

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050459.D
 Acq On : 8 Aug 2018 15:14
 Operator : MD\SY
 Sample : VN0808WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Quant Time: Aug 09 00:56:06 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	784248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1164503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1043781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	500423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	476332	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
35) Dibromofluoromethane	7.59	113	437061	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	10.09	98	1621054	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.40	95	531597	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	165338	18.99	ug/l	100
3) Chloromethane	2.06	50	198982	18.42	ug/l	100
4) Vinyl Chloride	2.18	62	216174	19.18	ug/l	98
5) Bromomethane	2.57	94	124047	22.80	ug/l	99
6) Chloroethane	2.70	64	132570	19.09	ug/l	97
7) Trichlorofluoromethane	3.01	101	284813	19.57	ug/l	100
8) Diethyl Ether	3.41	74	102664	19.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175463	19.51	ug/l	100
10) Methyl Iodide	3.95	142	87493	22.08	ug/l	96
11) Tert butyl alcohol	4.79	59	58551	69.56	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	164014	19.34	ug/l	98
13) Acrolein	3.61	56	63136	69.21	ug/l	97
14) Allyl chloride	4.33	41	248800	18.27	ug/l	99
15) Acrylonitrile	4.99	53	281154	79.74	ug/l	100
16) Acetone	3.82	43	253387	80.84	ug/l	99
17) Carbon Disulfide	4.05	76	472255	17.13	ug/l	99
18) Methyl Acetate	4.33	43	140154	17.13	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	457399	19.01	ug/l	100
20) Methylene Chloride	4.55	84	187597	18.66	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	177697	19.37	ug/l	98
22) Diisopropyl ether	5.96	45	547461	19.68	ug/l	99
23) Vinyl Acetate	5.90	43	1791925	90.29	ug/l	99
24) 1,1-Dichloroethane	5.85	63	327514	19.19	ug/l	100
25) 2-Butanone	6.84	43	397310	76.52	ug/l	98
26) 2,2-Dichloropropane	6.83	77	245406	17.44	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	201928	19.86	ug/l	98
28) Bromochloromethane	7.20	49	145690	18.54	ug/l	96
29) Tetrahydrofuran	7.22	42	208274	74.94	ug/l	96
30) Chloroform	7.37	83	333571	19.55	ug/l	100
31) Cyclohexane	7.65	56	287537	18.75	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	289373	19.75	ug/l	99
36) 1,1-Dichloropropene	7.79	75	253225	19.79	ug/l	99
37) Ethyl Acetate	6.93	43	149943	16.27	ug/l	99
38) Carbon Tetrachloride	7.78	117	254635	19.08	ug/l	99

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 Data File : VN050459.D
 Acq On : 8 Aug 2018 15:14
 Operator : MD\SY
 Sample : VN0808WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Quant Time: Aug 09 00:56:06 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)
39) Methylcyclohexane	9.08	83	260455	18.65	ug/l	96
40) Benzene	8.04	78	762684	19.39	ug/l	99
41) Methacrylonitrile	7.17	41	77103	15.74	ug/l	86
42) 1,2-Dichloroethane	8.13	62	233969	18.74	ug/l	99
43) Isopropyl Acetate	8.17	43	265940	16.72	ug/l	96
44) Trichloroethene	8.84	130	209548	19.83	ug/l	98
45) 1,2-Dichloropropane	9.12	63	196045	18.96	ug/l	99
46) Dibromomethane	9.21	93	117584	18.41	ug/l	97
47) Bromodichloromethane	9.40	83	249618	18.87	ug/l	99
48) Methyl methacrylate	9.20	41	131942	16.55	ug/l	98
49) 1,4-Dioxane	9.20	88	35337	287.56	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	907298	79.20	ug/l	98
52) Toluene	10.16	92	467475	19.78	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	240319	18.09	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	283273	19.11	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	168509	18.27	ug/l	98
56) Ethyl methacrylate	10.43	69	206312	16.97	ug/l	97
57) 1,3-Dichloropropane	10.71	76	281782	18.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	459969	80.75	ug/l	98
59) 2-Hexanone	10.75	43	584813	73.15	ug/l	98
60) Dibromochloromethane	10.90	129	184324	18.14	ug/l	99
61) 1,2-Dibromoethane	11.01	107	162392	17.86	ug/l	97
64) Tetrachloroethene	10.63	164	204881	21.01	ug/l	99
65) Chlorobenzene	11.44	112	510603	19.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	186998	19.63	ug/l	99
67) Ethyl Benzene	11.51	91	856979	20.26	ug/l	100
68) m/p-Xylenes	11.62	106	658511	40.89	ug/l	100
69) o-Xylene	11.95	106	318200	20.51	ug/l	98
70) Styrene	11.96	104	503335	19.95	ug/l	100
71) Bromoform	12.13	173	122253	17.56	ug/l #	100
73) Isopropylbenzene	12.25	105	833576	22.19	ug/l	99
74) N-amyl acetate	12.07	43	213376	17.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	199631	18.42	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	233527	25.78	ug/l #	100
77) Bromobenzene	12.53	156	213599	21.22	ug/l	97
78) n-propylbenzene	12.59	91	910732	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	563461	21.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673018	22.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44901	17.42	ug/l	99
82) 4-Chlorotoluene	12.77	91	562882	21.49	ug/l	98
83) tert-Butylbenzene	12.99	119	584555	21.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	680971	22.04	ug/l	100
85) sec-Butylbenzene	13.17	105	748713	21.12	ug/l	100
86) p-Isopropyltoluene	13.29	119	639187	21.04	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	363936	20.30	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	357056	19.95	ug/l	99
89) n-Butylbenzene	13.62	91	495297	19.15	ug/l	99
90) Hexachloroethane	13.88	117	101088	18.71	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	357189	19.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28530	15.50	ug/l	94

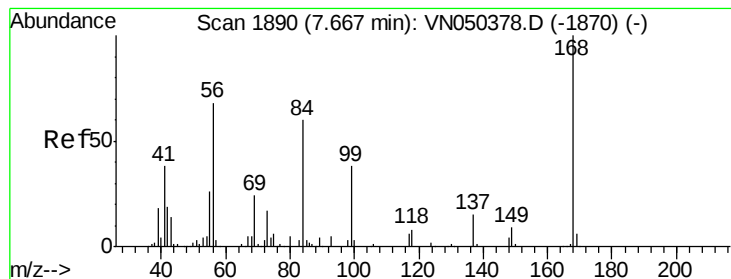
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
Data File : VN050459.D
Acq On : 8 Aug 2018 15:14
Operator : MD\SY
Sample : VN0808WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Quant Time: Aug 09 00:56:06 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)
93) 1,2,4-Trichlorobenzene	14.91	180	169851	18.56	ug/l	99
94) Hexachlorobutadiene	15.01	225	108876	20.82	ug/l	98
95) Naphthalene	15.14	128	361612	17.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	165914	17.93	ug/l	100

(#) = 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: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

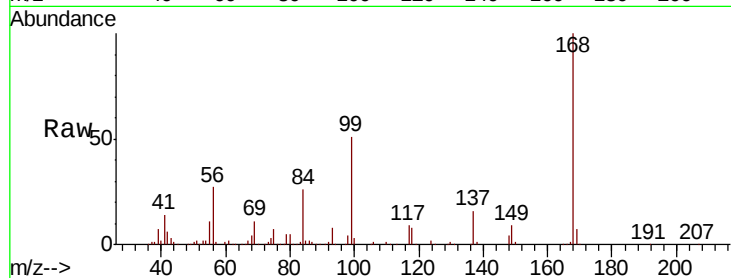
VN0808WBSD01

Tot Ion:168 Resp: 784248

Ion Ratio Lower Upper

168 100

99 50.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

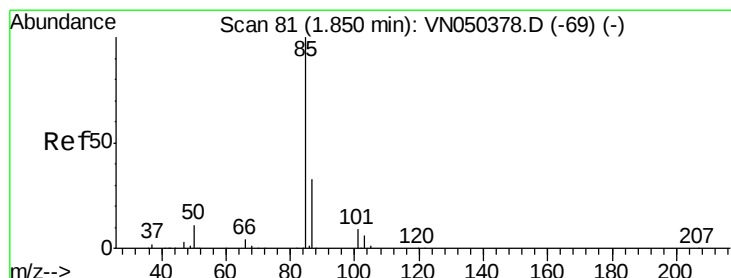
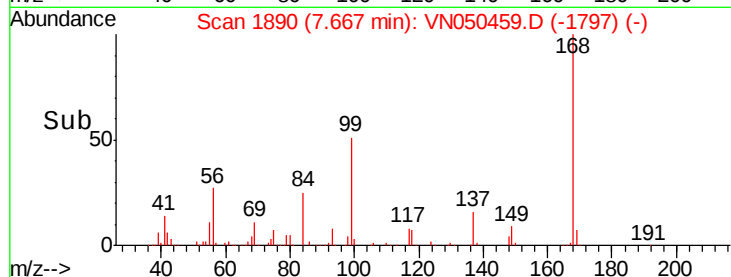
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.99 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050459.D

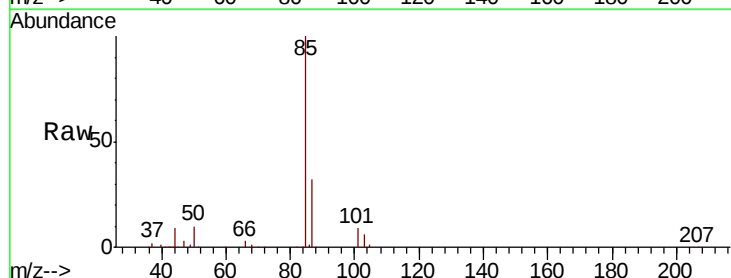
Acq: 8 Aug 2018 15:14

Tgt Ion: 85 Resp: 165338

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

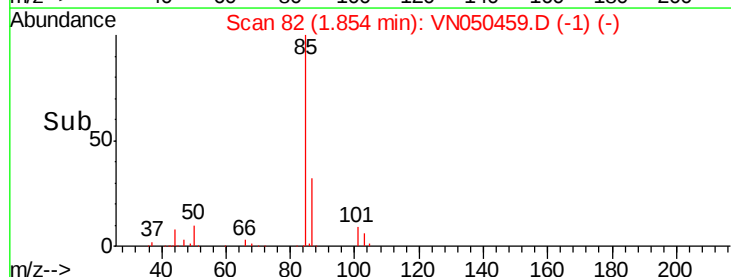
1.85

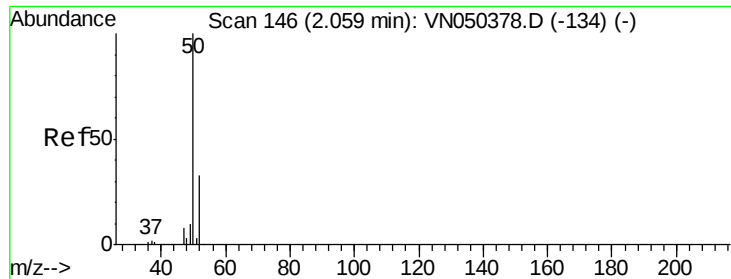
100000

50000

0

Time-->





#3

Chloromethane

Concen: 18.42 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

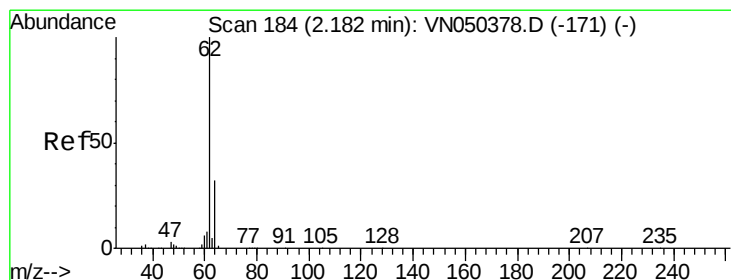
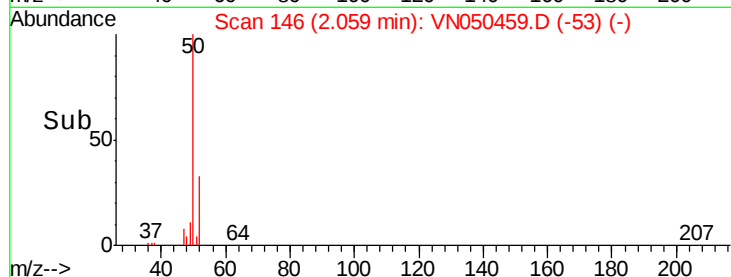
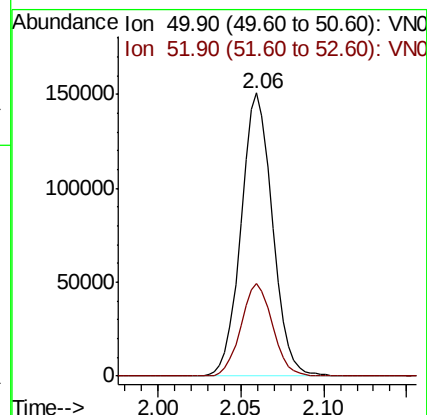
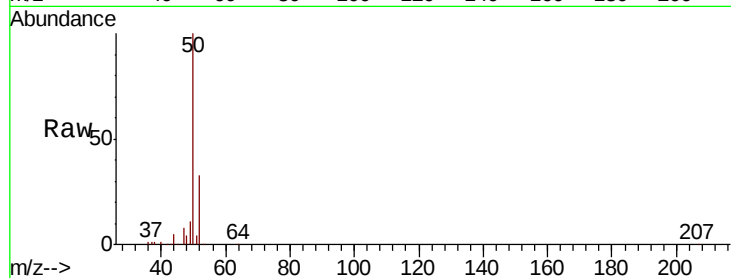
VN0808WBSD01

Tot Ion: 50 Resp: 198982

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 19.18 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050459.D

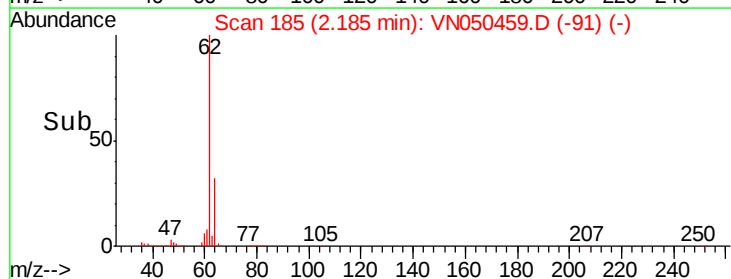
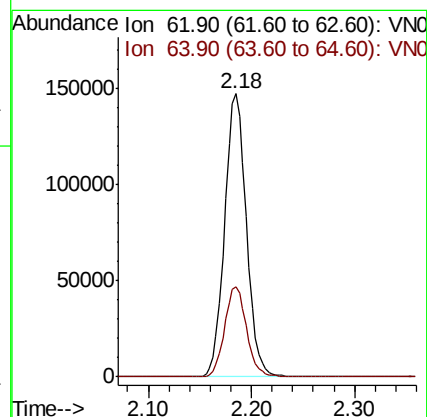
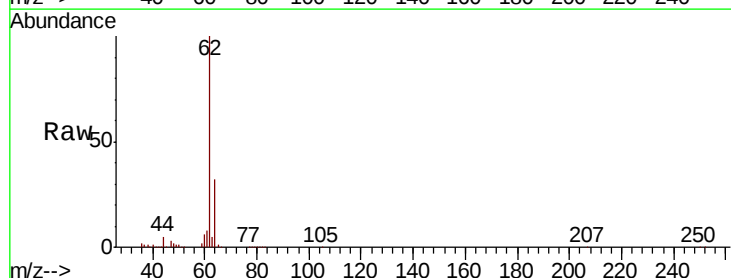
Acq: 8 Aug 2018 15:14

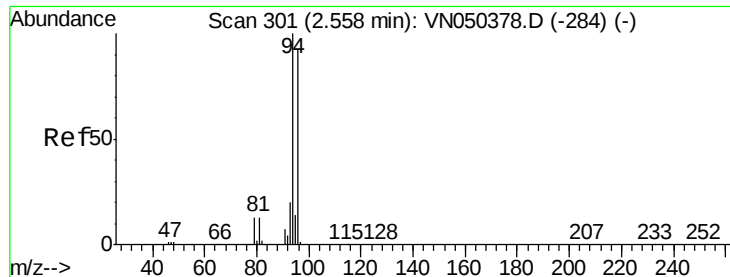
Tgt Ion: 62 Resp: 216174

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 22.80 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

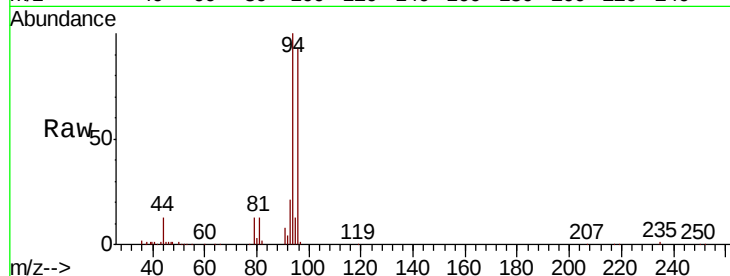
VN0808WBSD01

Tot Ion: 94 Resp: 124047

Ion Ratio Lower Upper

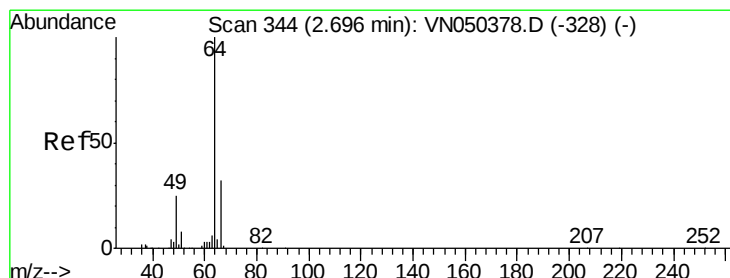
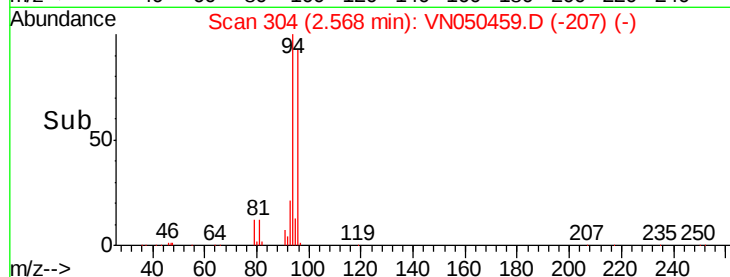
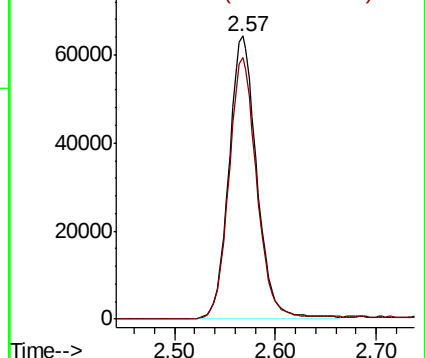
94 100

96 92.3 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: 19.09 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050459.D

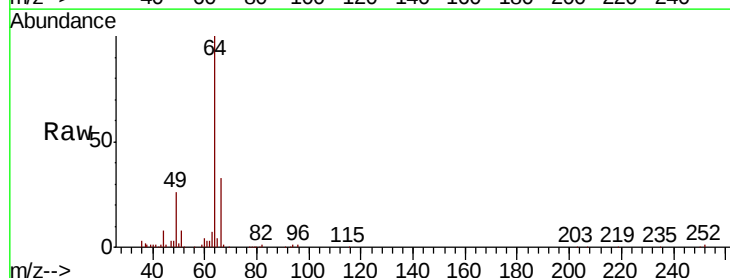
Acq: 8 Aug 2018 15:14

Tgt Ion: 64 Resp: 132570

Ion Ratio Lower Upper

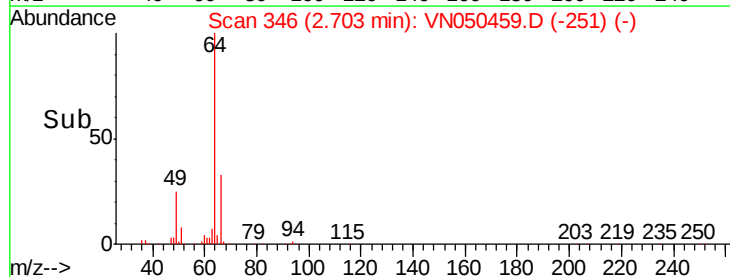
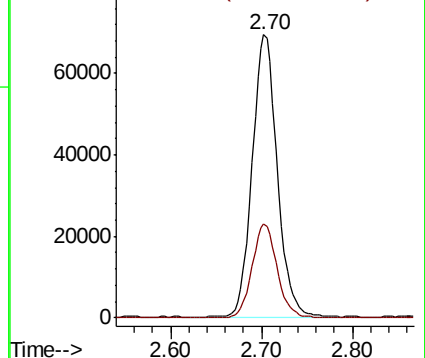
64 100

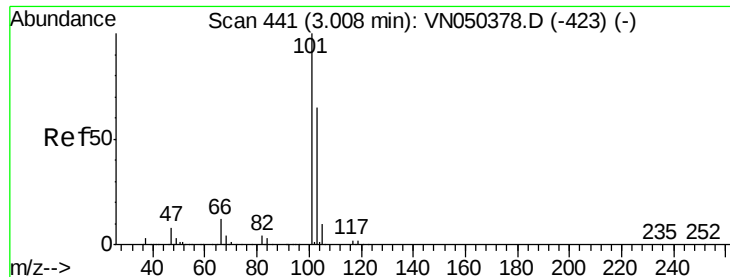
66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.57 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

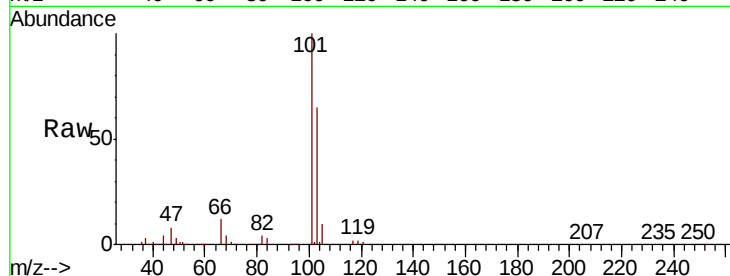
VN0808WBSD01

Tot Ion:101 Resp: 284813

Ion Ratio Lower Upper

101 100

103 64.5 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

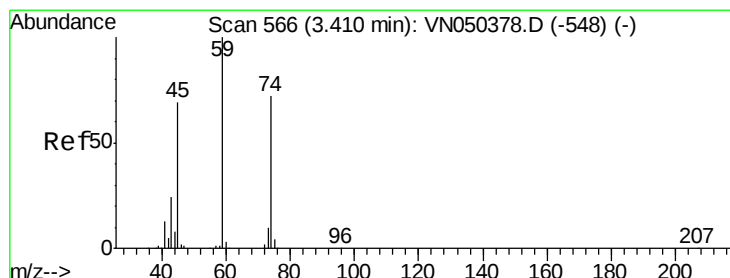
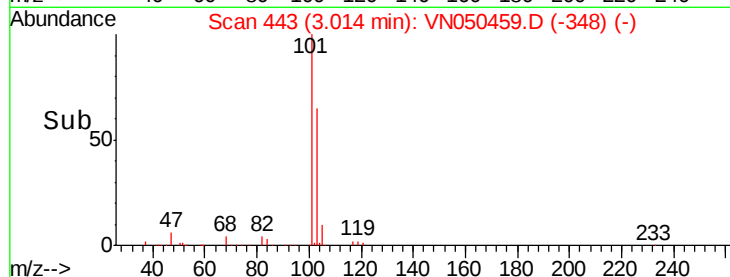
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 19.24 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050459.D

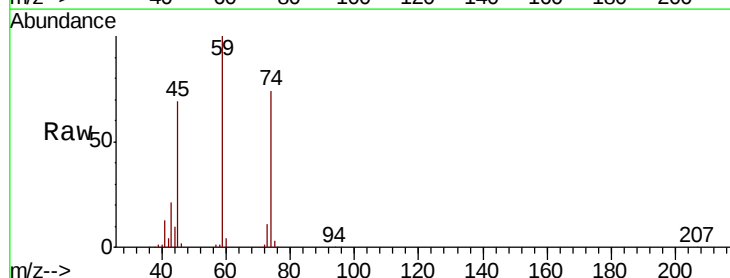
Acq: 8 Aug 2018 15:14

Tgt Ion: 74 Resp: 102664

Ion Ratio Lower Upper

74 100

45 92.9 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

50000

40000

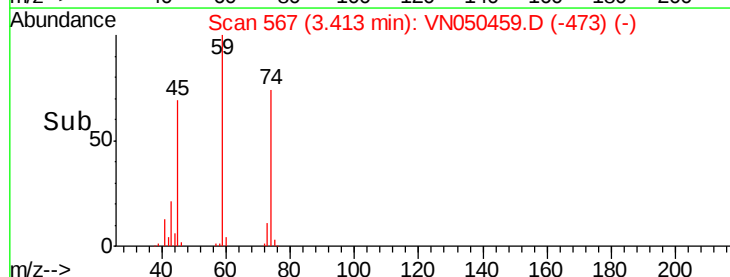
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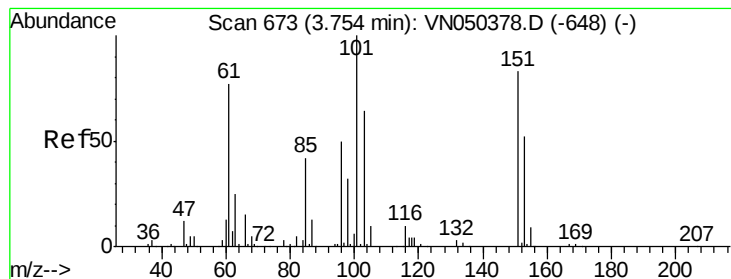
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.51 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

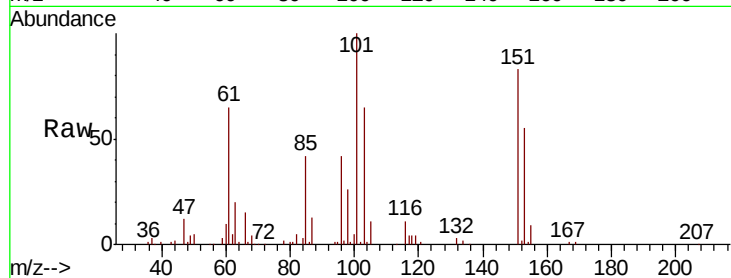
Tot Ion:101 Resp: 175463

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

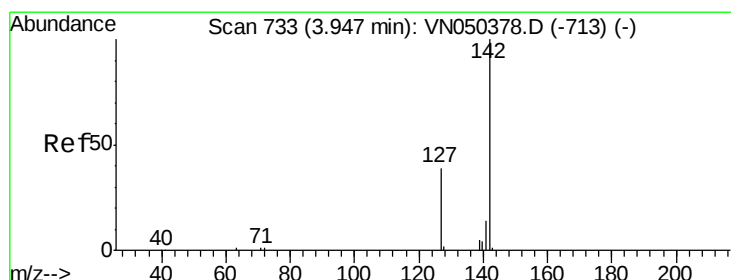
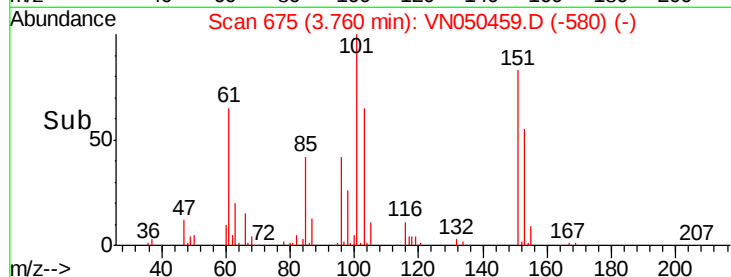
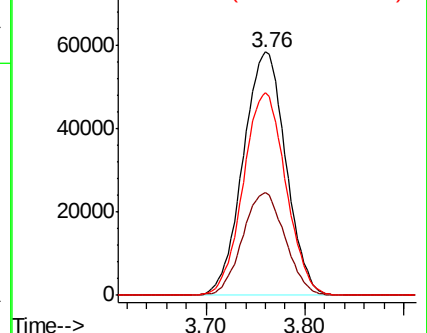
151 83.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.08 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

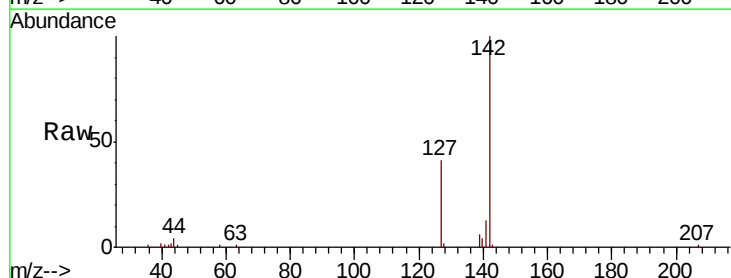
Tgt Ion:142 Resp: 87493

Ion Ratio Lower Upper

142 100

127 38.5 33.4 50.2

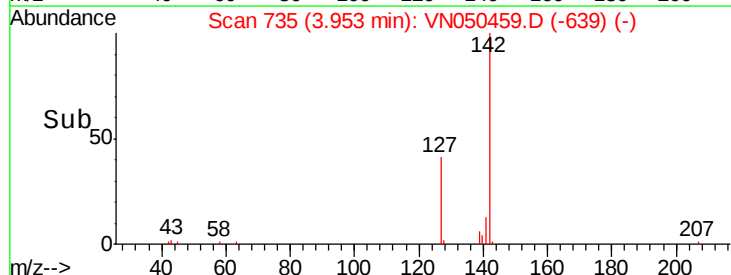
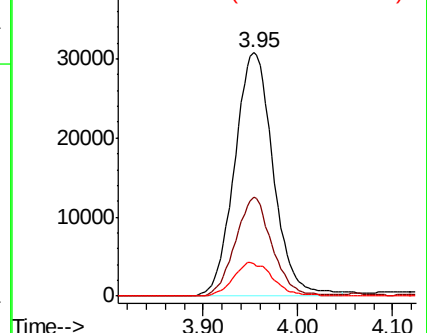
141 13.9 11.6 17.4

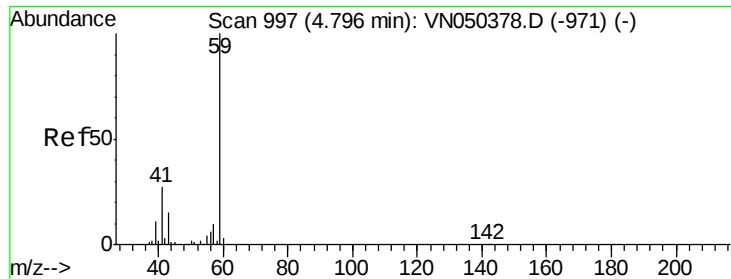


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



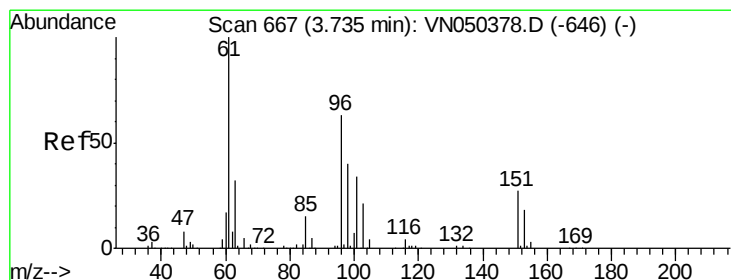
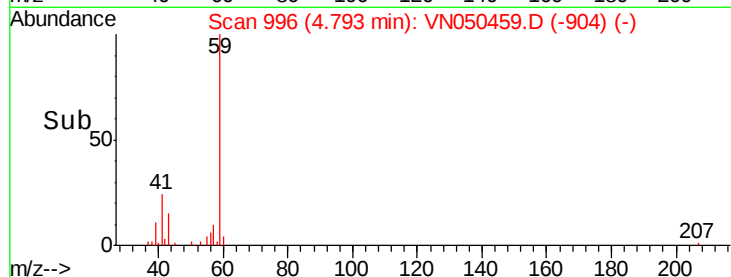
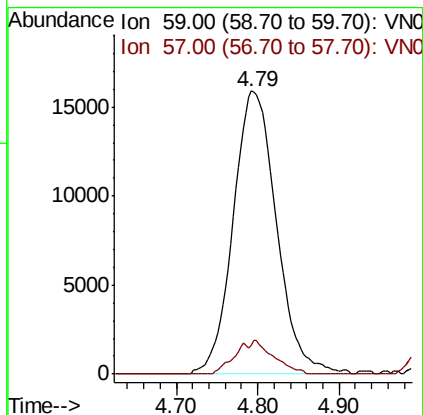
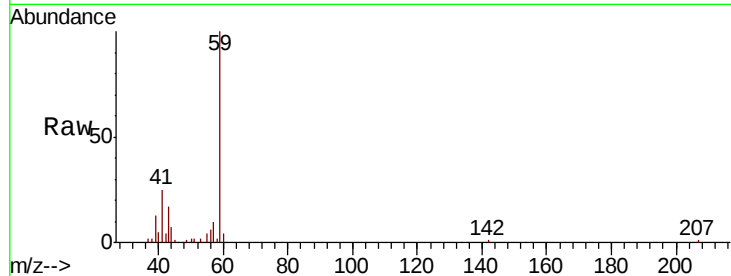


#11

Tert butyl alcohol
 Concen: 69.56 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

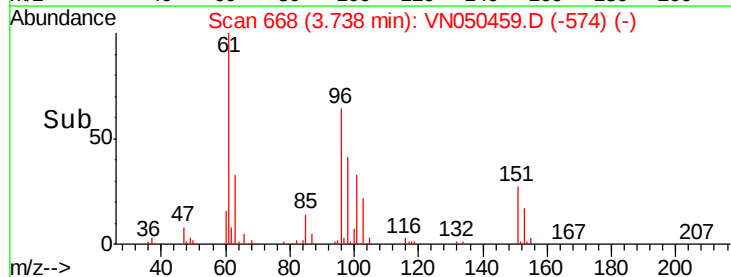
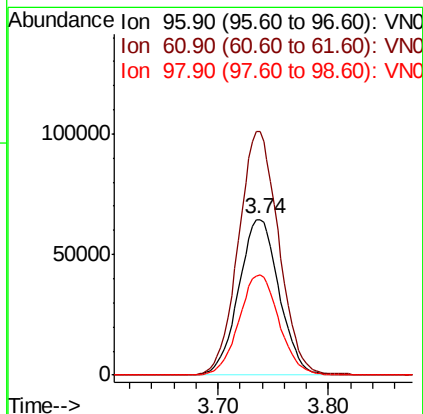
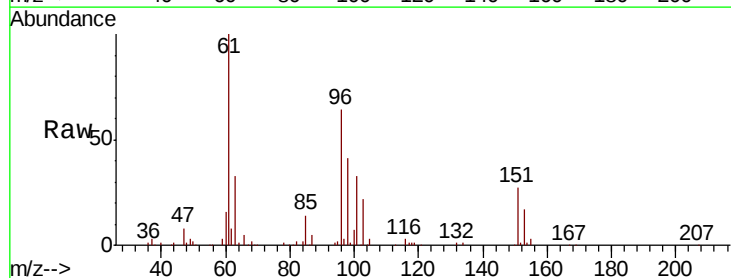
Tot Ion: 59 Resp: 58551
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

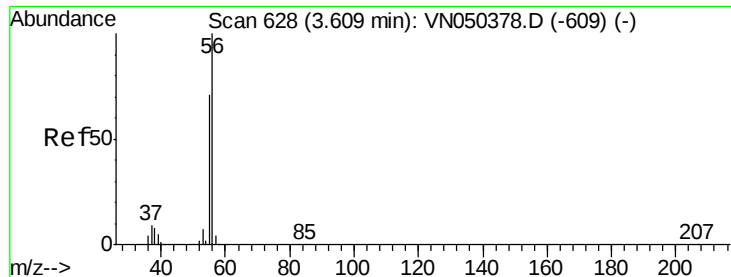


#12

1,1-Dichloroethene
 Concen: 19.34 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 96 Resp: 164014
 Ion Ratio Lower Upper
 96 100
 61 156.2 124.4 186.6
 98 64.1 48.3 72.5





#13

Acrolein

Concen: 69.21 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

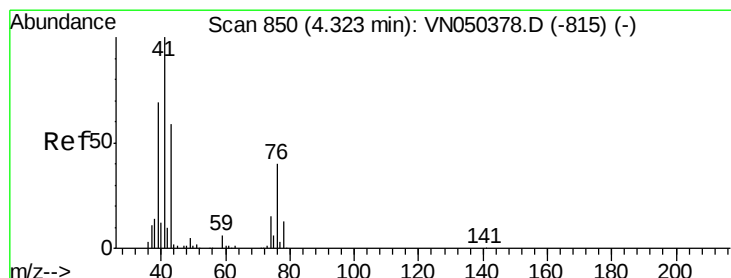
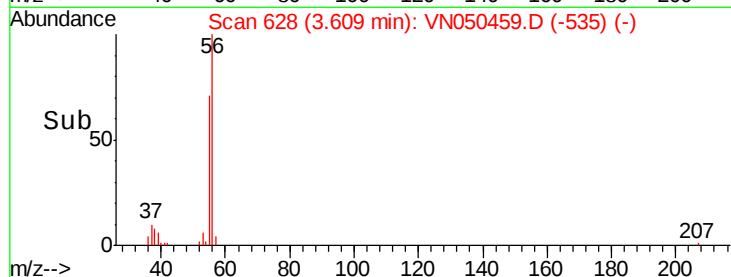
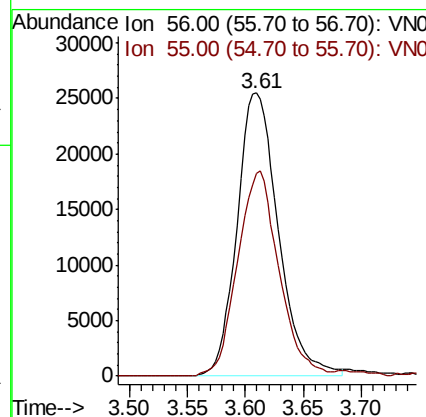
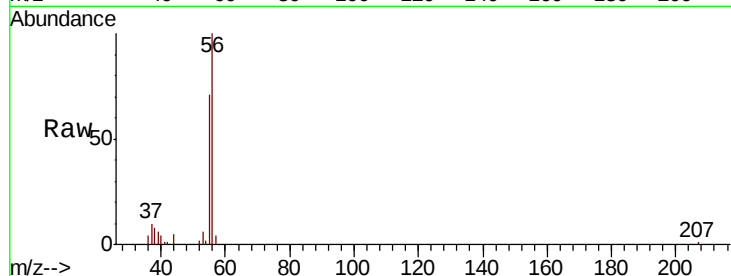
VN0808WBSD01

Tot Ion: 56 Resp: 63136

Ion Ratio Lower Upper

56 100

55 72.4 55.8 83.6



#14

Allyl chloride

Concen: 18.27 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

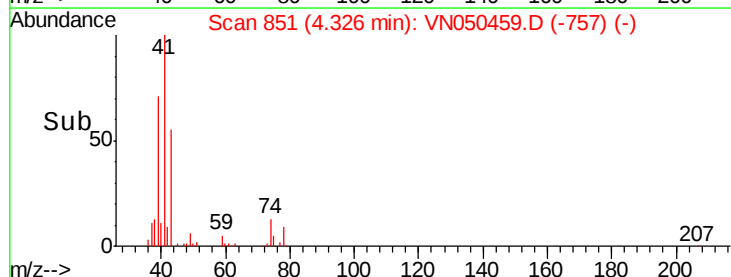
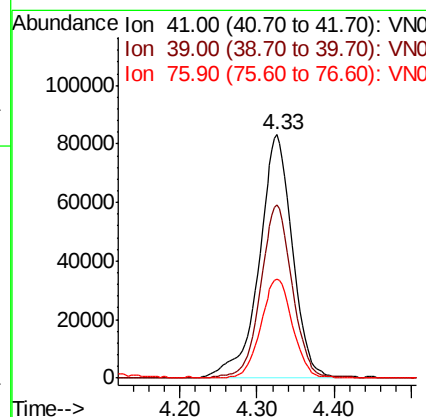
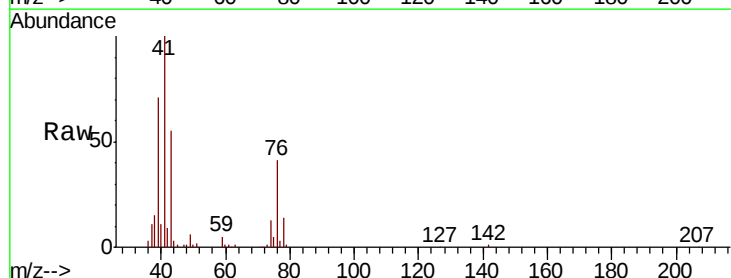
Tgt Ion: 41 Resp: 248800

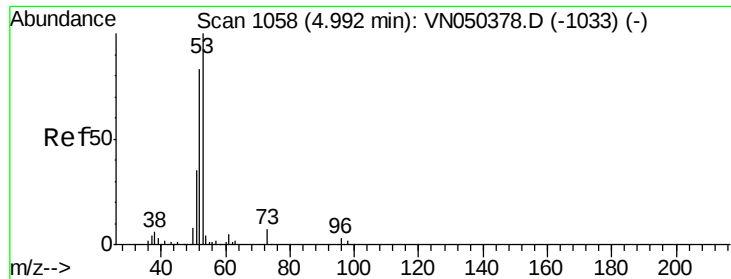
Ion Ratio Lower Upper

41 100

39 67.4 54.2 81.4

76 38.2 29.0 43.6





#15

Acrylonitrile

Concen: 79.74 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

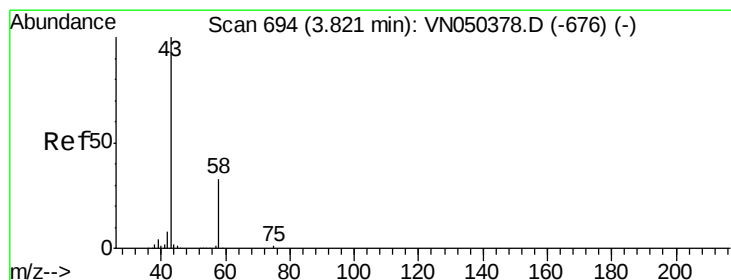
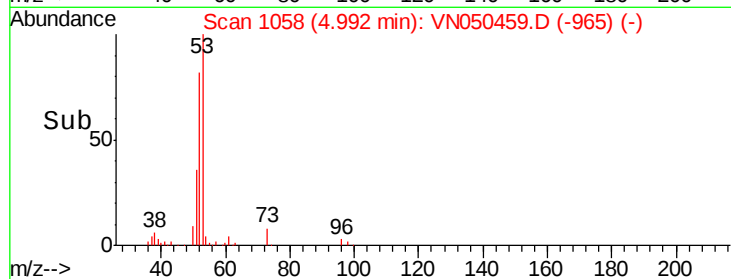
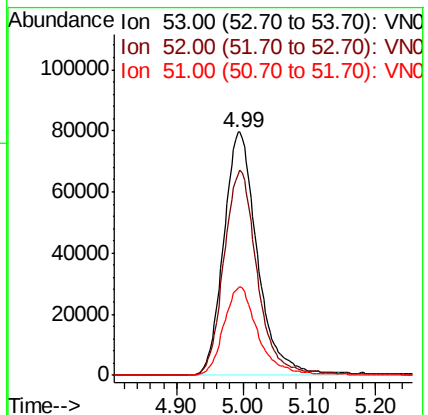
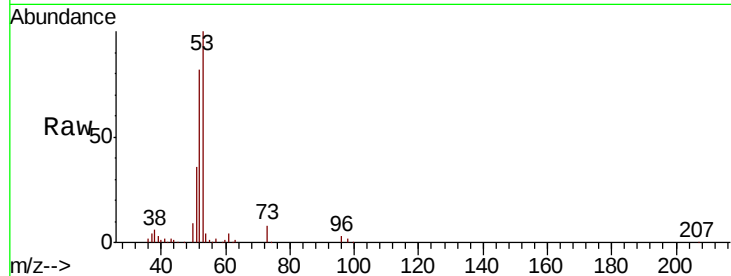
Tot Ion: 53 Resp: 281154

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 36.9 29.3 43.9



#16

Acetone

Concen: 80.84 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050459.D

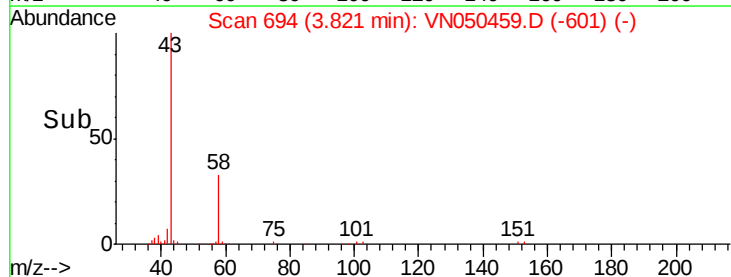
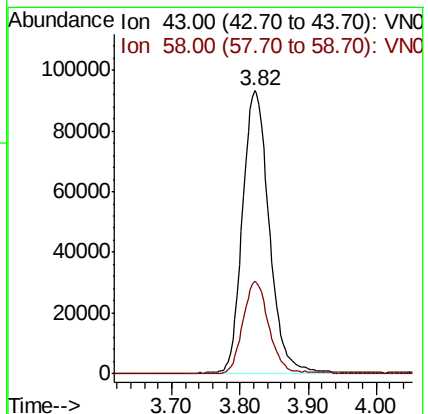
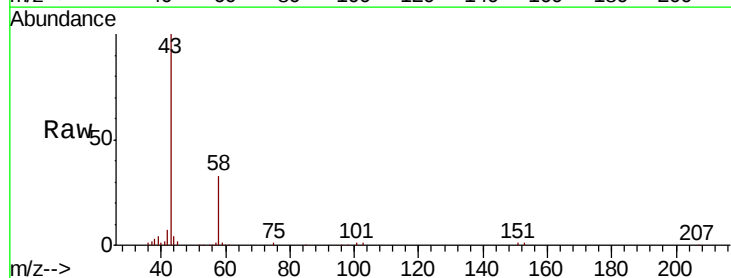
Acq: 8 Aug 2018 15:14

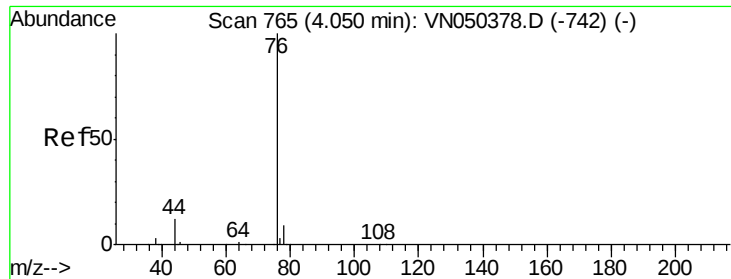
Tgt Ion: 43 Resp: 253387

Ion Ratio Lower Upper

43 100

58 32.6 25.8 38.8

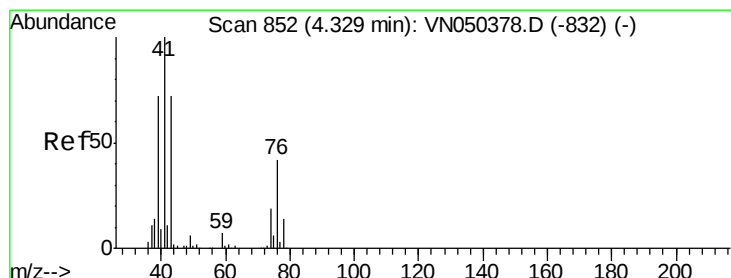
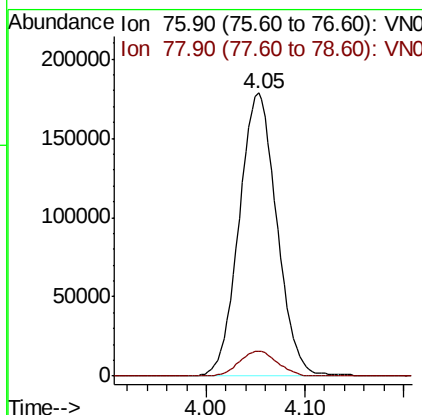
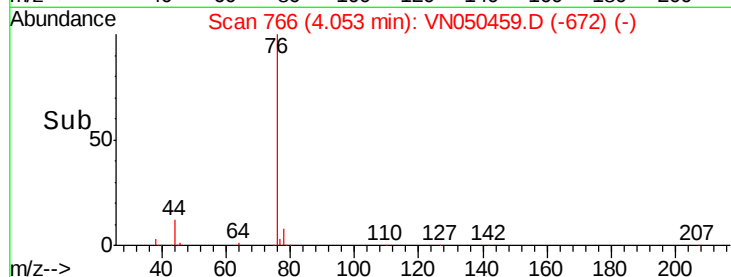
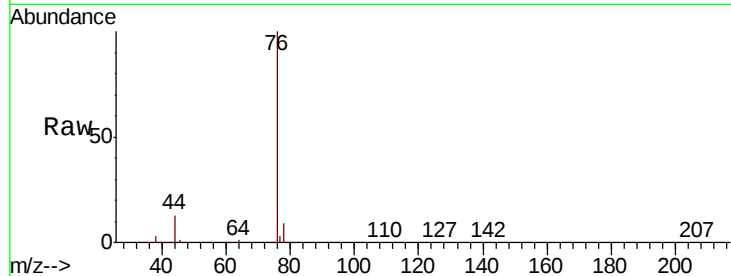




#17
Carbon Disulfide
Concen: 17.13 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

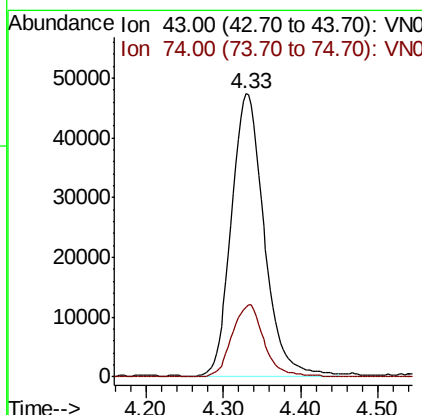
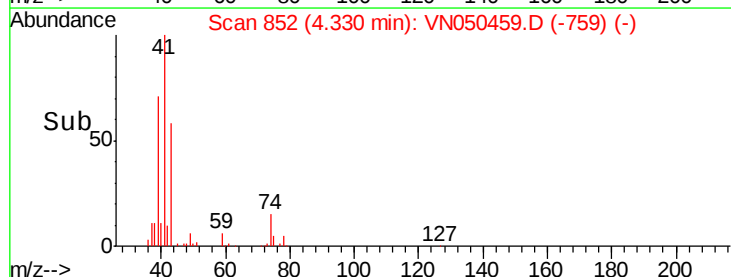
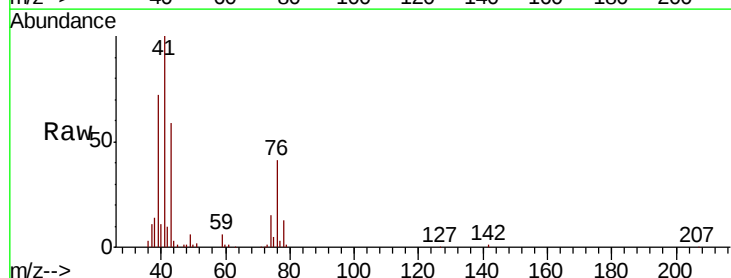
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

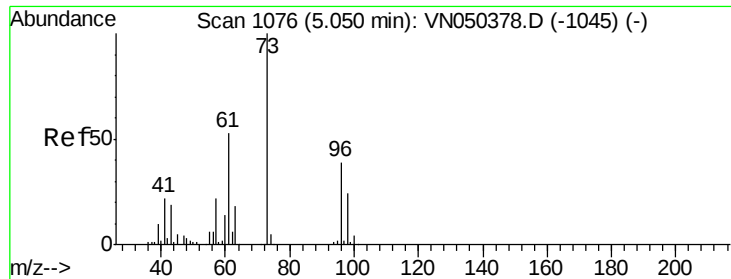
Tot Ion: 76 Resp: 472255
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 17.13 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 140154
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8

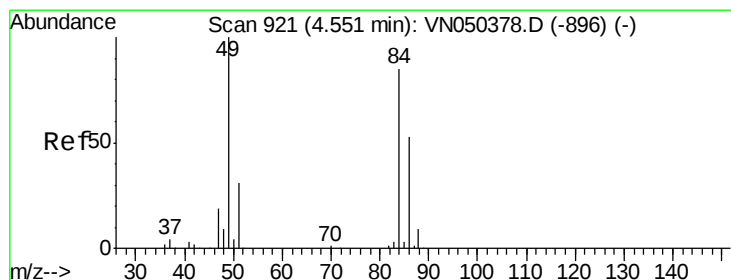
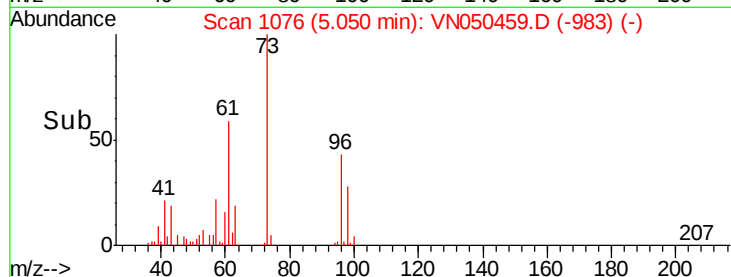
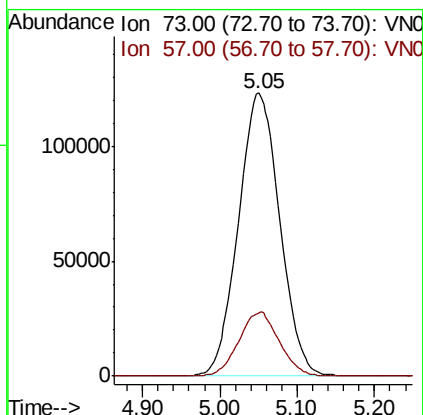
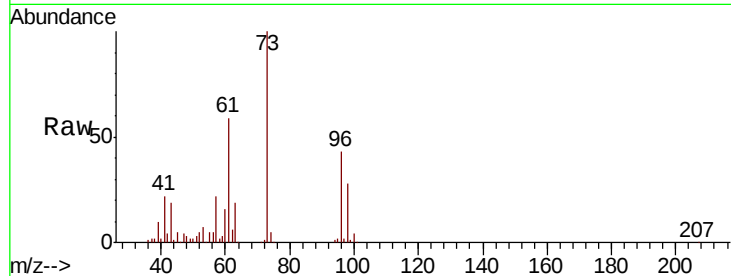




#19
Methvl tert-butvl Ether
Concen: 19.01 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

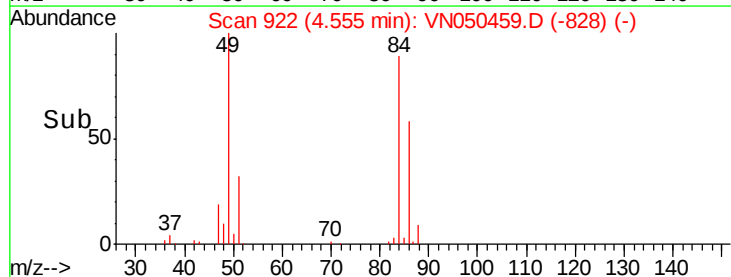
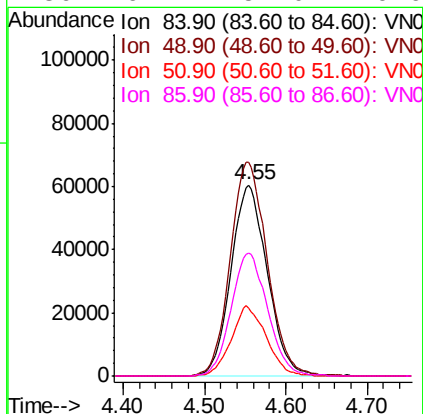
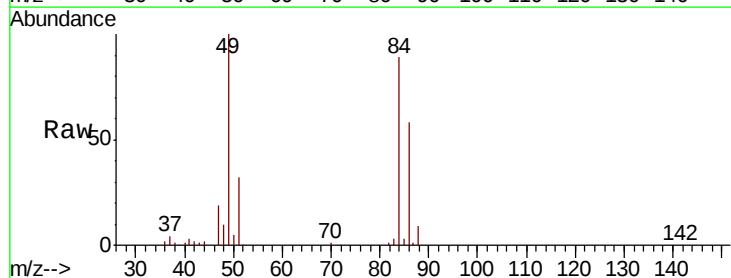
Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

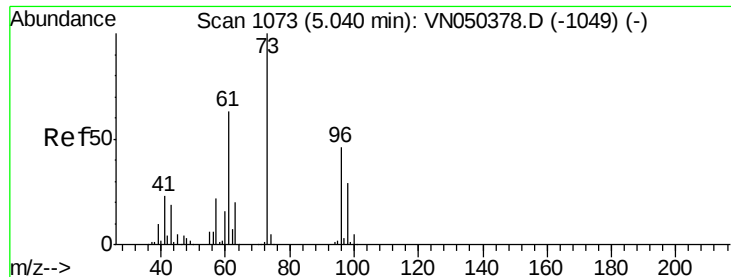
Tot Ion: 73 Resp: 457399
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



#20
Methylene Chloride
Concen: 18.66 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 84 Resp: 187597
Ion Ratio Lower Upper
84 100
49 111.9 94.8 142.2
51 35.6 28.3 42.5
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.37 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

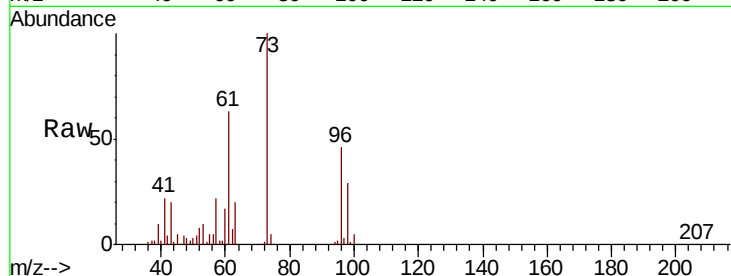
Tot Ion: 96 Resp: 177697

Ion Ratio Lower Upper

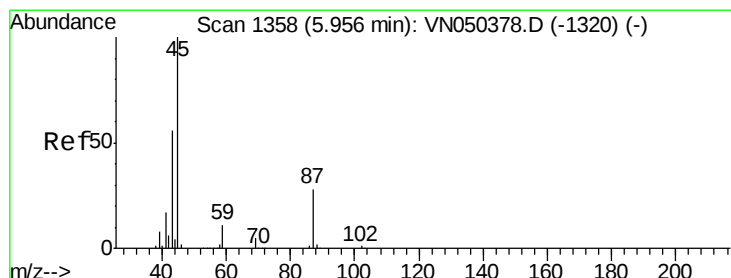
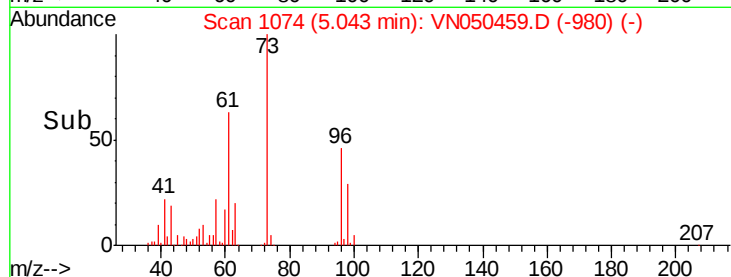
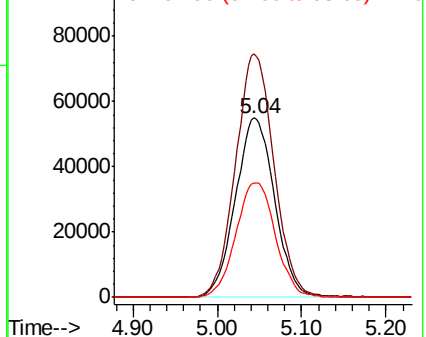
96 100

61 135.9 110.7 166.1

98 63.6 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: 19.68 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Tgt Ion: 45 Resp: 547461

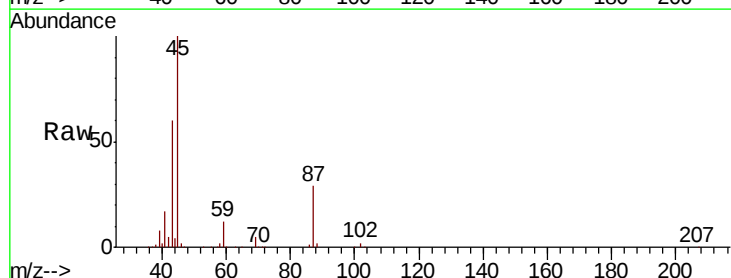
Ion Ratio Lower Upper

45 100

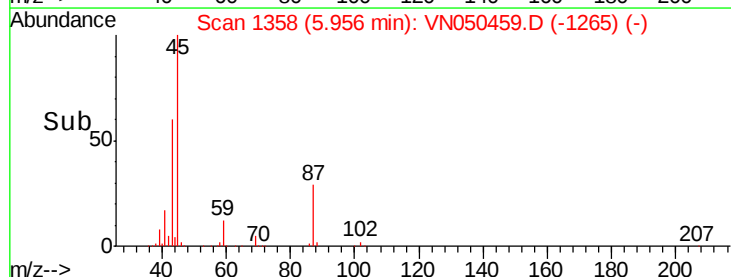
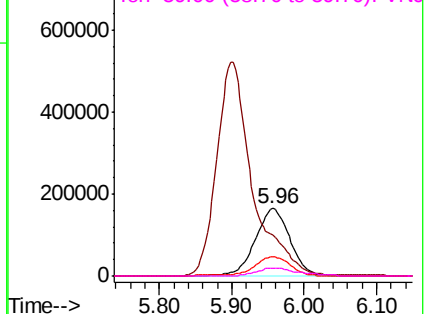
43 58.2 45.7 68.5

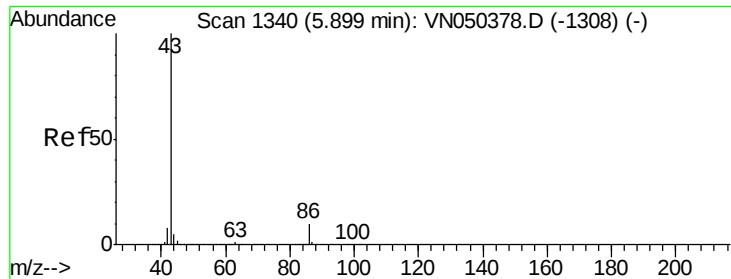
87 28.6 22.7 34.1

59 11.7 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: 90.29 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

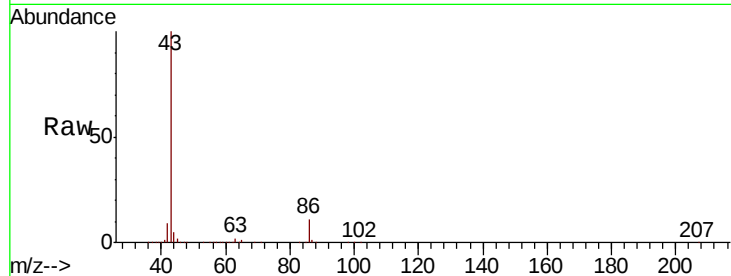
VN0808WBSD01

Tot Ion: 43 Resp: 1791925

Ion Ratio Lower Upper

43 100

86 11.3 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

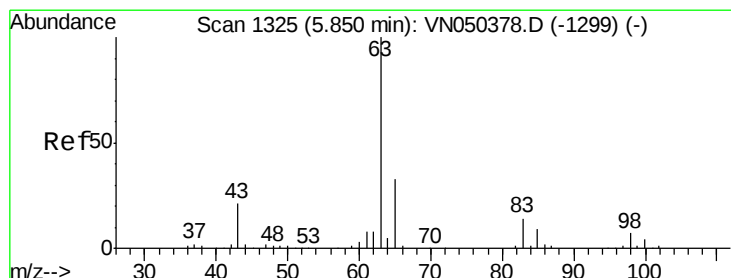
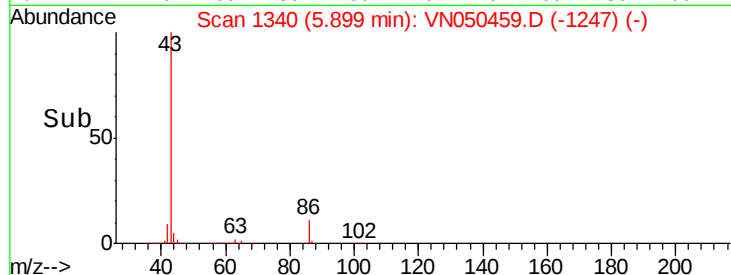
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.19 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

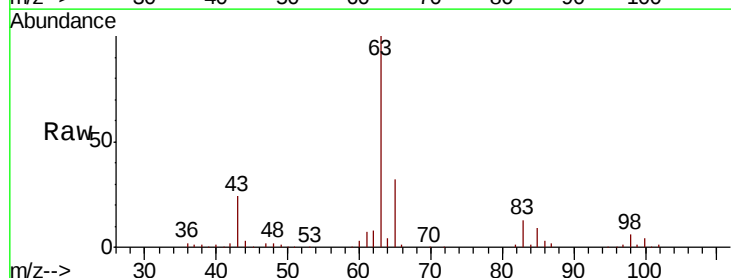
Tgt Ion: 63 Resp: 327514

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 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

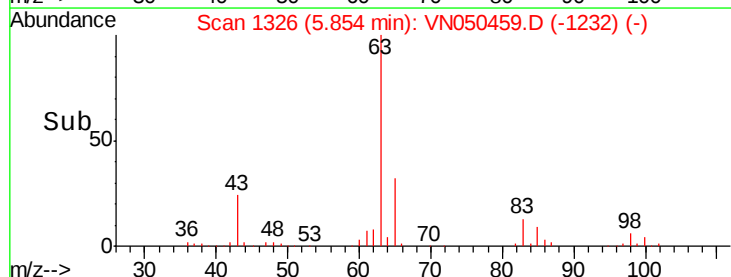
5.85

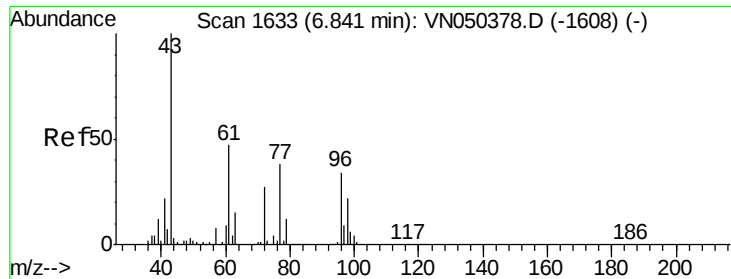
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

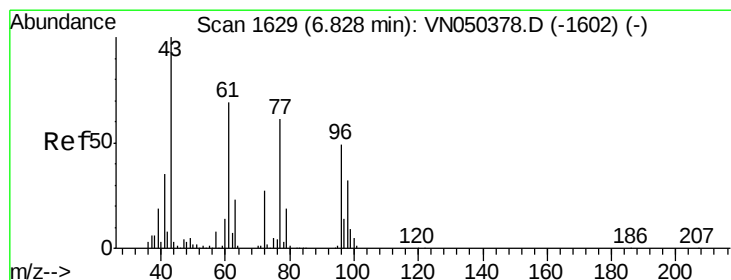
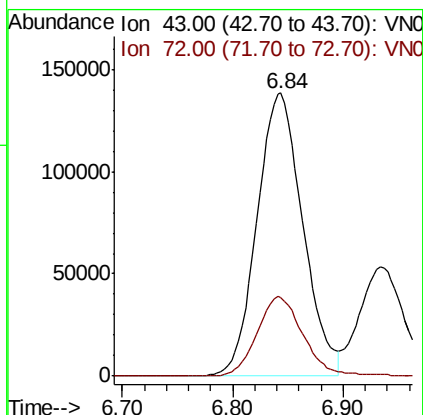
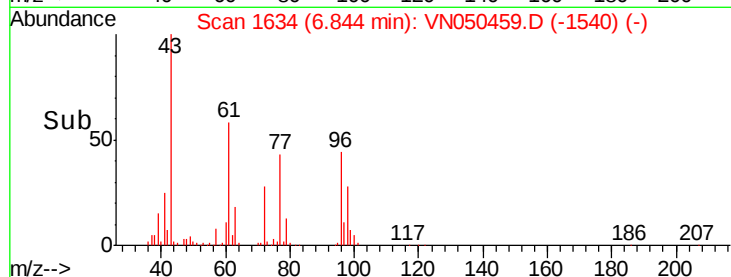
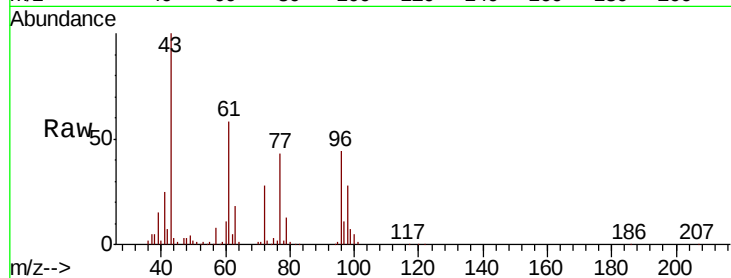




#25
2-Butanone
Concen: 76.52 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

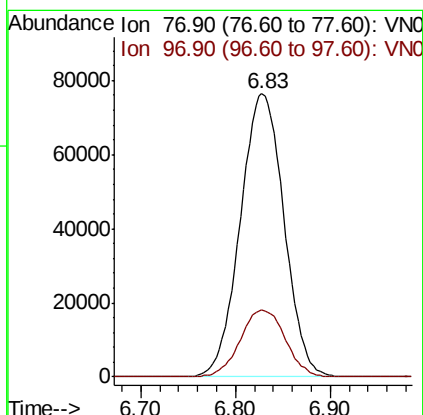
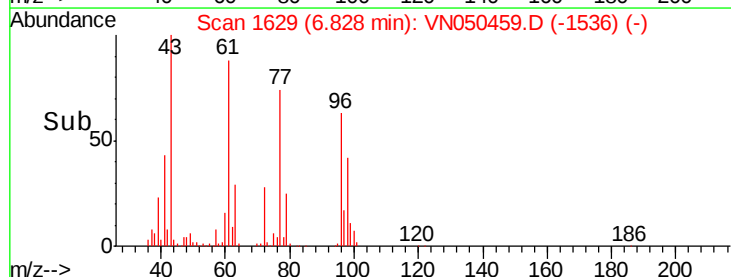
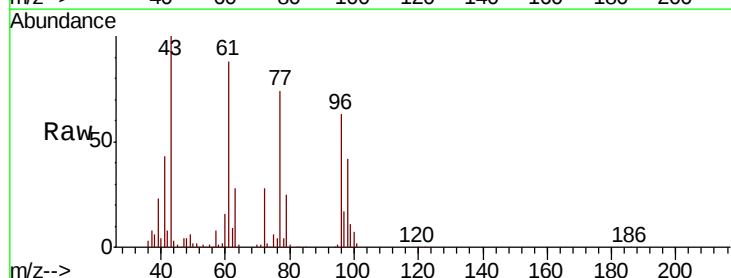
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

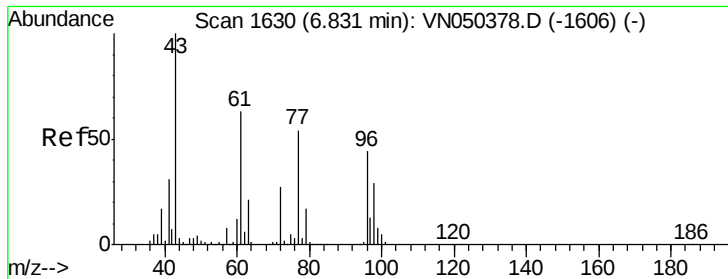
Tot Ion: 43 Resp: 397310
Ion Ratio Lower Upper
43 100
72 27.8 21.5 32.3



#26
2,2-Dichloropropane
Concen: 17.44 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 77 Resp: 245406
Ion Ratio Lower Upper
77 100
97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

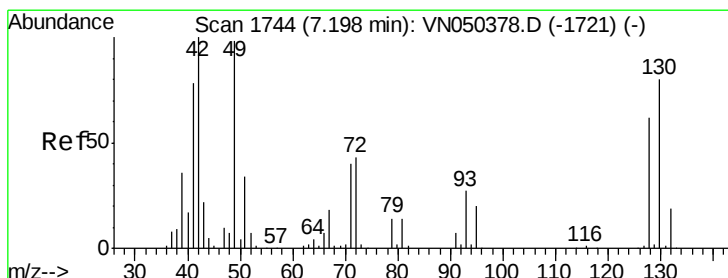
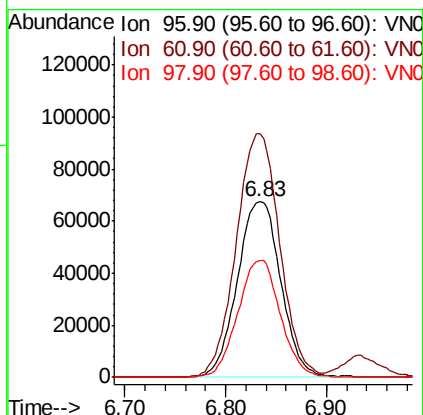
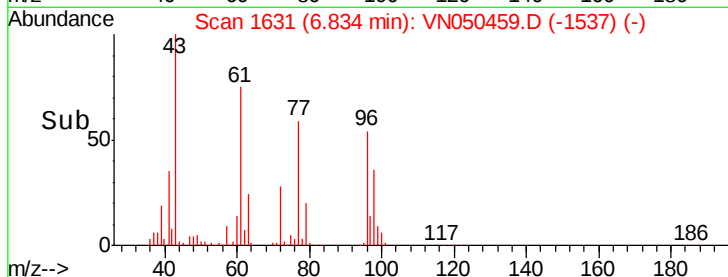
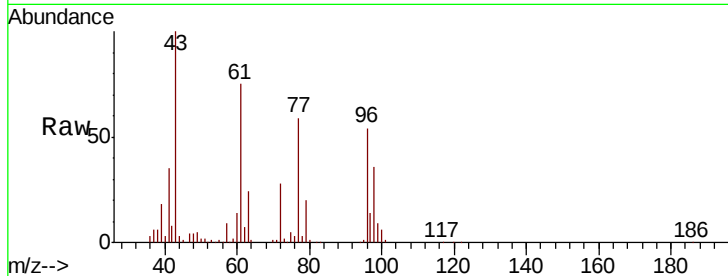
Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 96 Resp: 201928

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	285.0
98	65.1	0.0	129.2



#28

Bromochloromethane

Concen: 18.54 ug/l

RT: 7.20 min Scan# 1744

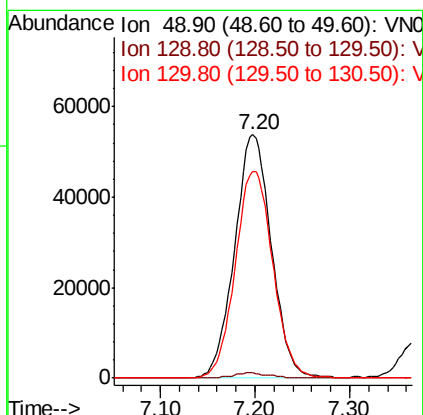
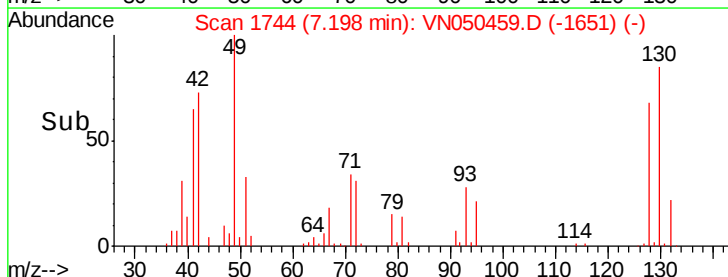
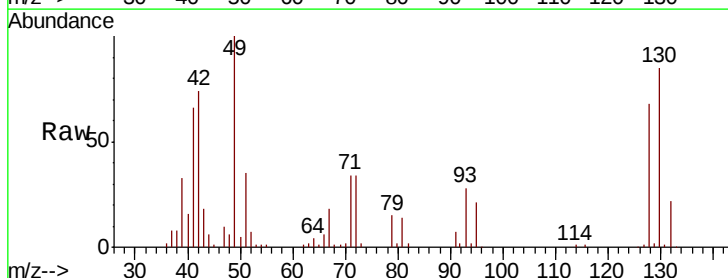
Delta R.T. 0.00 min

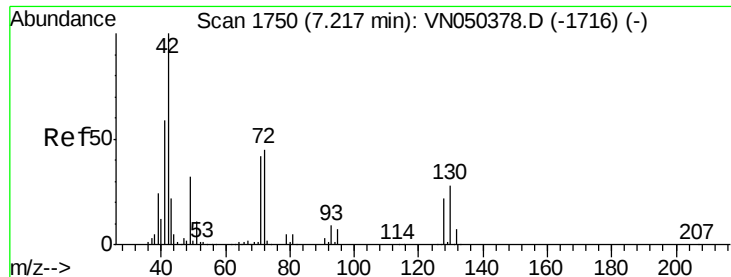
Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Tgt Ion: 49 Resp: 145690

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	86.8	66.3	99.5





#29

Tetrahydrofuran

Concen: 74.94 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

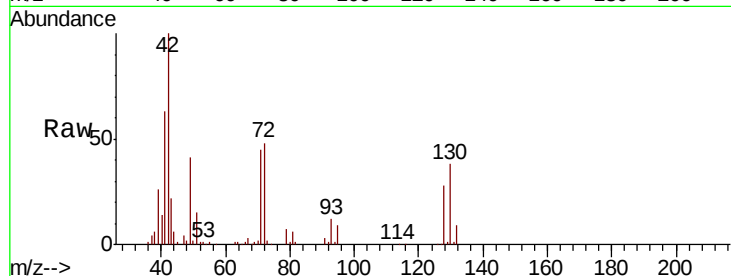
Tot Ion: 42 Resp: 208274

Ion Ratio Lower Upper

42 100

72 47.5 35.9 53.9

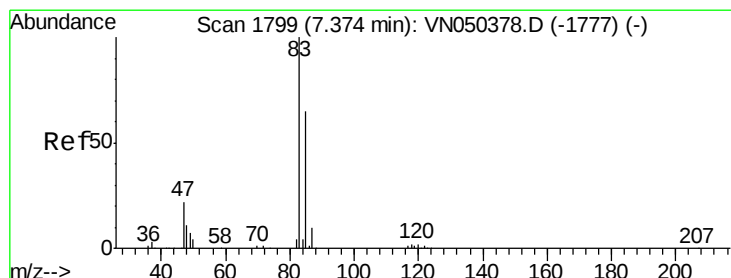
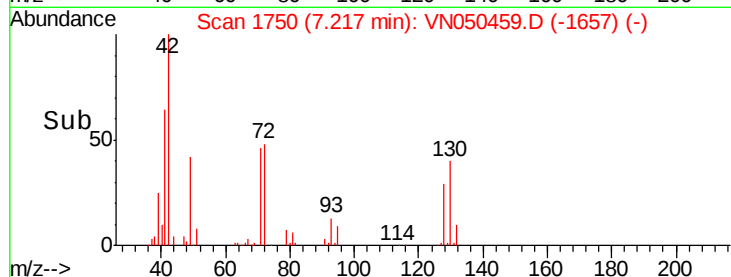
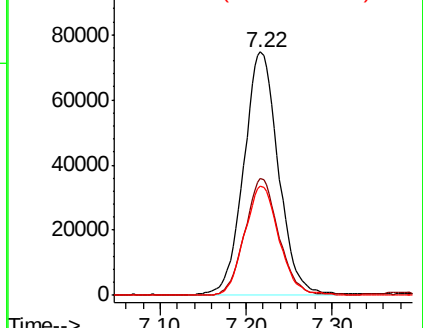
71 45.1 33.7 50.5



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: 19.55 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050459.D

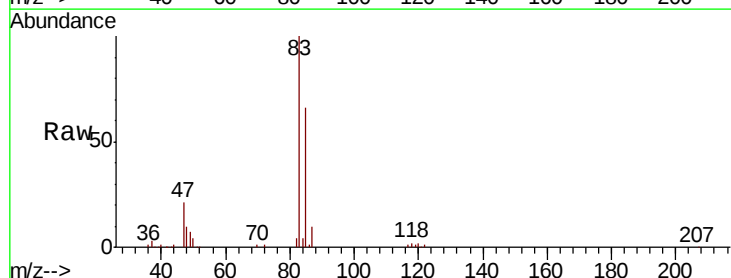
Acq: 8 Aug 2018 15:14

Tgt Ion: 83 Resp: 333571

Ion Ratio Lower Upper

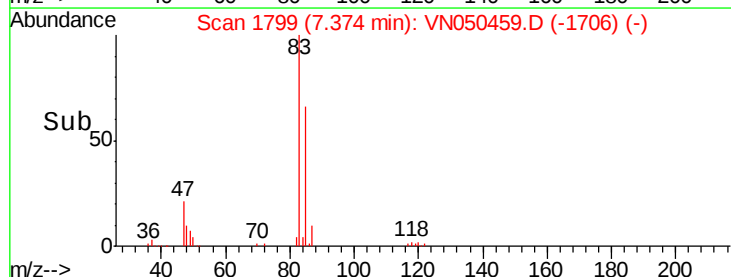
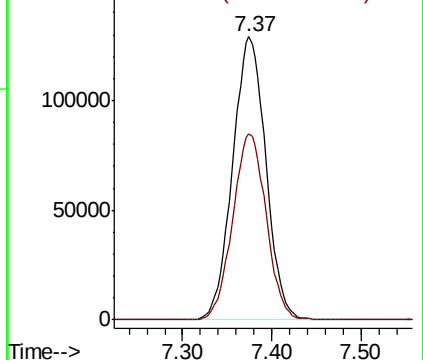
83 100

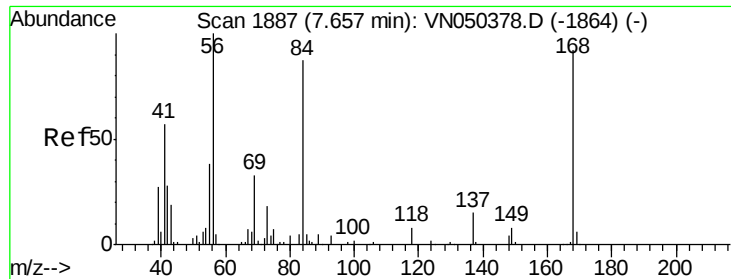
85 65.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

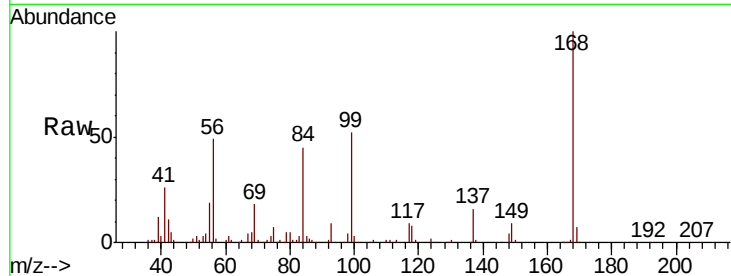




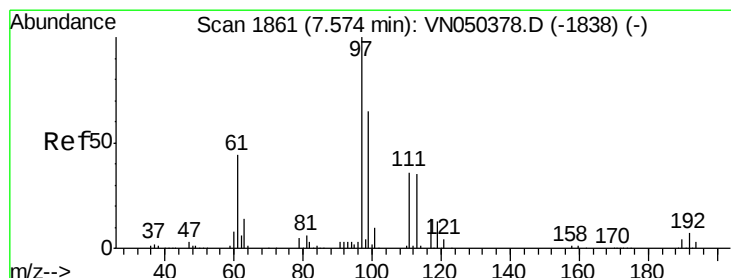
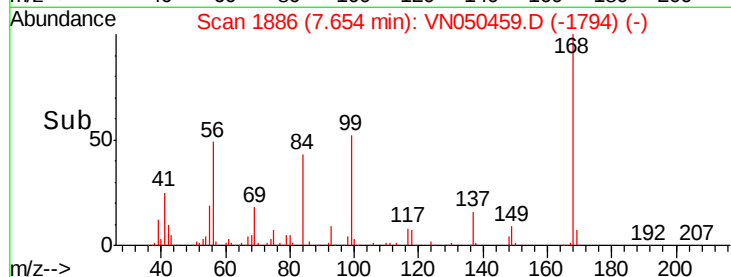
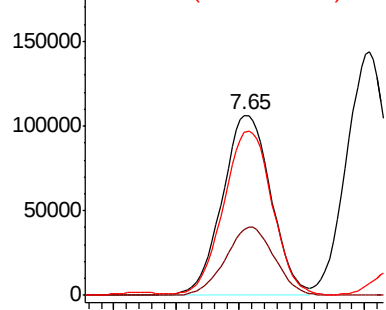
#31
Cyclohexane
Concen: 18.75 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 56 Resp: 287537
Ion Ratio Lower Upper
56 100
69 36.7 26.2 39.4
84 89.2 67.4 101.0

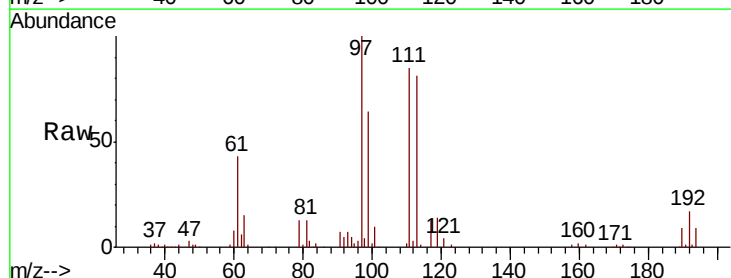


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

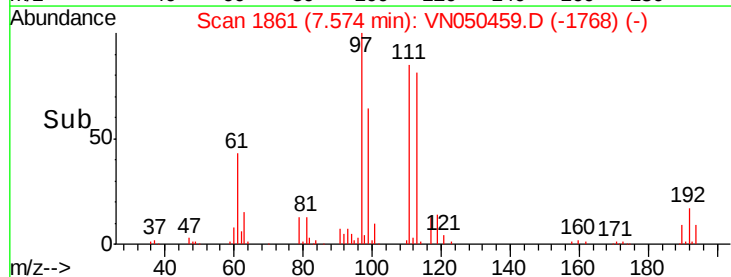
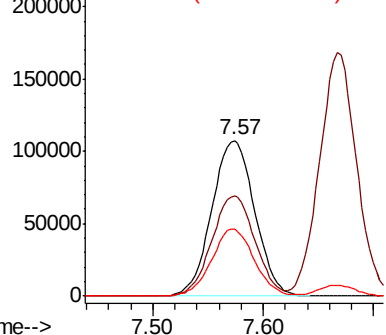


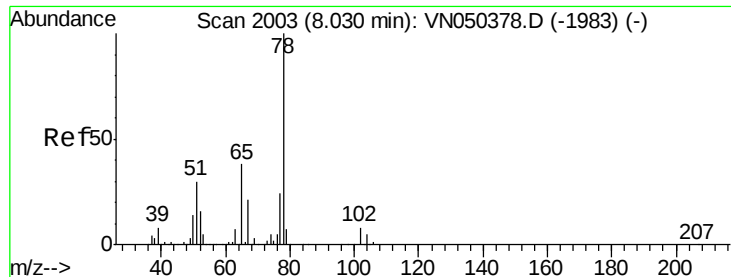
#32
1,1,1-Trichloroethane
Concen: 19.75 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 97 Resp: 289373
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 42.8 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: 45.46 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

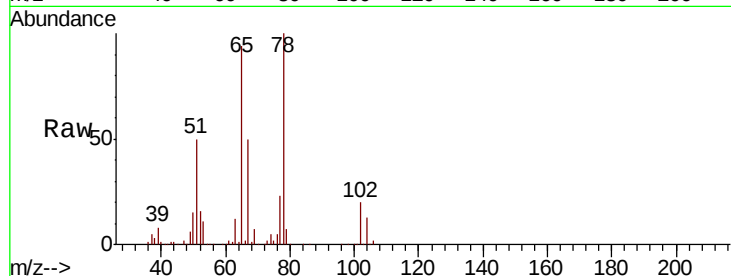
VN0808WBSD01

Tot Ion: 65 Resp: 476332

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

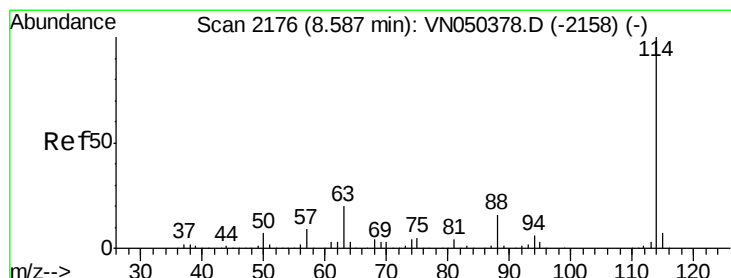
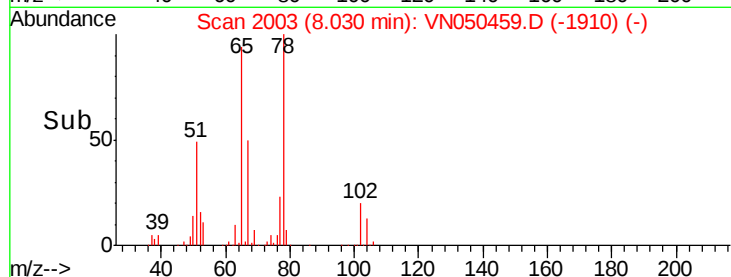
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Tgt Ion: 114 Resp: 1164503

Ion Ratio Lower Upper

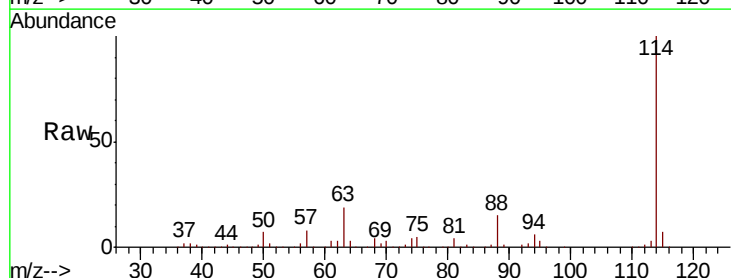
114 100

63 19.5

0.0 40.0

88 15.4

0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

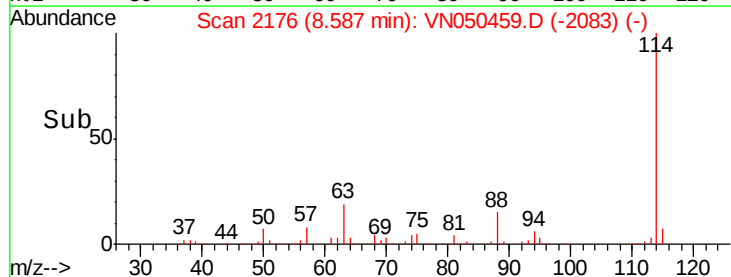
600000

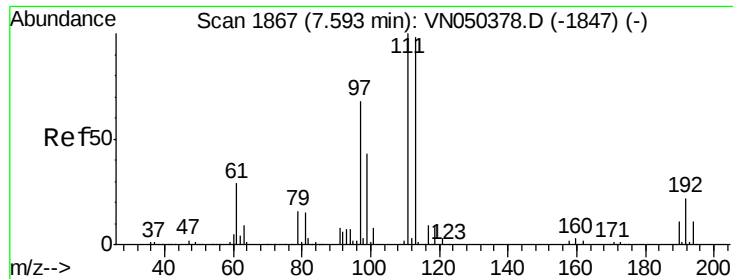
400000

200000

0

Time-->

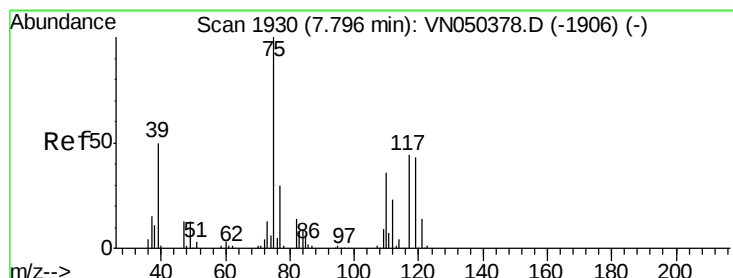
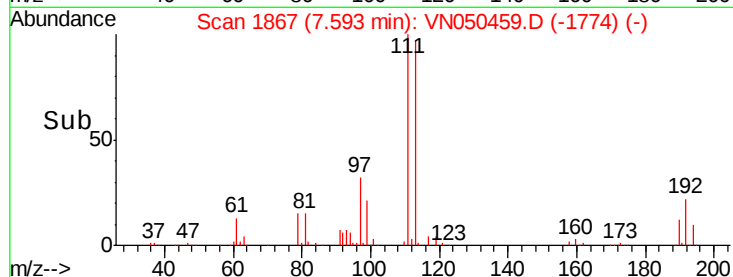
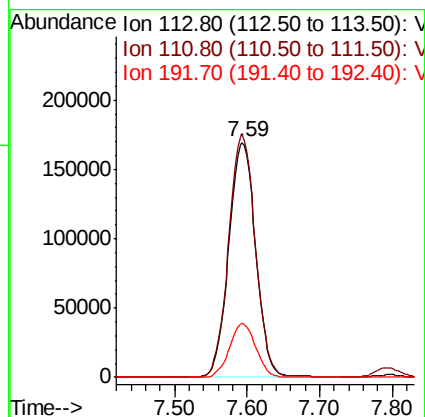
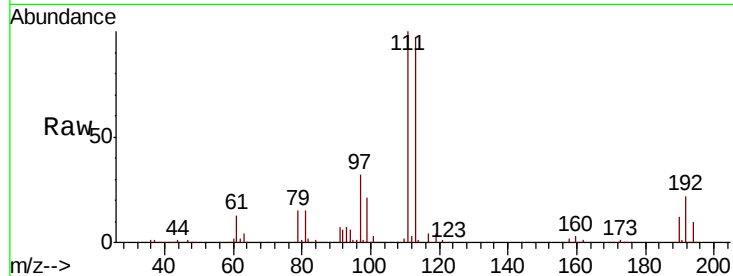




#35
 Dibromofluoromethane
 Concen: 46.78 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

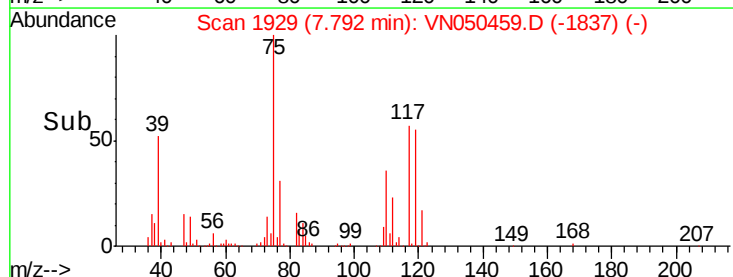
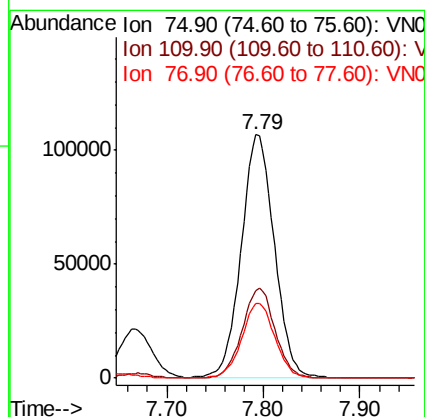
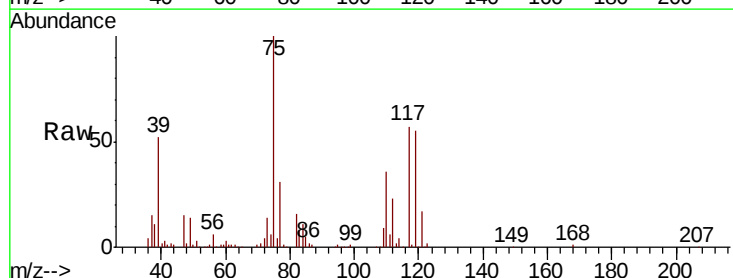
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

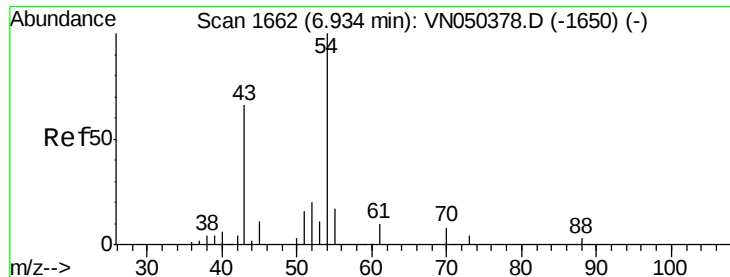
Tot Ion:113 Resp: 437061
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.79 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 75 Resp: 253225
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.2
 77 31.0 25.3 37.9

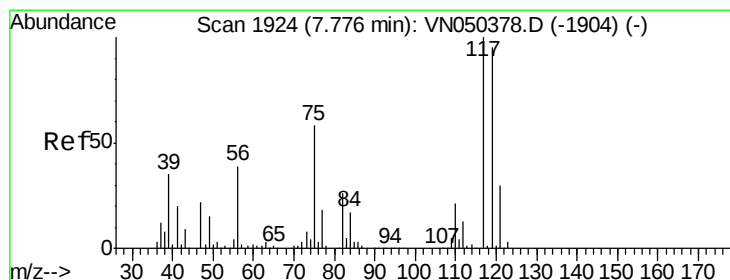
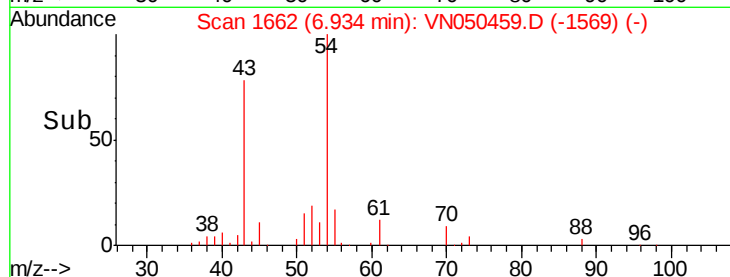
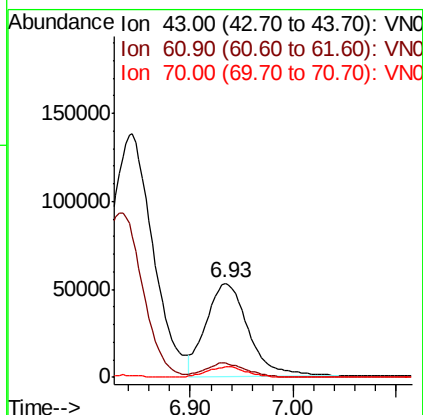
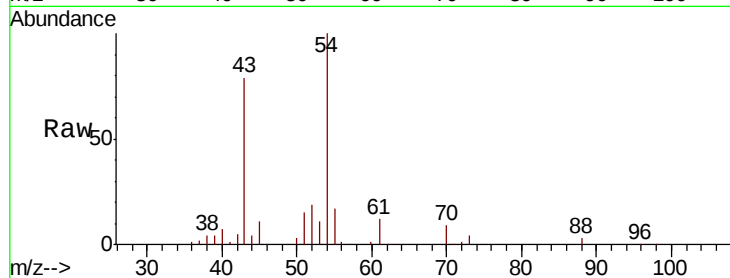




#37
Ethyl Acetate
Concen: 16.27 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

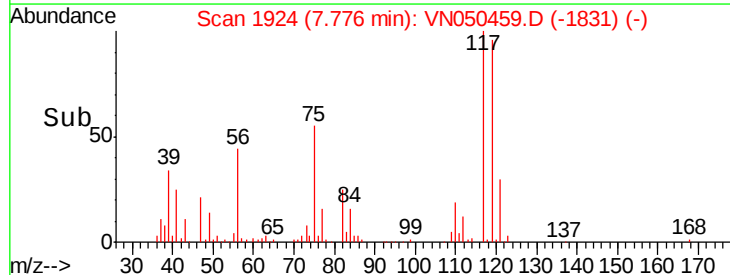
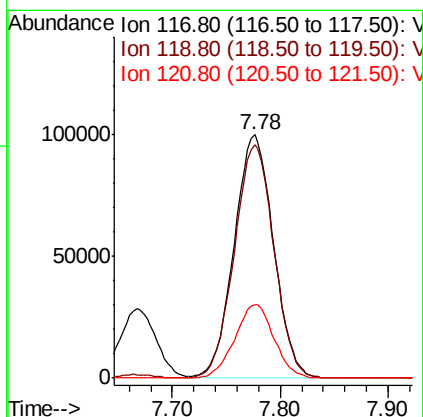
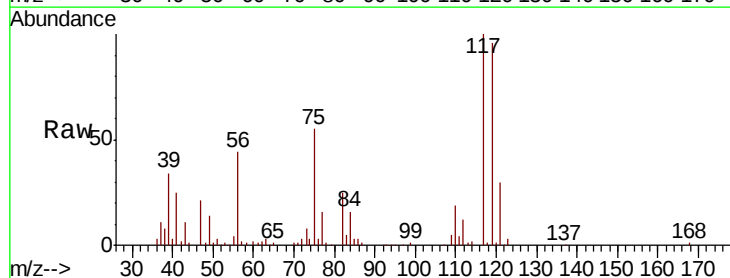
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

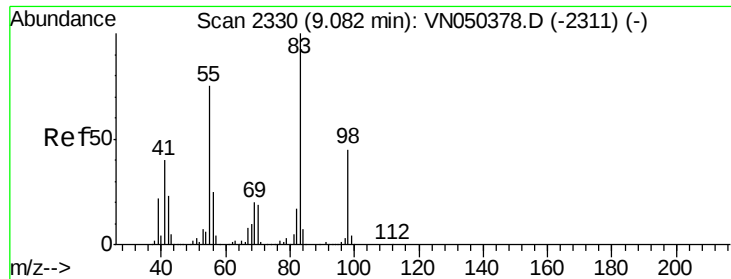
Tot Ion: 43 Resp: 149943
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.8
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.08 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 117 Resp: 254635
Ion Ratio Lower Upper
117 100
119 95.8 77.4 116.0
121 30.1 23.9 35.9

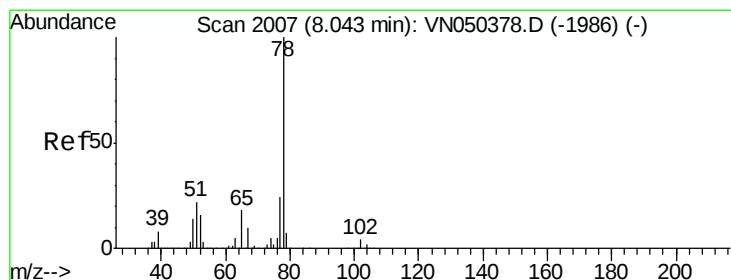
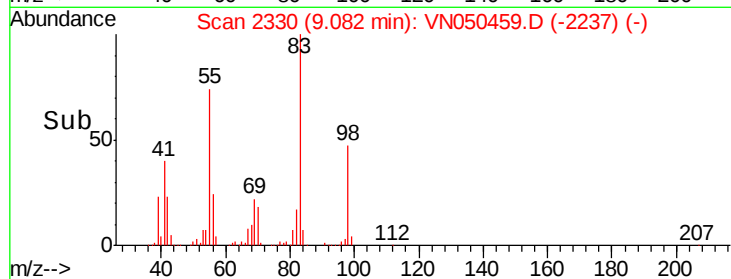
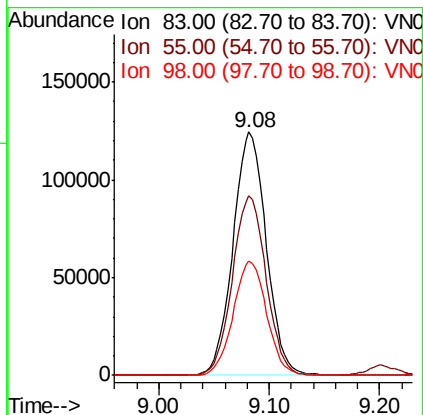
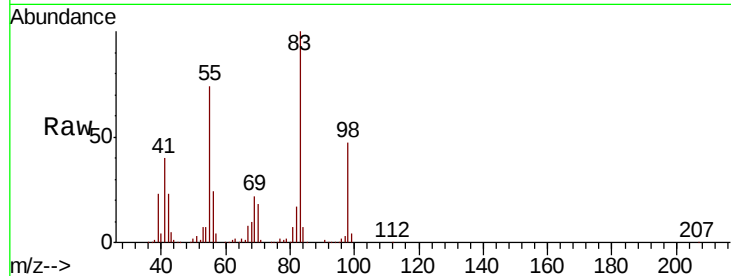




#39
Methvlcvclohexane
Concen: 18.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

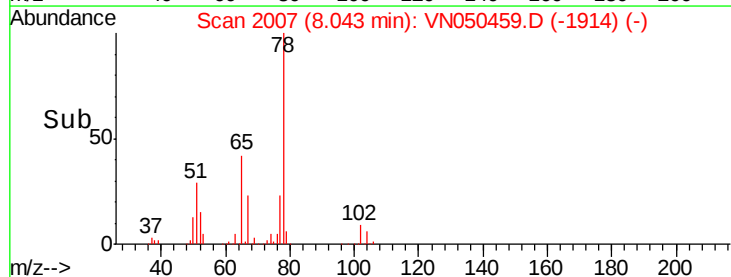
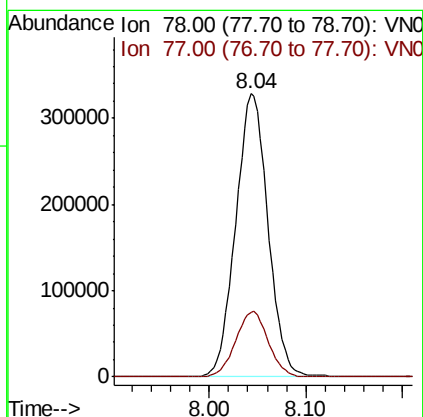
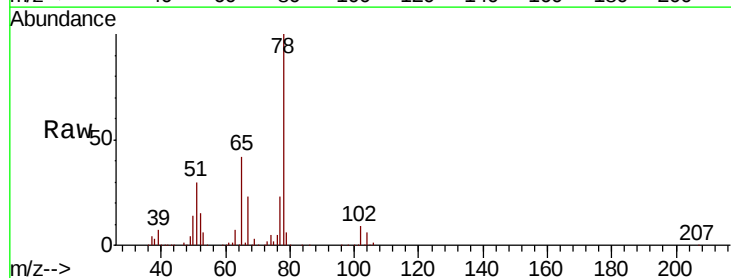
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

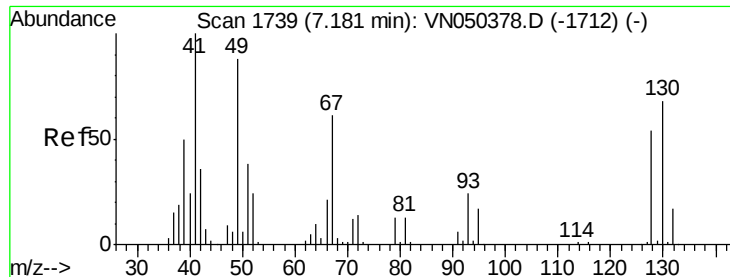
Tot Ion: 83 Resp: 260455
Ion Ratio Lower Upper
83 100
55 73.7 61.8 92.8
98 47.2 36.5 54.7



#40
Benzene
Concen: 19.39 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 78 Resp: 762684
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

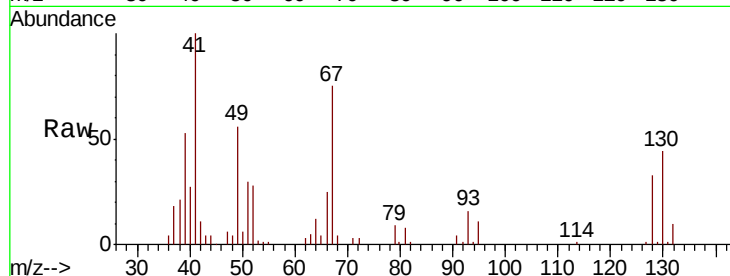




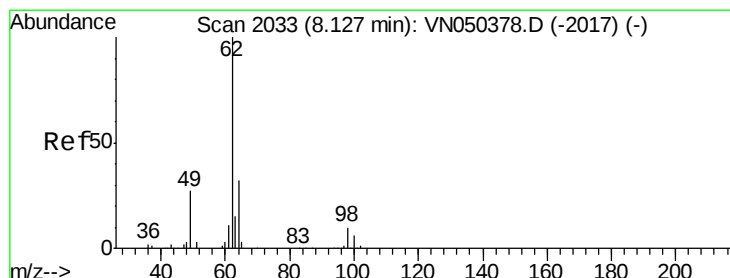
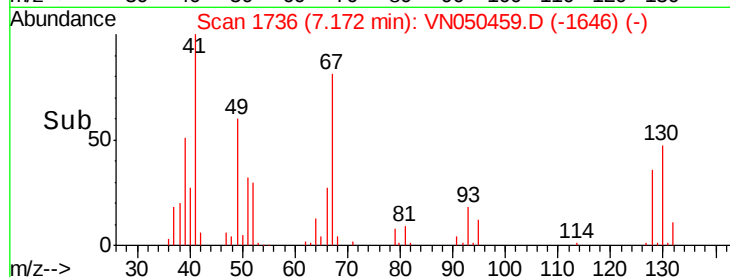
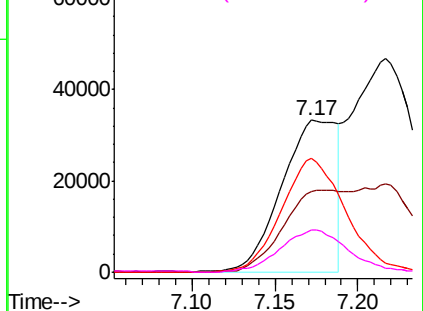
#41
Methacrylonitrile
Concen: 15.74 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tot Ion: 41 Resp: 77103
Ion Ratio Lower Upper
41 100
39 61.7 55.8 83.6
67 87.4 84.3 126.5
52 34.9 34.2 51.2

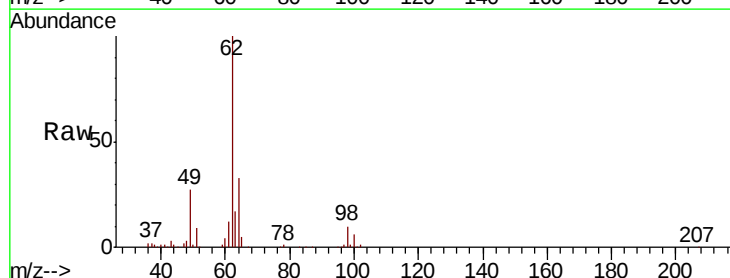


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

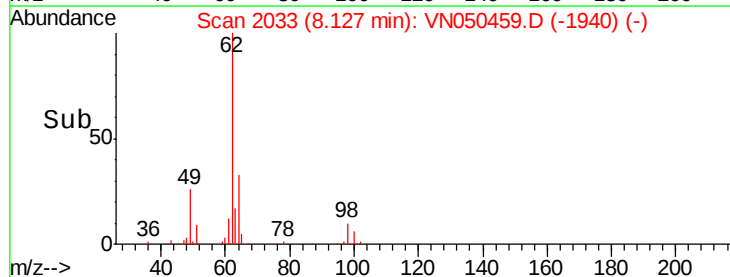
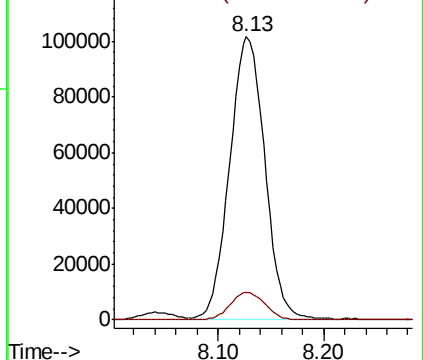


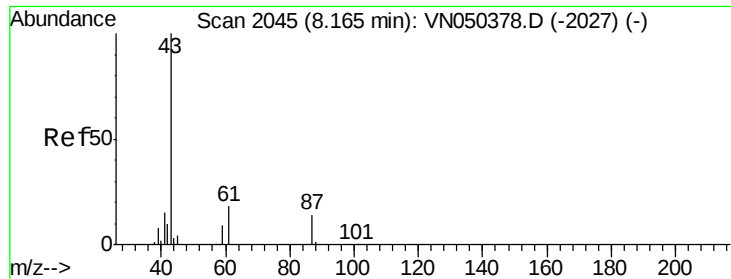
#42
1,2-Dichloroethane
Concen: 18.74 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 62 Resp: 233969
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8



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

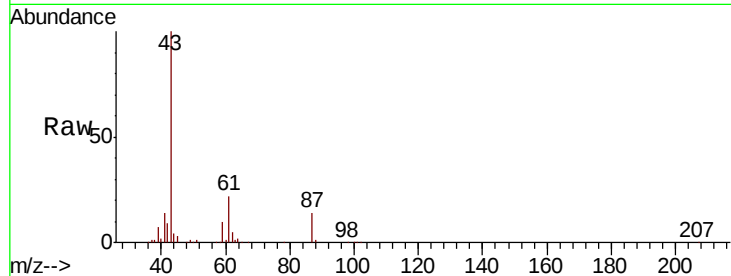




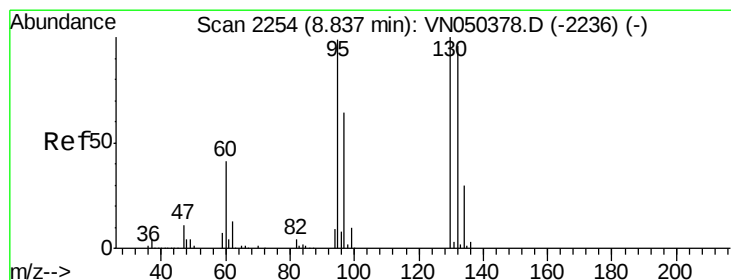
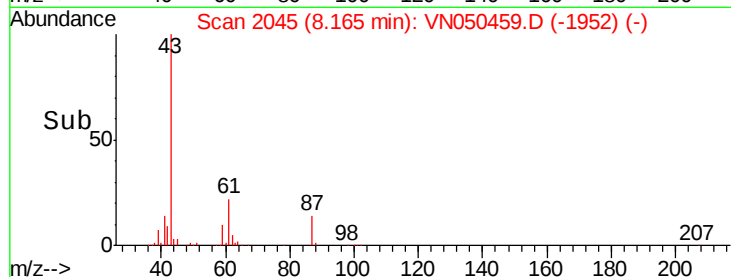
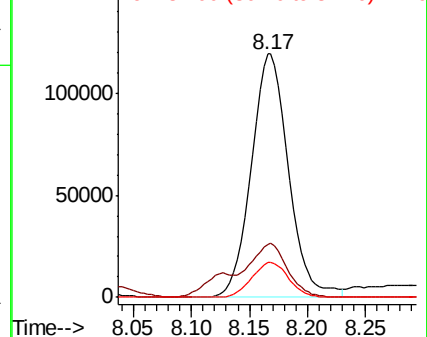
#43
Isopropyl Acetate
Concen: 16.72 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 43 Resp: 265940
Ion Ratio Lower Upper
43 100
61 21.6 15.8 23.6
87 14.3 10.3 15.5

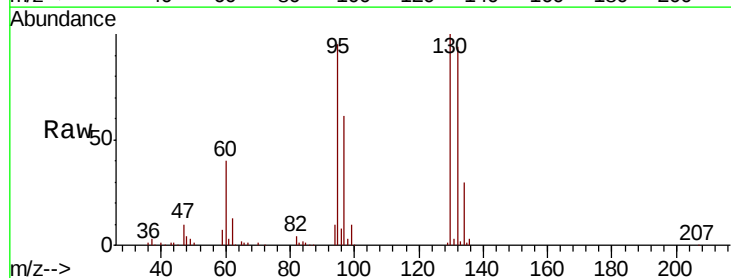


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

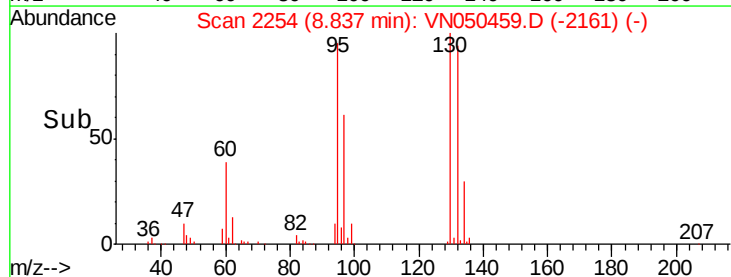
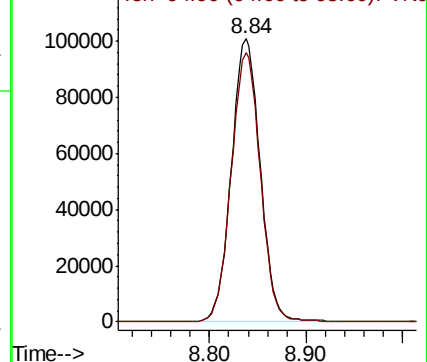


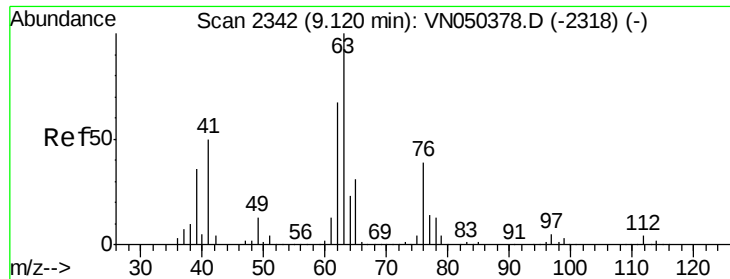
#44
Trichloroethene
Concen: 19.83 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:130 Resp: 209548
Ion Ratio Lower Upper
130 100
95 95.3 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

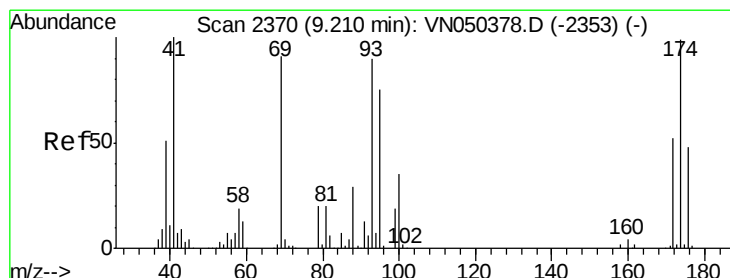
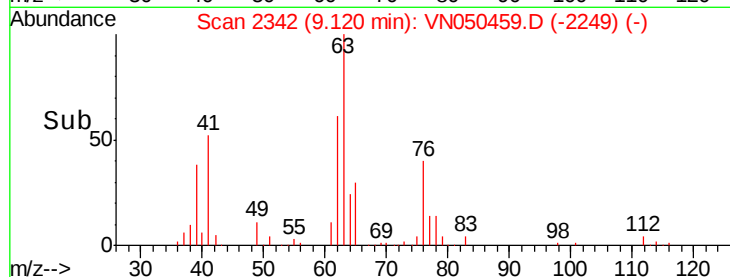
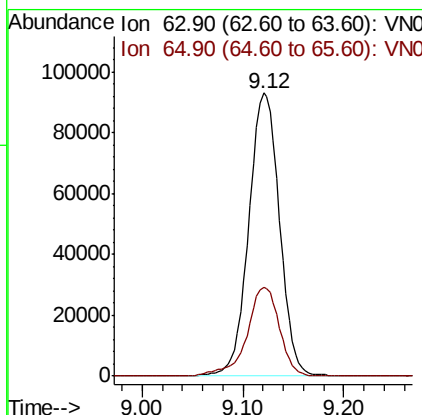
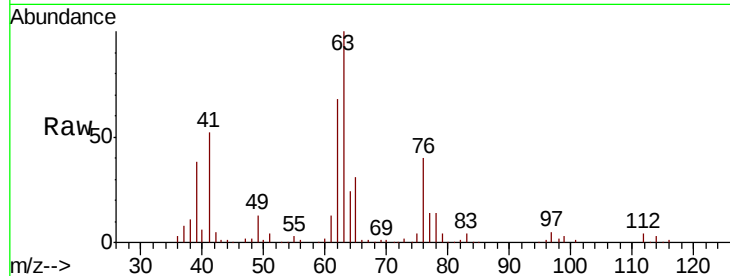




#45
 1,2-Dichloropropane
 Concen: 18.96 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

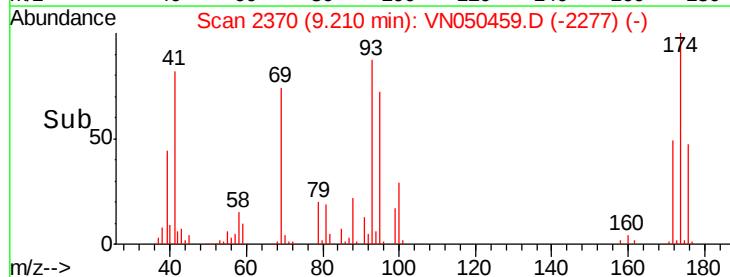
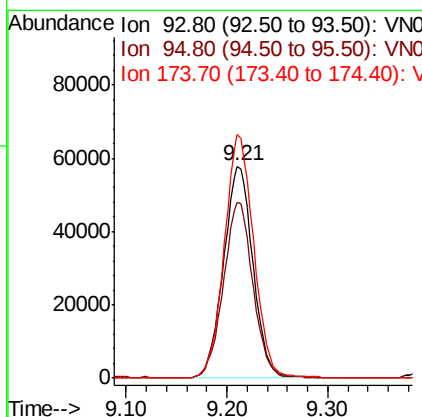
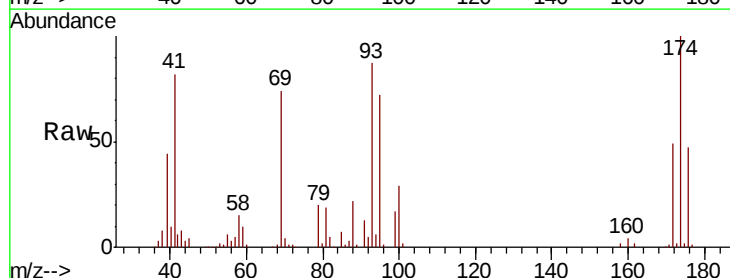
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBSD01

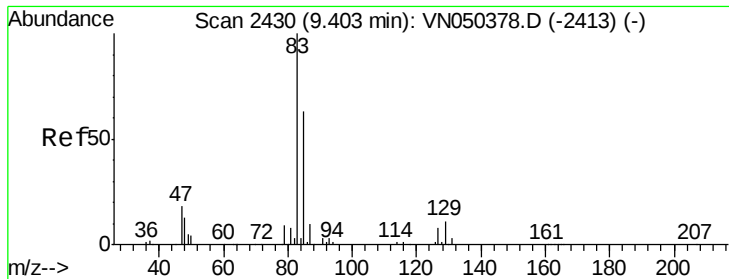
Tot Ion: 63 Resp: 196045
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.5 38.3



#46
 Dibromomethane
 Concen: 18.41 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 93 Resp: 117584
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 114.9 87.1 130.7

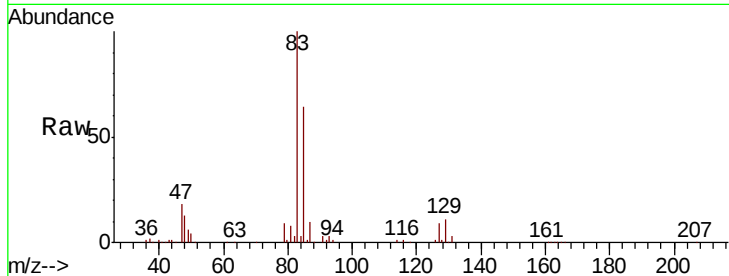




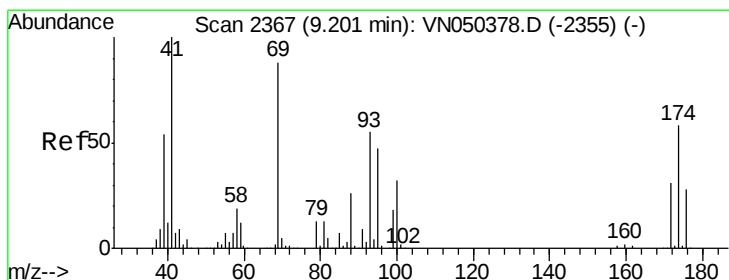
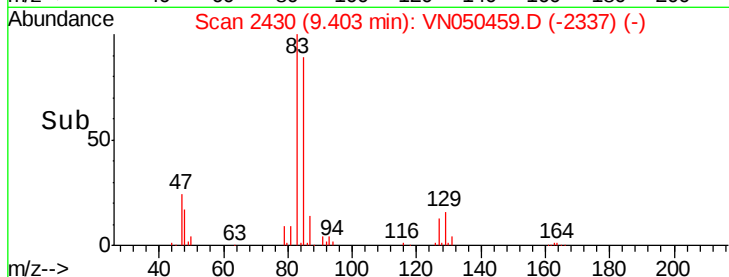
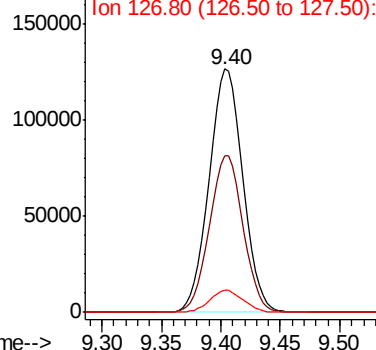
#47
Bromodichloromethane
Concen: 18.87 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 83 Resp: 249618
Ion Ratio Lower Upper
83 100
85 64.4 51.1 76.7
127 9.0 7.0 10.4

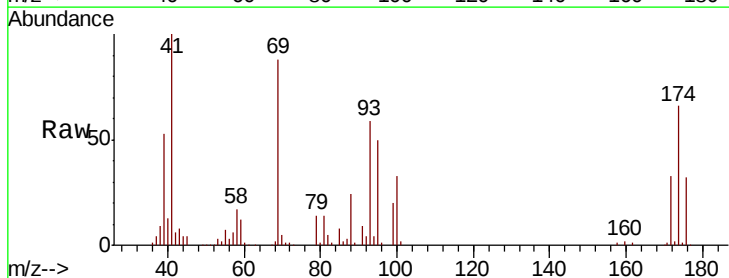


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

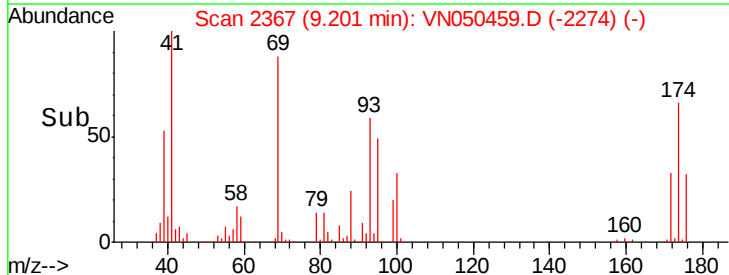
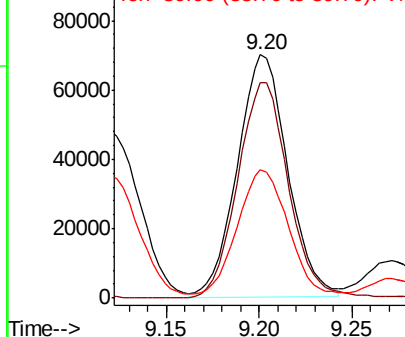


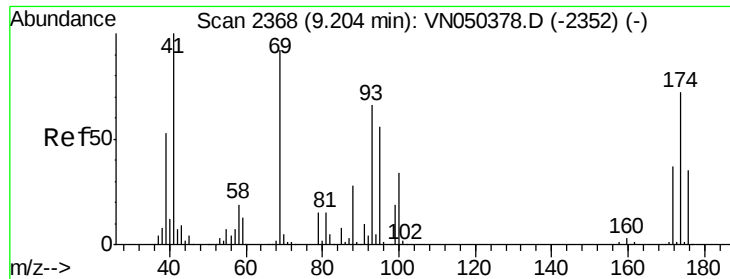
#48
Methyl methacrylate
Concen: 16.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 41 Resp: 131942
Ion Ratio Lower Upper
41 100
69 90.9 70.6 105.8
39 54.3 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: 287.56 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

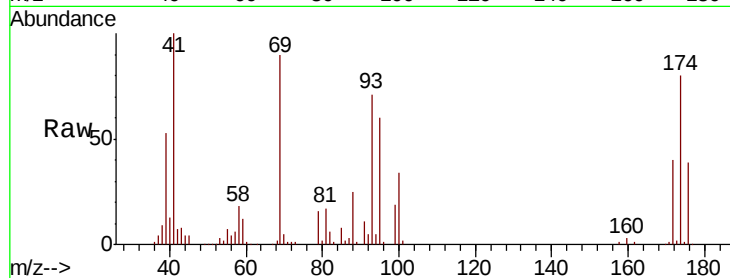
Tot Ion: 88 Resp: 35337

Ion Ratio Lower Upper

88 100

43 31.6 26.9 40.3

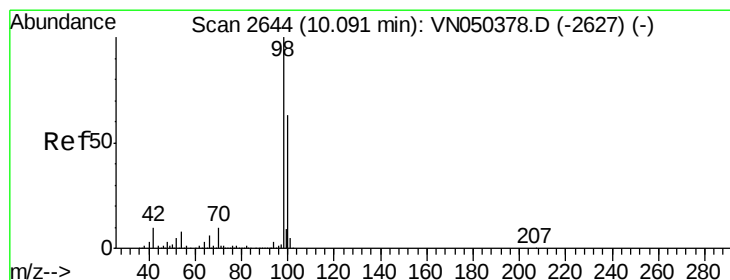
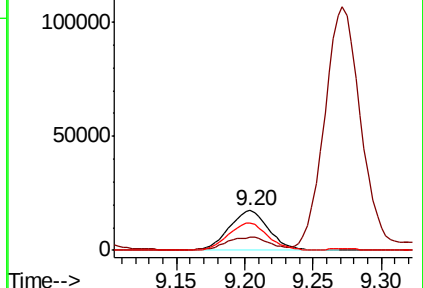
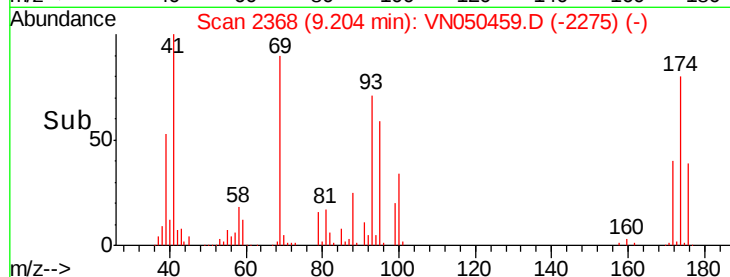
58 68.7 57.3 85.9



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: 46.14 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050459.D

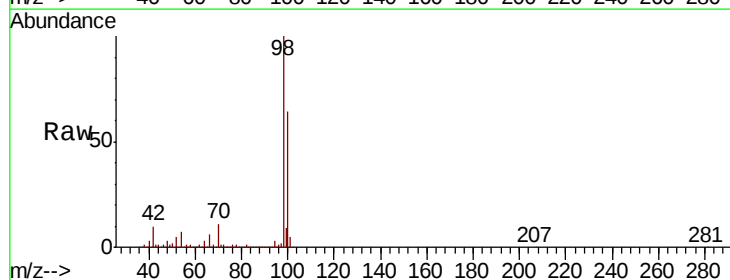
Acq: 8 Aug 2018 15:14

Tgt Ion: 98 Resp: 1621054

Ion Ratio Lower Upper

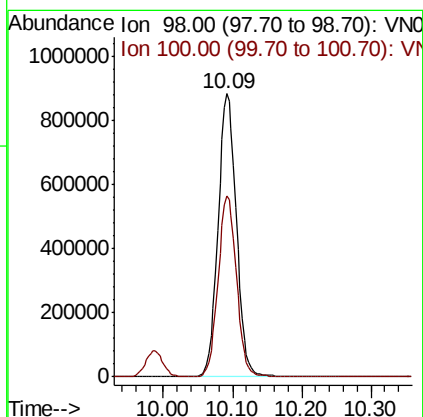
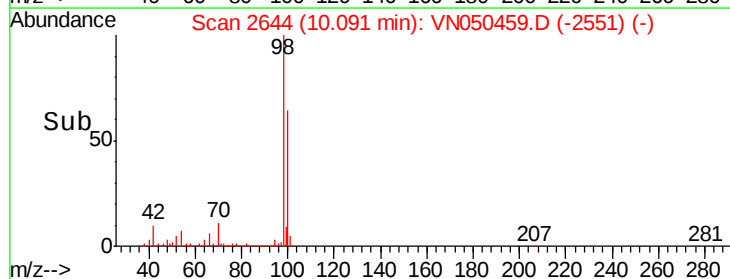
98 100

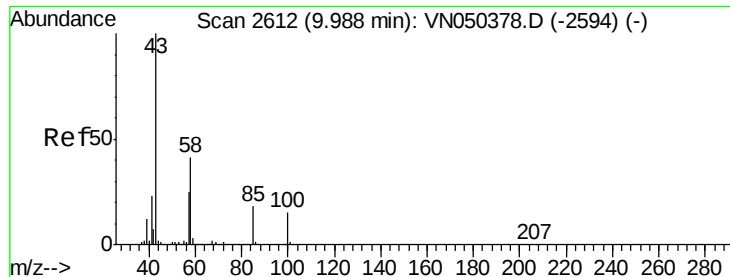
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

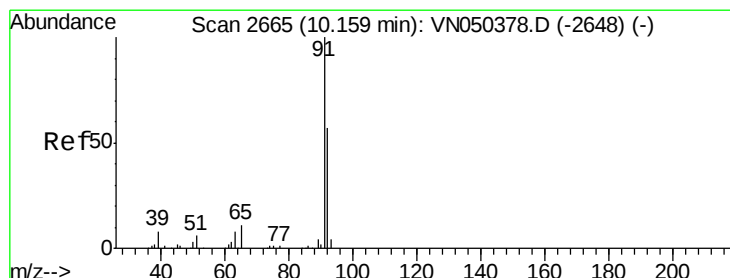
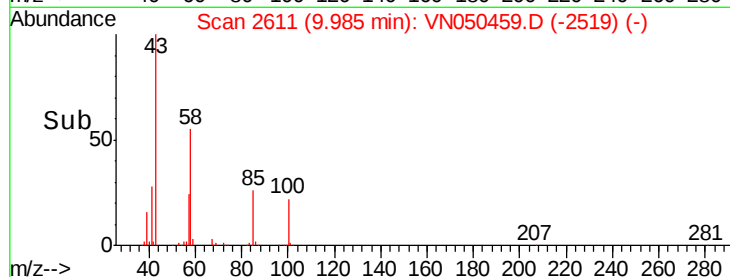
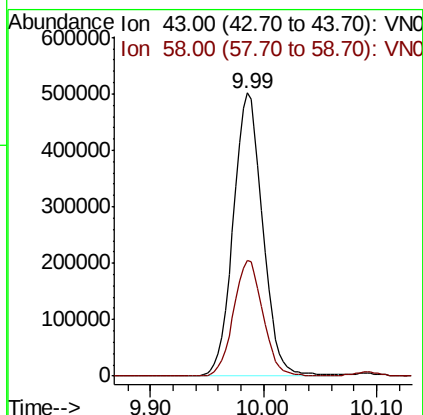
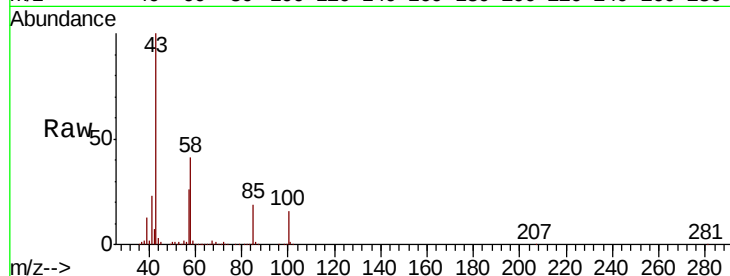




#51
4-Methyl-2-Pentanone
Concen: 79.20 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

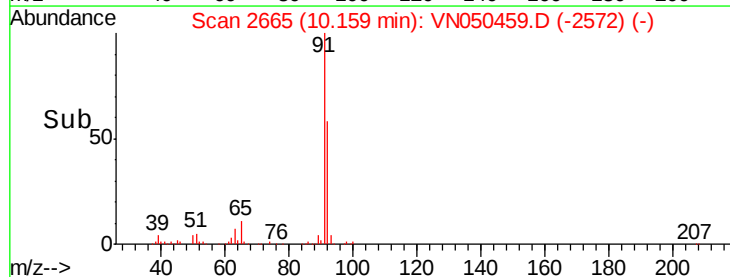
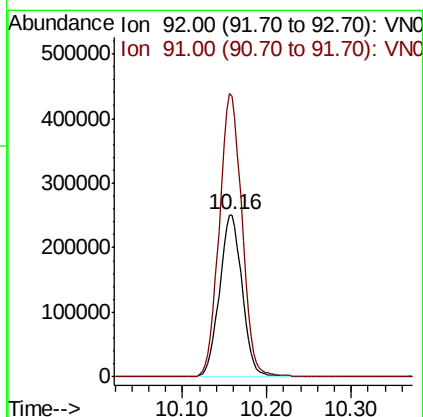
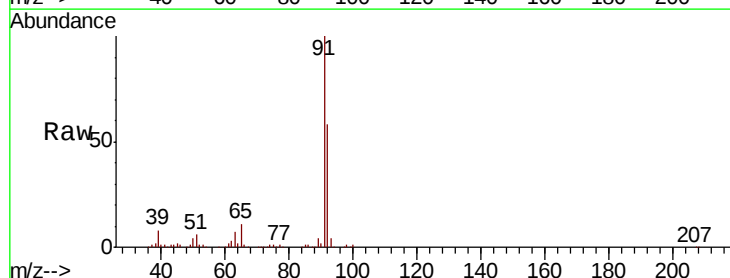
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

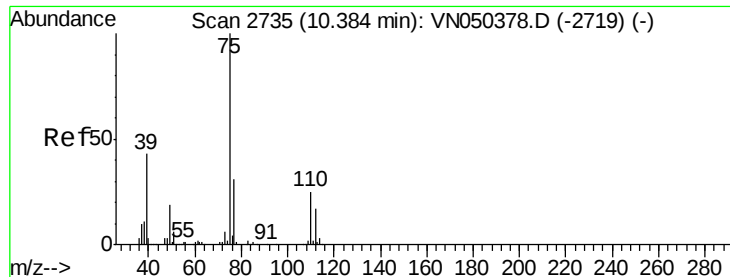
Tot Ion: 43 Resp: 907298
Ion Ratio Lower Upper
43 100
58 41.0 31.9 47.9



#52
Toluene
Concen: 19.78 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 92 Resp: 467475
Ion Ratio Lower Upper
92 100
91 175.3 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.09 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

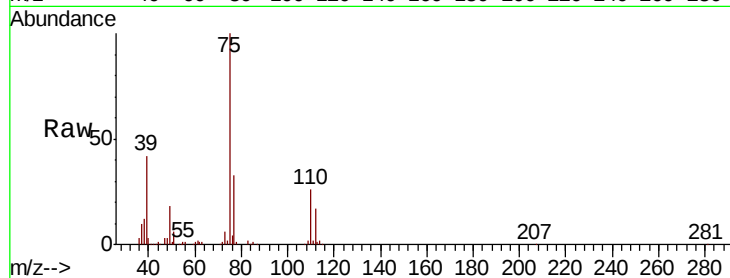
VN0808WBSD01

Tot Ion: 75 Resp: 240319

Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

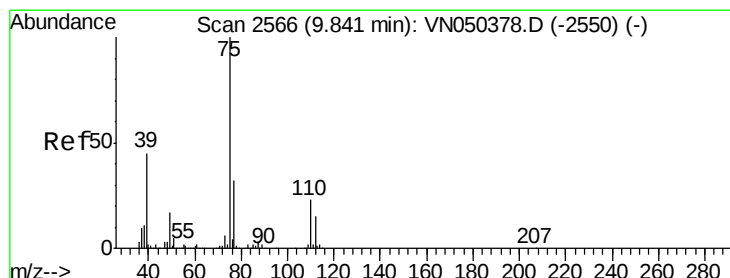
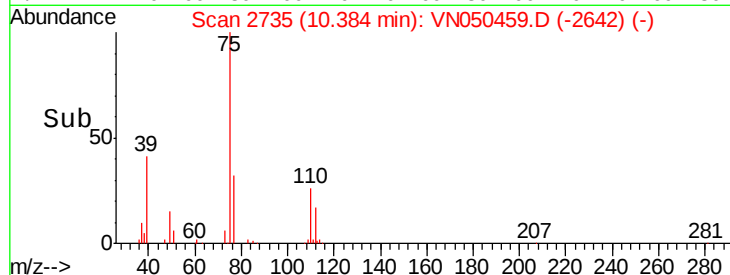
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.11 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

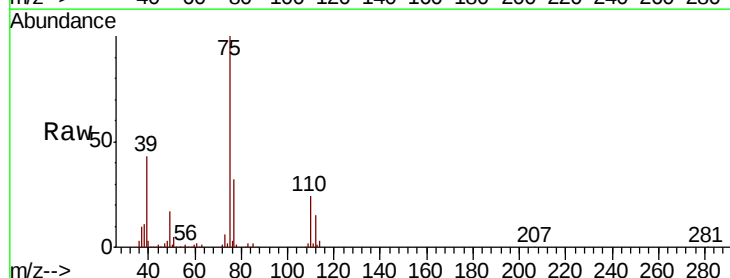
Tgt Ion: 75 Resp: 283273

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 43.5 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

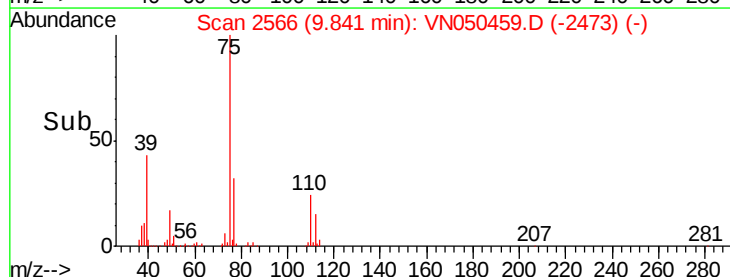
150000

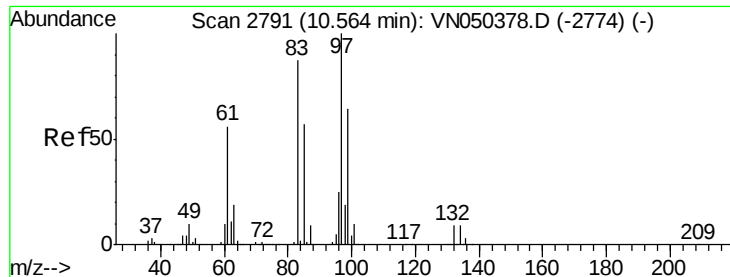
100000

50000

0

Time-->

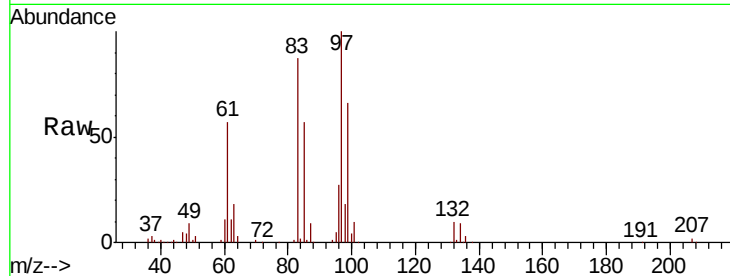




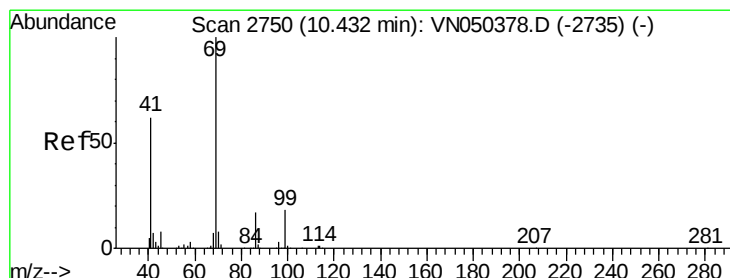
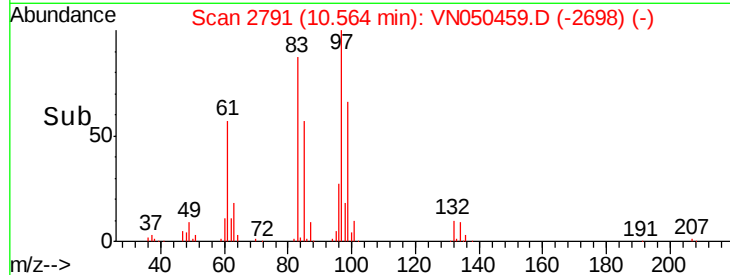
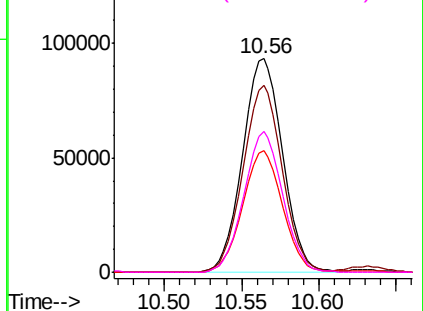
#55
 1,1,2-Trichloroethane
 Concen: 18.27 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBSD01

Tot Ion:	97	Resp:	168509
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.2	103.8
85	56.8	44.0	66.0
99	65.8	49.9	74.9

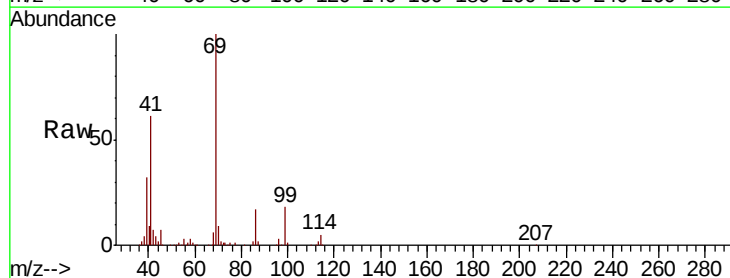


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

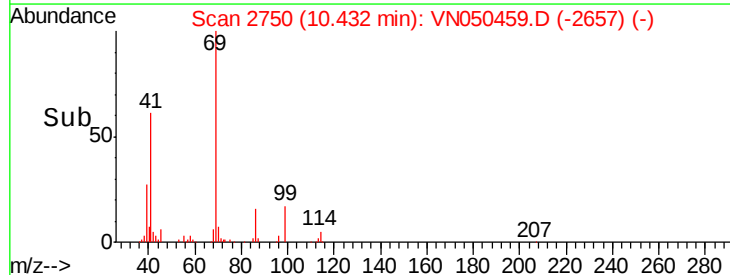
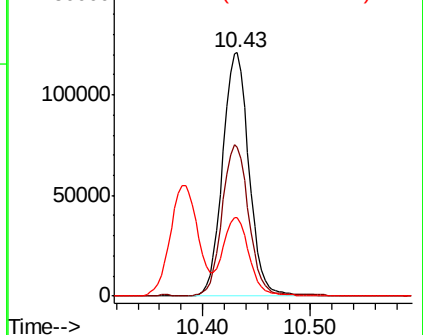


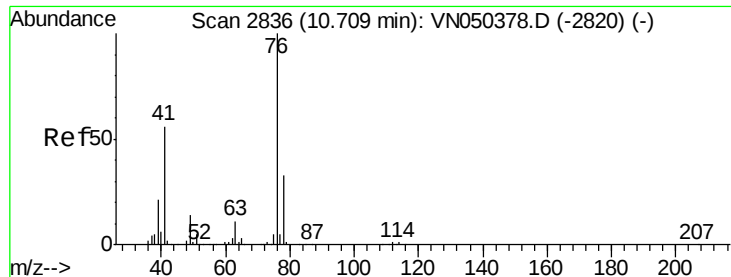
#56
 Ethyl methacrylate
 Concen: 16.97 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion:	69	Resp:	206312
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.0	76.4
39	31.6	26.6	40.0



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

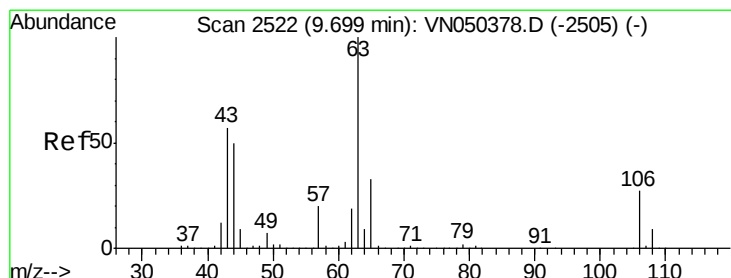
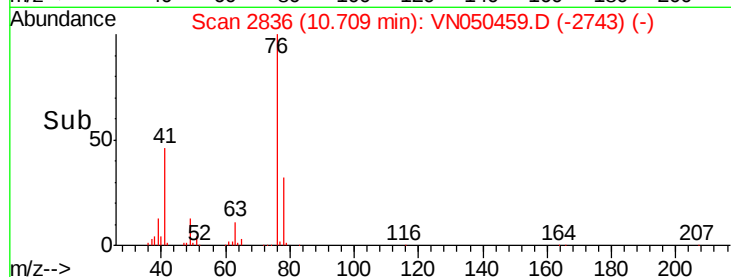
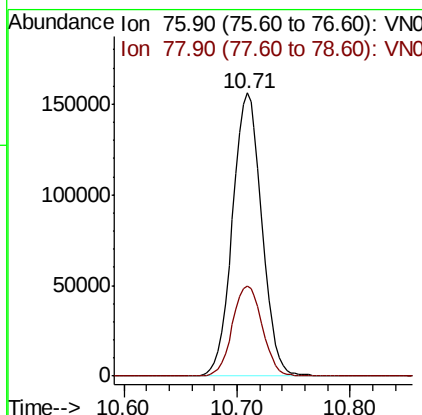
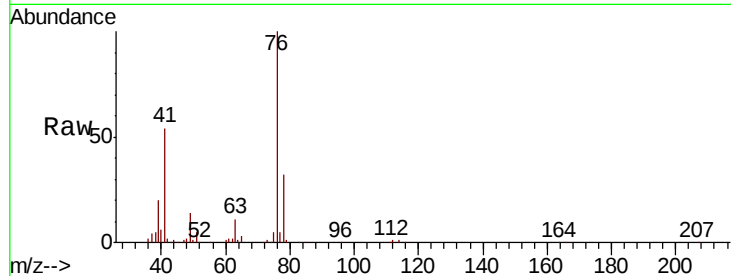




#57
 1,3-Dichloropropane
 Concen: 18.61 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

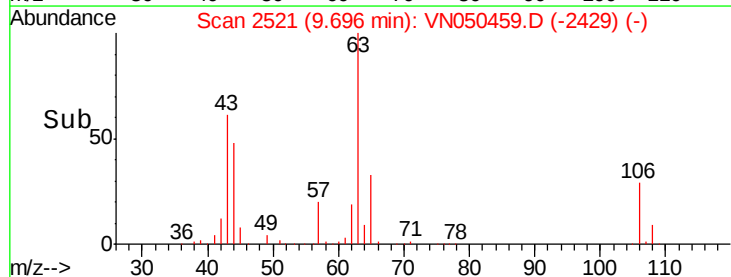
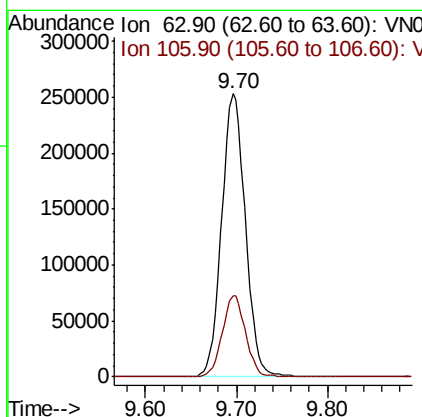
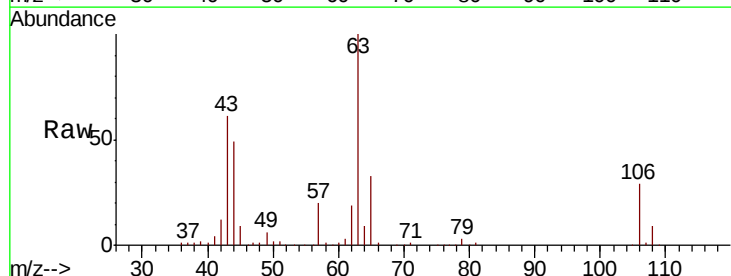
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

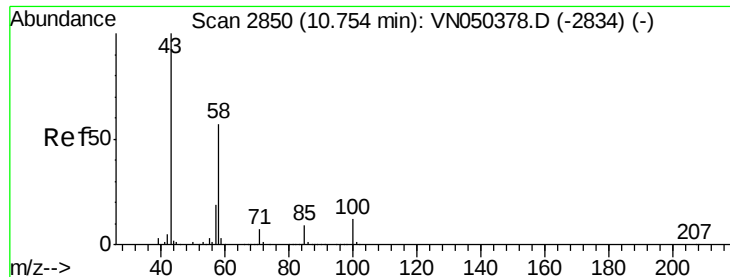
Tot Ion: 76 Resp: 281782
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.75 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 63 Resp: 459969
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.7 32.5

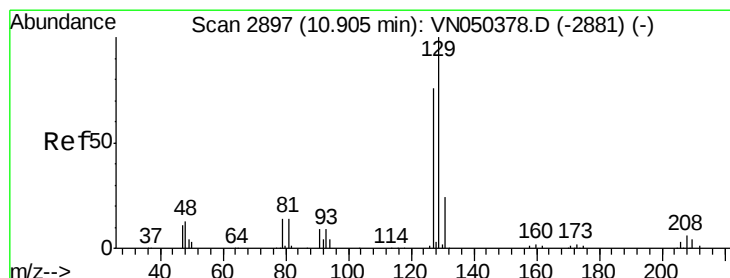
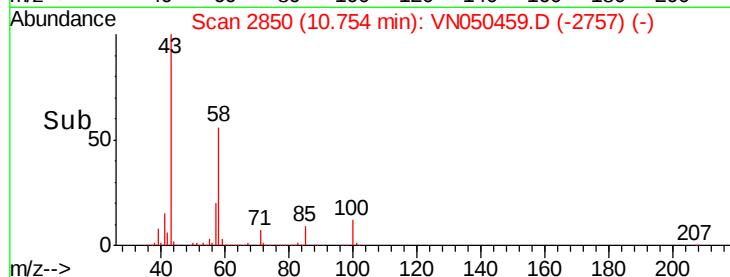
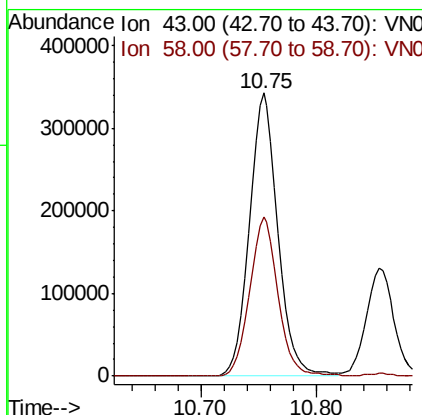
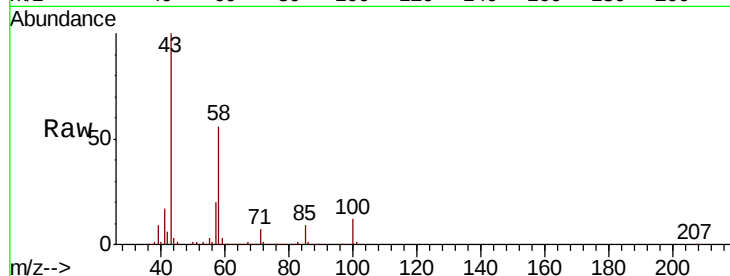




#59
2-Hexanone
Concen: 73.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

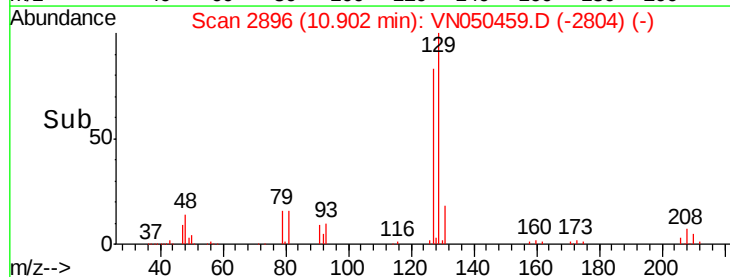
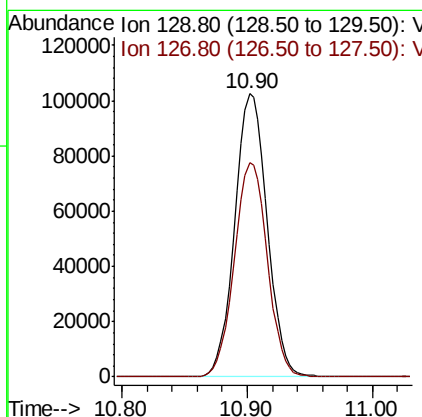
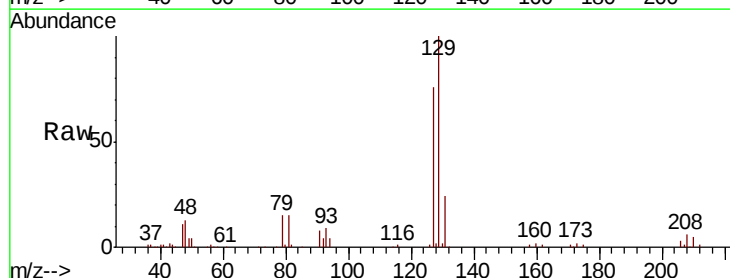
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

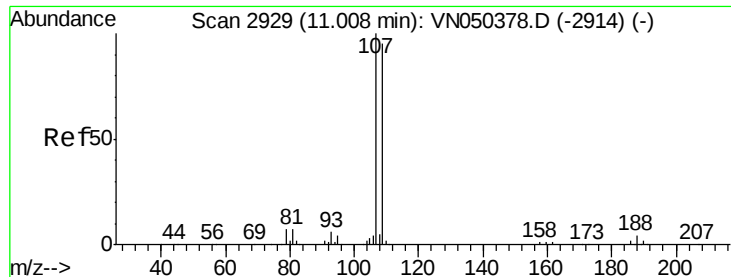
Tot Ion: 43 Resp: 584813
Ion Ratio Lower Upper
43 100
58 56.2 27.6 82.7



#60
Dibromochloromethane
Concen: 18.14 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 129 Resp: 184324
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 17.86 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

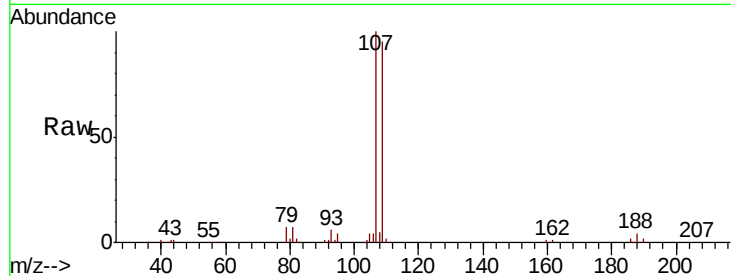
VN0808WBSD01

Tot Ion:107 Resp: 162392

Ion Ratio Lower Upper

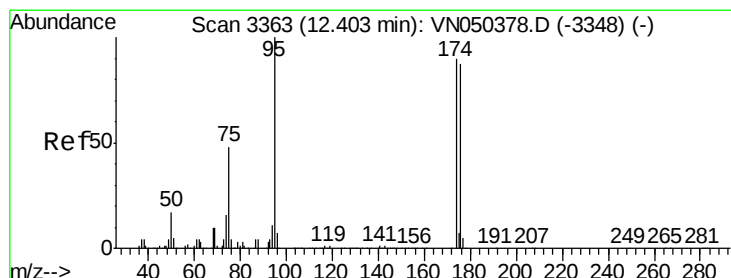
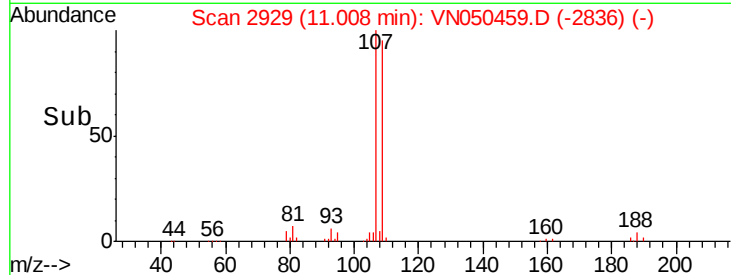
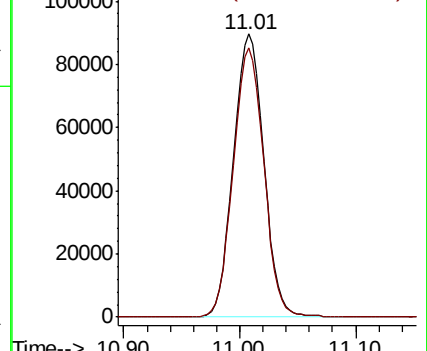
107 100

109 95.7 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: 44.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

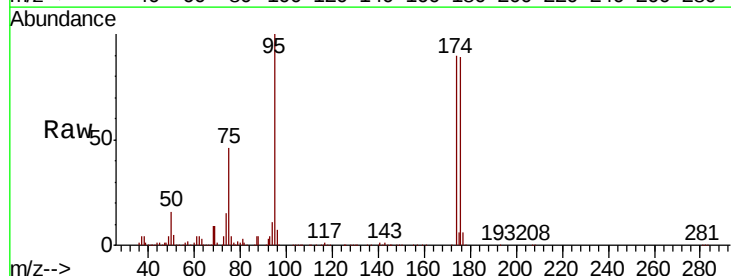
Tgt Ion: 95 Resp: 531597

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

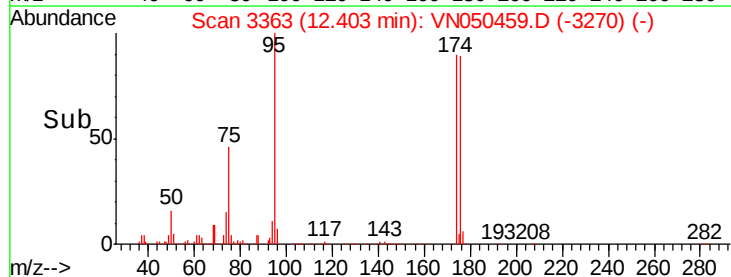
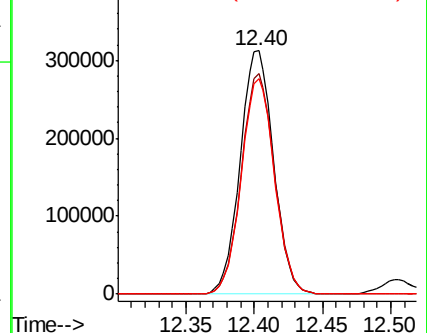
176 88.0 0.0 173.4

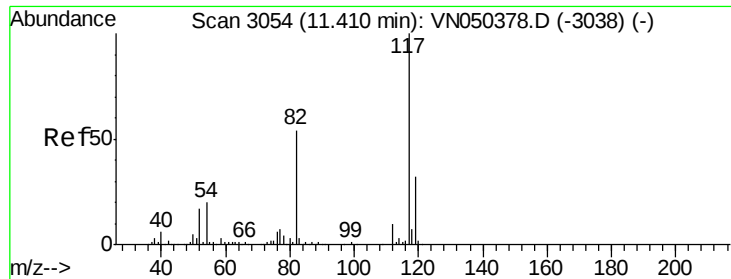


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

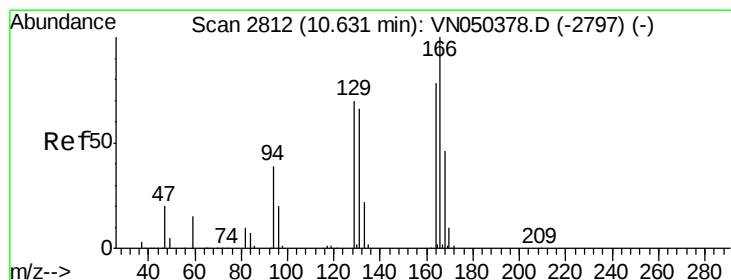
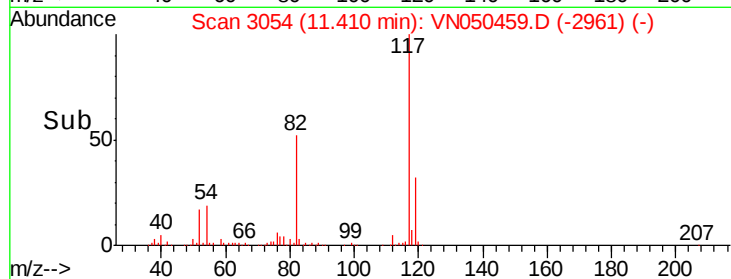
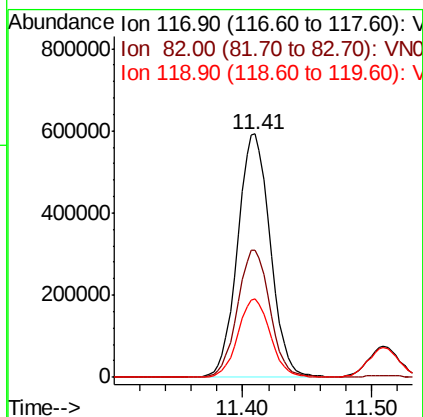
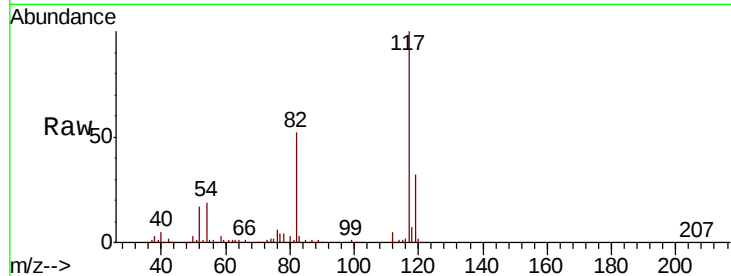




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

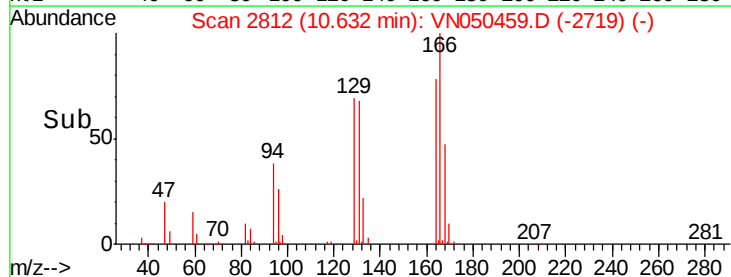
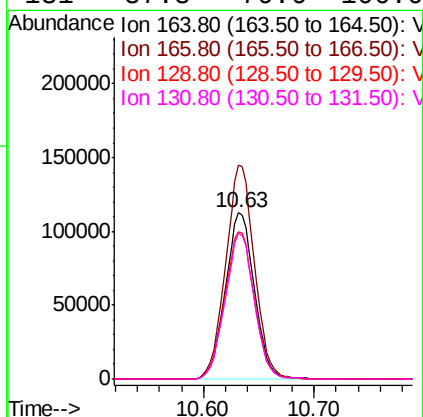
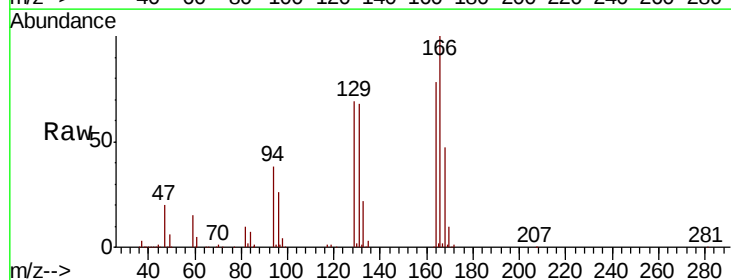
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

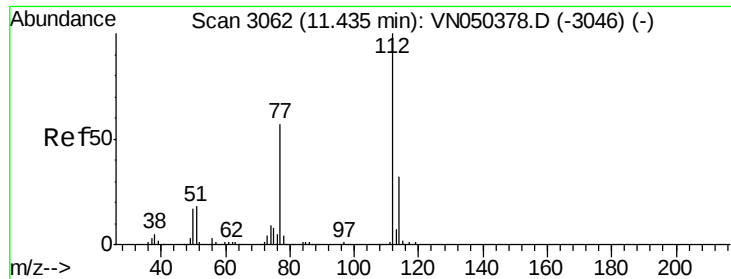
Tot Ion:117 Resp: 1043781
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 32.1 26.1 39.1



#64
Tetrachloroethene
Concen: 21.01 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:164 Resp: 204881
Ion Ratio Lower Upper
164 100
166 128.7 102.1 153.1
129 89.0 73.2 109.8
131 87.8 70.6 106.0

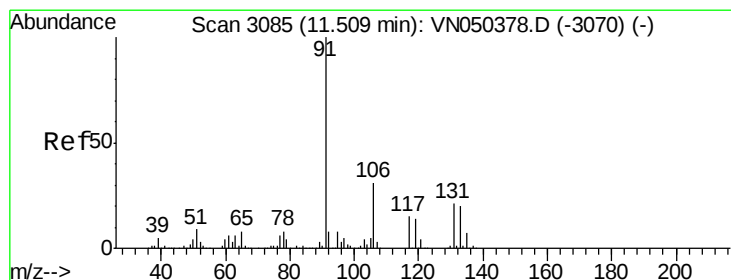
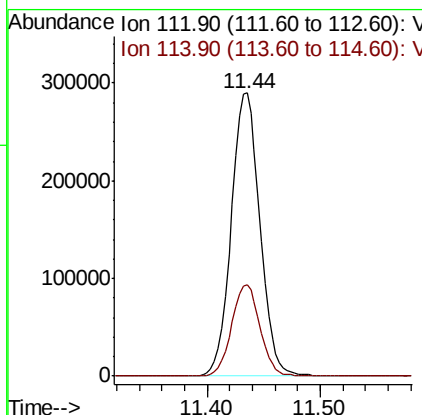
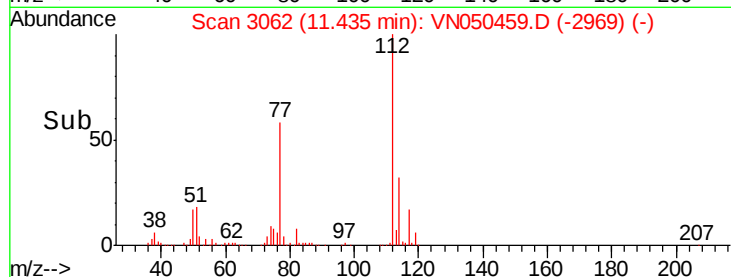
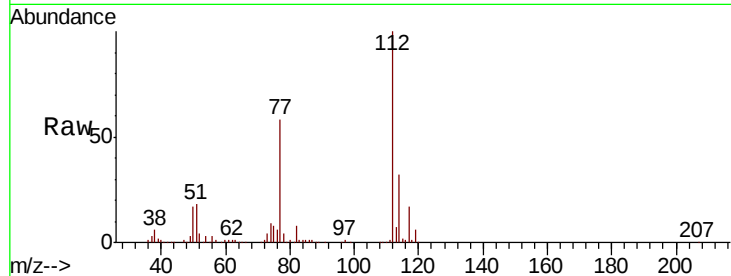




#65
Chlorobenzene
Concen: 19.51 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

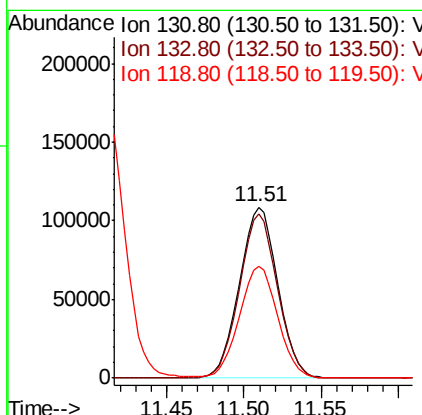
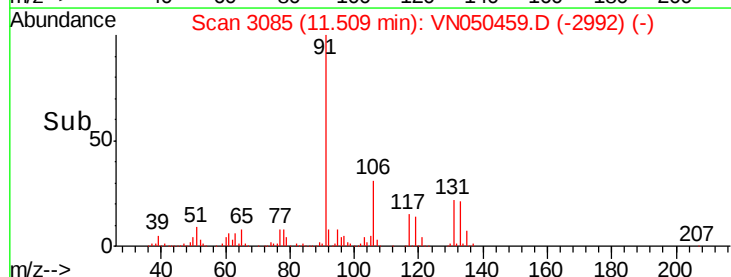
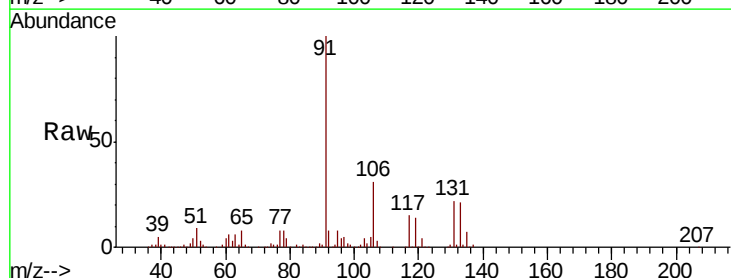
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

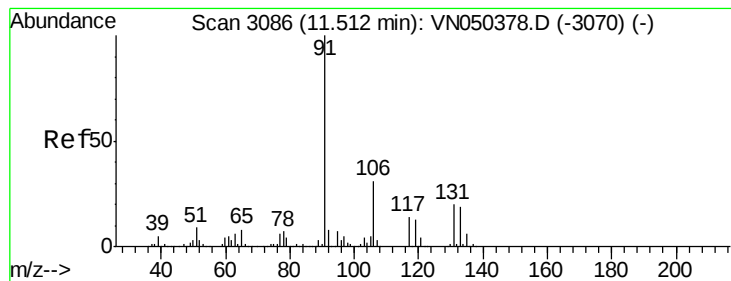
Tot Ion:112 Resp: 510603
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.63 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:131 Resp: 186998
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.7 32.9 98.7





#67

Ethyl Benzene

Concen: 20.26 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

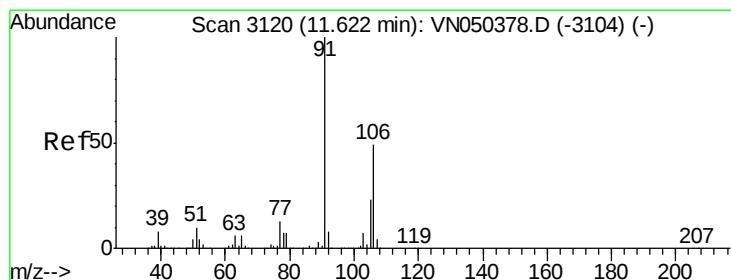
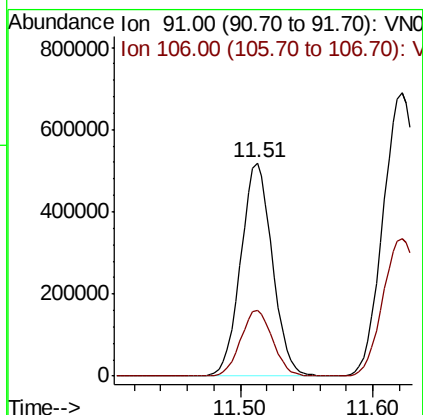
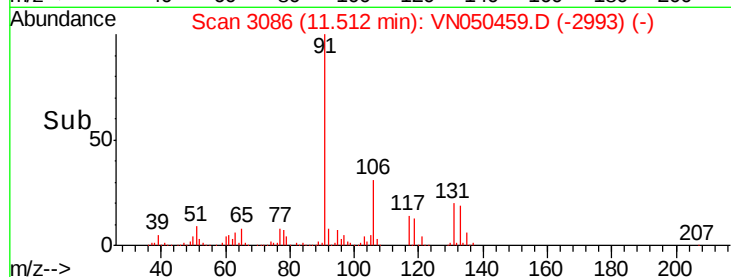
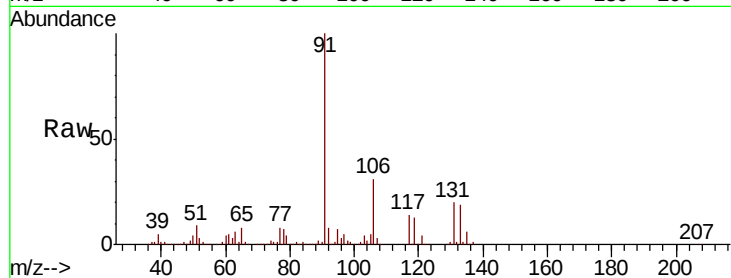
VN0808WBSD01

Tot Ion: 91 Resp: 856979

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



#68

m/p-Xylenes

Concen: 40.89 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050459.D

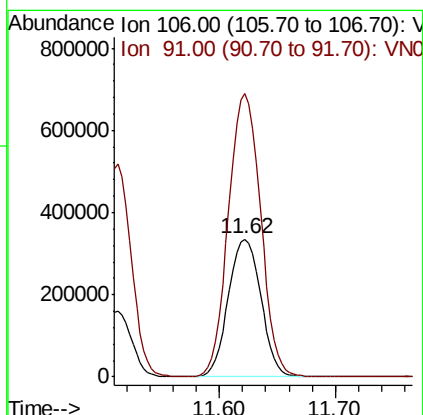
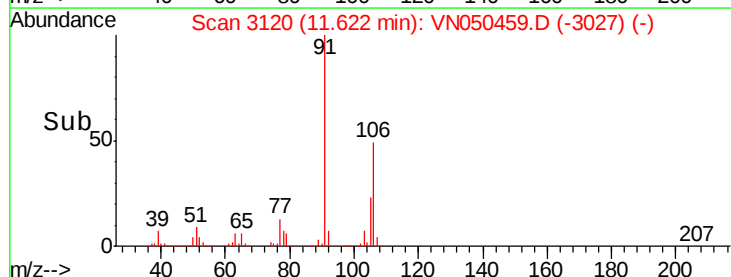
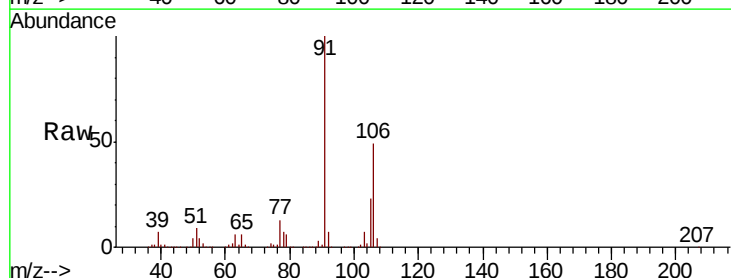
Acq: 8 Aug 2018 15:14

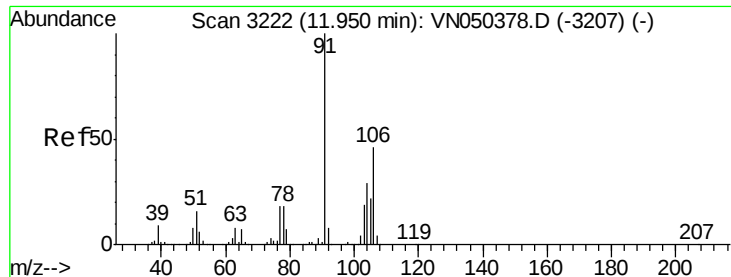
Tgt Ion: 106 Resp: 658511

Ion Ratio Lower Upper

106 100

91 202.7 162.2 243.2

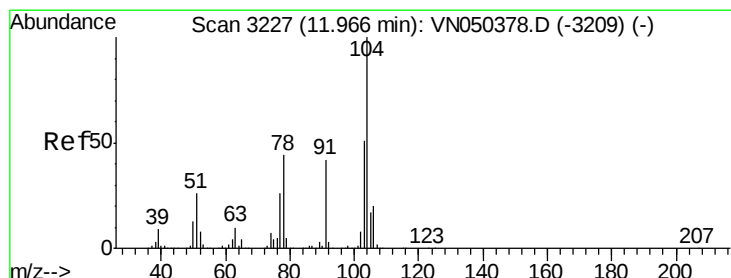
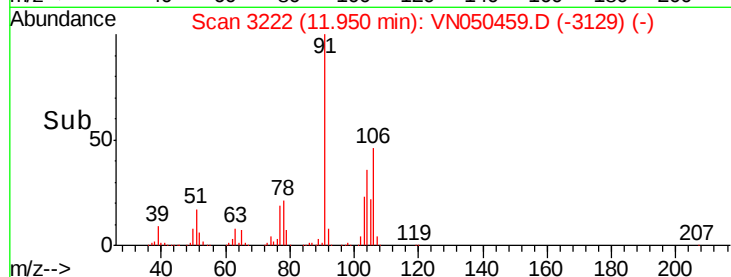
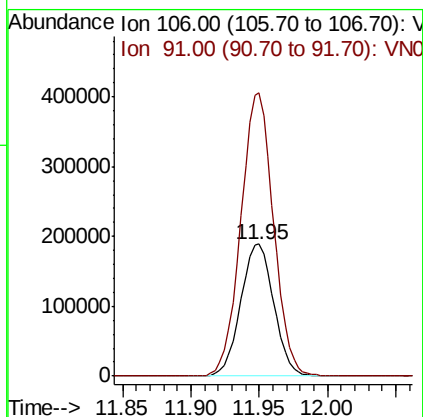
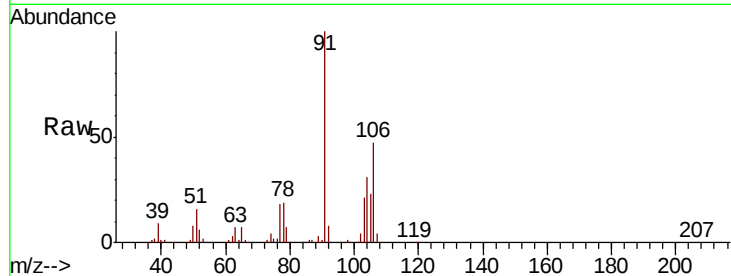




#69
o-Xylene
Concen: 20.51 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

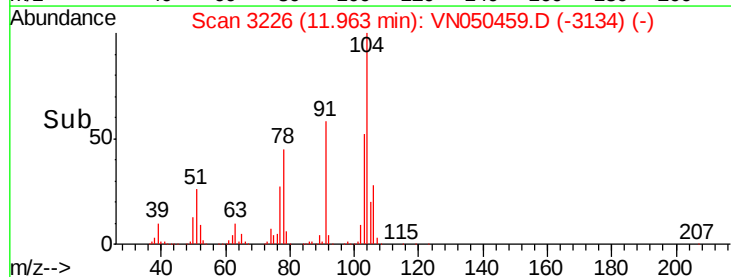
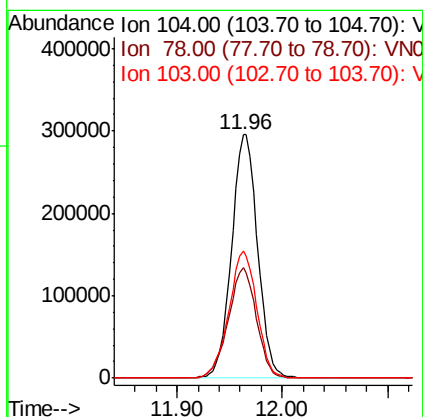
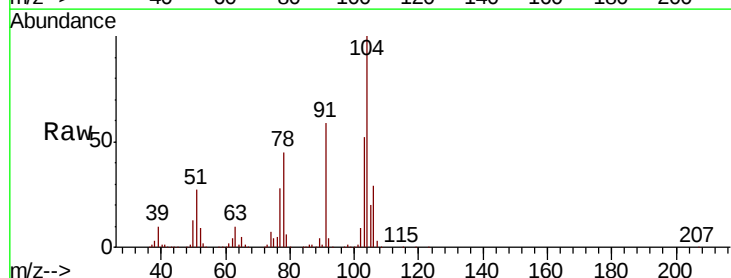
Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

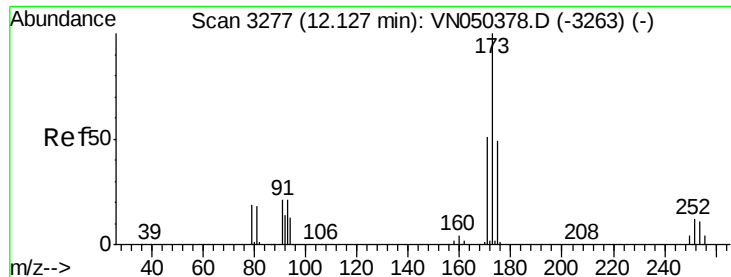
Tot Ion:106 Resp: 318200
Ion Ratio Lower Upper
106 100
91 211.9 107.7 323.1



#70
Styrene
Concen: 19.95 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:104 Resp: 503335
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.2 45.0 67.6

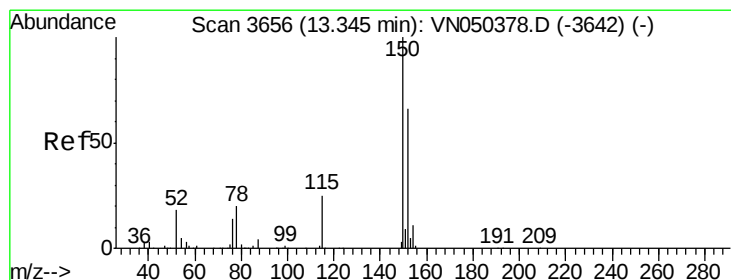
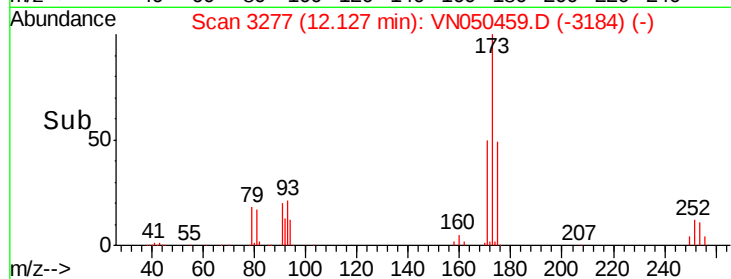
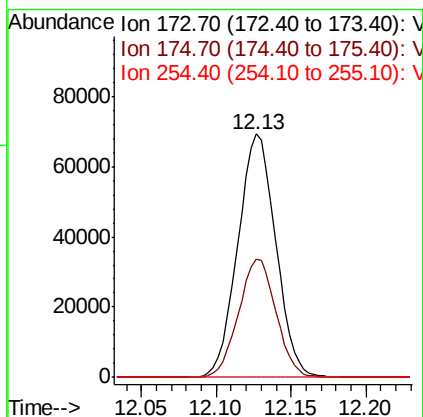
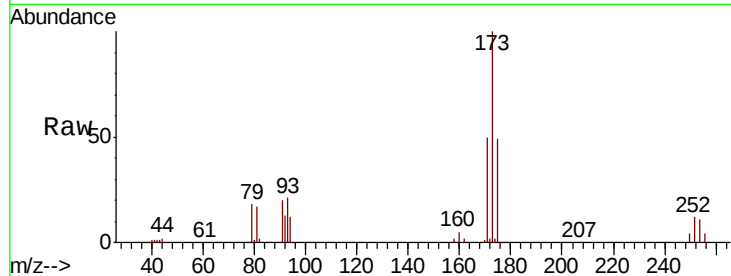




#71
Bromoform
Concen: 17.56 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

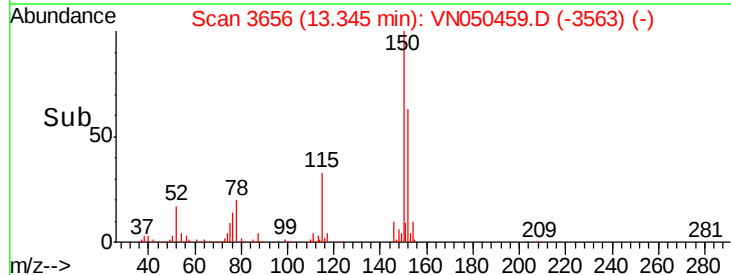
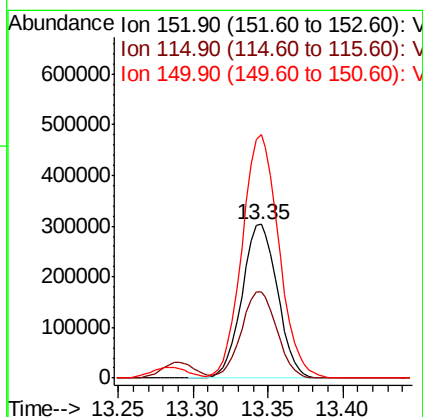
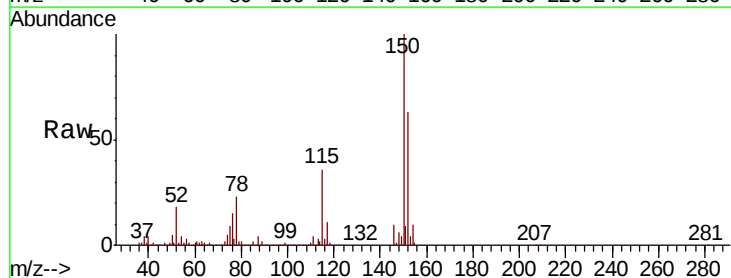
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

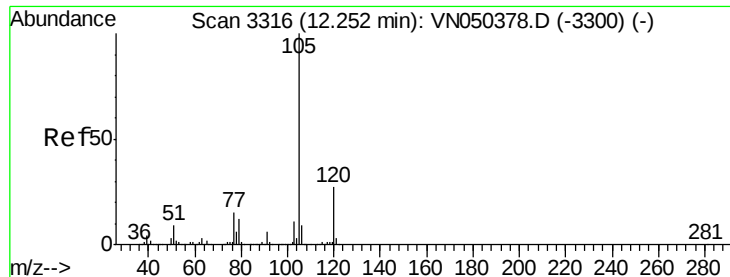
Tot Ion:173 Resp: 122253
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:152 Resp: 500423
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.3
150 164.7 0.0 348.6





#73

Isopropylbenzene

Concen: 22.19 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

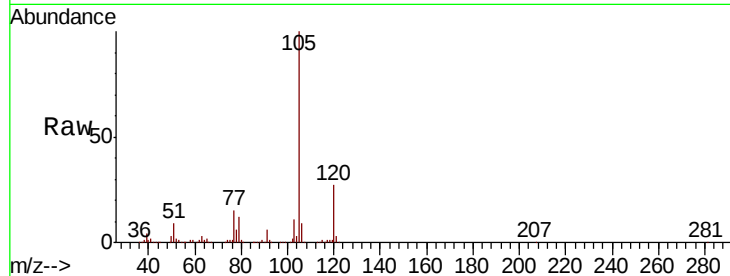
VN0808WBSD01

Tot Ion:105 Resp: 833576

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

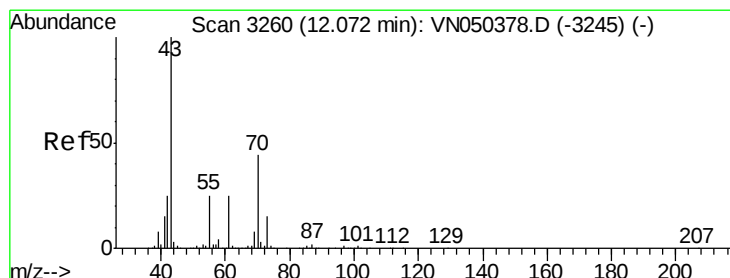
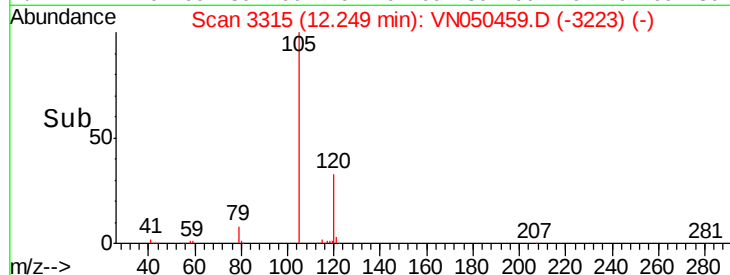
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 17.52 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 213376

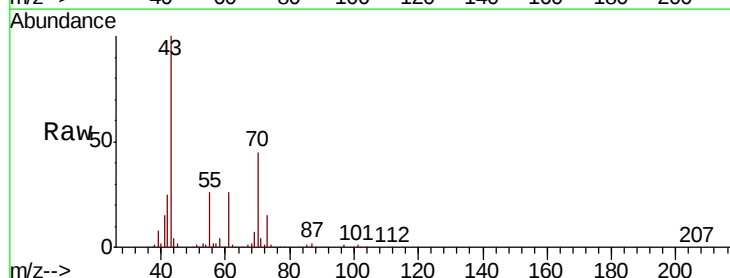
Ion Ratio Lower Upper

43 100

70 44.8 34.4 51.6

55 26.0 20.8 31.2

61 25.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

50000

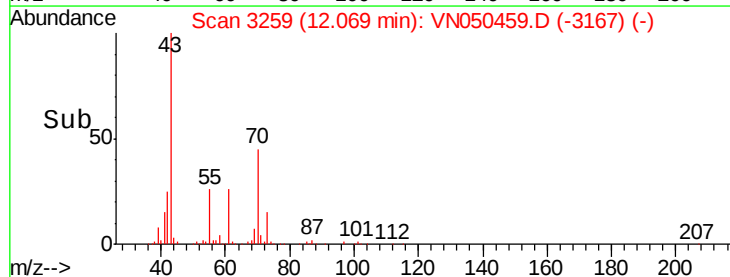
0

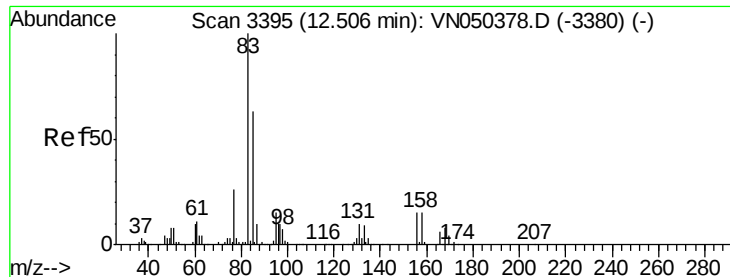
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.42 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

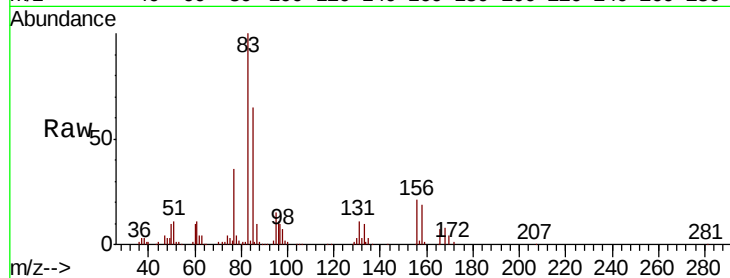
Tot Ion: 83 Resp: 199631

Ion Ratio Lower Upper

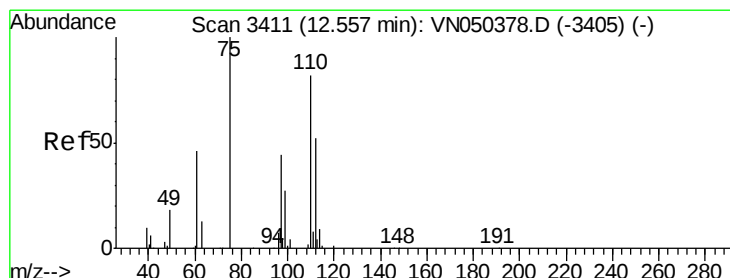
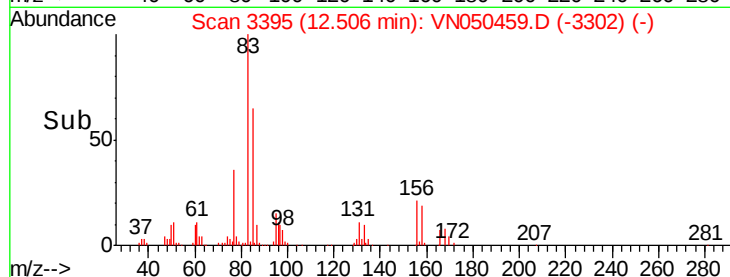
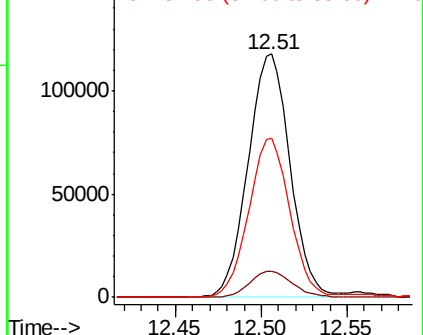
83 100

131 10.8 5.1 15.3

85 63.9 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: 25.78 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050459.D

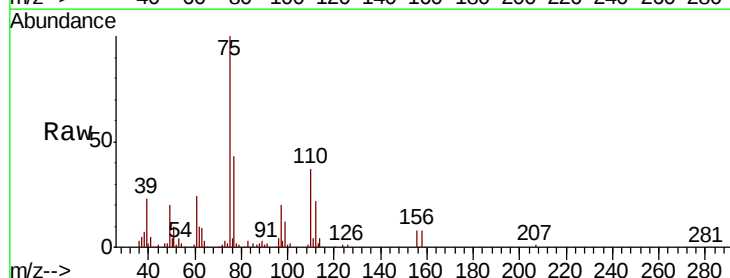
Acq: 8 Aug 2018 15:14

Tgt Ion: 75 Resp: 233527

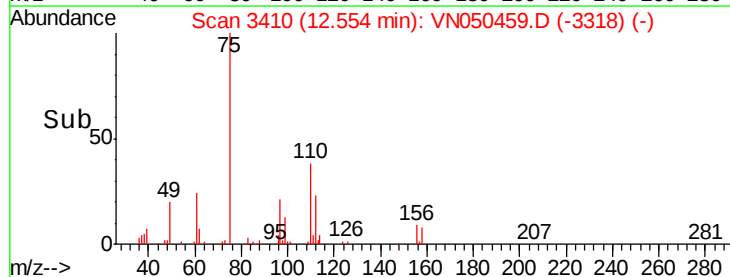
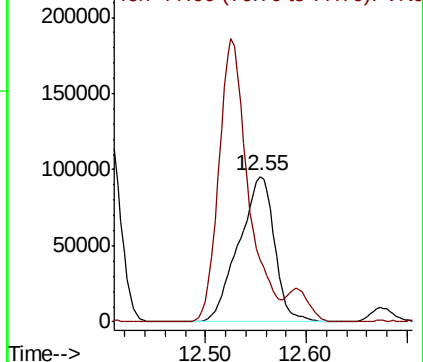
Ion Ratio Lower Upper

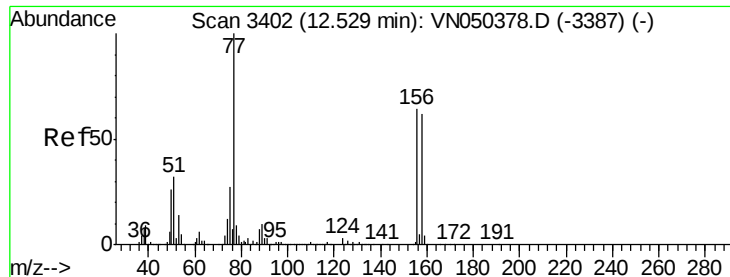
75 100

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: 21.22 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

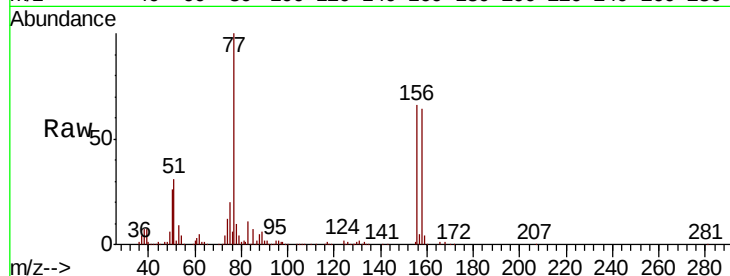
Tot Ion:156 Resp: 213599

Ion Ratio Lower Upper

156 100

77 176.6 91.7 275.1

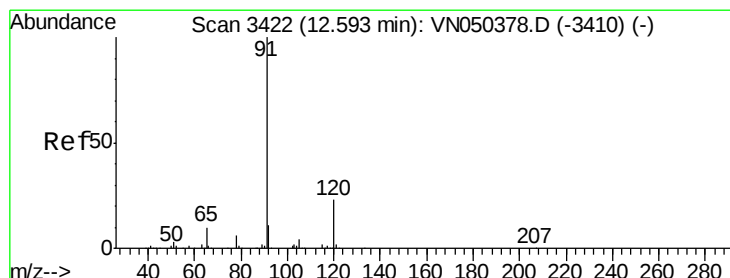
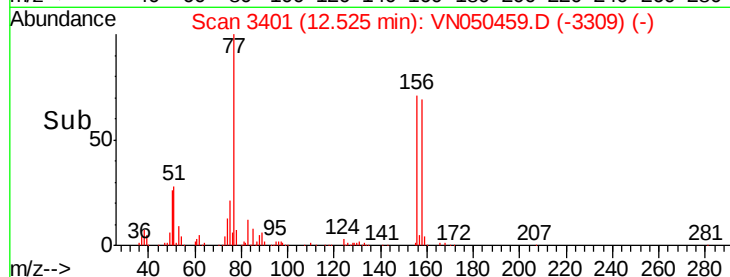
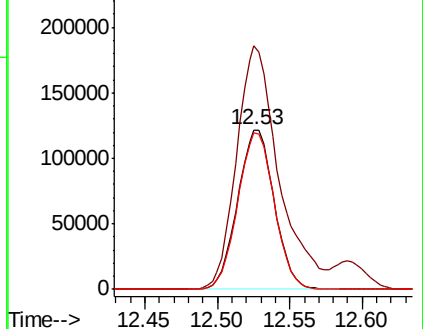
158 97.8 48.9 146.6



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: 21.42 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050459.D

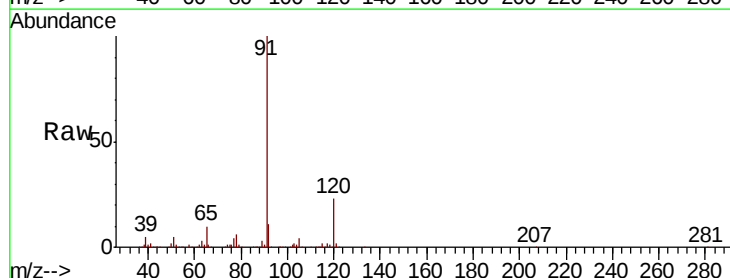
Acq: 8 Aug 2018 15:14

Tgt Ion: 91 Resp: 910732

Ion Ratio Lower Upper

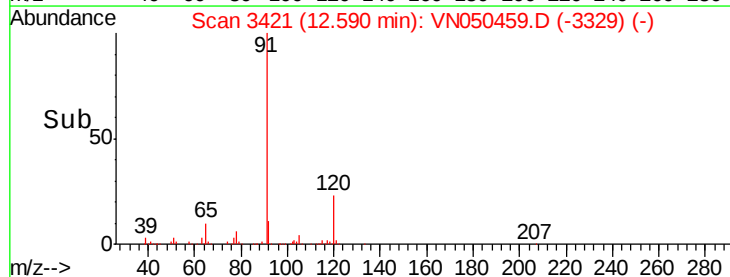
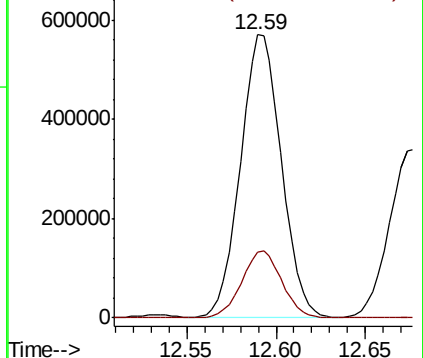
91 100

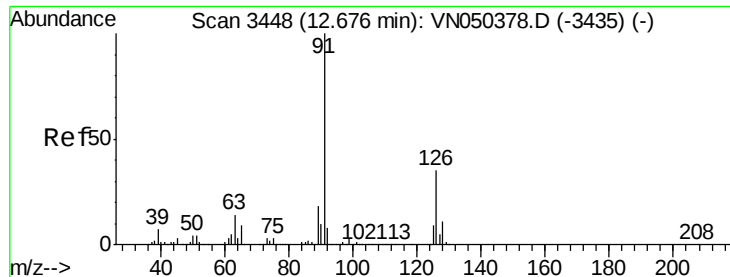
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.46 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

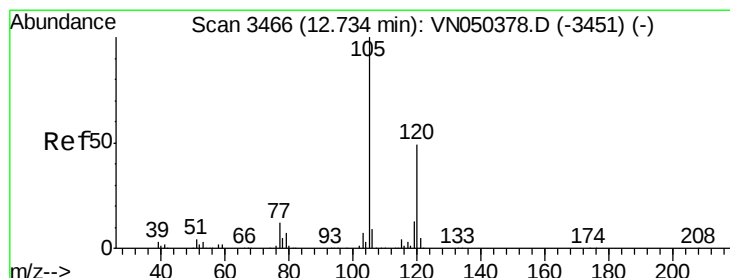
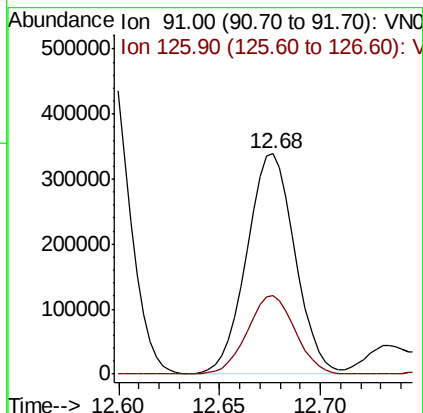
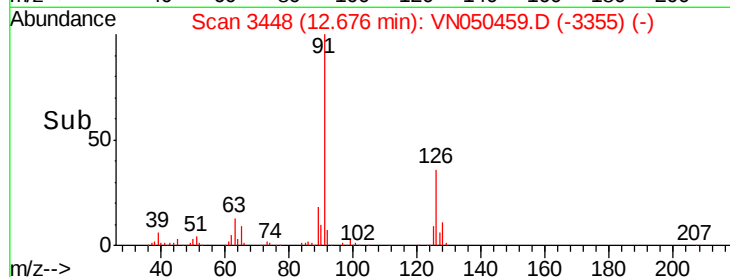
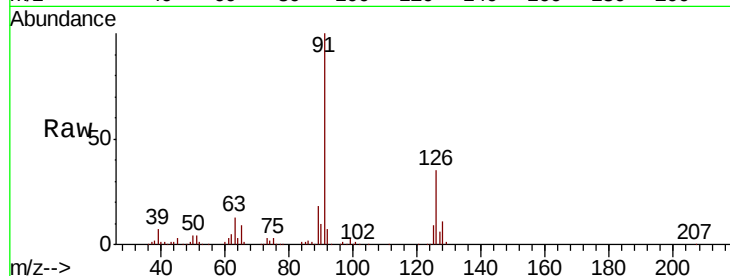
VN0808WBSD01

Tot Ion: 91 Resp: 563461

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.07 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050459.D

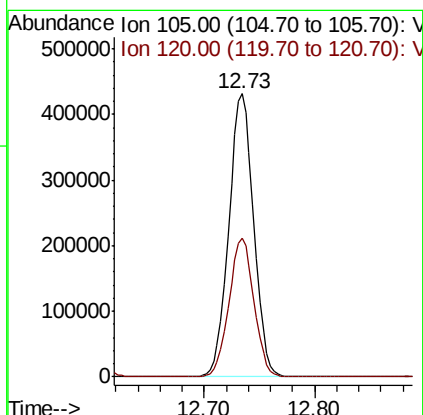
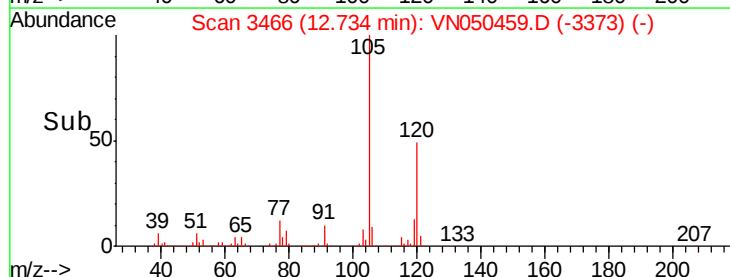
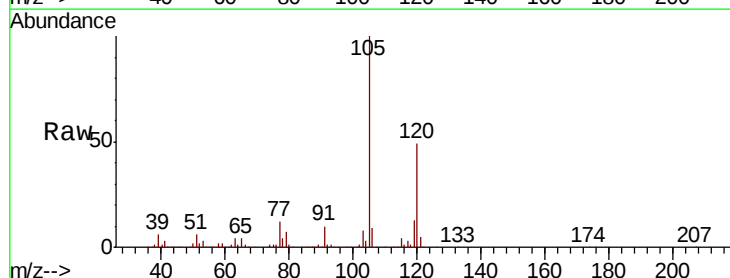
Acq: 8 Aug 2018 15:14

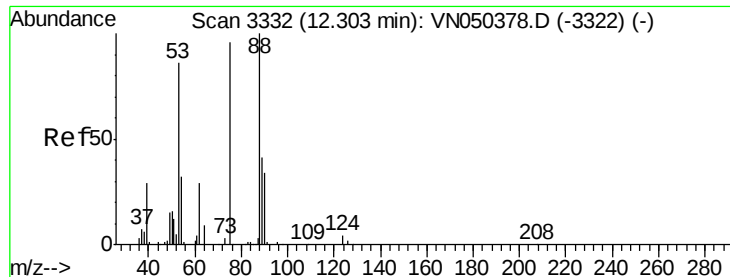
Tgt Ion: 105 Resp: 673018

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.42 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

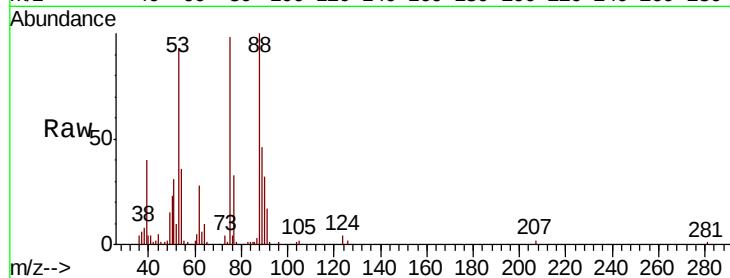
Tot Ion: 75 Resp: 44901

Ion Ratio Lower Upper

75 100

53 91.6 73.5 110.3

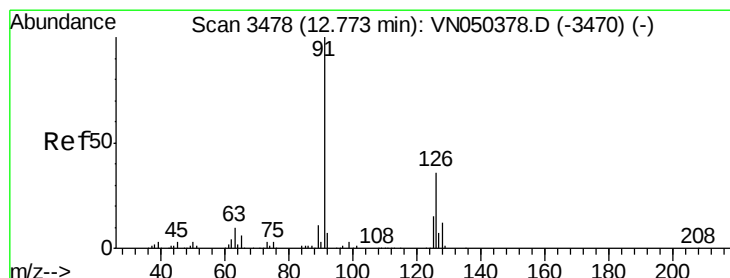
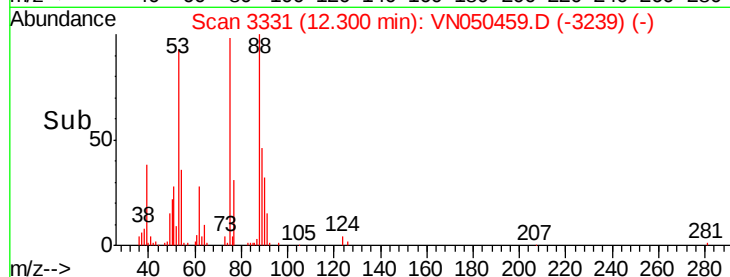
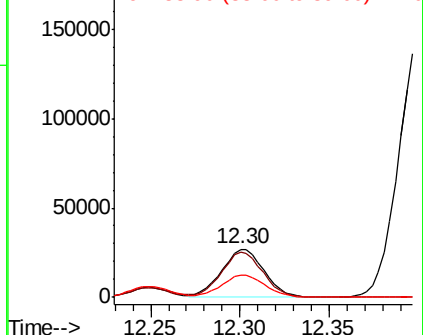
89 46.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.49 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050459.D

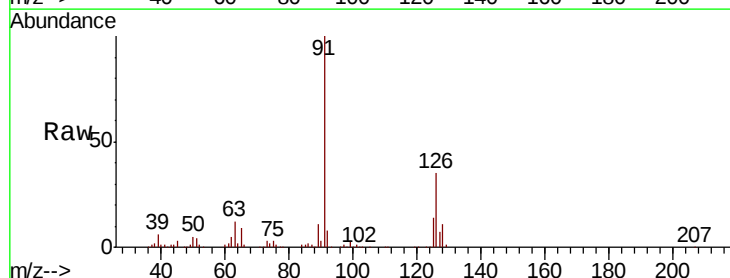
Acq: 8 Aug 2018 15:14

Tgt Ion: 91 Resp: 562882

Ion Ratio Lower Upper

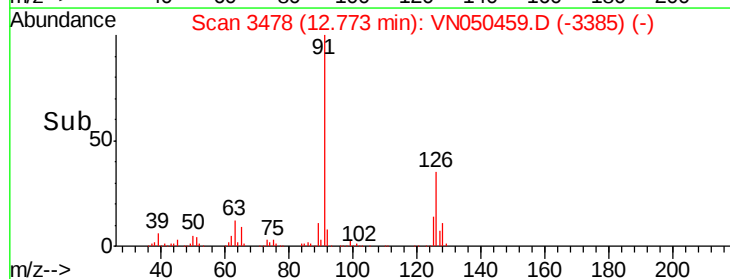
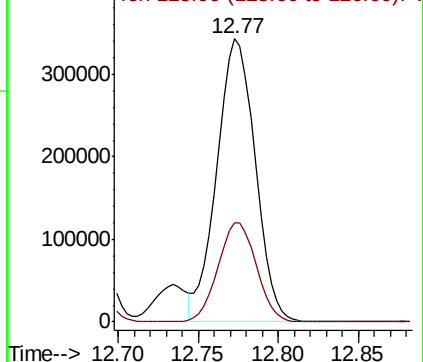
91 100

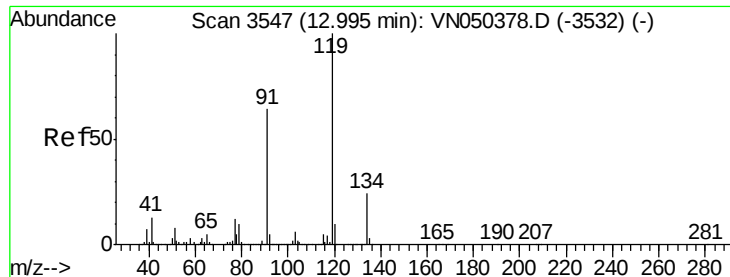
126 35.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

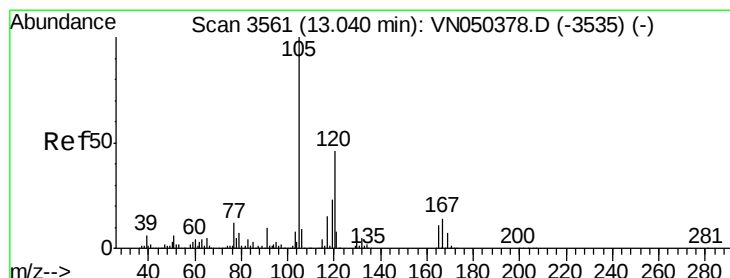
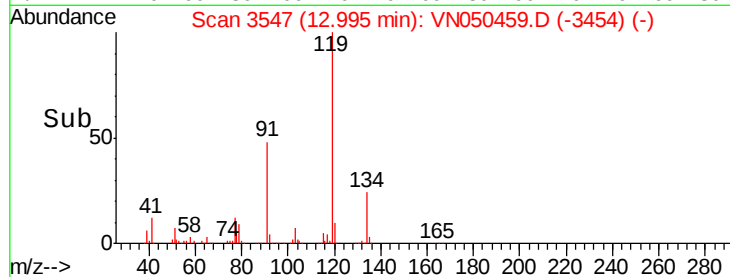
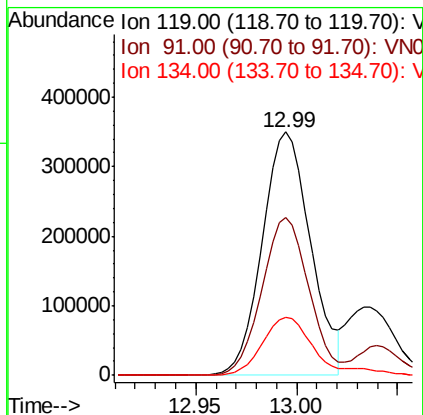
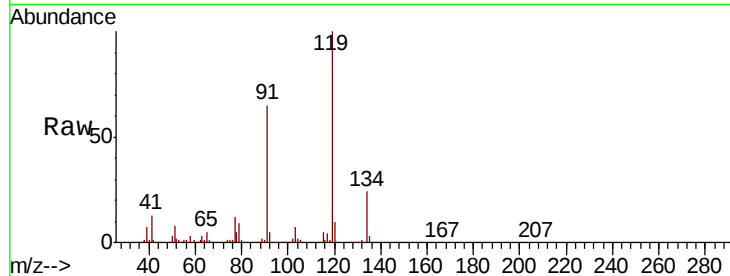




#83
tert-Butylbenzene
Concen: 21.97 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

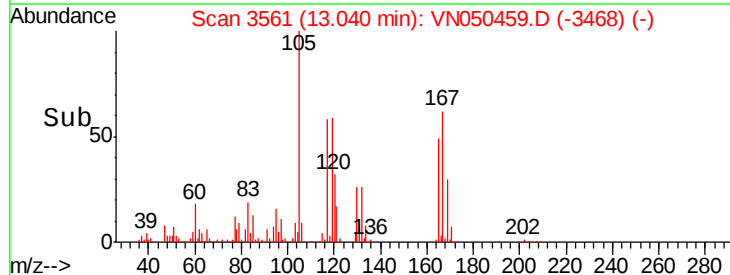
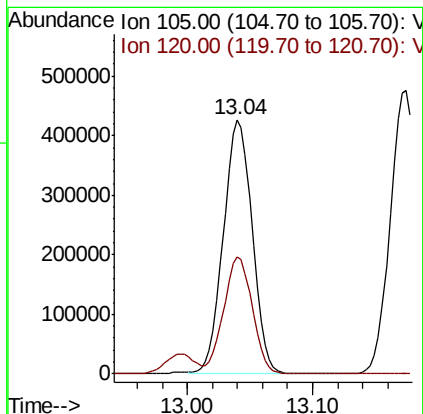
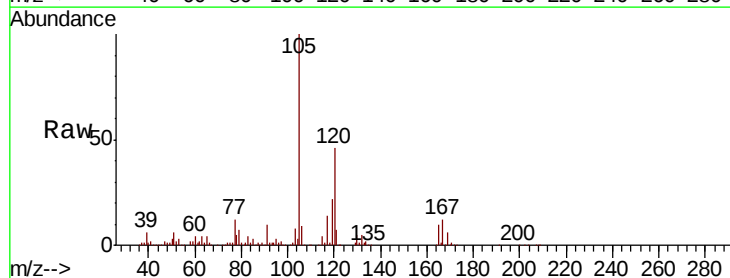
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

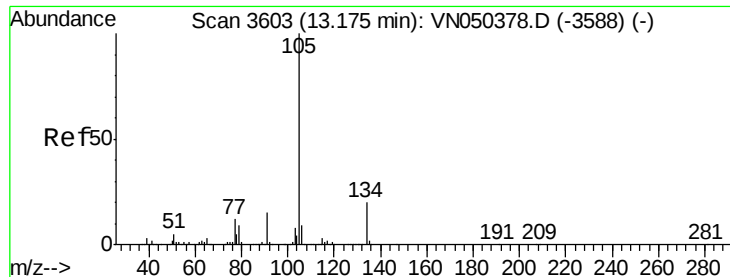
Tot Ion:119 Resp: 584555
Ion Ratio Lower Upper
119 100
91 63.2 32.1 96.3
134 26.1 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 22.04 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050459.D
Acq: 8 Aug 2018 15:14

Tgt Ion:105 Resp: 680971
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.12 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

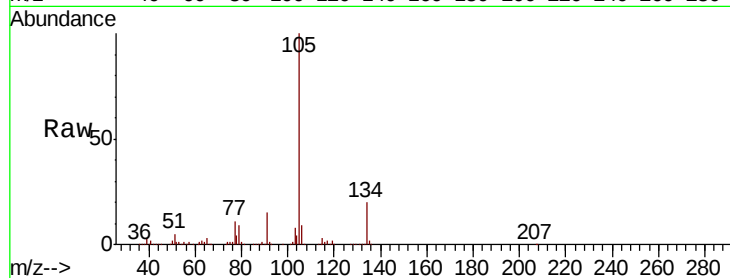
VN0808WBSD01

Tot Ion:105 Resp: 748713

Ion Ratio Lower Upper

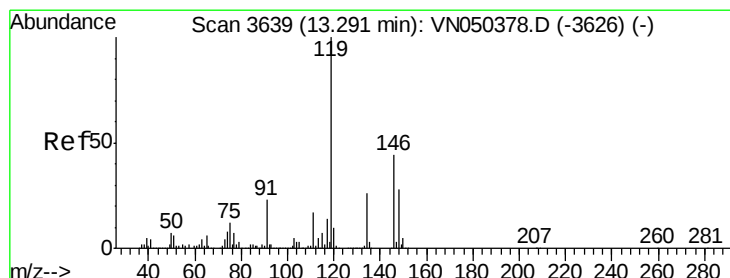
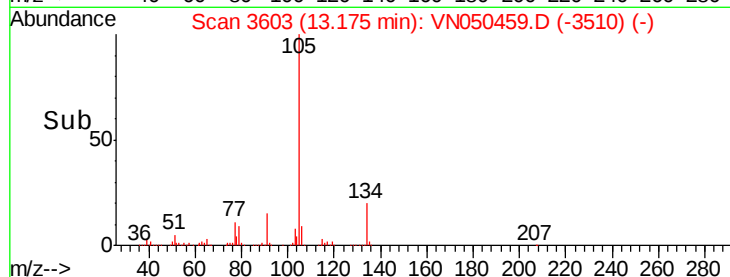
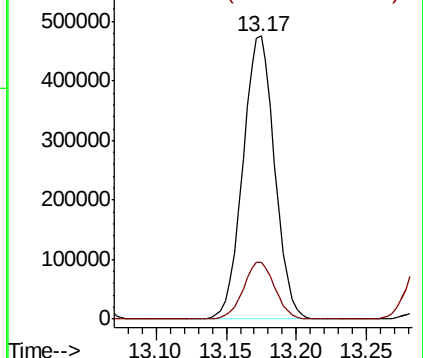
105 100

134 20.0 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: 21.04 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

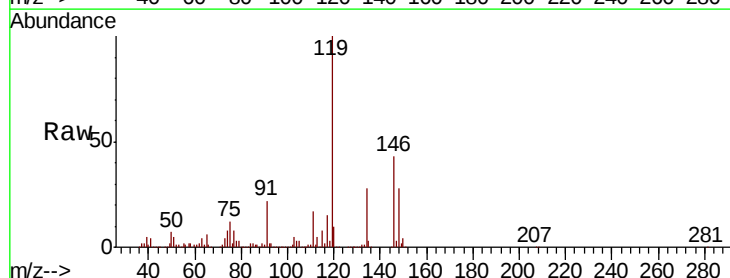
Tgt Ion:119 Resp: 639187

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

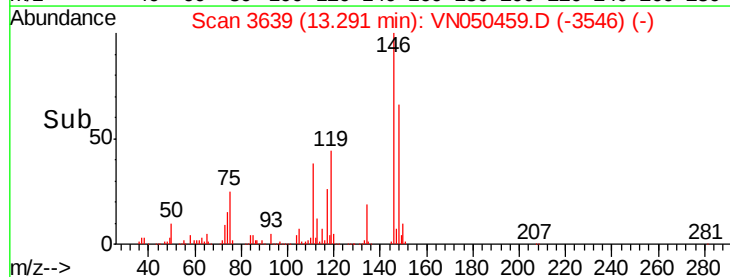
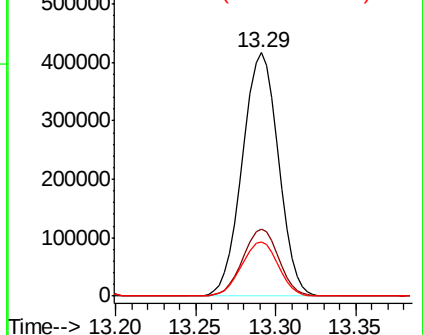
91 22.4 11.4 34.2

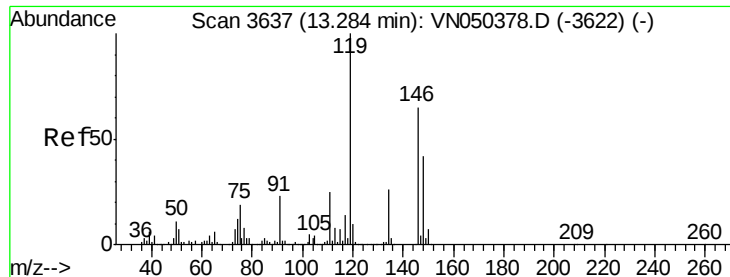


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.30 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

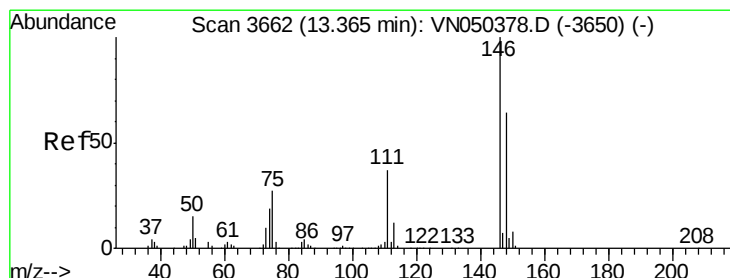
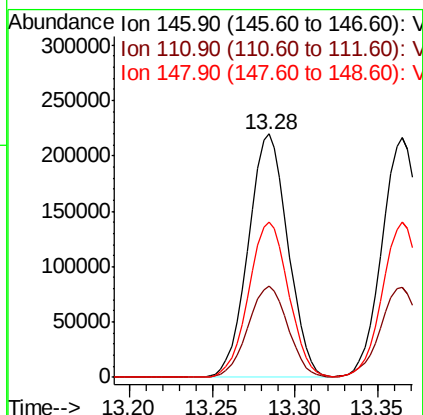
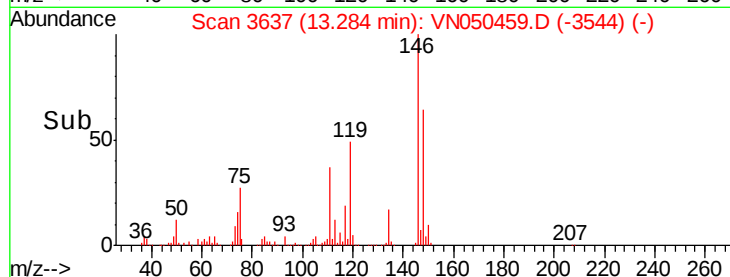
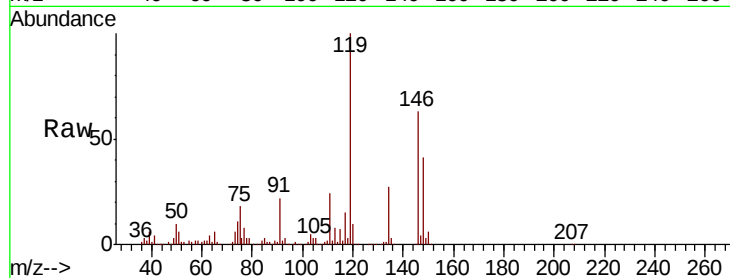
Tot Ion:146 Resp: 363936

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

148 64.3 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 19.95 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

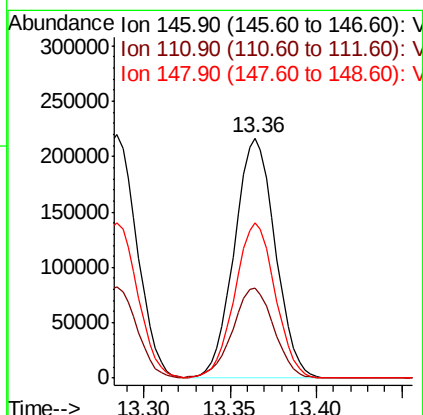
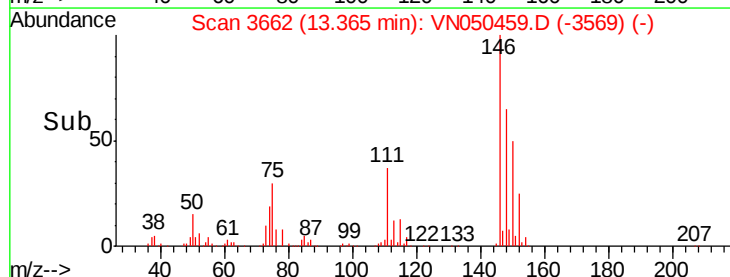
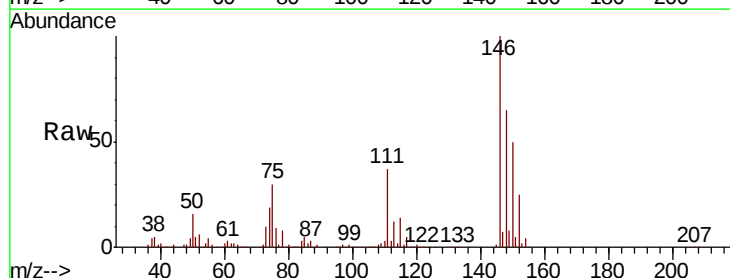
Tgt Ion:146 Resp: 357056

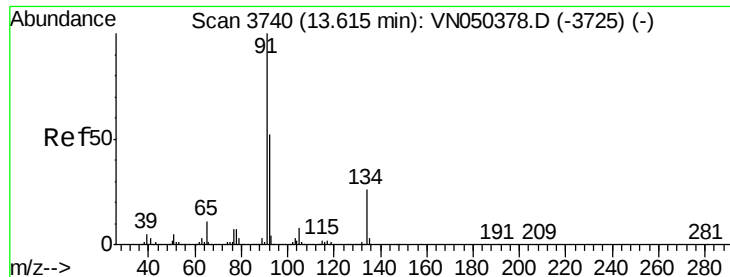
Ion Ratio Lower Upper

146 100

111 38.0 18.3 54.9

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 19.15 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

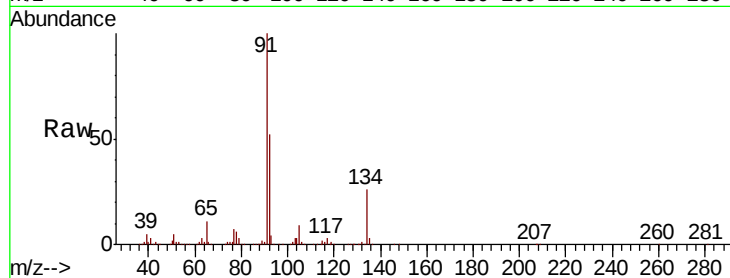
Tot Ion: 91 Resp: 495297

Ion Ratio Lower Upper

91 100

92 51.2 25.8 77.4

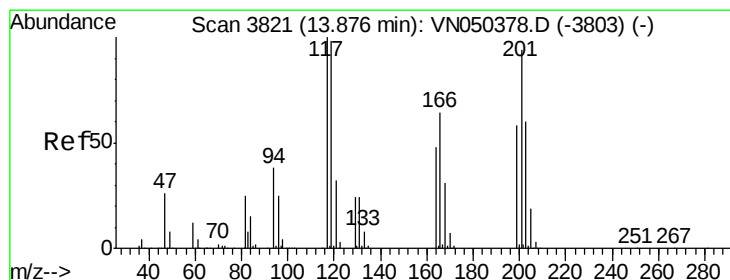
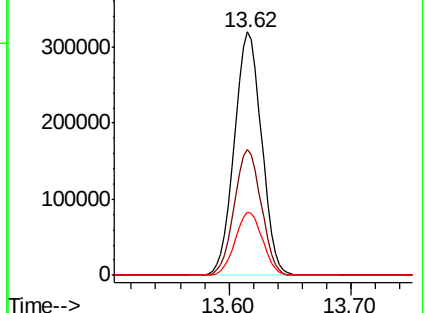
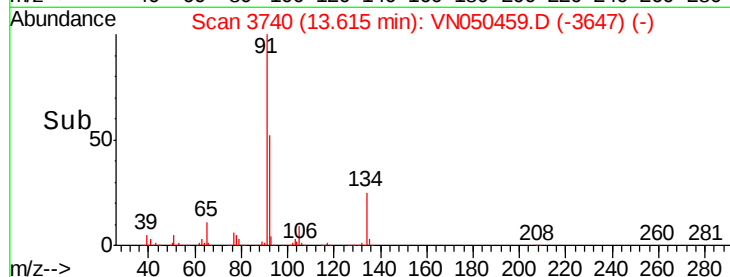
134 26.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.71 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050459.D

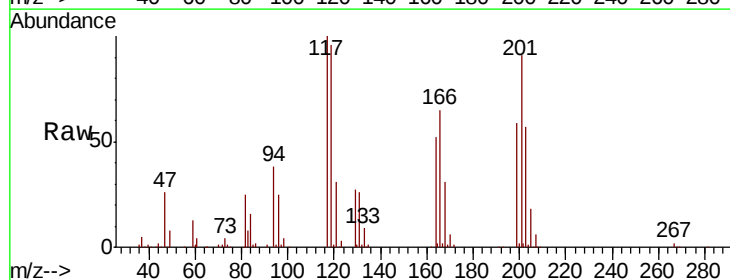
Acq: 8 Aug 2018 15:14

Tgt Ion: 117 Resp: 101088

Ion Ratio Lower Upper

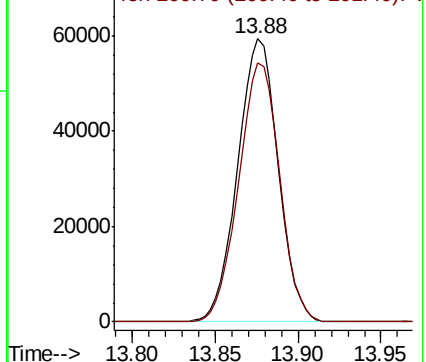
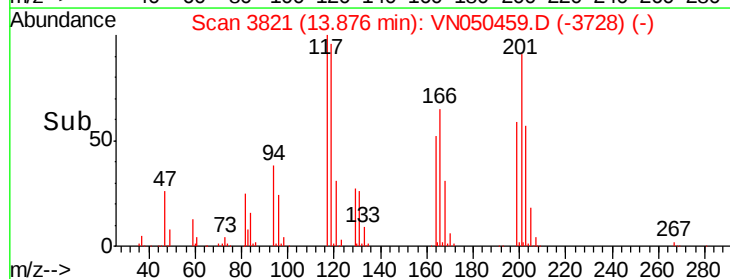
117 100

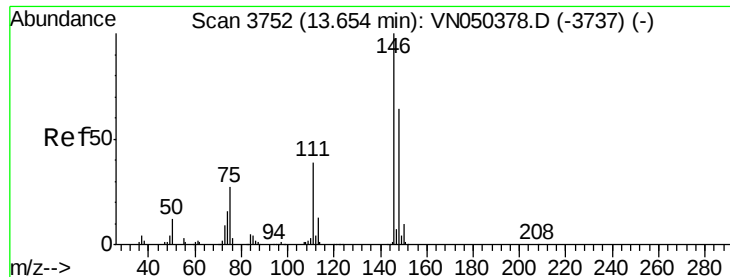
201 92.5 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.88 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

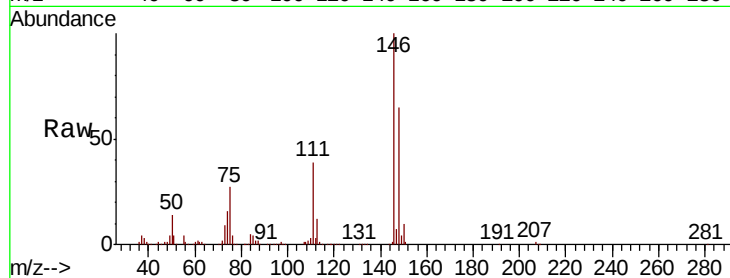
Tot Ion:146 Resp: 357189

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.7

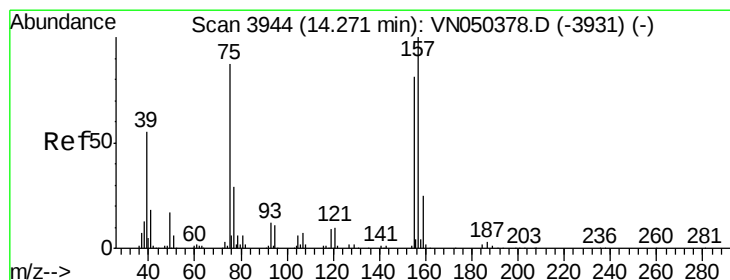
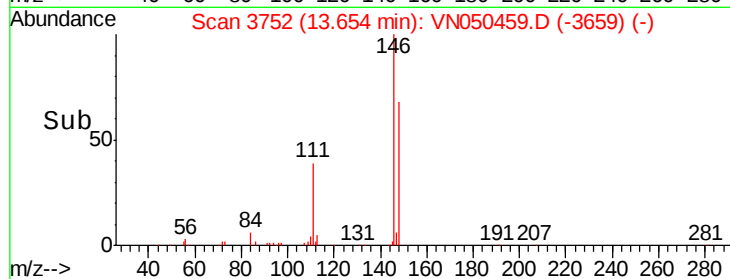
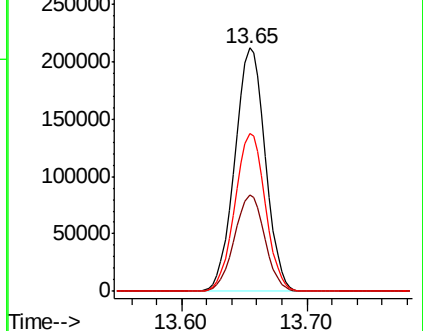
148 64.9 32.1 96.3



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: 15.50 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

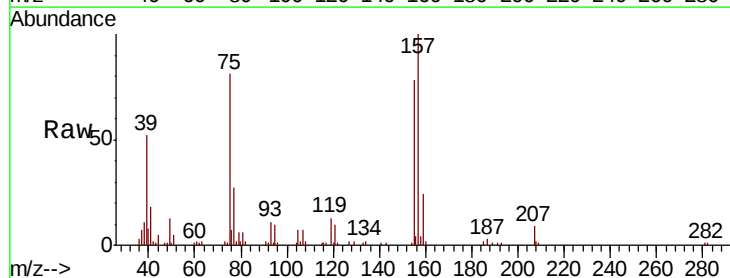
Tgt Ion: 75 Resp: 28530

Ion Ratio Lower Upper

75 100

155 96.6 44.8 134.4

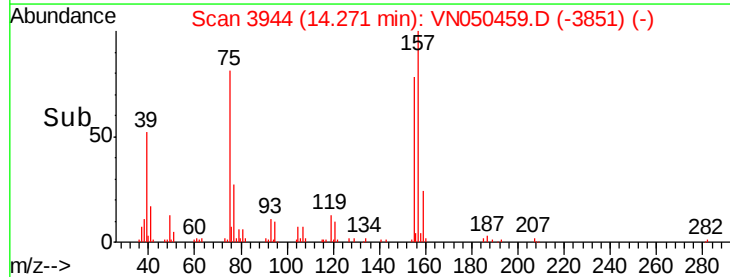
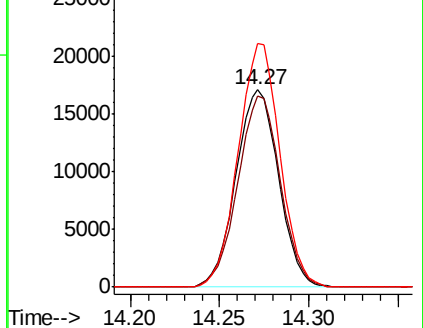
157 120.4 57.2 171.6

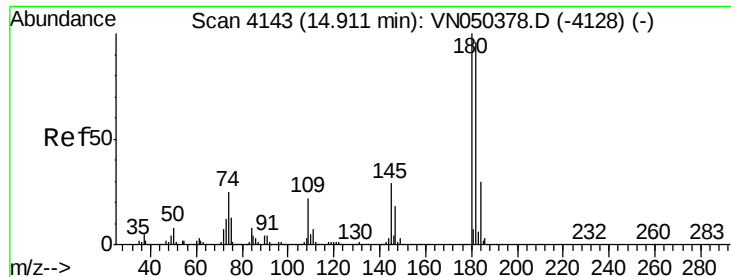


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

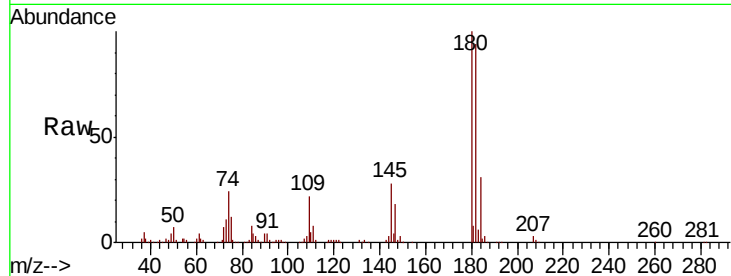




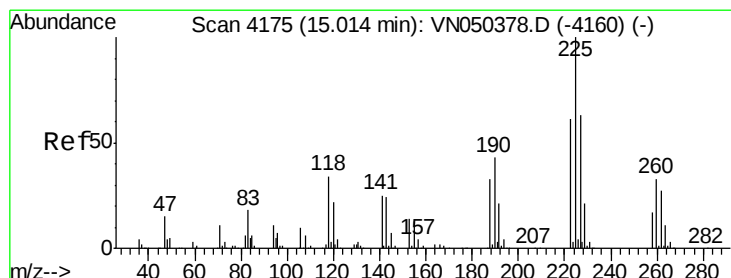
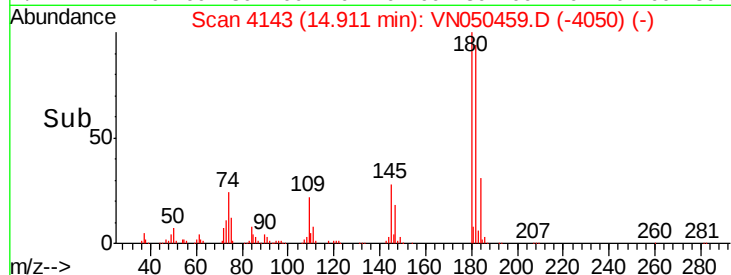
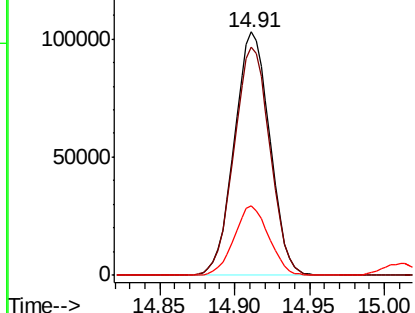
#93
 1,2,4-Trichlorobenzene
 Concen: 18.56 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion:180 Resp: 169851
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.7 140.1
 145 28.1 13.8 41.4

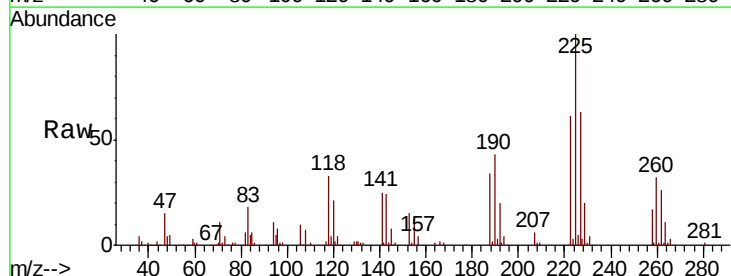


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

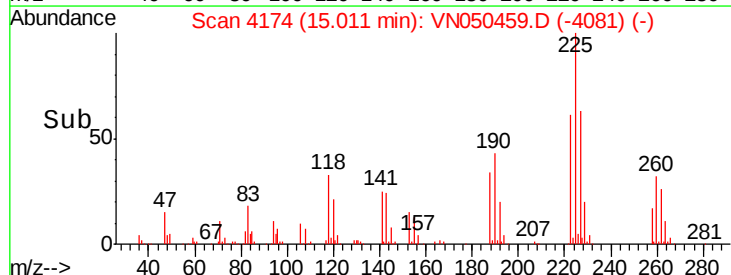
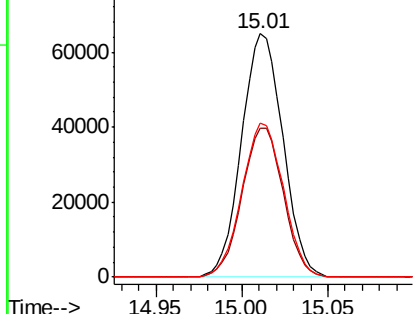


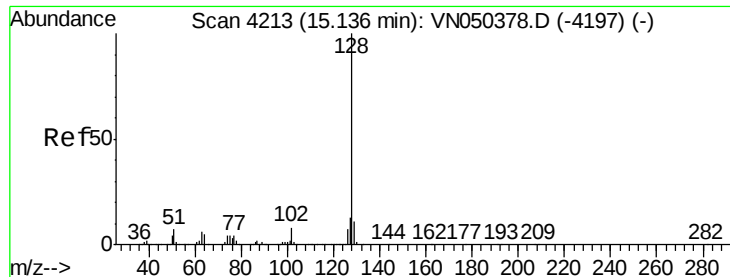
#94
 Hexachlorobutadiene
 Concen: 20.82 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050459.D
 Acq: 8 Aug 2018 15:14

Tgt Ion:225 Resp: 108876
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.4 94.2
 227 63.2 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: 17.46 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

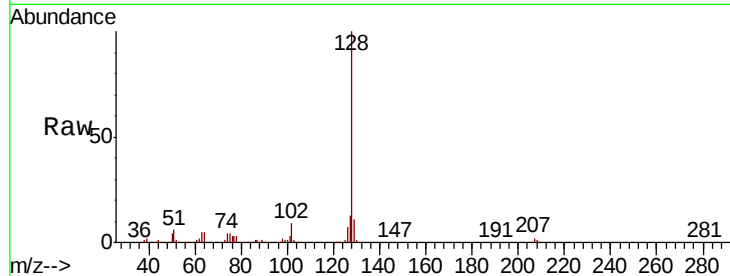
Tot Ion:128 Resp: 361612

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

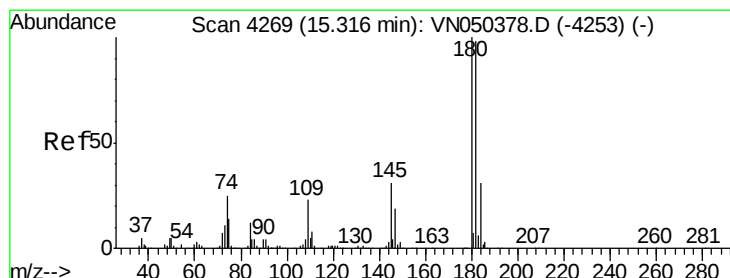
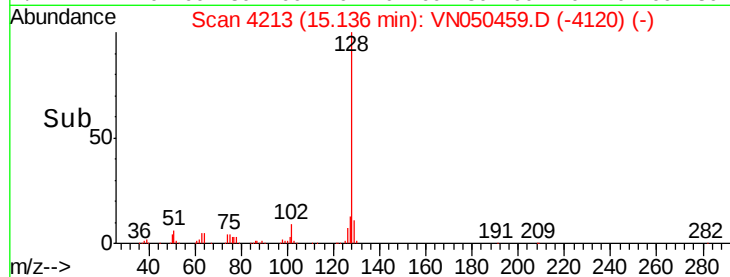
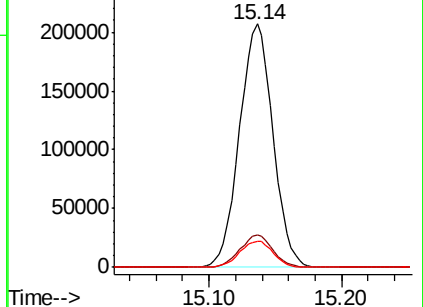
129 10.9 8.8 13.2



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: 17.93 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050459.D

Acq: 8 Aug 2018 15:14

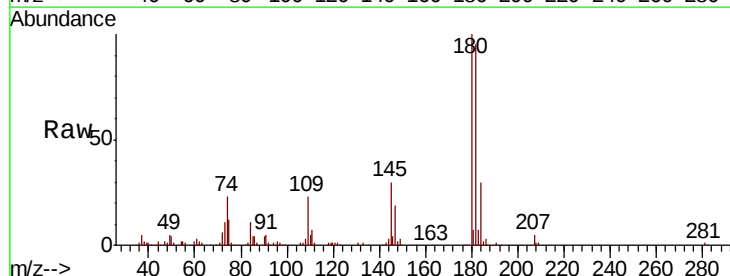
Tgt Ion:180 Resp: 165914

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

