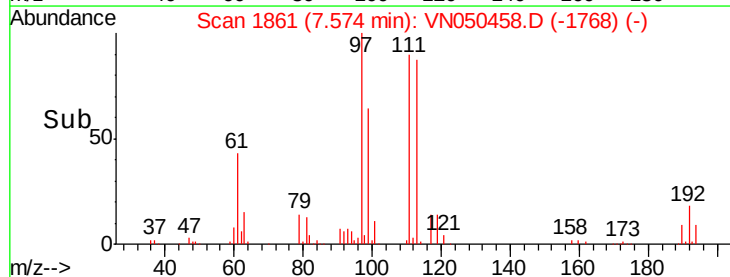
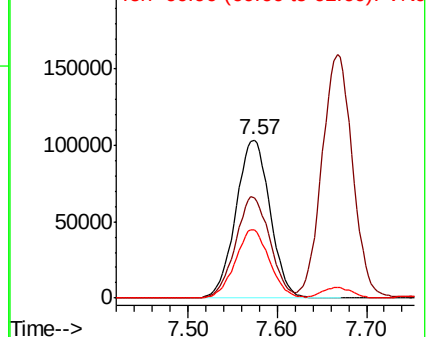
61 43.2 35.4 53.0

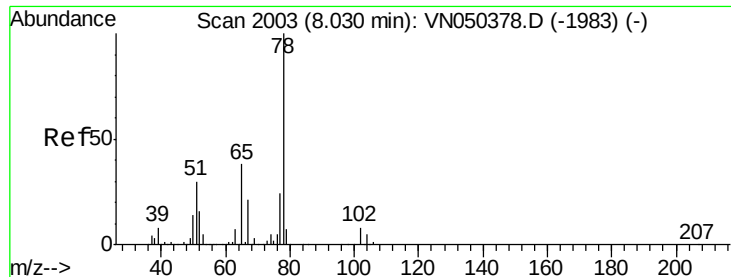


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

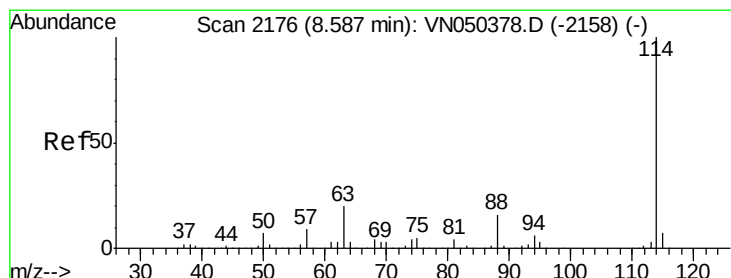
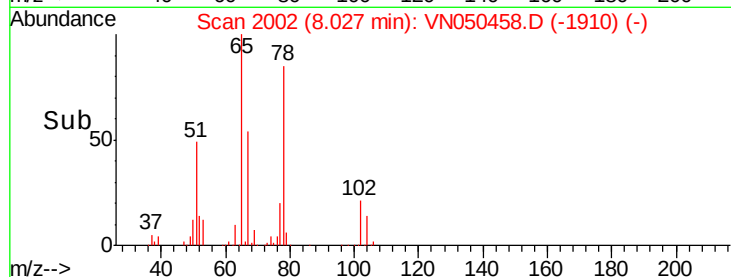
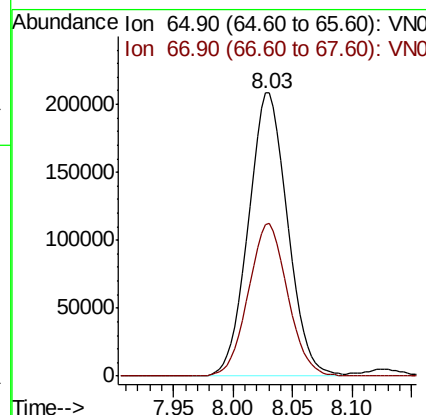
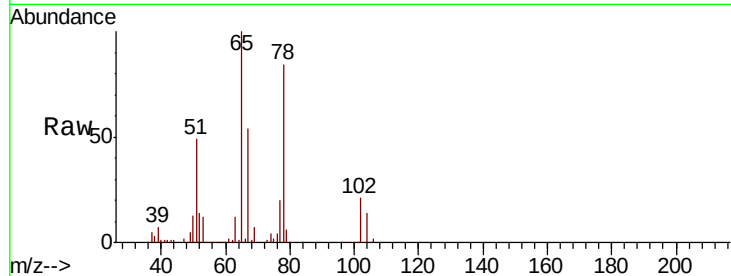




#33
 1,2-Dichloroethane-d4
 Concen: 46.91 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

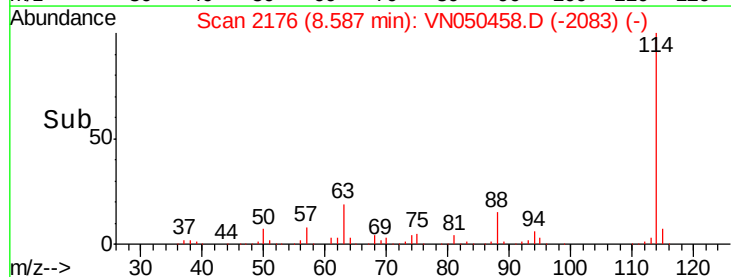
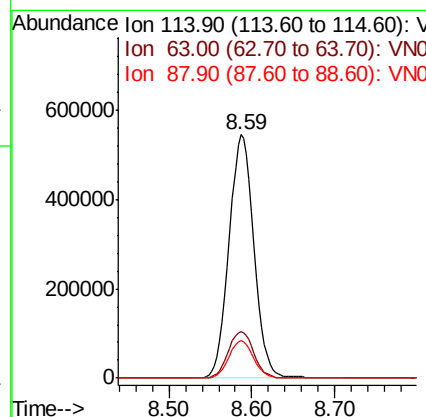
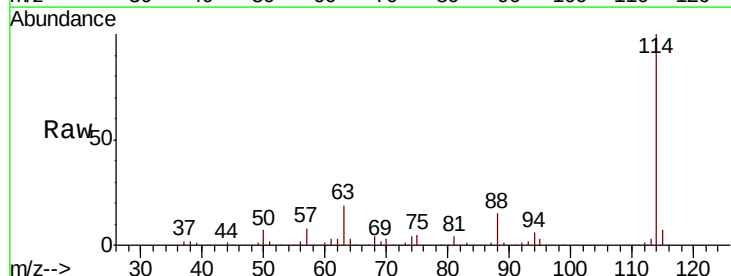
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

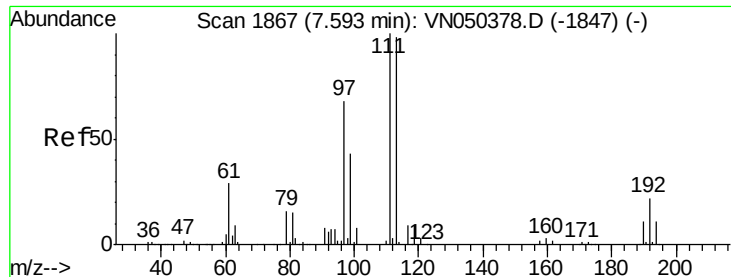
Tot Ion: 65 Resp: 475805
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion:114 Resp: 1139267
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.5 0.0 31.2

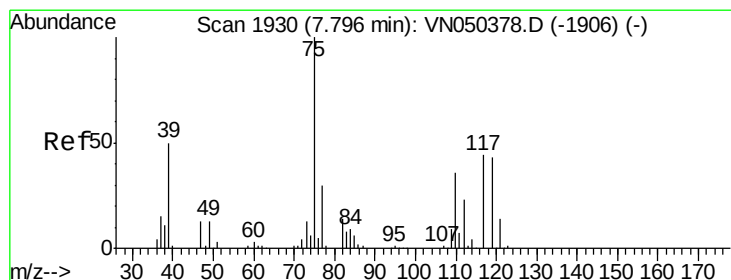
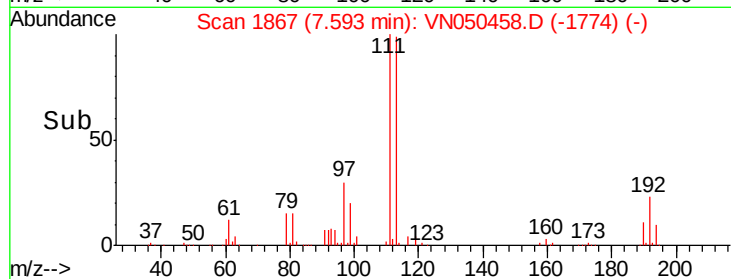
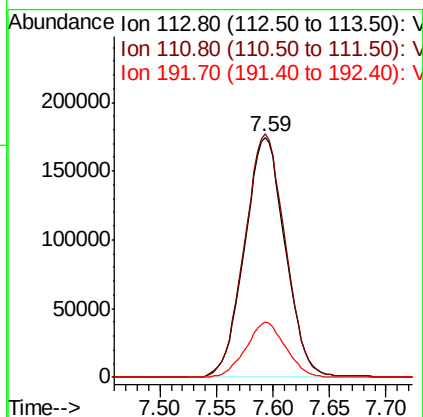
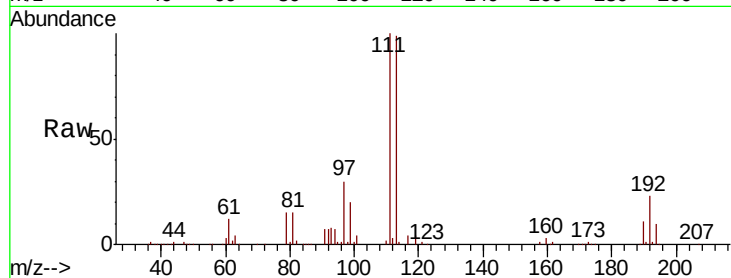




#35
 Dibromofluoromethane
 Concen: 47.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

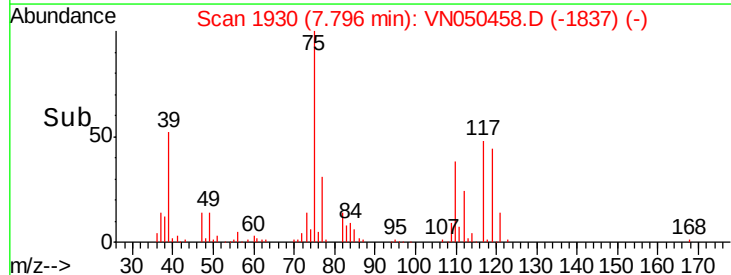
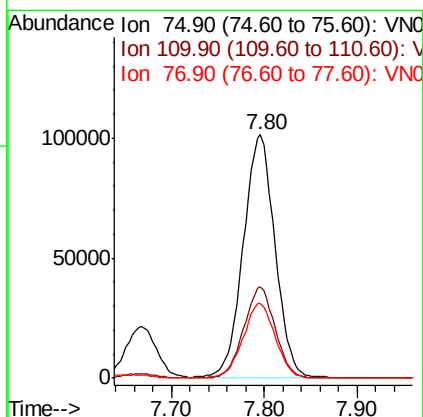
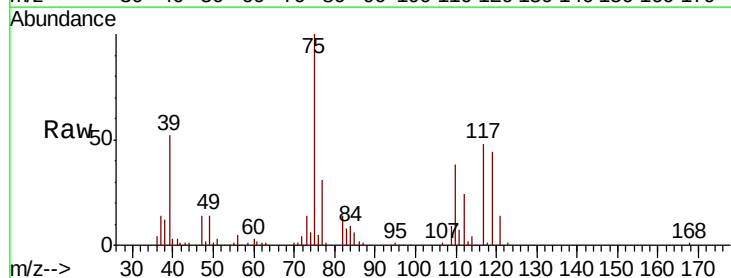
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

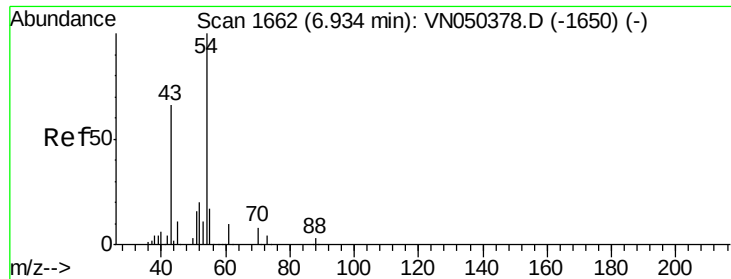
Tot Ion:113 Resp: 434489
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.12 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion: 75 Resp: 239361
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.4 55.2
 77 31.5 25.3 37.9

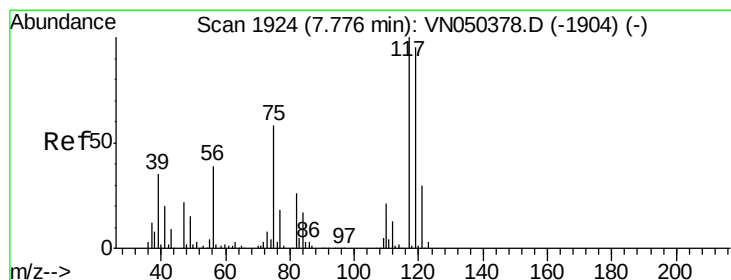
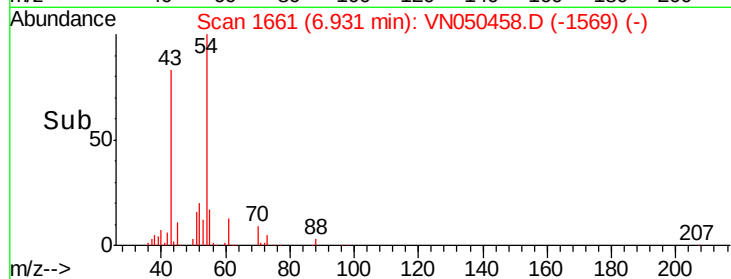
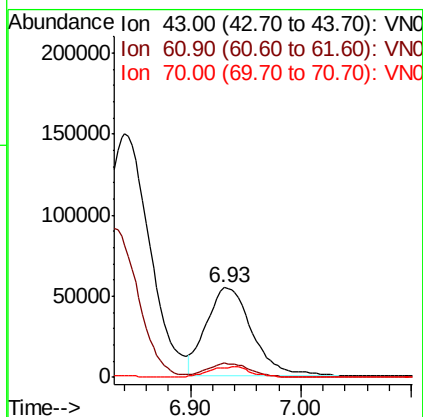
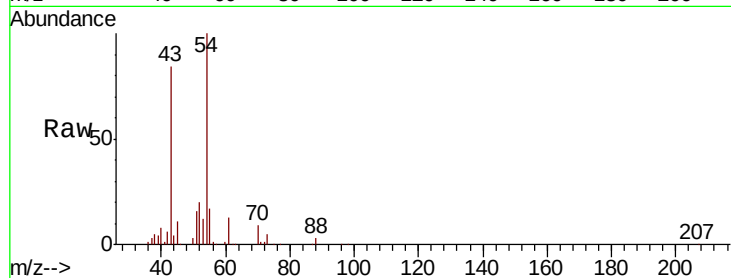




#37
Ethyl Acetate
Concen: 17.31 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

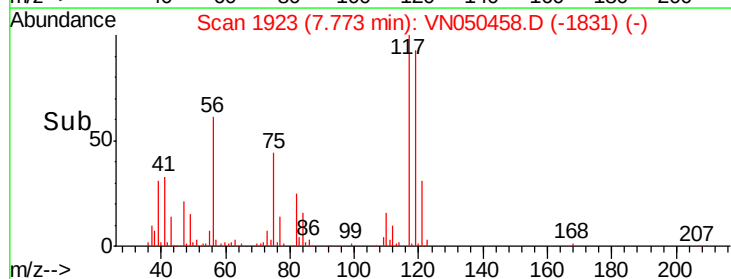
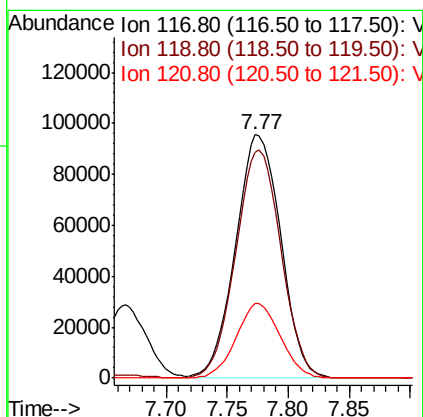
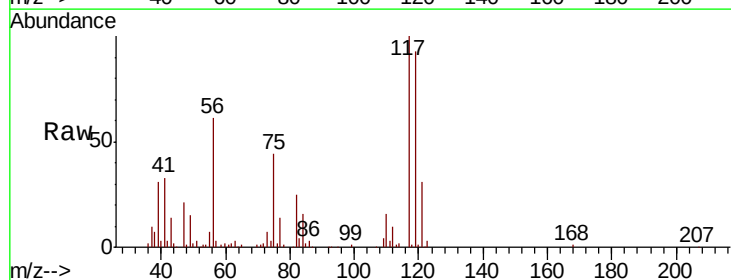
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

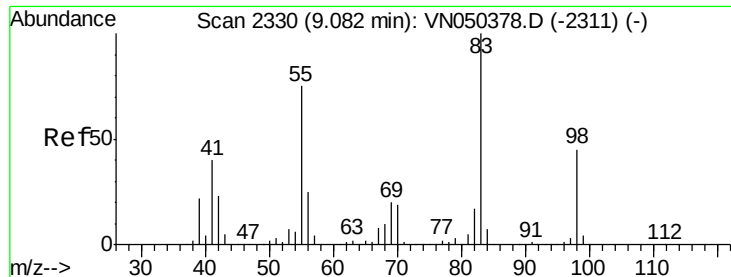
Tot Ion: 43 Resp: 156052
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.70 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 117 Resp: 244165
Ion Ratio Lower Upper
117 100
119 92.9 77.4 116.0
121 30.6 23.9 35.9

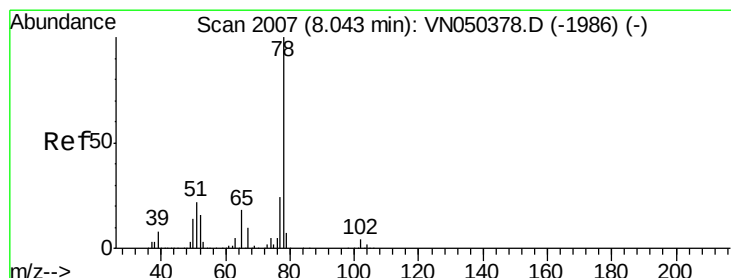
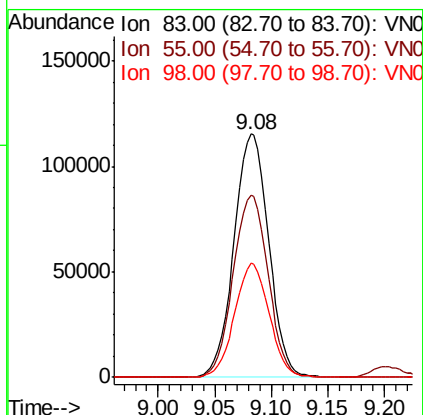
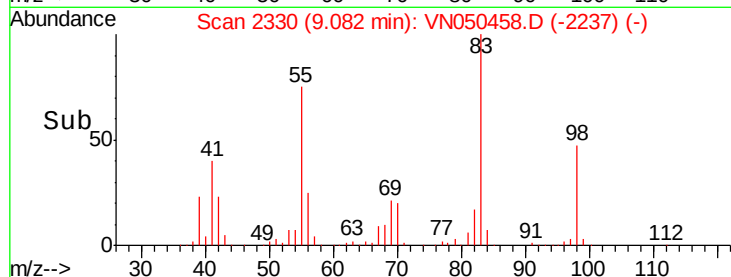
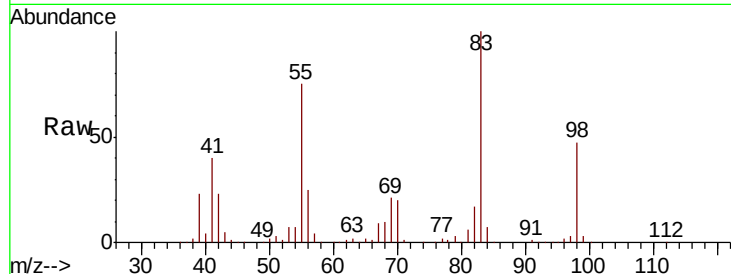




#39
Methylvlcyclohexane
Concen: 18.12 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

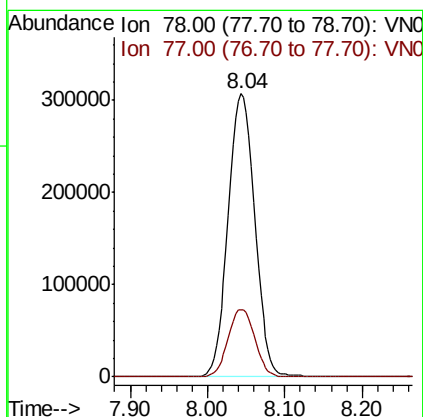
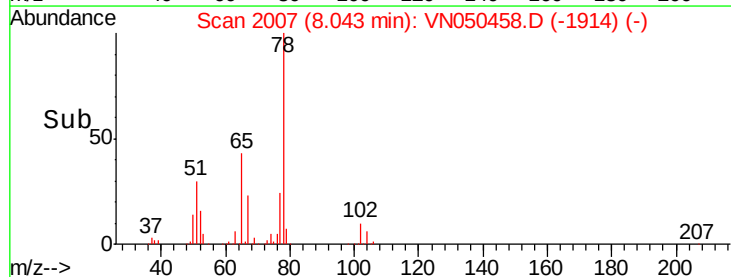
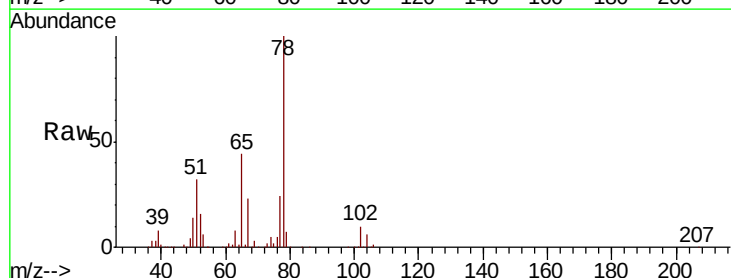
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

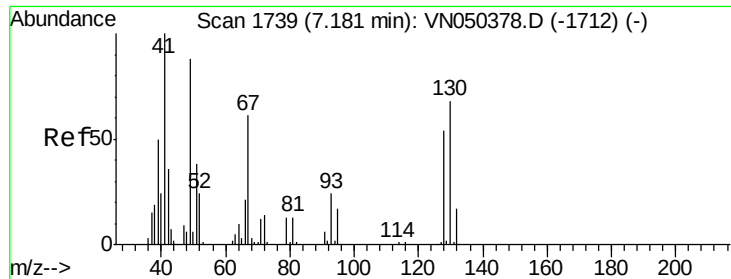
Tot Ion: 83 Resp: 247583
Ion Ratio Lower Upper
83 100
55 75.0 61.8 92.8
98 46.7 36.5 54.7



#40
Benzene
Concen: 19.09 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 78 Resp: 734577
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

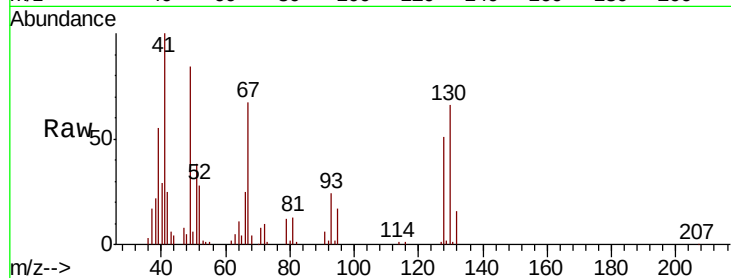




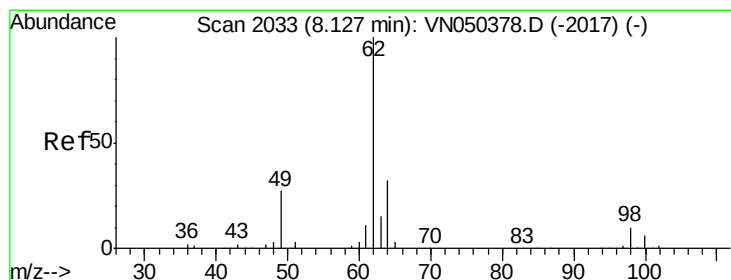
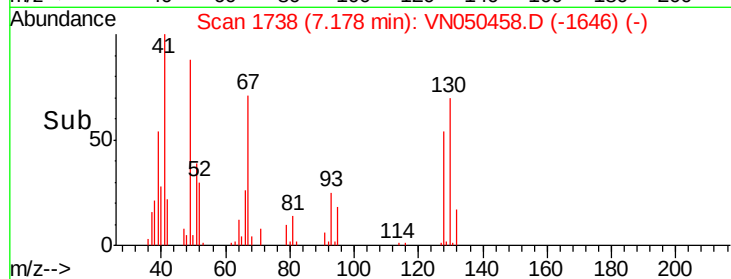
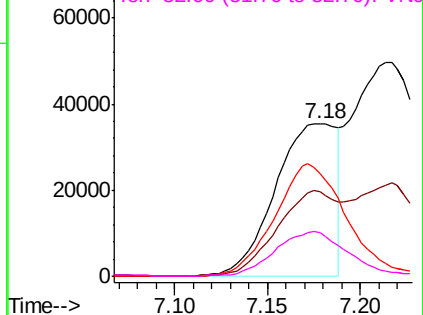
#41
Methacrylonitrile
Concen: 17.13 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion:	41	Resp:	82108
Ion	Ratio	Lower	Upper
41	100		
39	57.1	55.8	83.6
67	85.1	84.3	126.5
52	34.7	34.2	51.2

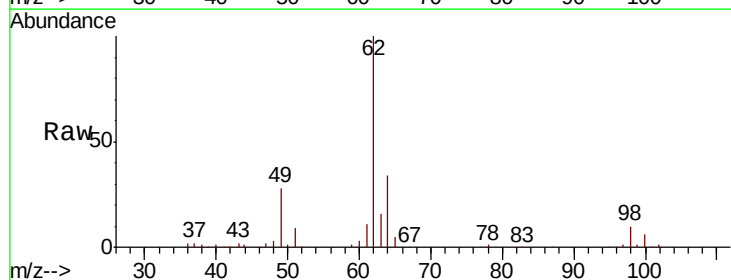


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

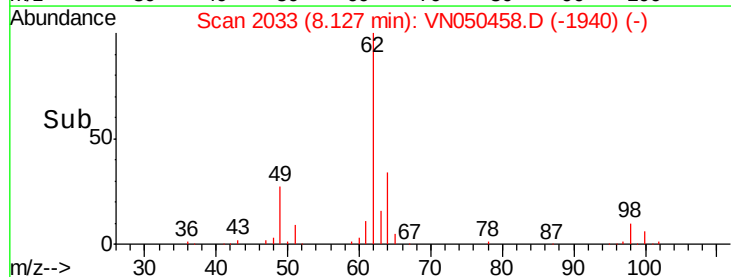
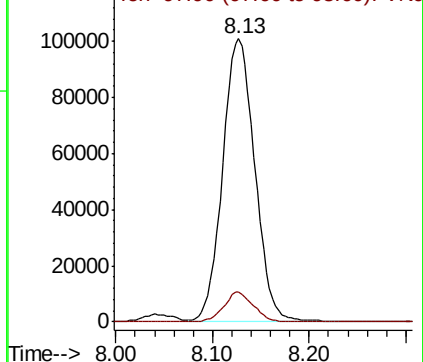


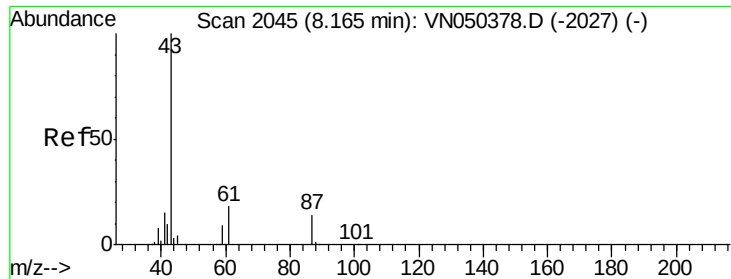
#42
1,2-Dichloroethane
Concen: 19.01 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion:	62	Resp:	232271
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: 17.65 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

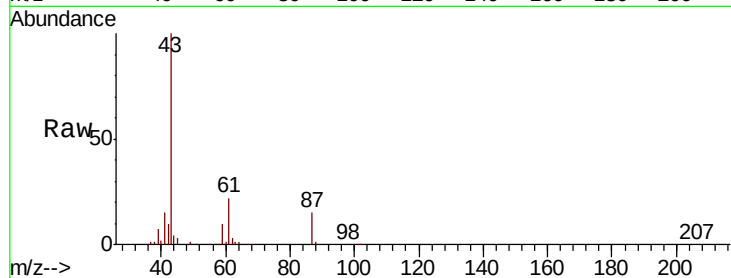
Tot Ion: 43 Resp: 274624

Ion Ratio Lower Upper

43 100

61 21.7 15.8 23.6

87 14.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

8.17

150000

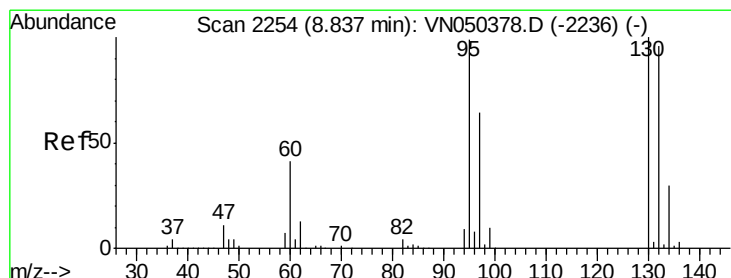
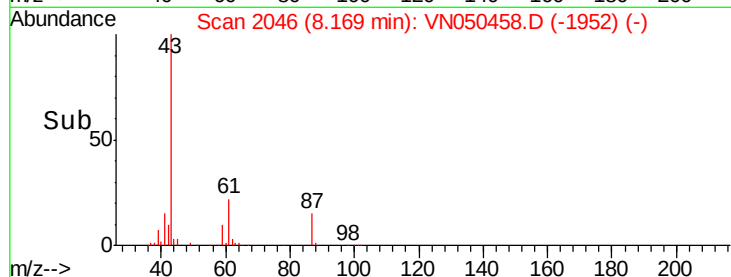
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.25 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050458.D

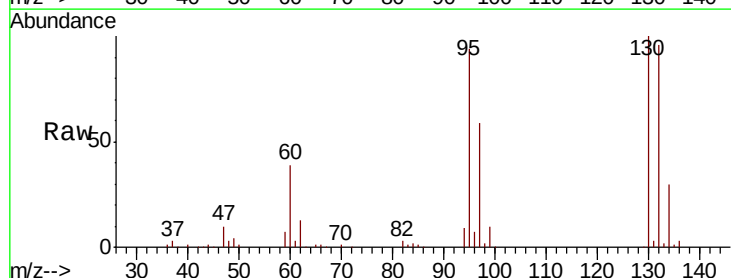
Acq: 8 Aug 2018 14:50

Tgt Ion:130 Resp: 199085

Ion Ratio Lower Upper

130 100

95 94.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

8.84

100000

80000

60000

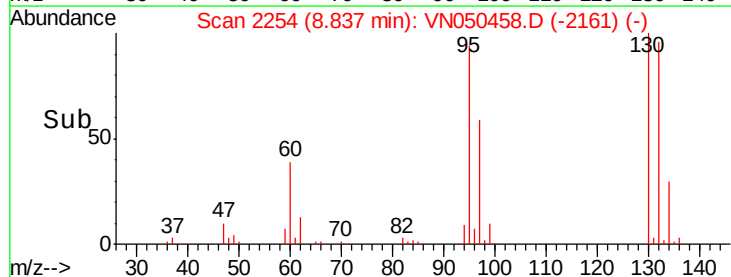
40000

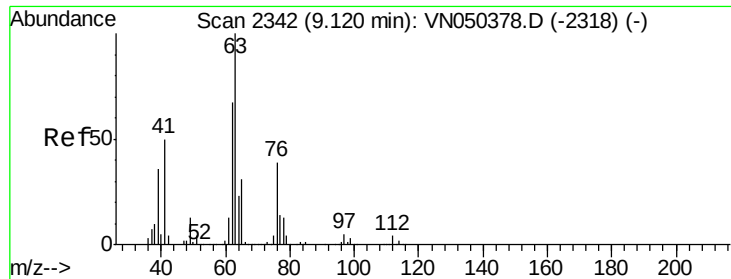
20000

0

8.80 8.85 8.90

Time-->

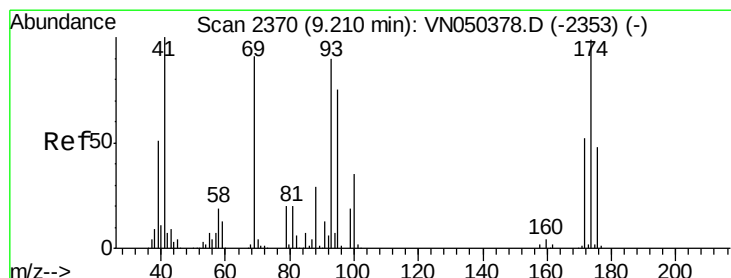
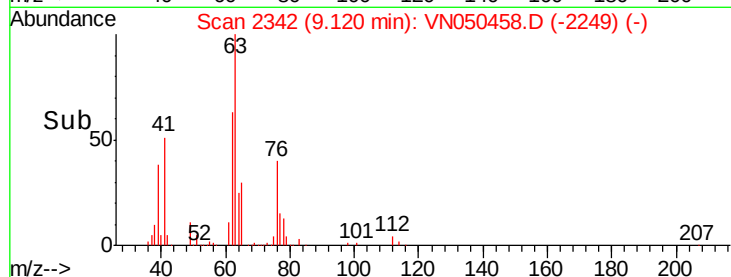
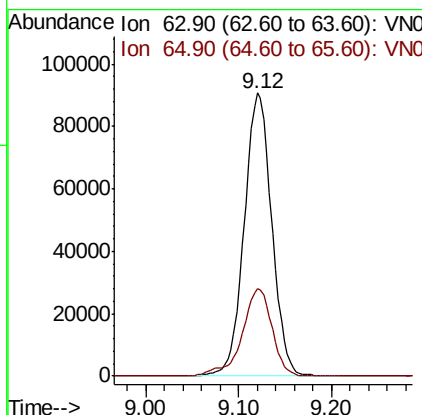
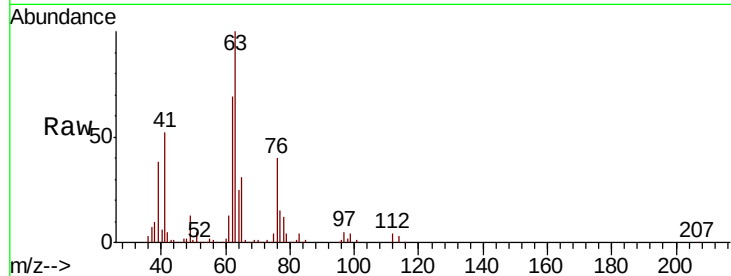




#45
 1,2-Dichloropropane
 Concen: 18.47 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

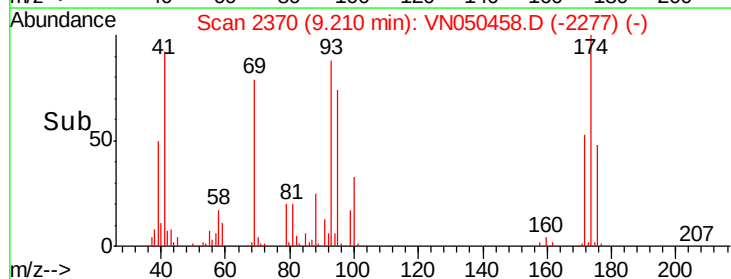
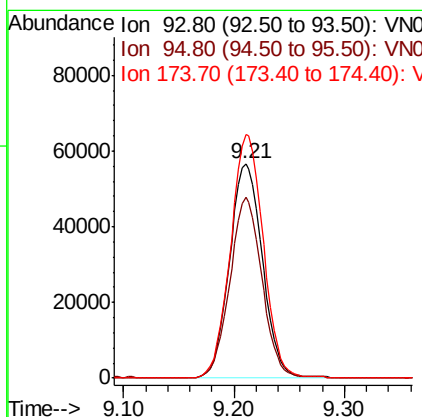
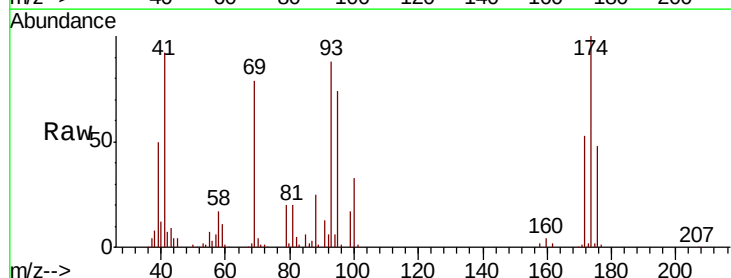
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

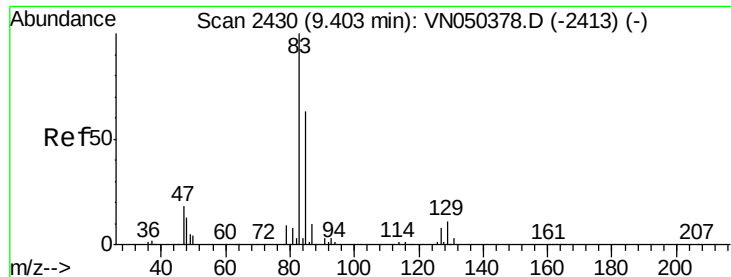
Tot Ion: 63 Resp: 186900
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.5 38.3



#46
 Dibromomethane
 Concen: 18.81 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion: 93 Resp: 117493
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.6 100.0
 174 113.0 87.1 130.7





#47

Bromodichloromethane

Concen: 18.71 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

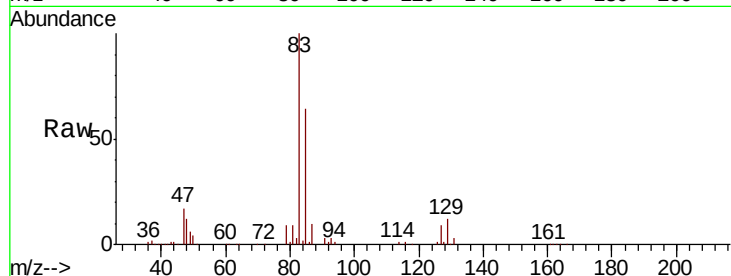
Tot Ion: 83 Resp: 242102

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7

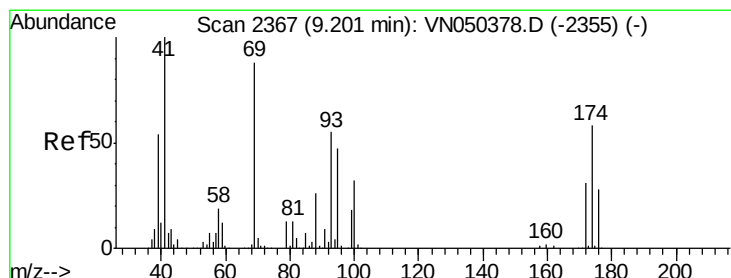
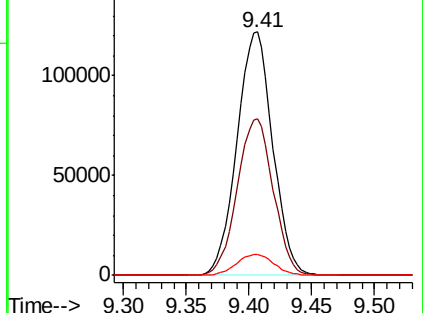
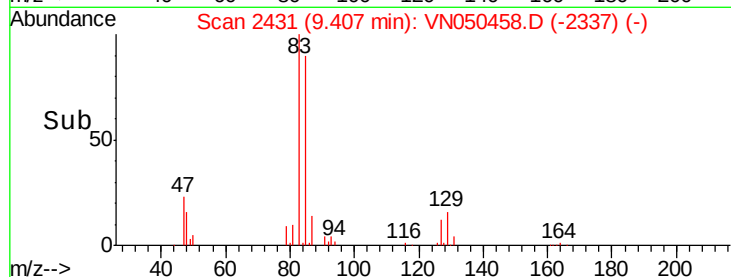
127 8.6 7.0 10.4



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# 2367

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

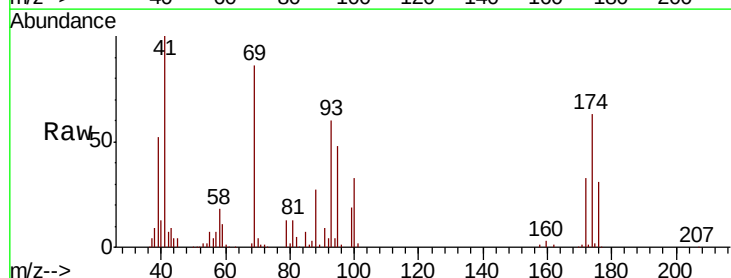
Tgt Ion: 41 Resp: 136886

Ion Ratio Lower Upper

41 100

69 91.3 70.6 105.8

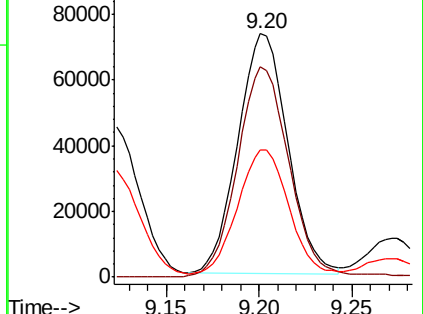
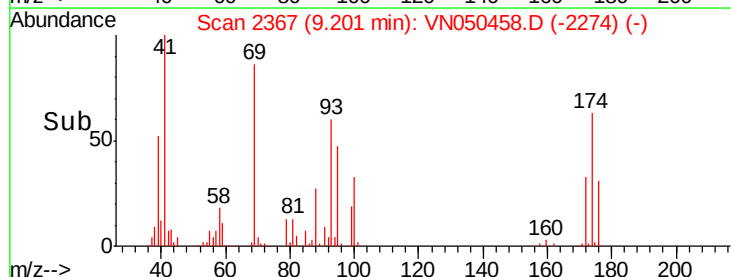
39 55.2 43.9 65.9

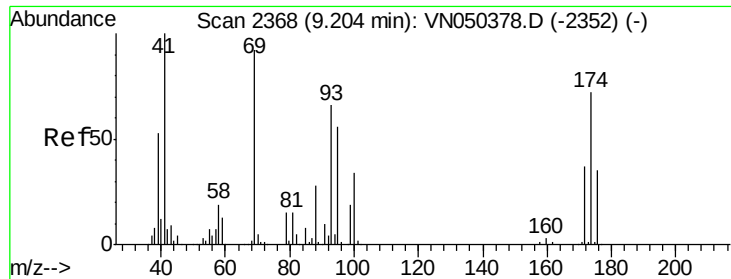


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 335.73 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

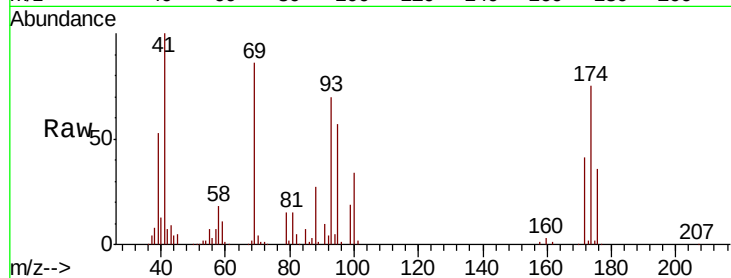
Tot Ion: 88 Resp: 40363

Ion Ratio Lower Upper

88 100

43 32.8 26.9 40.3

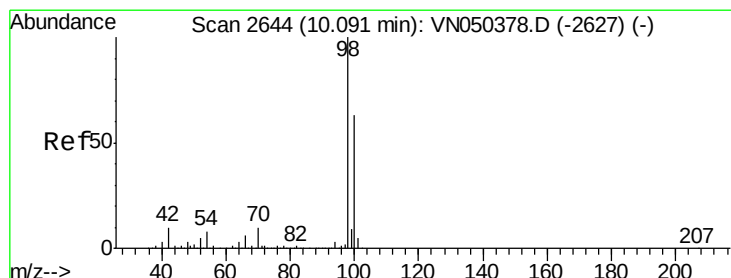
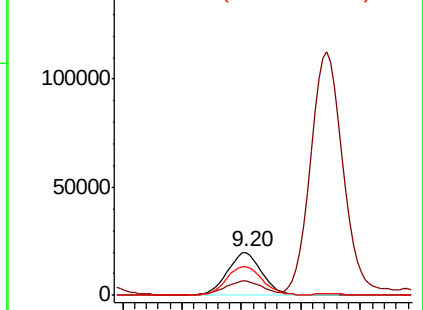
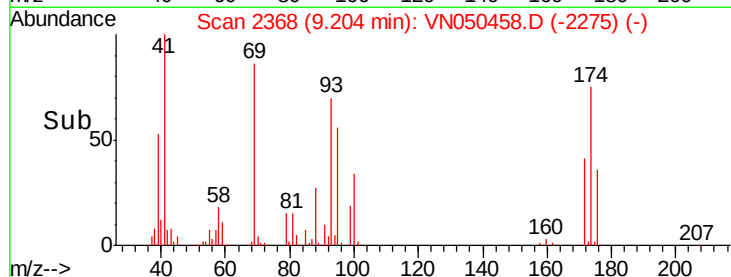
58 69.4 57.3 85.9



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: 47.77 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050458.D

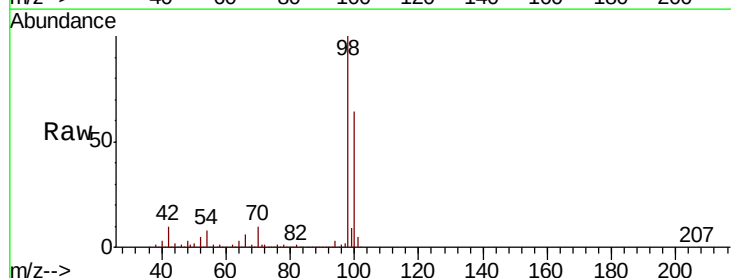
Acq: 8 Aug 2018 14:50

Tgt Ion: 98 Resp: 1641803

Ion Ratio Lower Upper

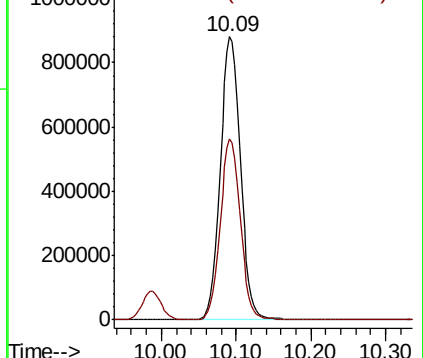
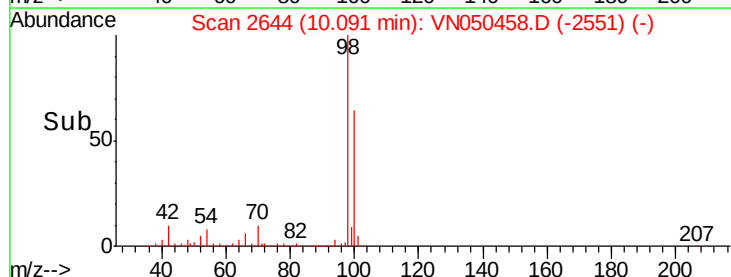
98 100

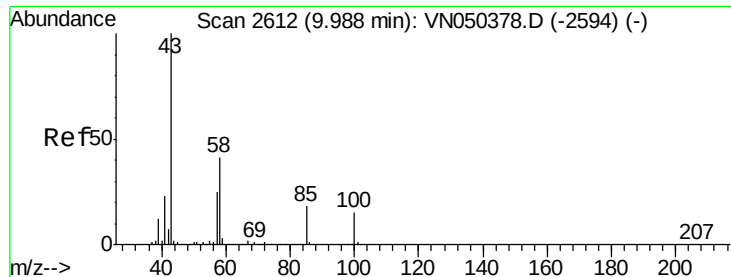
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

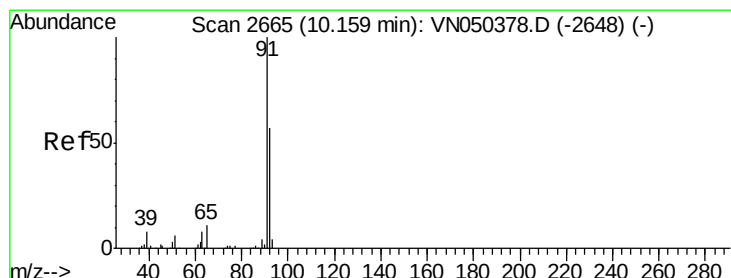
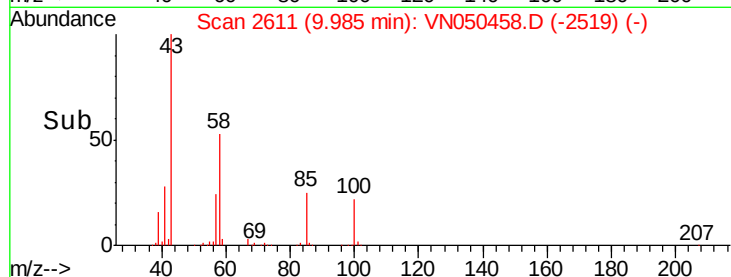
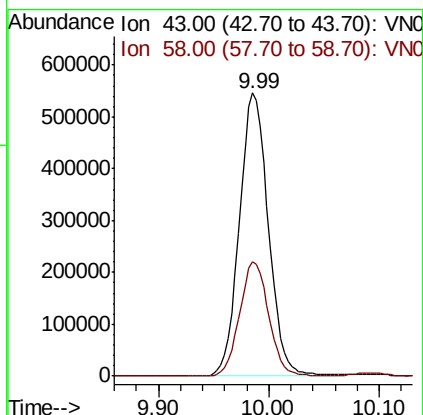
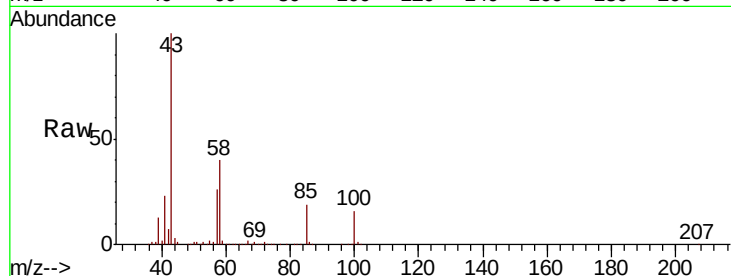




#51
 4-Methyl-2-Pentanone
 Concen: 88.52 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

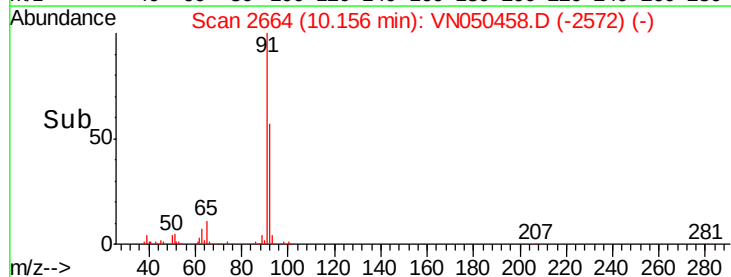
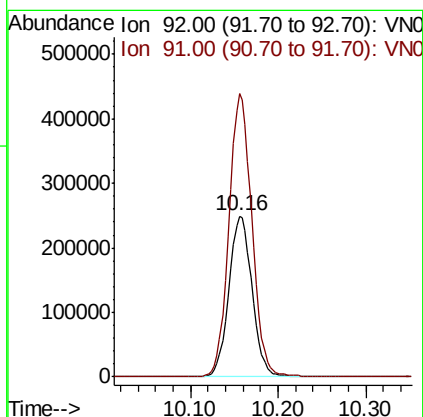
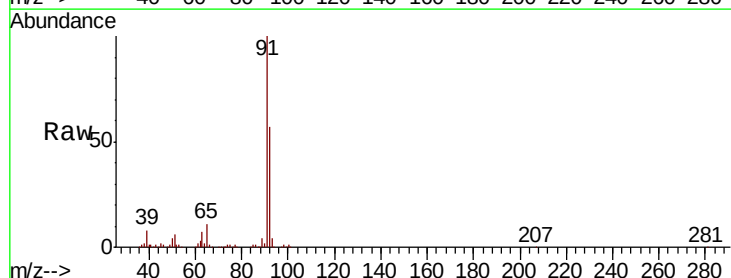
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0808MBSD01

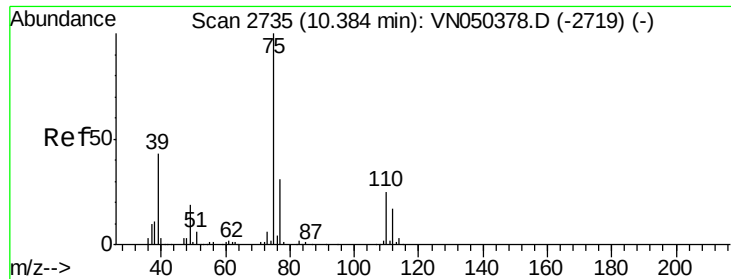
Tot Ion: 43 Resp: 992039
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.9 47.9



#52
 Toluene
 Concen: 19.84 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion: 92 Resp: 458565
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.3 210.5

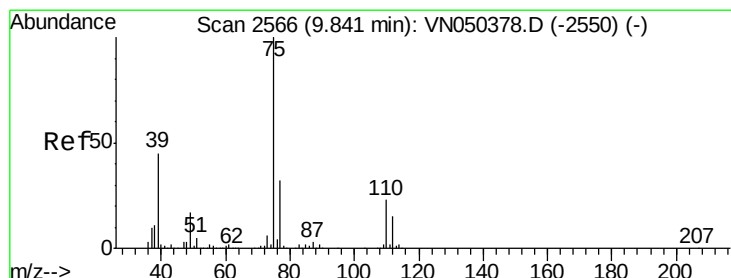
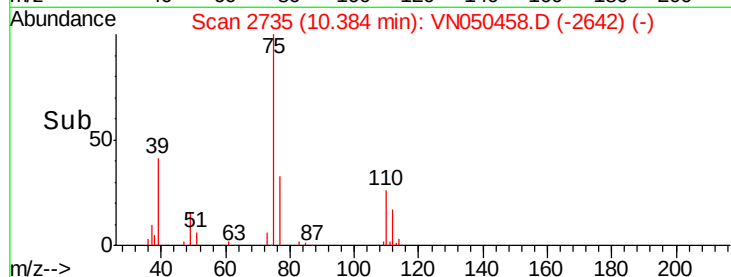
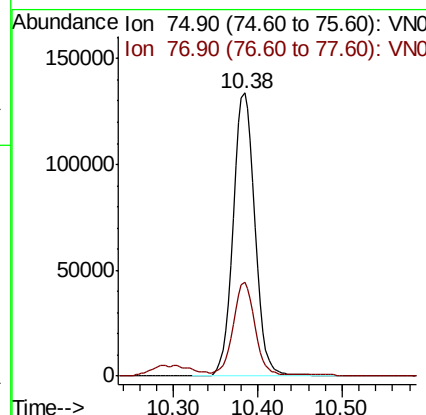
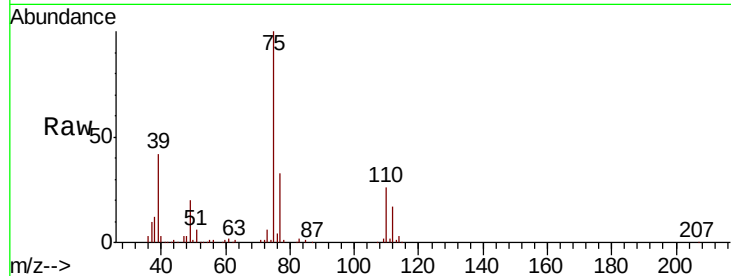




#53
t-1,3-Dichloropropene
Concen: 18.48 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

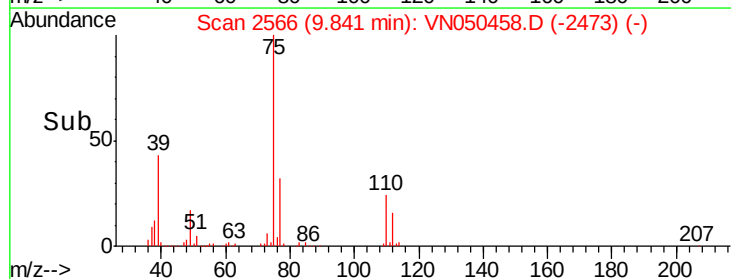
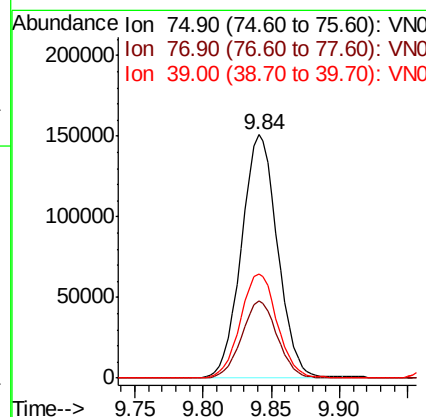
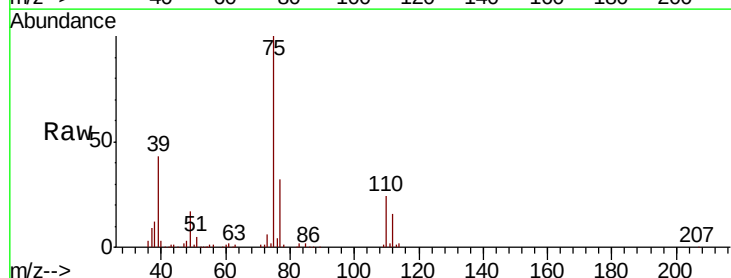
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

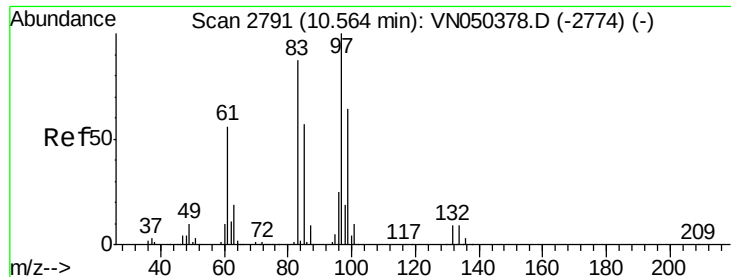
Tot Ion: 75 Resp: 240153
Ion Ratio Lower Upper
75 100
77 32.7 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 75 Resp: 277543
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 42.8 36.6 55.0

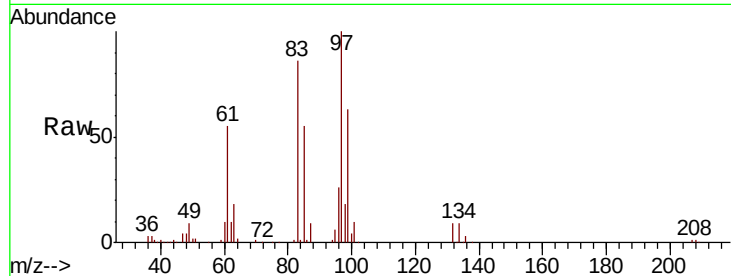




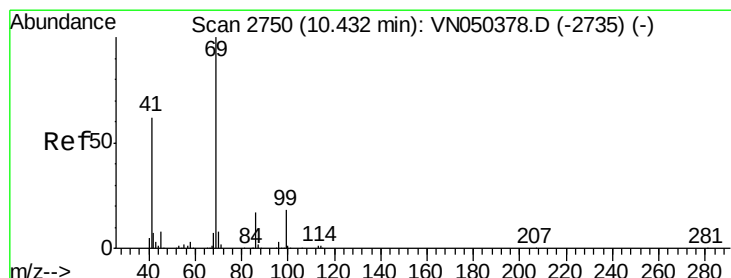
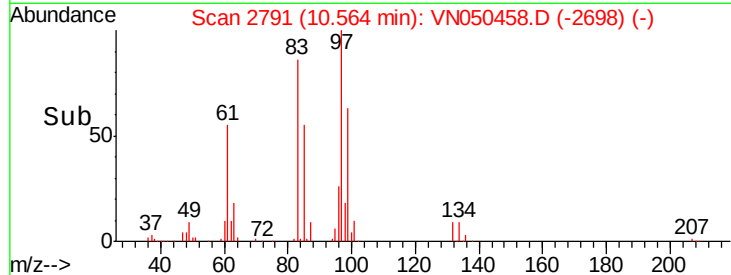
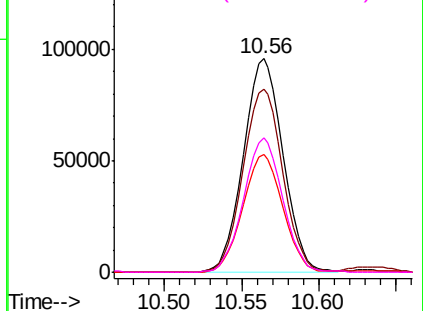
#55
 1,1,2-Trichloroethane
 Concen: 18.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion:	97	Resp:	170837
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.2	103.8
85	55.4	44.0	66.0
99	62.8	49.9	74.9

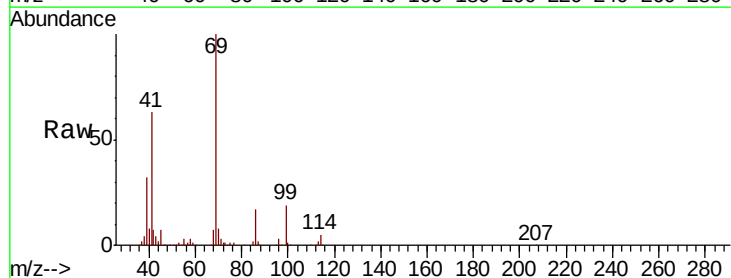


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

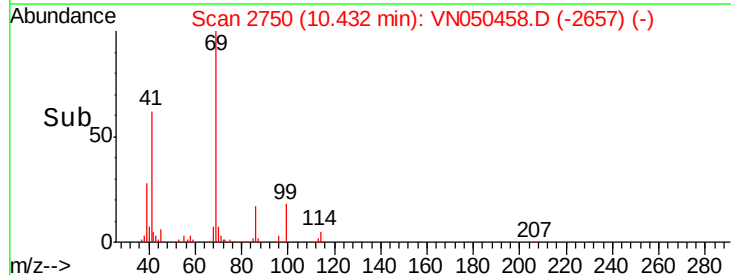
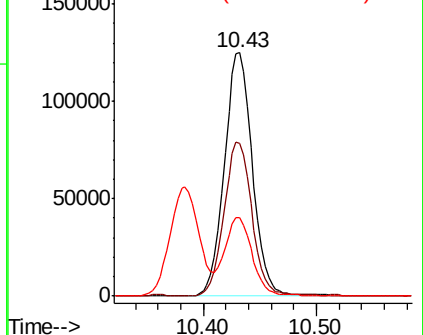


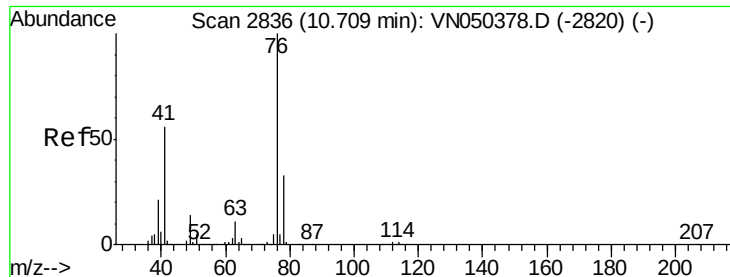
#56
 Ethyl methacrylate
 Concen: 18.02 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion:	69	Resp:	215729
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.0	76.4
39	31.3	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.05 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

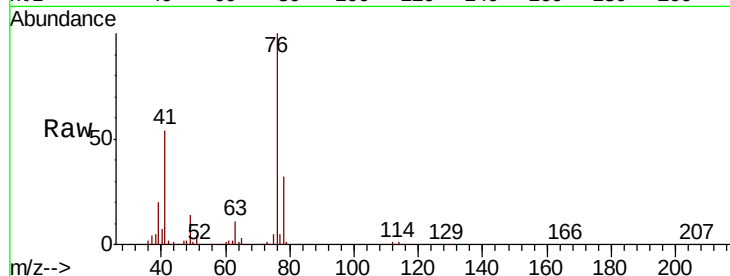
VN0808MBSD01

Tot Ion: 76 Resp: 282167

Ion Ratio Lower Upper

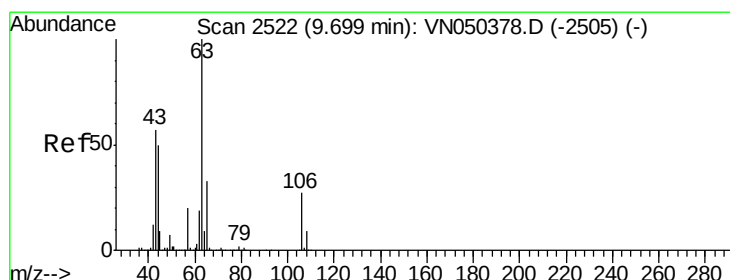
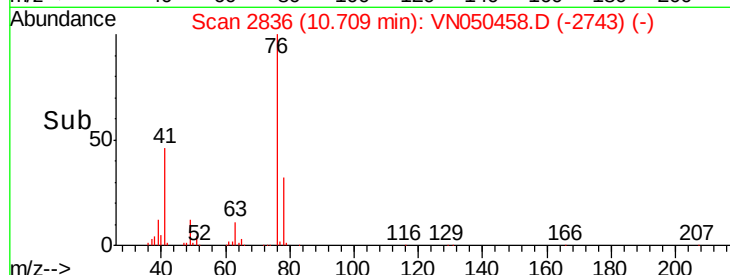
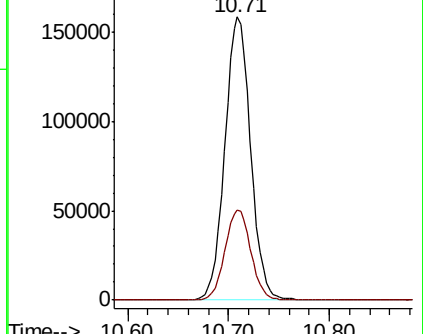
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.02 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050458.D

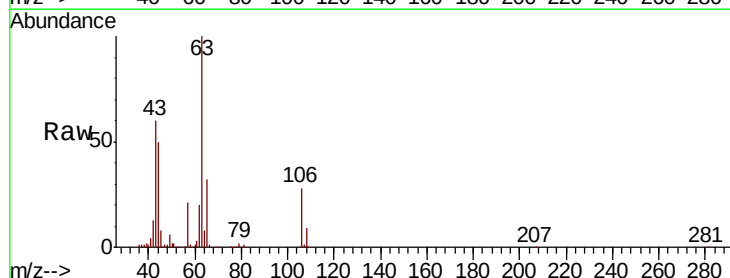
Acq: 8 Aug 2018 14:50

Tgt Ion: 63 Resp: 494560

Ion Ratio Lower Upper

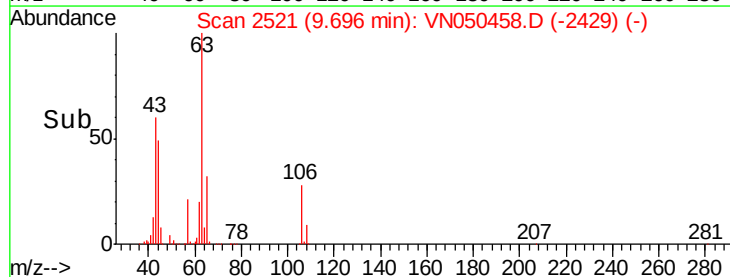
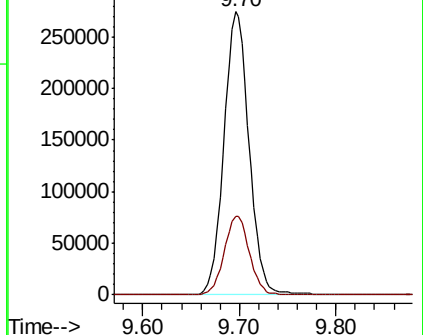
63 100

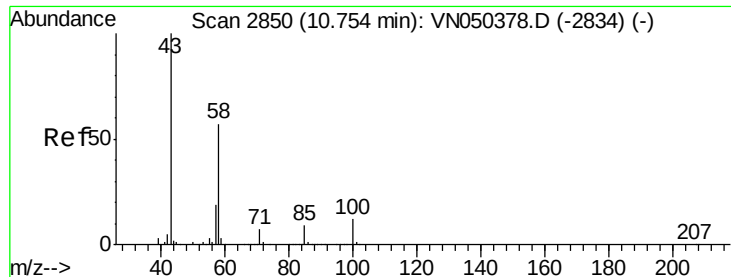
106 28.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

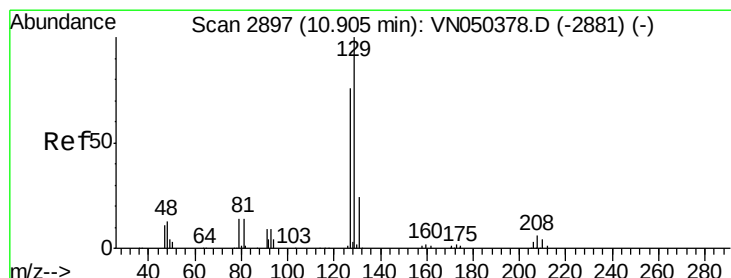
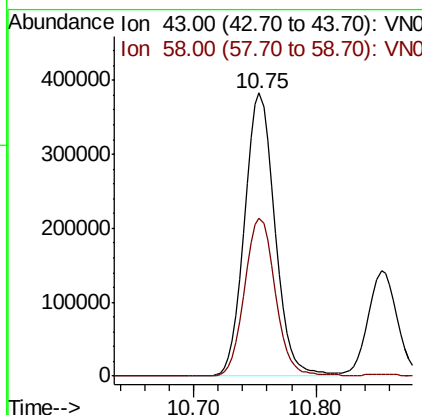
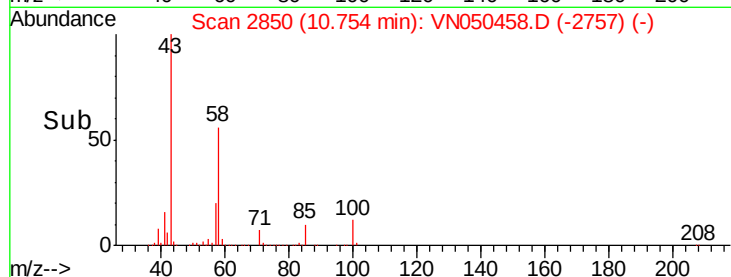
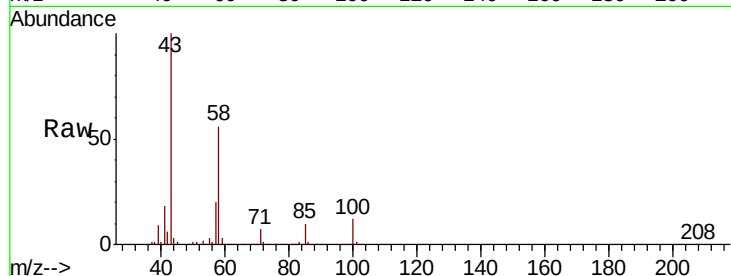




#59
2-Hexanone
Concen: 83.54 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

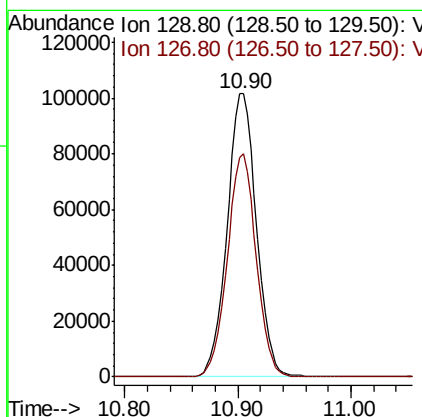
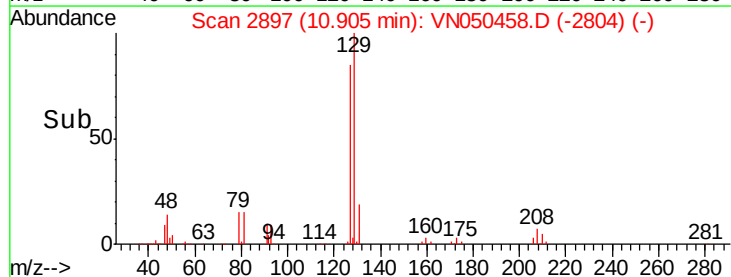
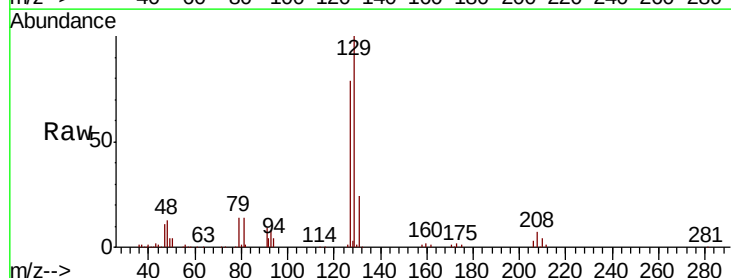
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

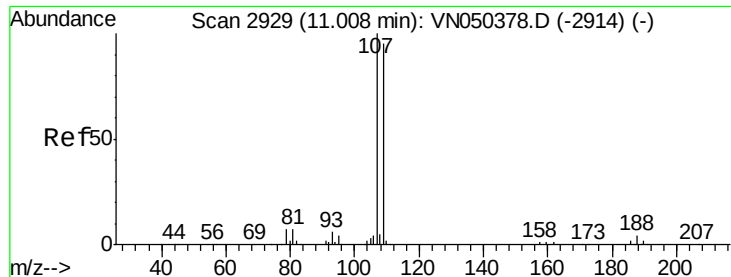
Tot Ion: 43 Resp: 653395
Ion Ratio Lower Upper
43 100
58 56.7 27.6 82.7



#60
Dibromochloromethane
Concen: 18.40 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 129 Resp: 182965
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.04 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

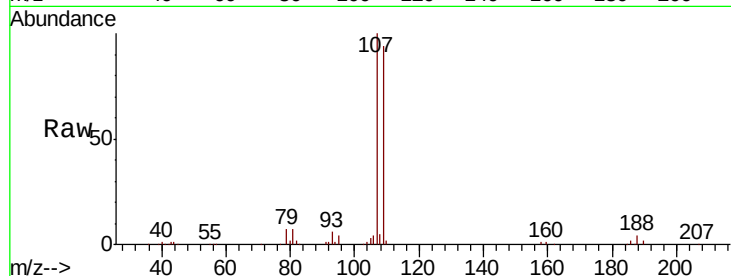
VN0808MBSD01

Tot Ion:107 Resp: 169330

Ion Ratio Lower Upper

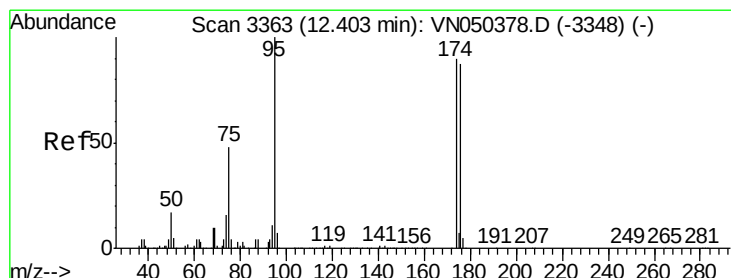
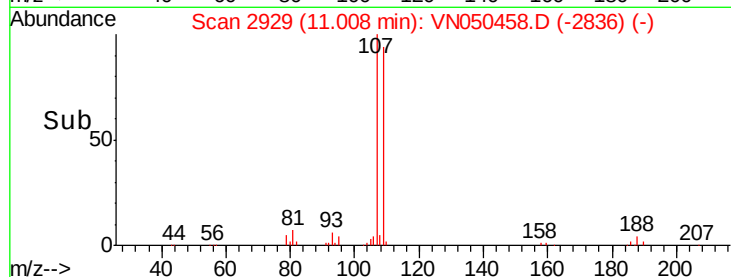
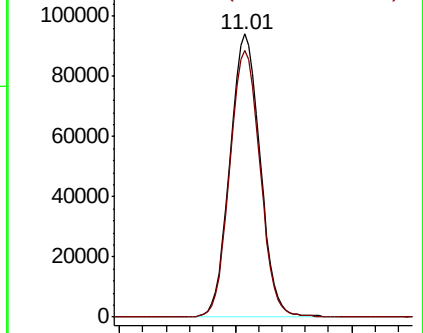
107 100

109 94.7 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

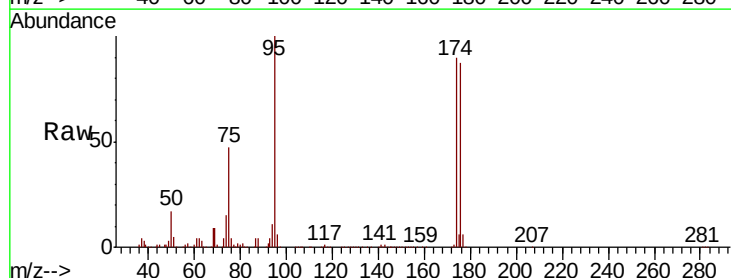
Tgt Ion: 95 Resp: 549118

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

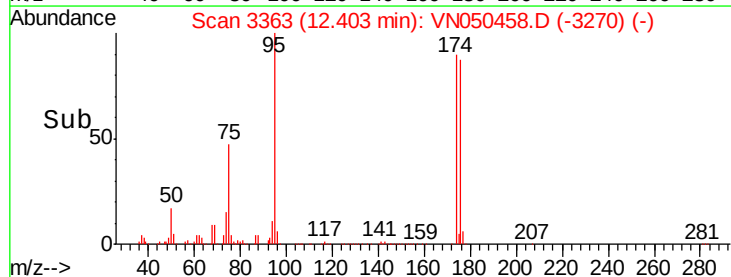
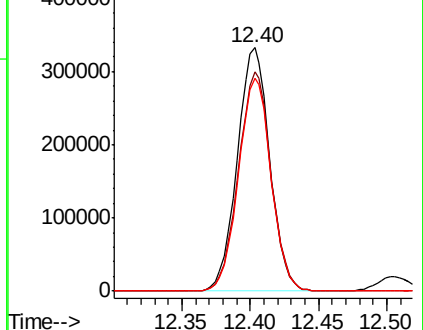
176 87.6 0.0 173.4

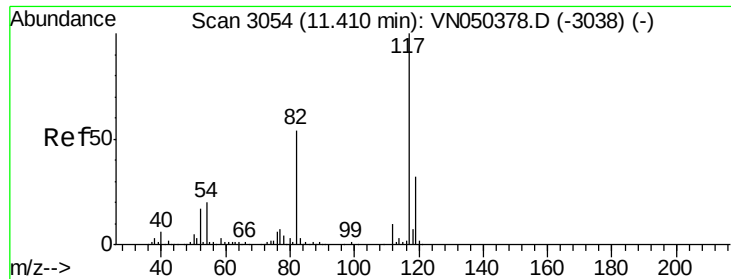


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

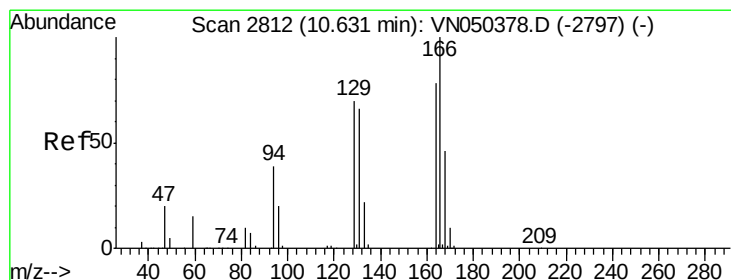
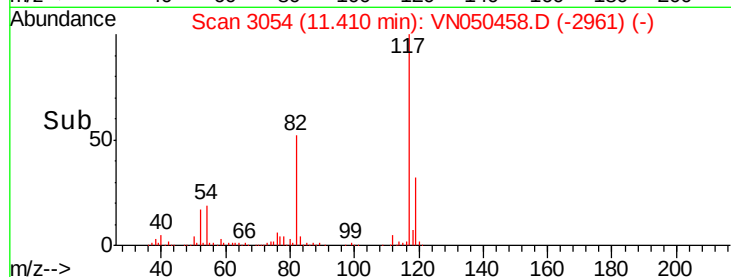
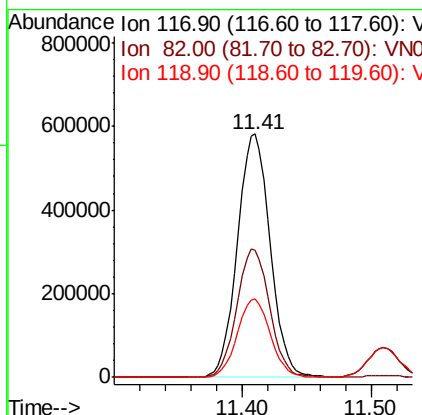
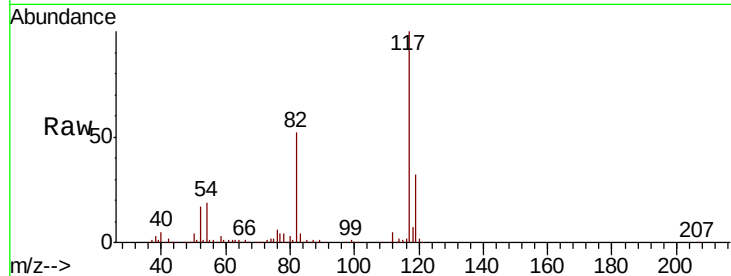




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

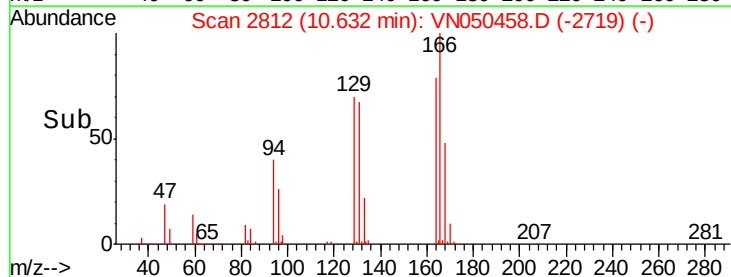
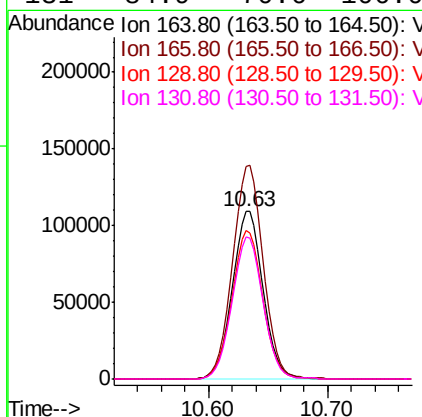
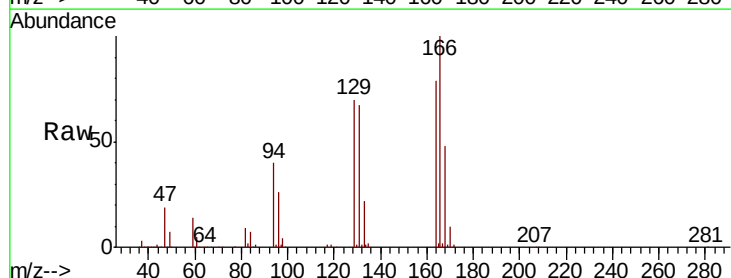
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

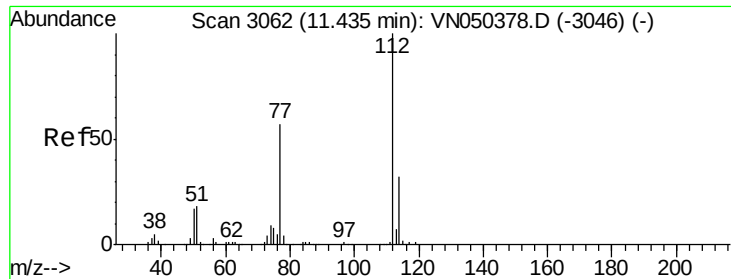
Tot Ion:117 Resp: 1028169
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 20.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion:164 Resp: 195260
Ion Ratio Lower Upper
164 100
166 126.6 102.1 153.1
129 88.7 73.2 109.8
131 84.9 70.6 106.0





#65

Chlorobenzene

Concen: 19.55 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

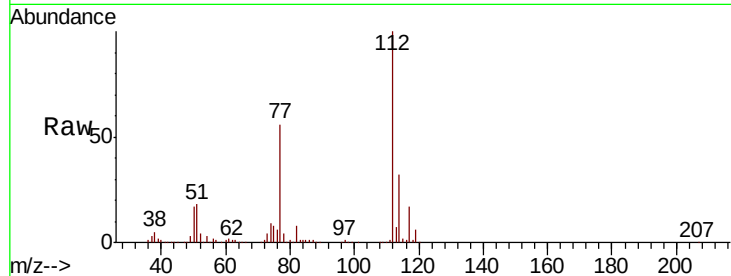
VN0808MBSD01

Tot Ion:112 Resp: 504008

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

300000

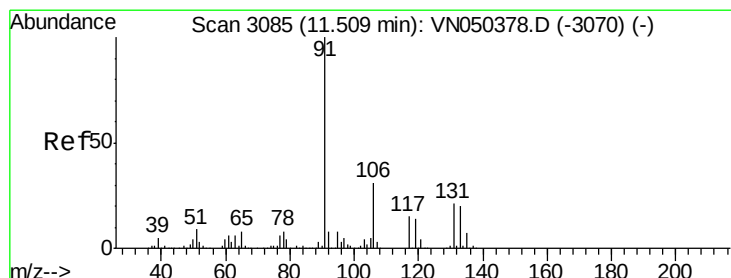
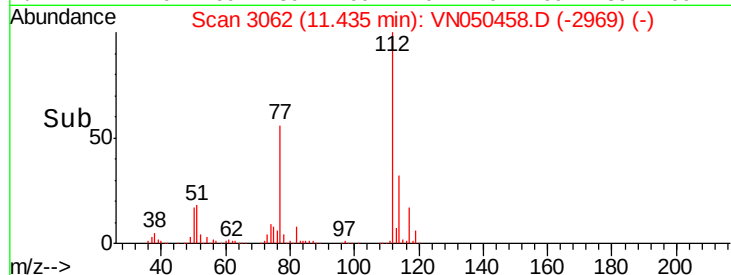
200000

100000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

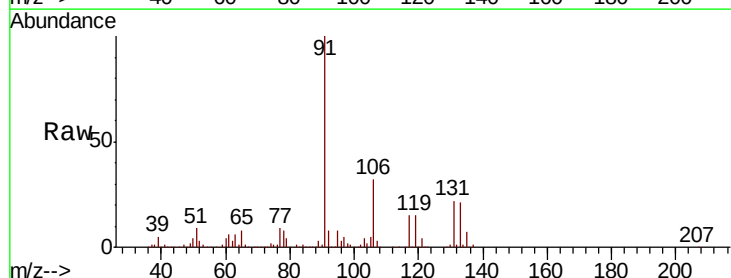
Tgt Ion:131 Resp: 181330

Ion Ratio Lower Upper

131 100

133 97.5 47.3 141.9

119 67.5 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

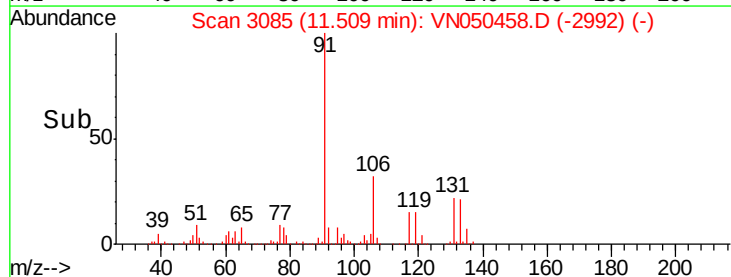
100000

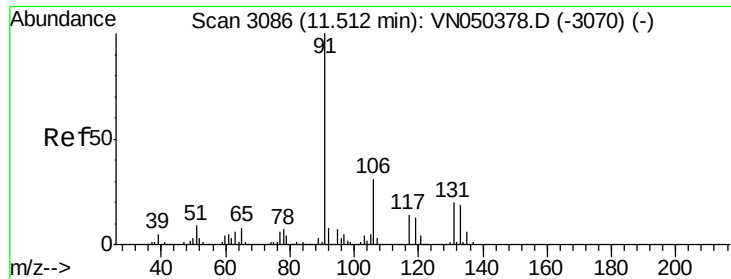
50000

0

11.45 11.50 11.55 11.60

Time-->





#67

Ethyl Benzene

Concen: 20.09 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

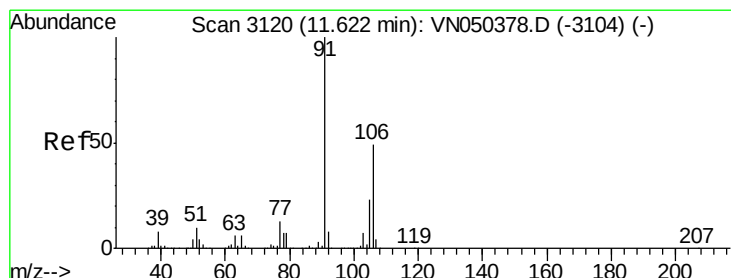
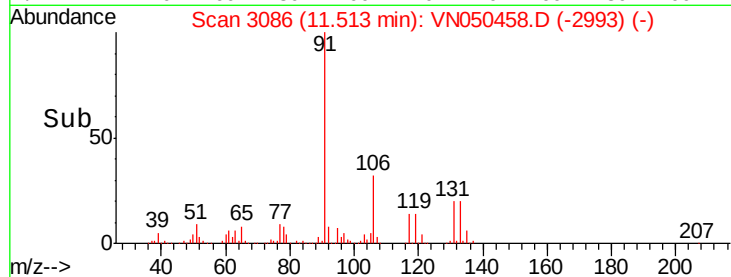
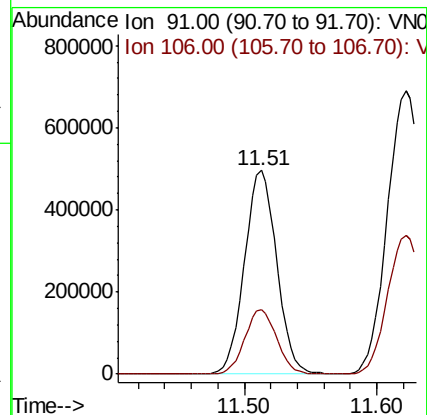
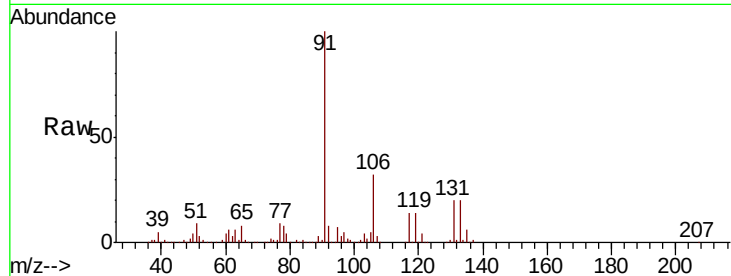
VN0808MBSD01

Tot Ion: 91 Resp: 836875

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#68

m/p-Xylenes

Concen: 40.94 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050458.D

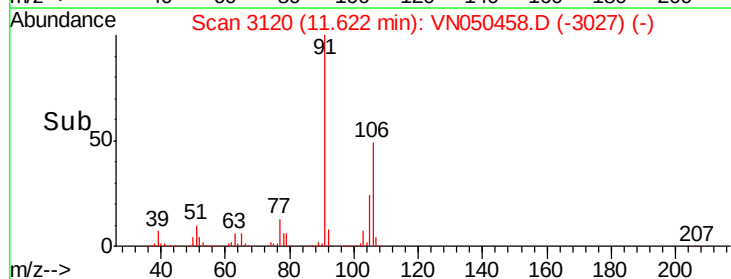
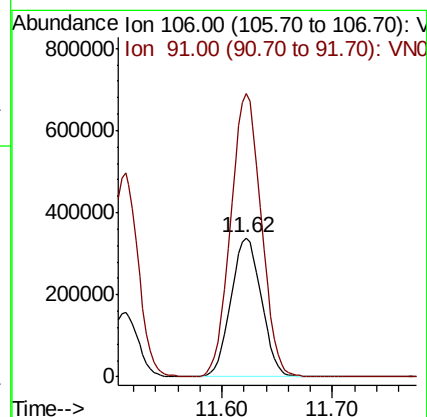
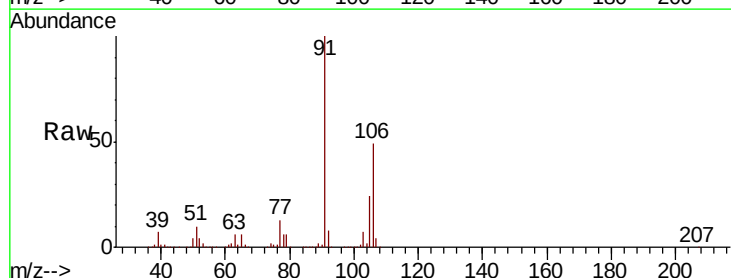
Acq: 8 Aug 2018 14:50

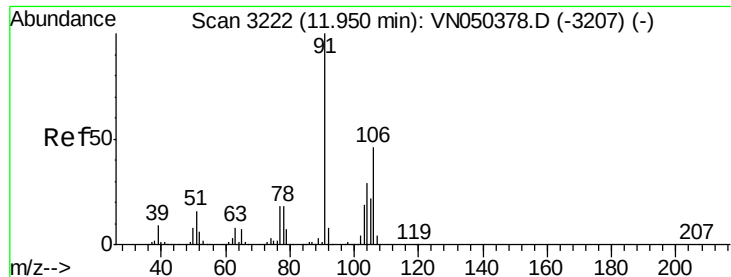
Tgt Ion: 106 Resp: 649455

Ion Ratio Lower Upper

106 100

91 204.0 162.2 243.2

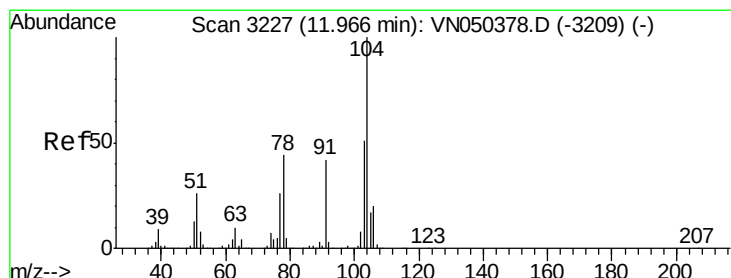
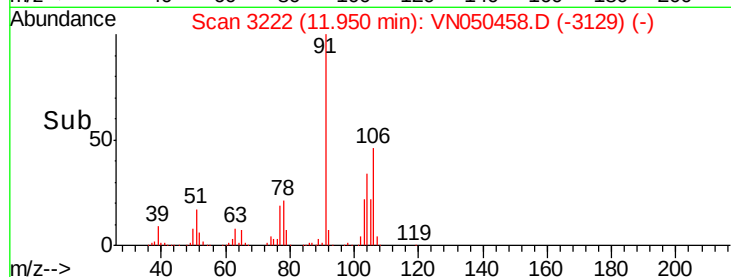
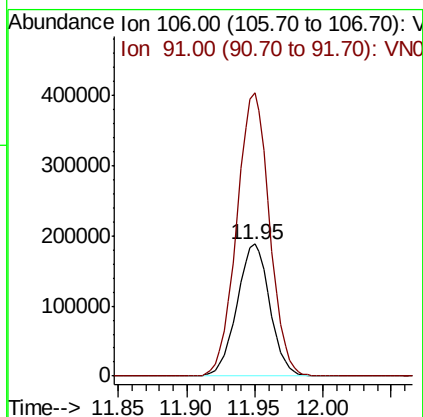
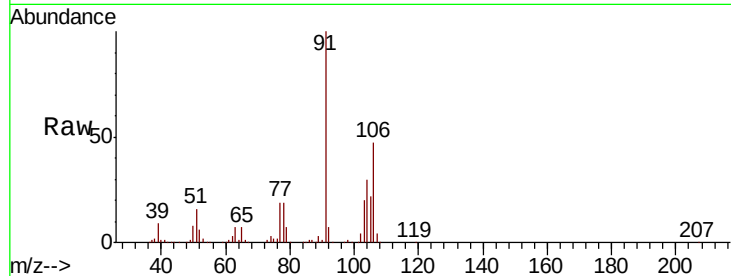




#69
o-Xylene
Concen: 20.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

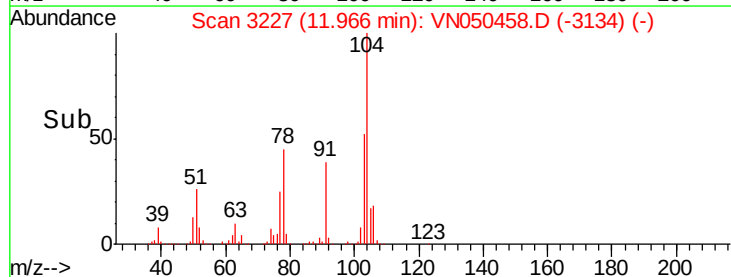
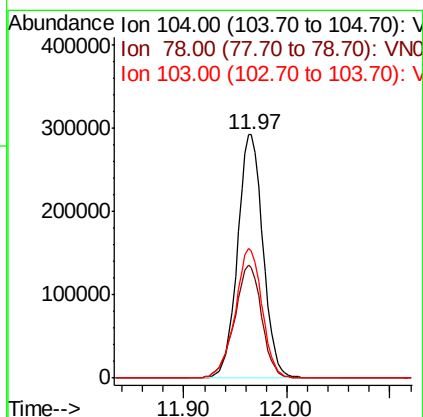
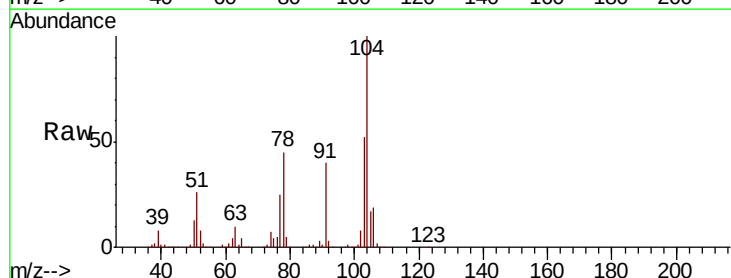
Instrument :
MSVOA_N
ClientSampled :
VN0808MBSD01

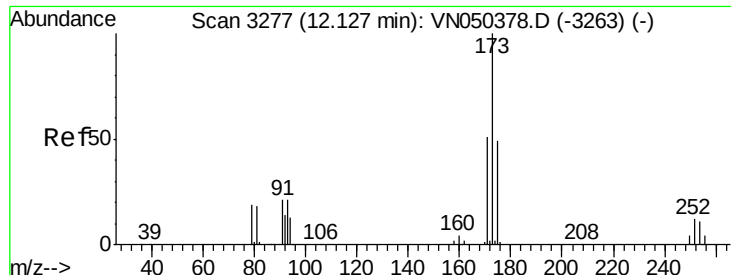
Tot Ion:106 Resp: 314128
Ion Ratio Lower Upper
106 100
91 214.2 107.7 323.1



#70
Styrene
Concen: 20.14 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion:104 Resp: 500393
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 56.3 45.0 67.6

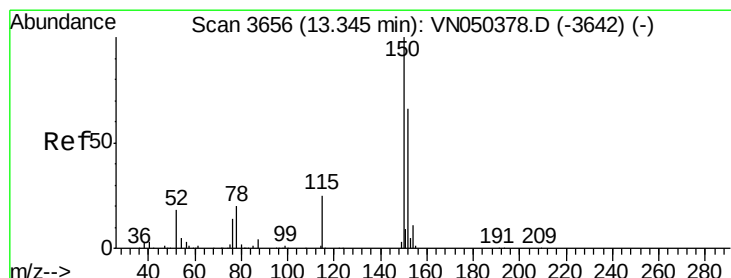
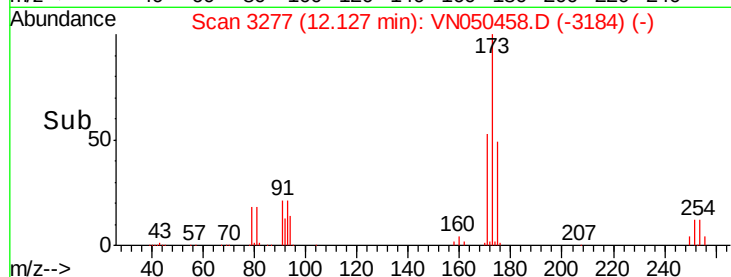
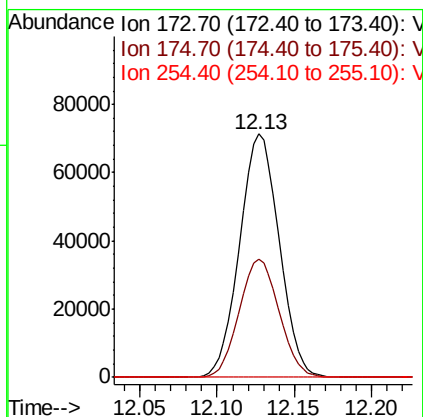
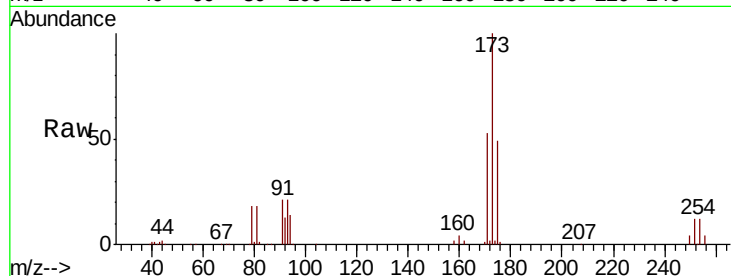




#71
 Bromoform
 Concen: 18.53 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

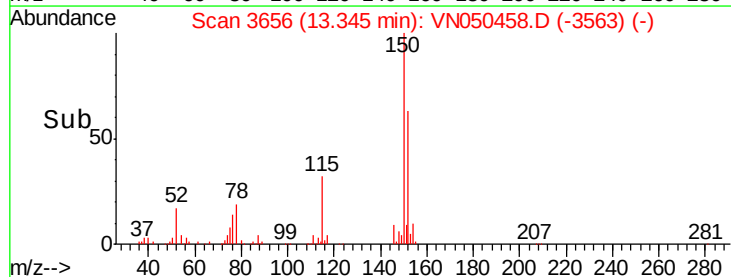
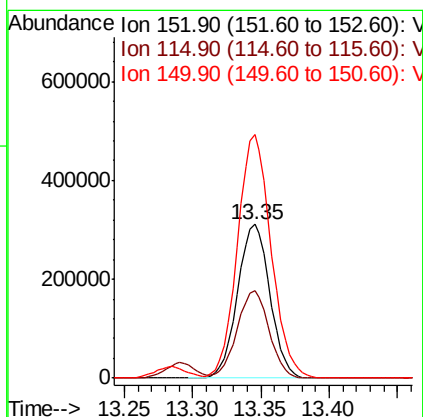
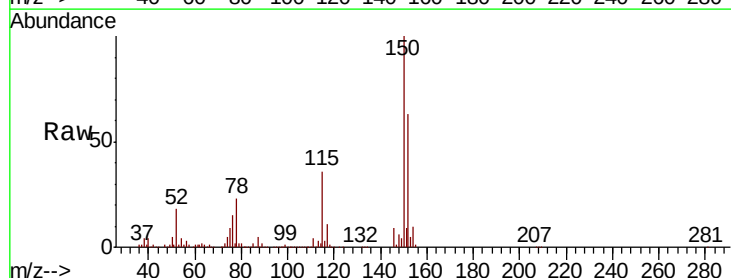
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

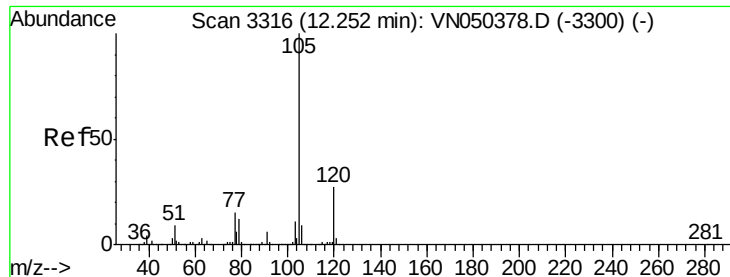
Tot Ion:173 Resp: 127030
 Ion Ratio Lower Upper
 173 100
 175 49.1 24.1 72.2
 254 0.0 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion:152 Resp: 510793
 Ion Ratio Lower Upper
 152 100
 115 56.5 27.8 83.3
 150 165.2 0.0 348.6





#73

Isopropylbenzene

Concen: 21.63 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

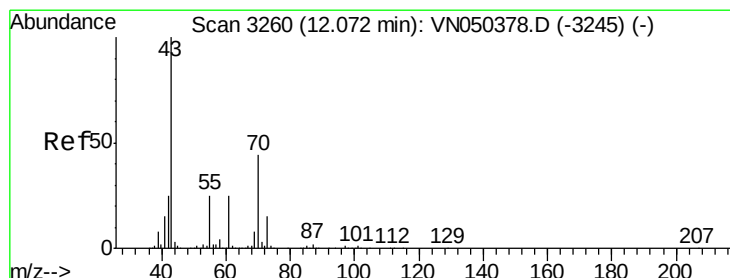
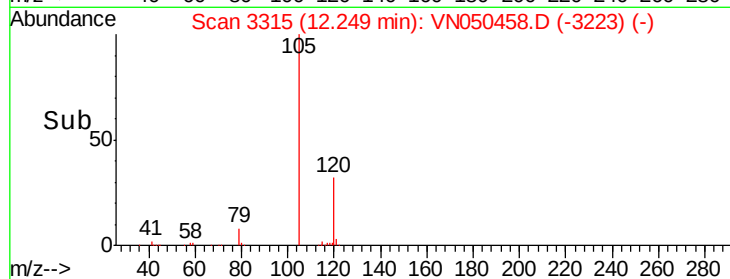
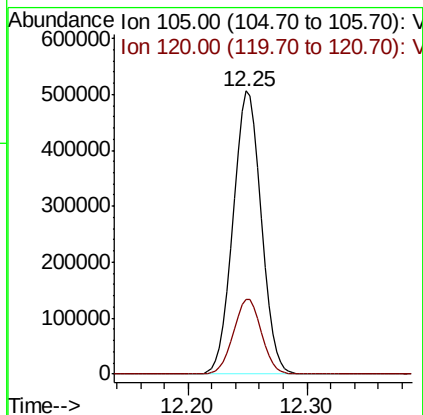
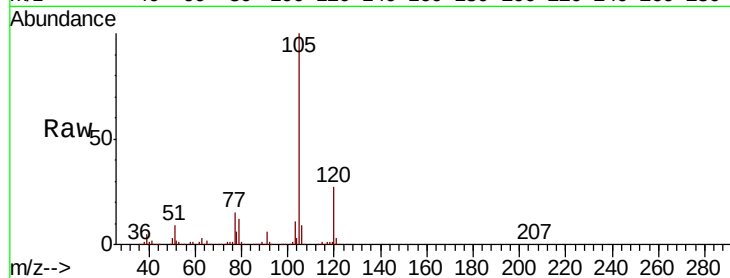
VN0808MBSD01

Tot Ion:105 Resp: 829188

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 18.62 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion: 43 Resp: 231430

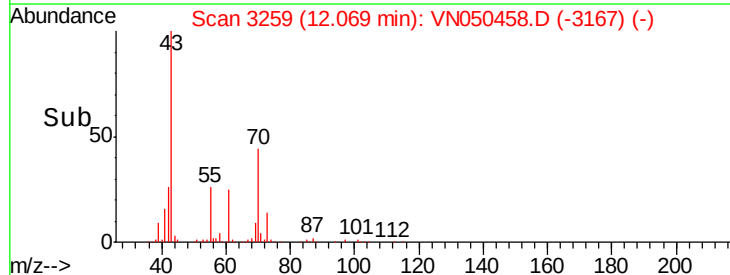
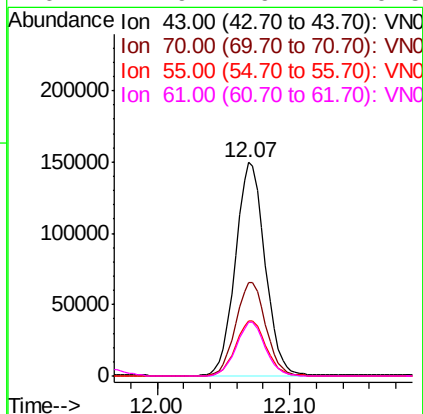
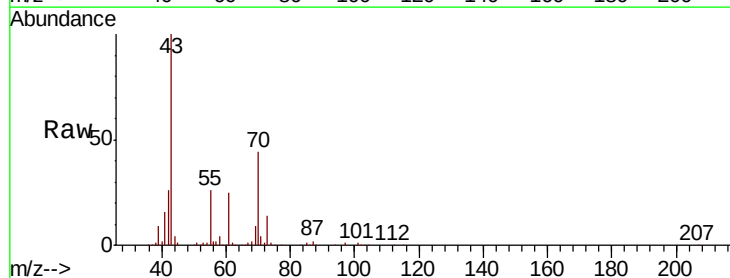
Ion Ratio Lower Upper

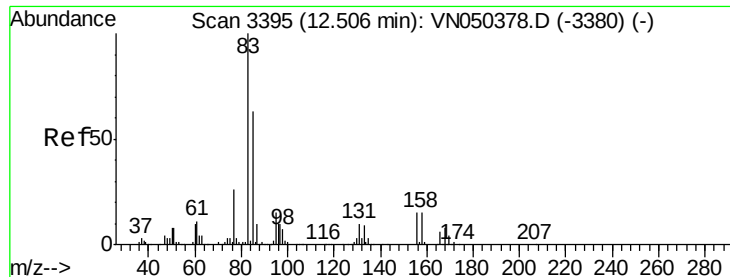
43 100

70 44.7 34.4 51.6

55 26.8 20.8 31.2

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

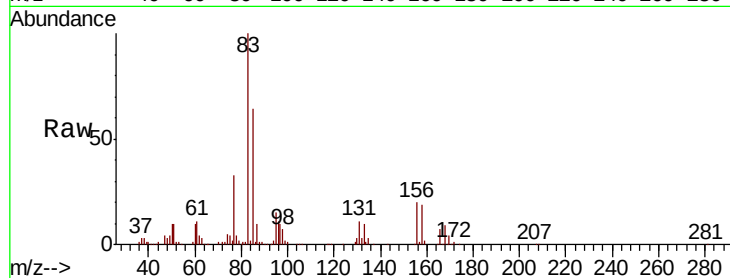
Tot Ion: 83 Resp: 208383

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

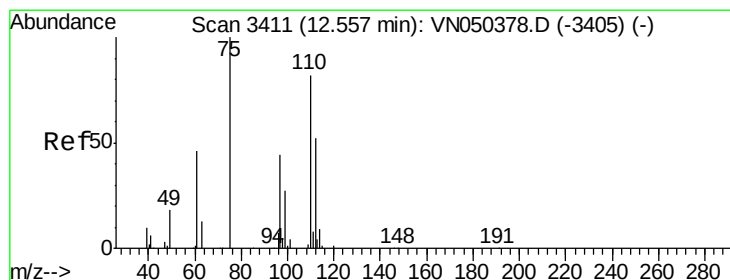
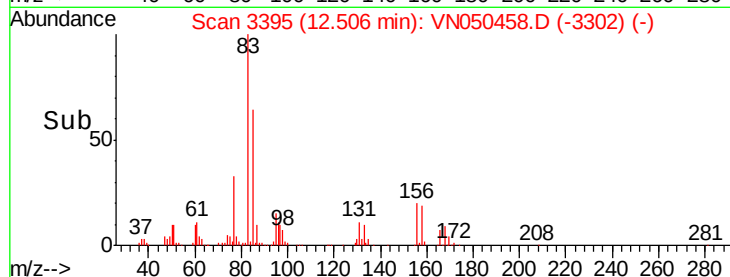
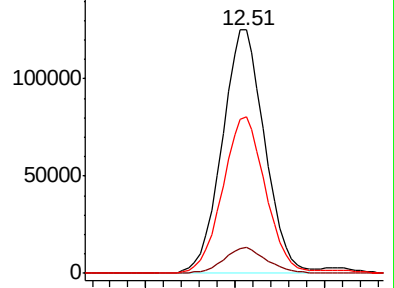
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.55 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050458.D

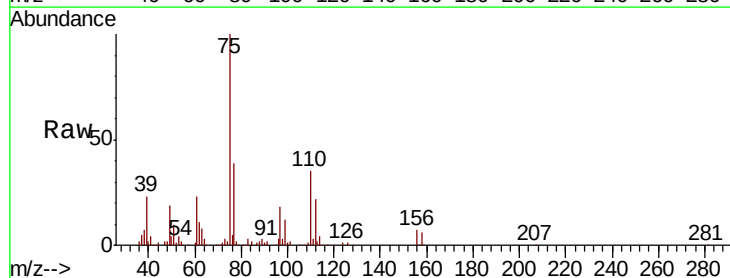
Acq: 8 Aug 2018 14:50

Tgt Ion: 75 Resp: 254733

Ion Ratio Lower Upper

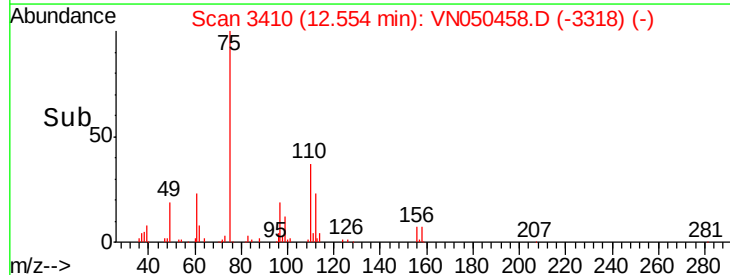
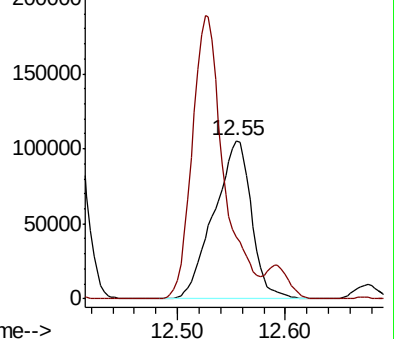
75 100

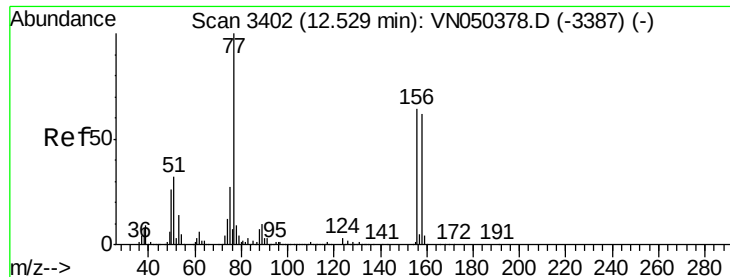
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

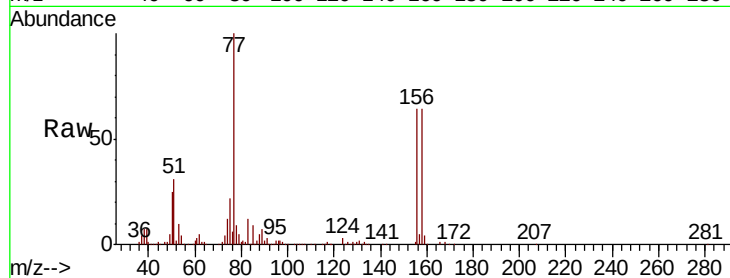
Tot Ion:156 Resp: 214915

Ion Ratio Lower Upper

156 100

77 178.2 91.7 275.1

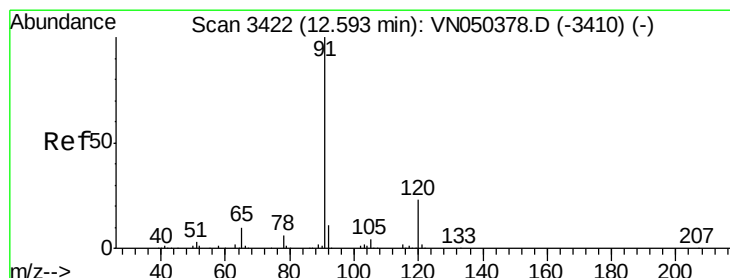
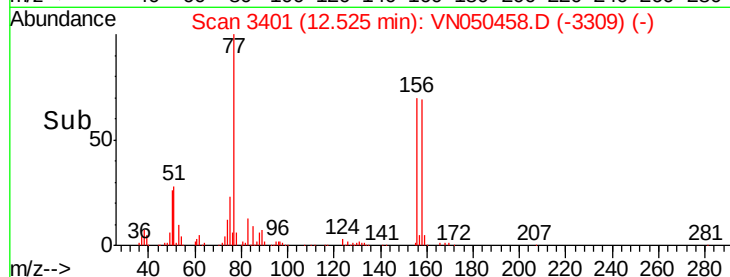
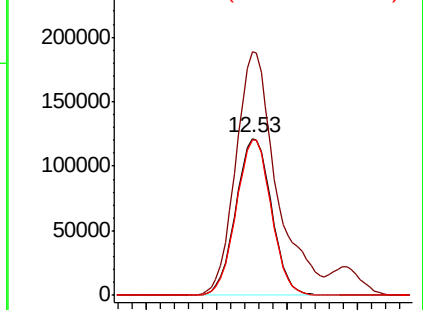
158 97.6 48.9 146.6



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: 20.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050458.D

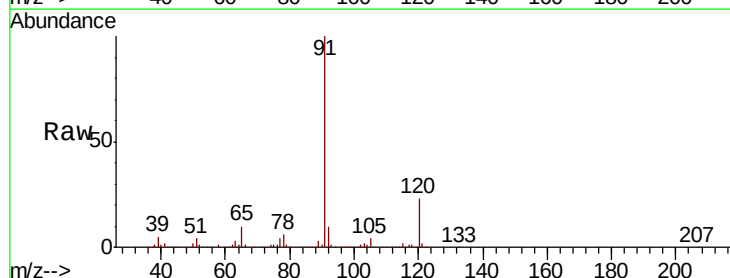
Acq: 8 Aug 2018 14:50

Tgt Ion: 91 Resp: 906882

Ion Ratio Lower Upper

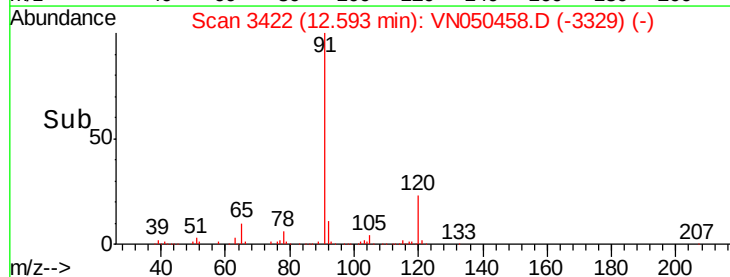
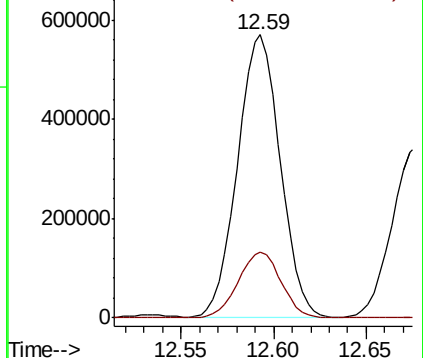
91 100

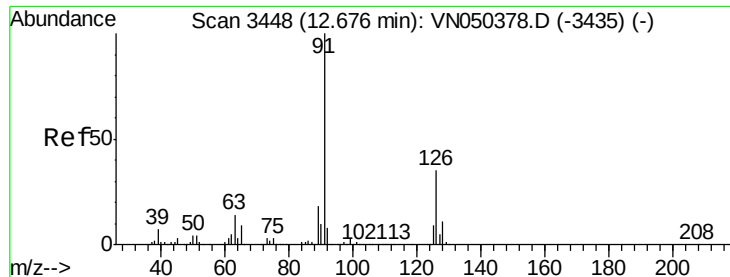
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.93 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

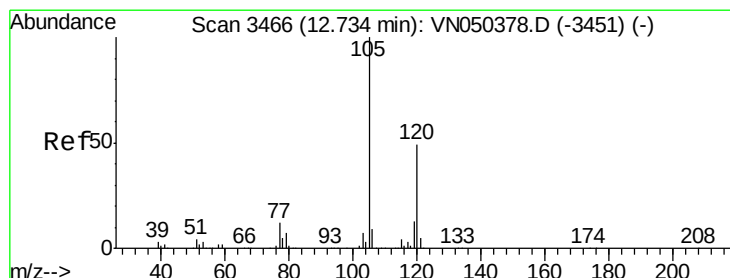
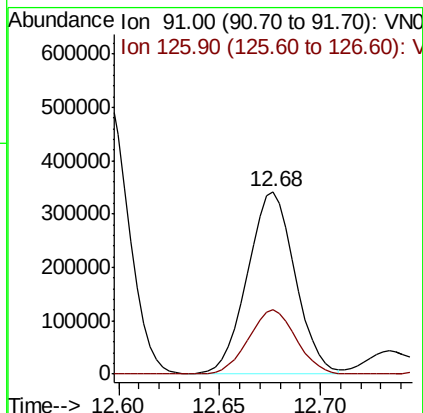
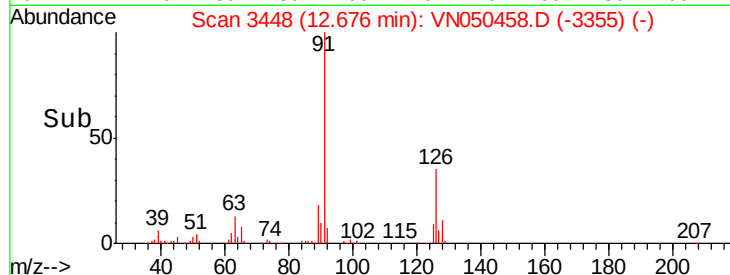
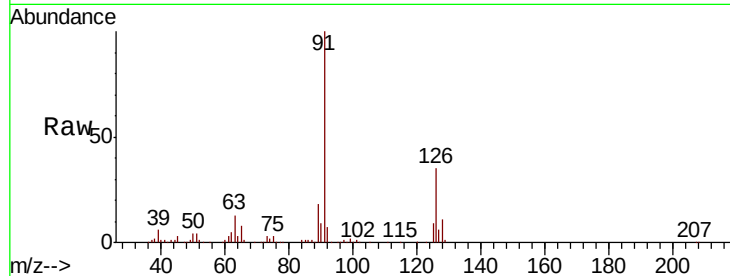
VN0808MBSD01

Tot Ion: 91 Resp: 561069

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.48 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050458.D

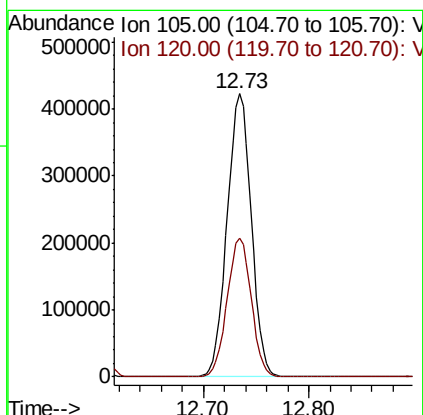
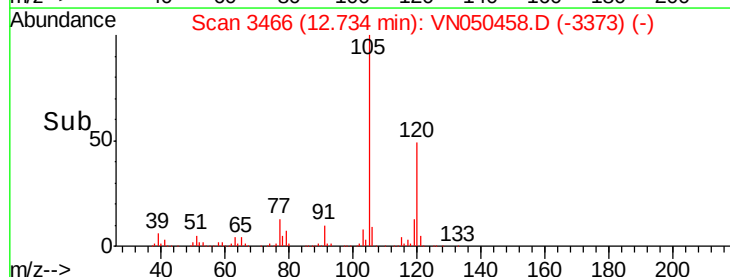
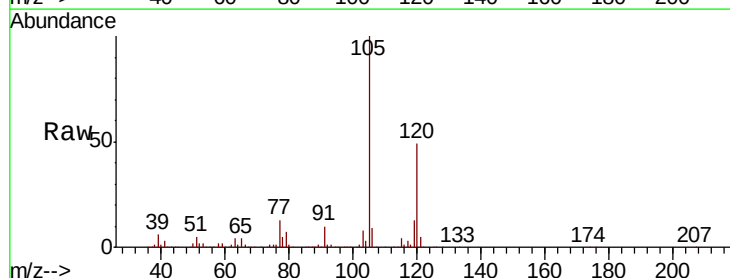
Acq: 8 Aug 2018 14:50

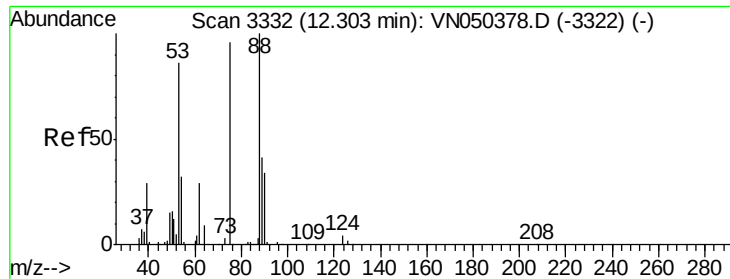
Tgt Ion: 105 Resp: 668683

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.05 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

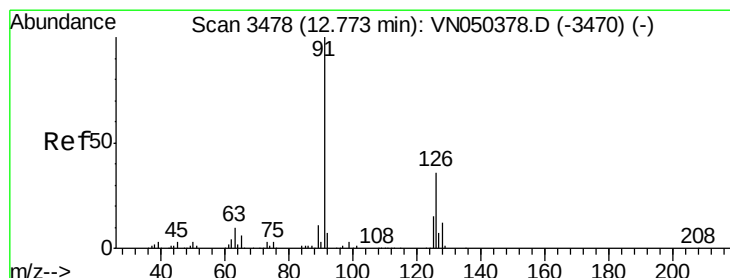
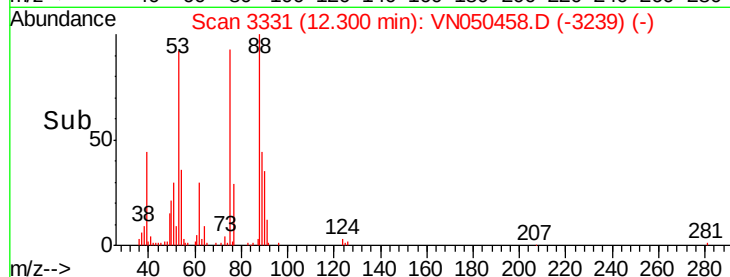
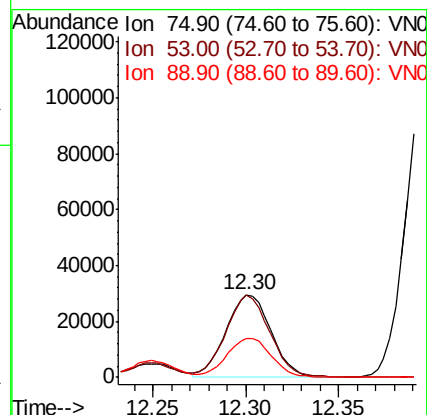
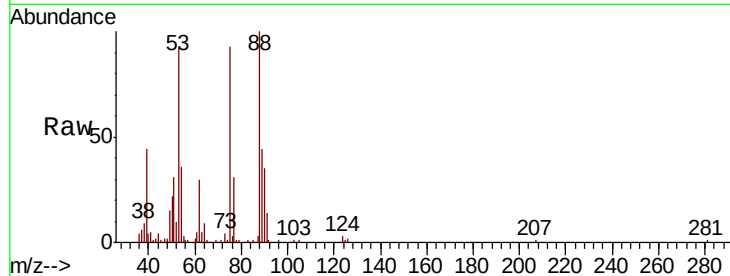
Tot Ion: 75 Resp: 50133

Ion Ratio Lower Upper

75 100

53 97.2 73.5 110.3

89 46.3 36.0 54.0



#82

4-Chlorotoluene

Concen: 20.98 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050458.D

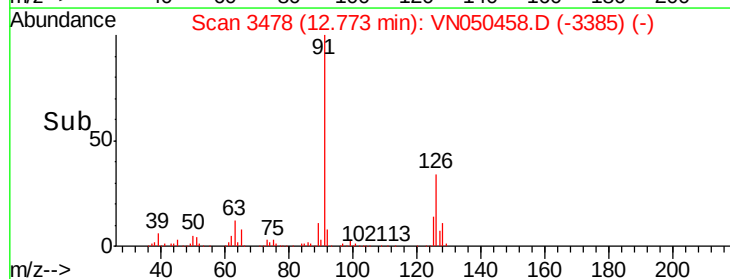
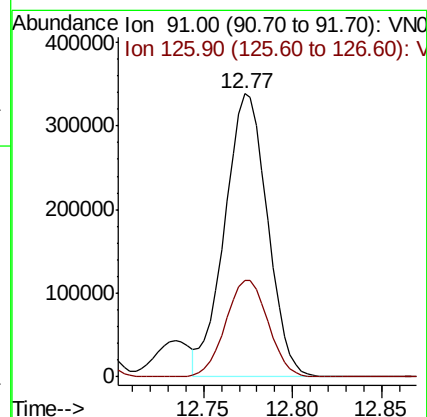
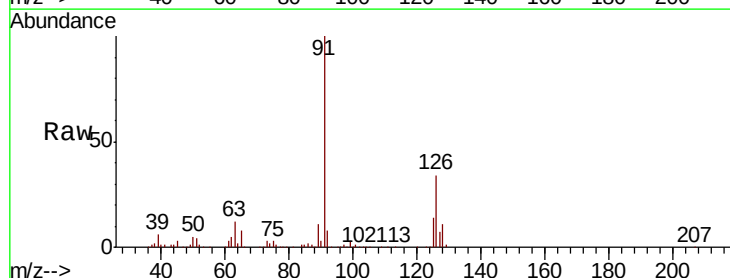
Acq: 8 Aug 2018 14:50

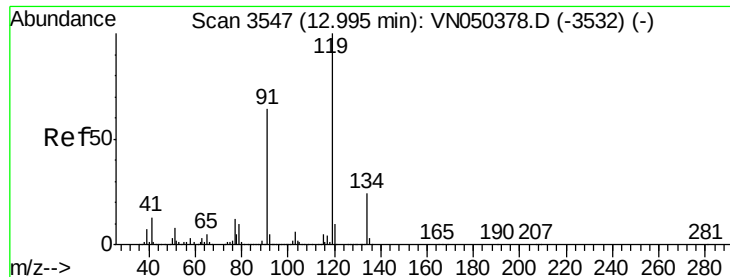
Tgt Ion: 91 Resp: 560741

Ion Ratio Lower Upper

91 100

126 34.2 17.0 51.0





#83

tert-Butylbenzene

Concen: 21.39 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampled :

VN0808MBSD01

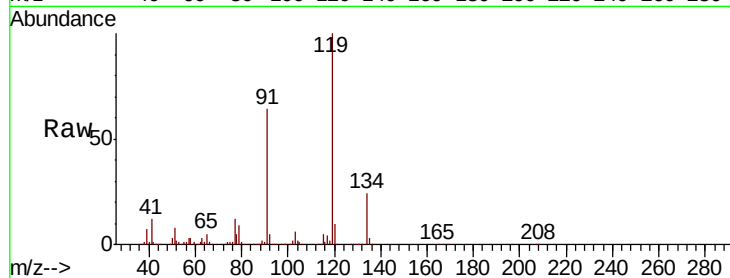
Tot Ion:119 Resp: 580719

Ion Ratio Lower Upper

119 100

91 63.1 32.1 96.3

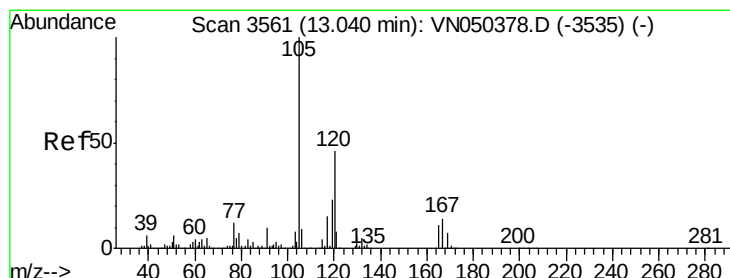
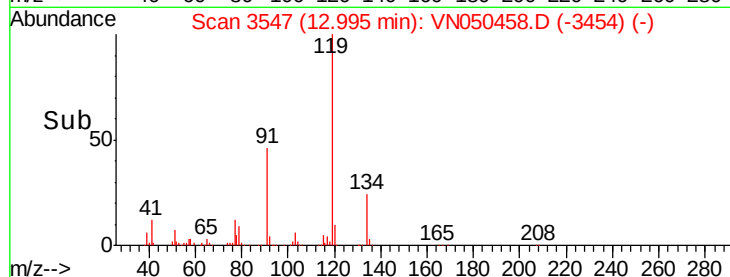
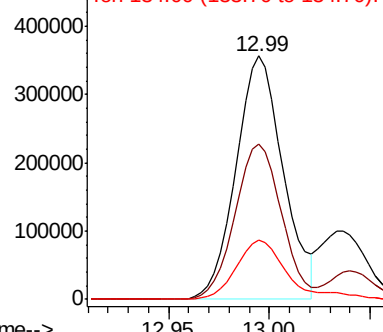
134 26.3 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.73 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050458.D

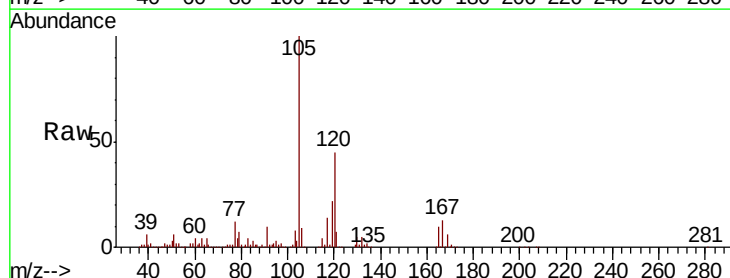
Acq: 8 Aug 2018 14:50

Tgt Ion:105 Resp: 685303

Ion Ratio Lower Upper

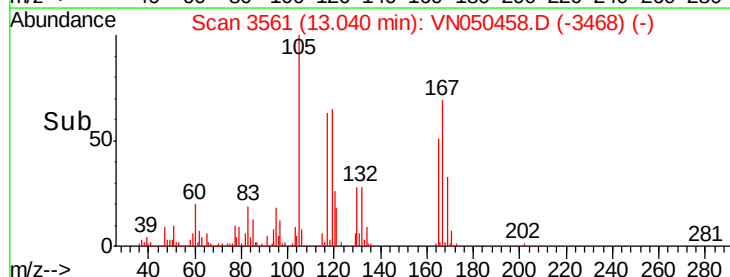
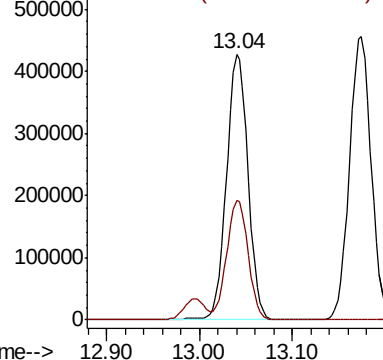
105 100

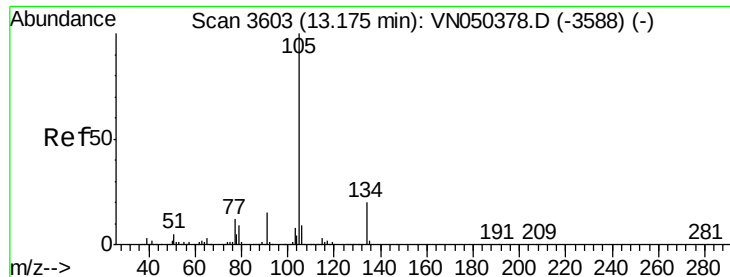
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

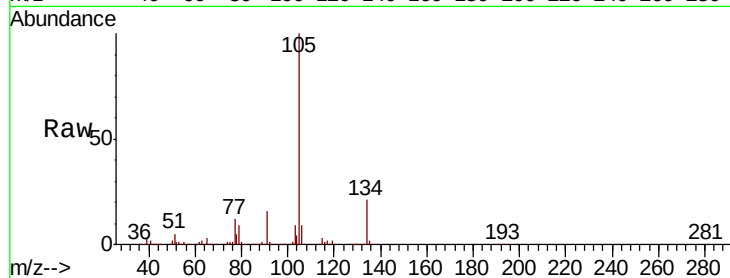
VN0808MBSD01

Tot Ion:105 Resp: 736333

Ion Ratio Lower Upper

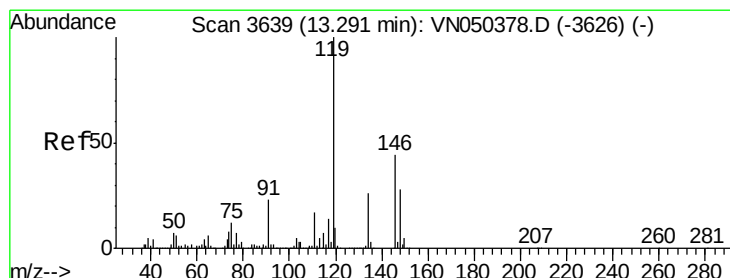
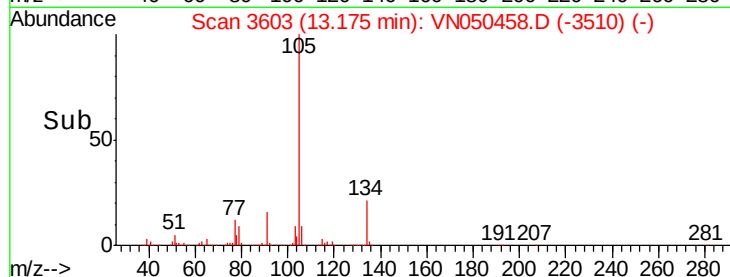
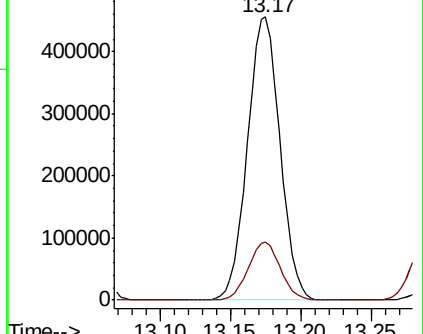
105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

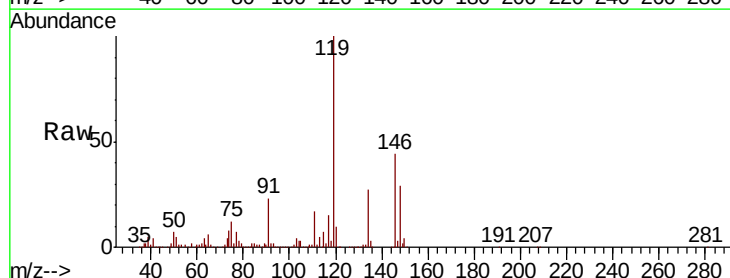
Tgt Ion:119 Resp: 639046

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

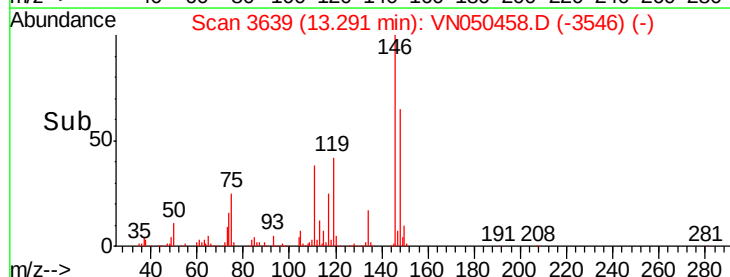
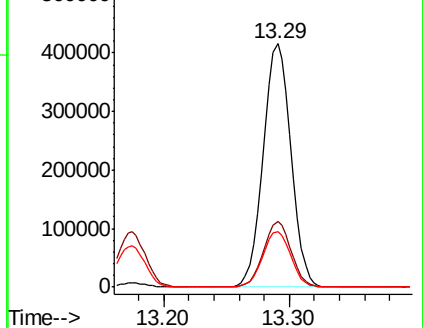
91 23.0 11.4 34.2

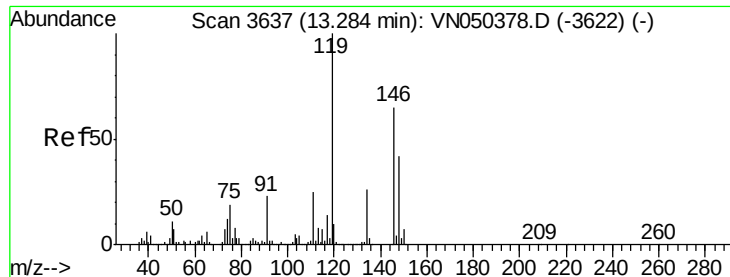


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.96 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

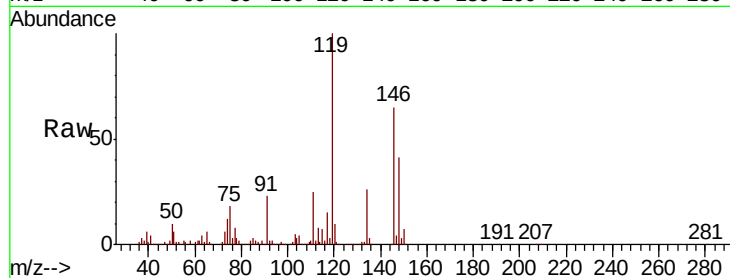
Tot Ion:146 Resp: 365137

Ion Ratio Lower Upper

146 100

111 38.5 18.8 56.4

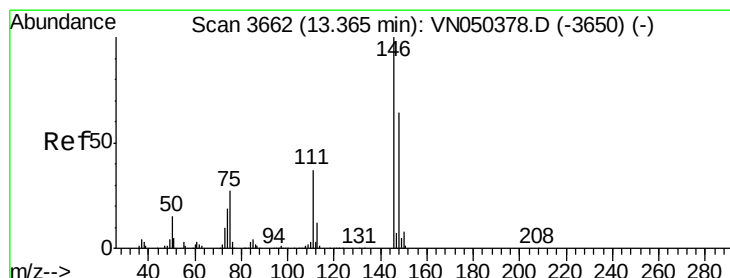
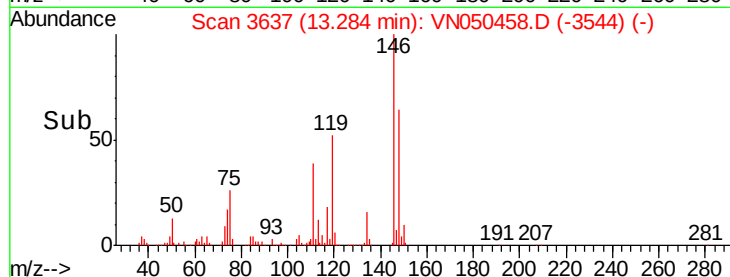
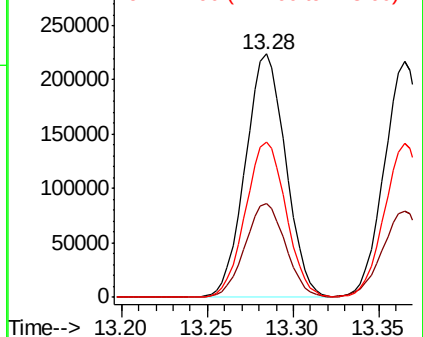
148 64.0 31.9 95.9



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: 19.39 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

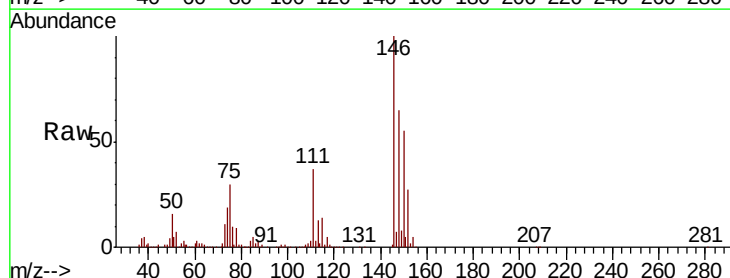
Tgt Ion:146 Resp: 354333

Ion Ratio Lower Upper

146 100

111 38.2 18.3 54.9

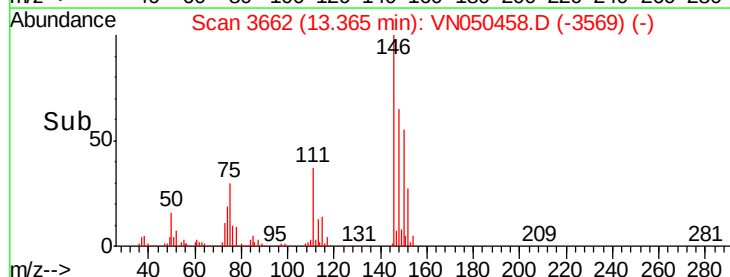
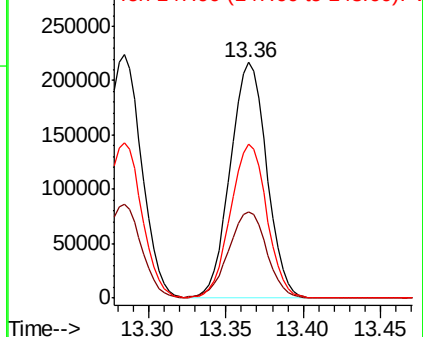
148 65.2 31.9 95.9

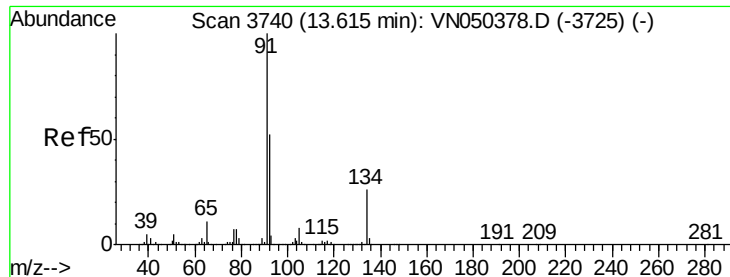


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.74 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampled :

VN0808MBSD01

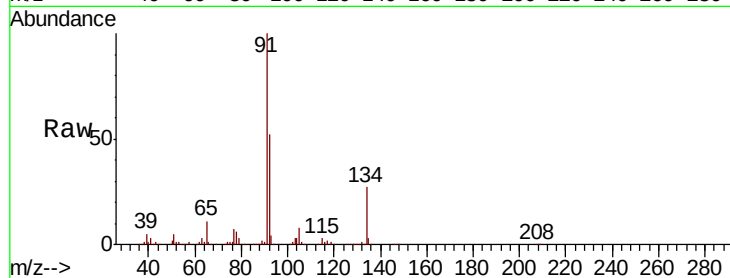
Tot Ion: 91 Resp: 494809

Ion Ratio Lower Upper

91 100

92 51.5 25.8 77.4

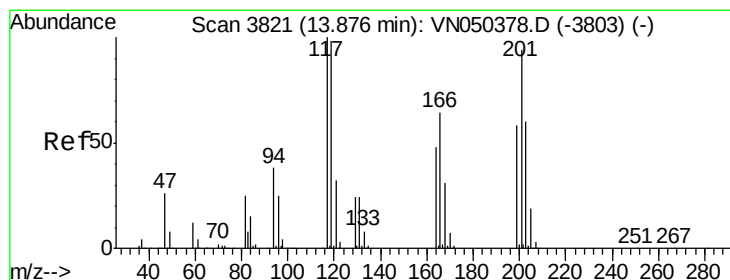
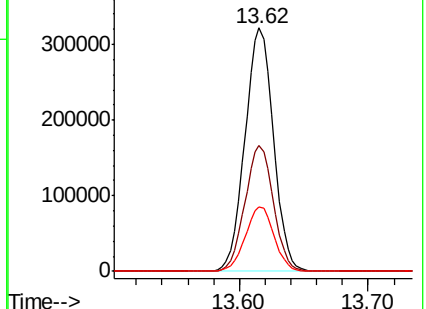
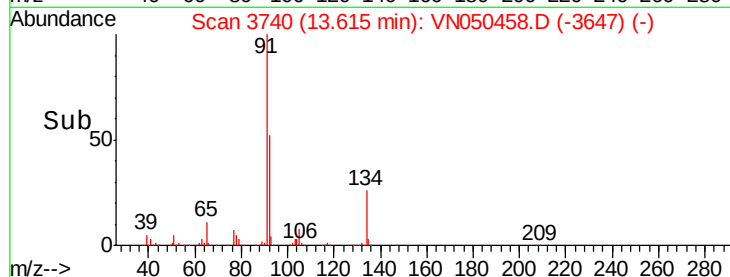
134 26.6 12.8 38.4



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: 18.79 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050458.D

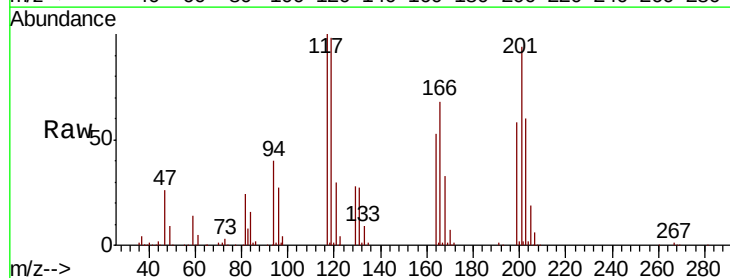
Acq: 8 Aug 2018 14:50

Tgt Ion: 117 Resp: 103613

Ion Ratio Lower Upper

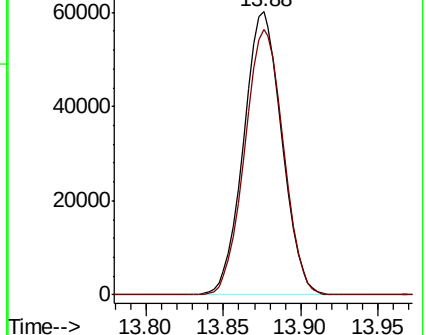
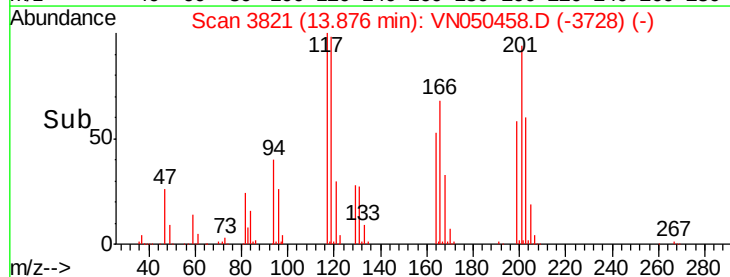
117 100

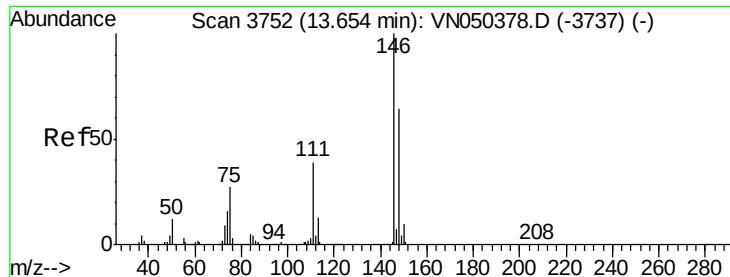
201 94.4 45.6 136.8



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: 19.58 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

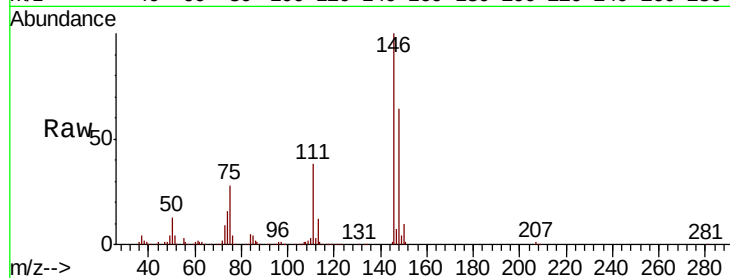
Tot Ion:146 Resp: 359069

Ion Ratio Lower Upper

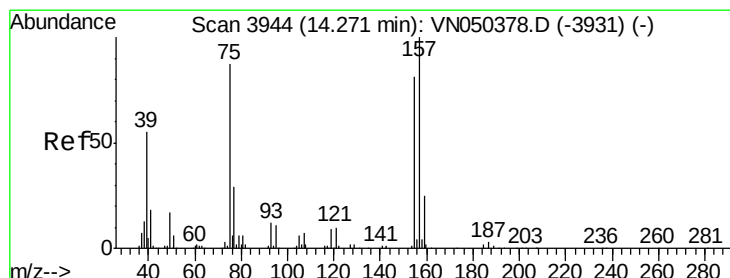
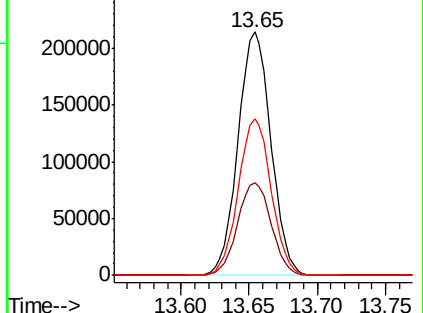
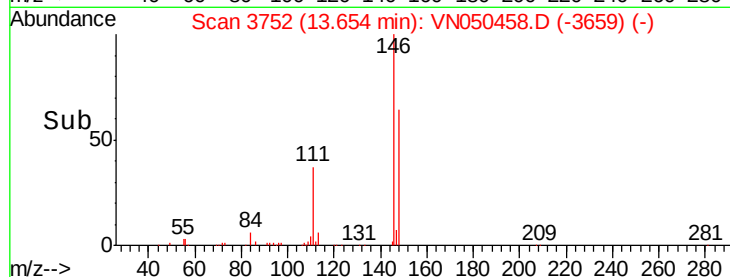
146 100

111 39.0 19.6 58.7

148 64.2 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: 16.86 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

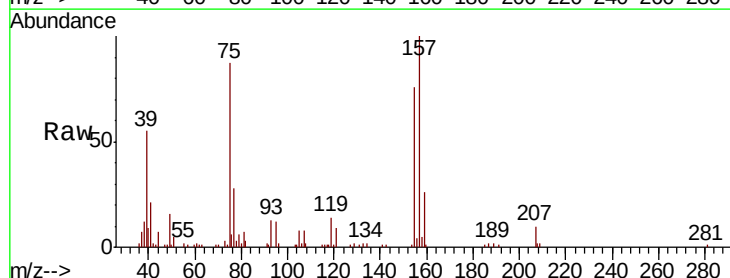
Tgt Ion: 75 Resp: 31677

Ion Ratio Lower Upper

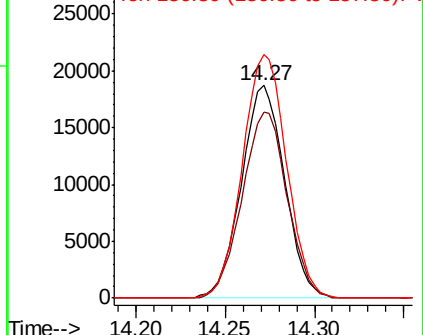
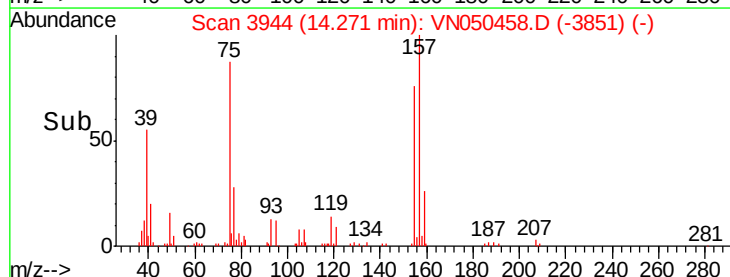
75 100

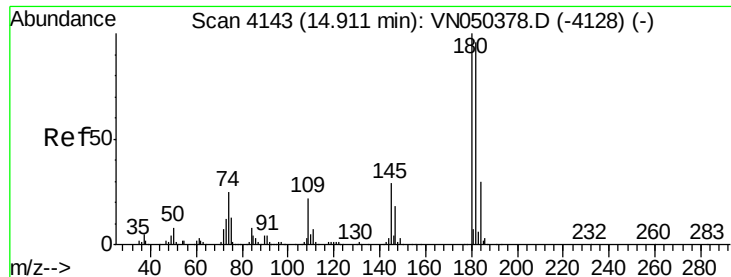
155 90.5 44.8 134.4

157 116.9 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

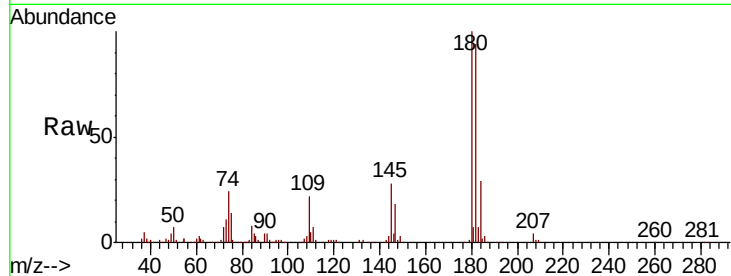




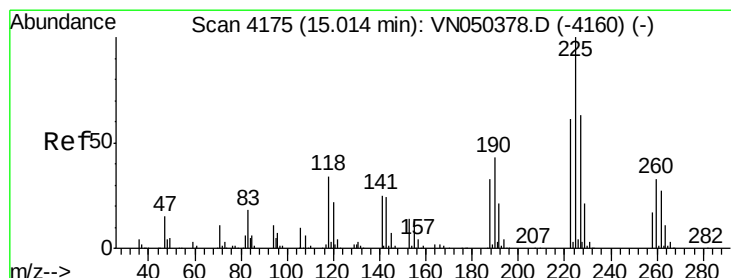
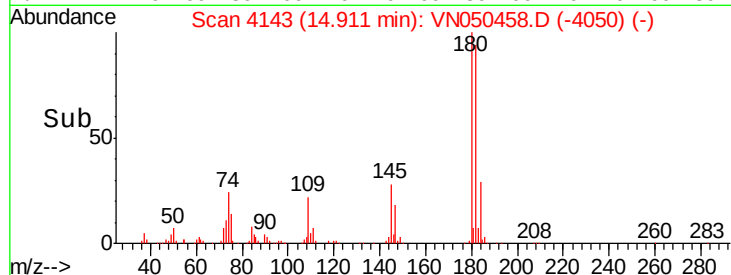
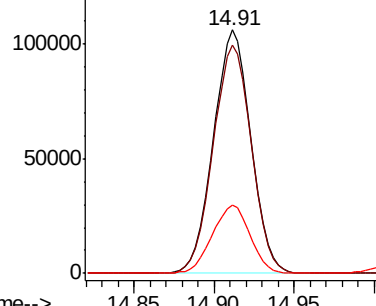
#93
 1,2,4-Trichlorobenzene
 Concen: 18.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.1
145	28.2	13.8	41.4

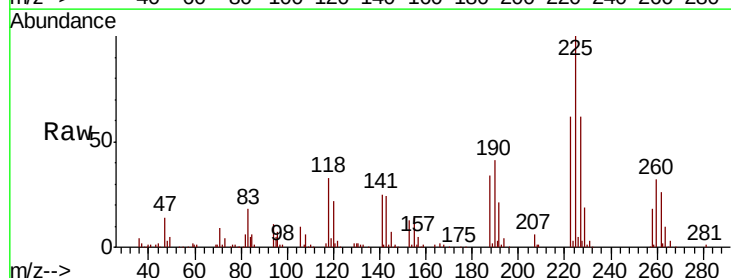


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

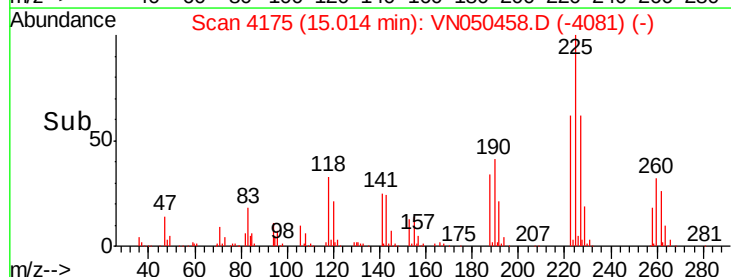
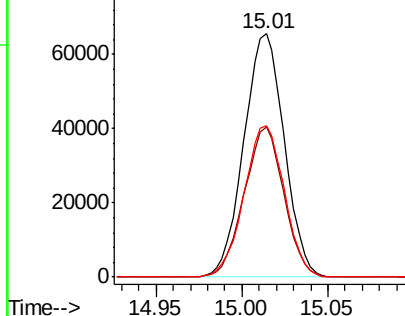


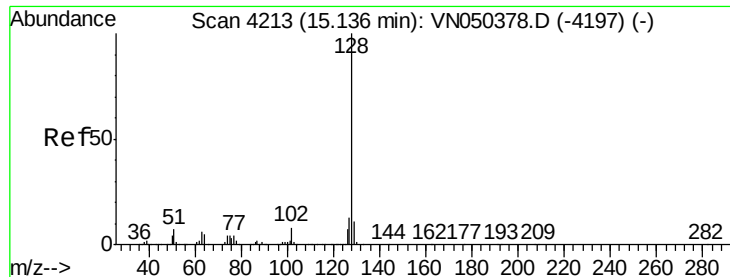
#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.4	94.2
227	61.8	32.1	96.5



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





#95

Naphthalene

Concen: 18.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

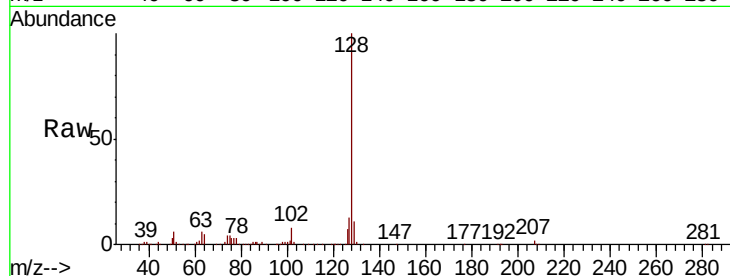
Tot Ion:128 Resp: 390244

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

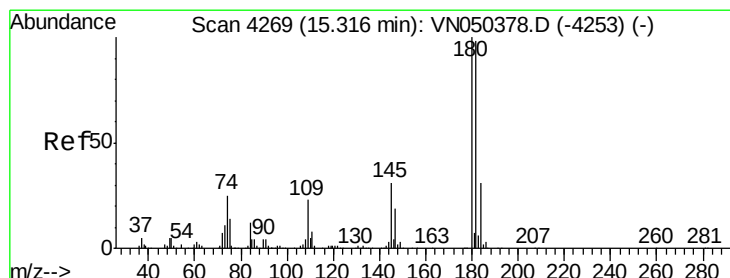
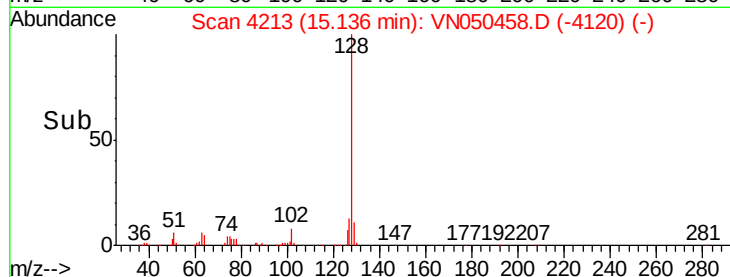
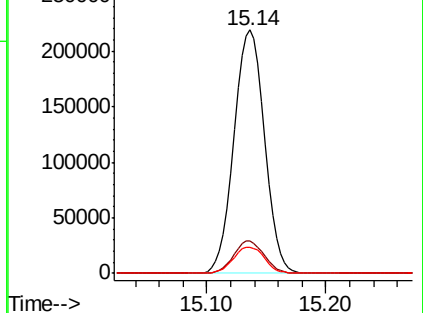
129 11.0 8.8 13.2



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: 17.60 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

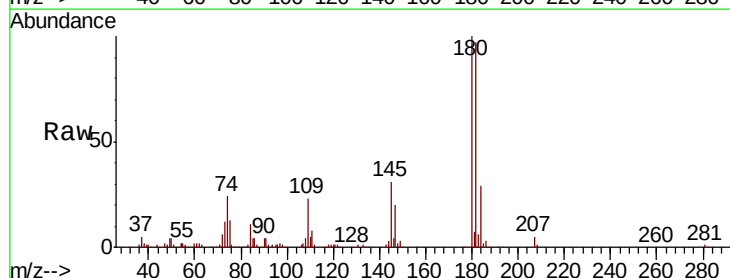
Tgt Ion:180 Resp: 166206

Ion Ratio Lower Upper

180 100

182 97.7 48.1 144.4

145 30.9 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

