

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050565.D
 Acq On : 13 Aug 2018 13:54
 Operator : MD\SY
 Sample : VN0813MBSD01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Quant Time: Aug 14 00:58:33 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	559063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	835432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	389758	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.59	113	358197	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	10.09	98	1283771	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	420525	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111441	17.96	ug/l	99
3) Chloromethane	2.06	50	155590	20.35	ug/l	99
4) Vinyl Chloride	2.18	62	151340	18.84	ug/l	98
5) Bromomethane	2.56	94	91156	23.50	ug/l	98
6) Chloroethane	2.70	64	97583	19.72	ug/l	100
7) Trichlorofluoromethane	3.01	101	202147	19.49	ug/l	98
8) Diethyl Ether	3.41	74	78775	20.71	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126713	19.76	ug/l	98
10) Methyl Iodide	3.95	142	73103	25.88	ug/l	99
11) Tert butyl alcohol	4.79	59	45458	75.76	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112899	18.68	ug/l	96
13) Acrolein	3.61	56	31352	52.77	ug/l	97
14) Allyl chloride	4.33	41	185191	19.08	ug/l	96
15) Acrylonitrile	4.99	53	238896	95.05	ug/l	98
16) Acetone	3.82	43	211819	94.86	ug/l	99
17) Carbon Disulfide	4.05	76	323649	16.47	ug/l	99
18) Methyl Acetate	4.33	43	124283	21.36	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347071	20.23	ug/l	99
20) Methylene Chloride	4.55	84	151518	21.35	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	126301	19.31	ug/l	96
22) Diisopropyl ether	5.96	45	439334	22.16	ug/l	99
23) Vinyl Acetate	5.90	43	1407637	99.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	252187	20.73	ug/l	99
25) 2-Butanone	6.84	43	326076	88.09	ug/l	97
26) 2,2-Dichloropropane	6.83	77	188060	18.75	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150191	20.72	ug/l	100
28) Bromochloromethane	7.20	49	117861	21.04	ug/l	100
29) Tetrahydrofuran	7.22	42	172976	87.31	ug/l	99
30) Chloroform	7.37	83	258613	21.26	ug/l	100
31) Cyclohexane	7.66	56	194956	17.80	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	206878	19.81	ug/l	100
36) 1,1-Dichloropropene	7.80	75	175829	19.15	ug/l	100
37) Ethyl Acetate	6.93	43	124301	18.80	ug/l	99
38) Carbon Tetrachloride	7.78	117	179137	18.71	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	174798	17.45	ug/l	100
40) Benzene	8.04	78	574147	20.34	ug/l	98
41) Methacrylonitrile	7.17	41	48526	13.81	ug/l	92
42) 1,2-Dichloroethane	8.13	62	188226	21.01	ug/l	100
43) Isopropyl Acetate	8.17	43	211007	18.49	ug/l	98
44) Trichloroethene	8.84	130	144684	19.08	ug/l	97
45) 1,2-Dichloropropane	9.12	63	157190	21.19	ug/l	96
46) Dibromomethane	9.21	93	93727	20.46	ug/l	98
47) Bromodichloromethane	9.40	83	198128	20.88	ug/l	100
48) Methyl methacrylate	9.20	41	102921	18.00	ug/l	98
49) 1,4-Dioxane	9.20	88	28007	317.68	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	753769	91.72	ug/l	100
52) Toluene	10.16	92	350022	20.65	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193530	20.31	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	221567	20.84	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	136492	20.62	ug/l	99
56) Ethyl methacrylate	10.43	69	156637	17.86	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225972	20.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	369254	89.48	ug/l	100
59) 2-Hexanone	10.75	43	485702	84.68	ug/l	100
60) Dibromochloromethane	10.90	129	146750	20.13	ug/l	97
61) 1,2-Dibromoethane	11.01	107	130284	19.97	ug/l	97
64) Tetrachloroethene	10.63	164	135205	18.75	ug/l	99
65) Chlorobenzene	11.44	112	384167	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146228	20.77	ug/l	99
67) Ethyl Benzene	11.51	91	608259	19.45	ug/l	99
68) m/p-Xylenes	11.62	106	481118	40.42	ug/l	100
69) o-Xylene	11.95	106	232257	20.25	ug/l	99
70) Styrene	11.97	104	381094	20.44	ug/l	99
71) Bromoform	12.13	173	99568	19.35	ug/l #	99
73) Isopropylbenzene	12.25	105	599171	21.00	ug/l	100
74) N-amyl acetate	12.07	43	169479	18.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	168176	20.43	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193292	28.09	ug/l #	100
77) Bromobenzene	12.53	156	162415	21.25	ug/l	99
78) n-propylbenzene	12.59	91	672256	20.81	ug/l	99
79) 2-Chlorotoluene	12.68	91	421532	21.13	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	497015	21.46	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37943	19.37	ug/l	97
82) 4-Chlorotoluene	12.77	91	426347	21.43	ug/l	99
83) tert-Butylbenzene	12.99	119	408797	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	508603	21.67	ug/l	100
85) sec-Butylbenzene	13.17	105	548893	20.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	465655	20.17	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	276427	20.30	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	264355	19.44	ug/l	98
89) n-Butylbenzene	13.62	91	353598	17.99	ug/l	100
90) Hexachloroethane	13.88	117	83581	20.36	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270138	19.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22966	16.43	ug/l	97

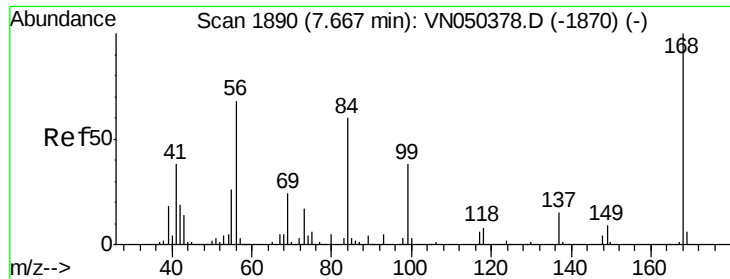
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
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Quant Time: Aug 14 00:58:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116021	16.69	ug/l	98
94) Hexachlorobutadiene	15.01	225	77511	19.41	ug/l	99
95) Naphthalene	15.13	128	234992	15.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114410	16.28	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: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

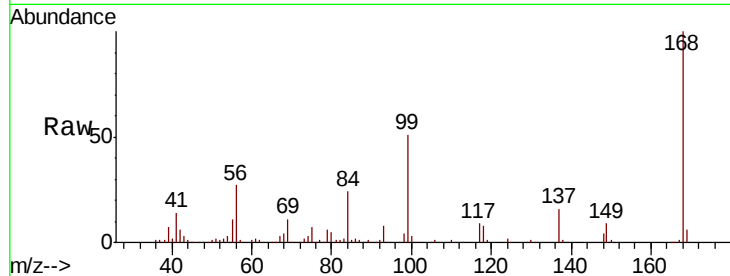
VN0813MBSD01

Tot Ion:168 Resp: 559063

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

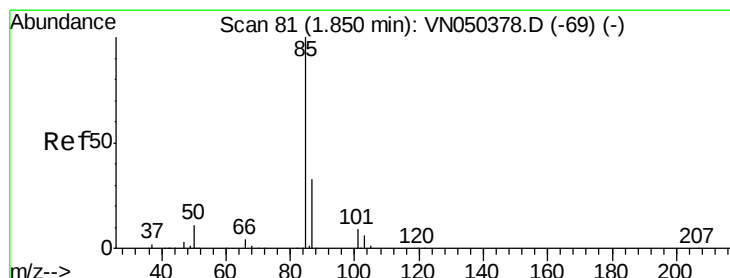
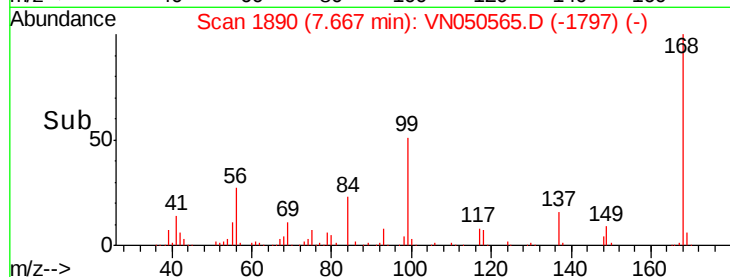
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050565.D

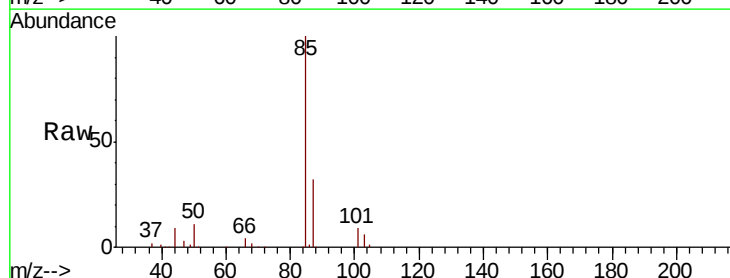
Acq: 13 Aug 2018 13:54

Tgt Ion: 85 Resp: 111441

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

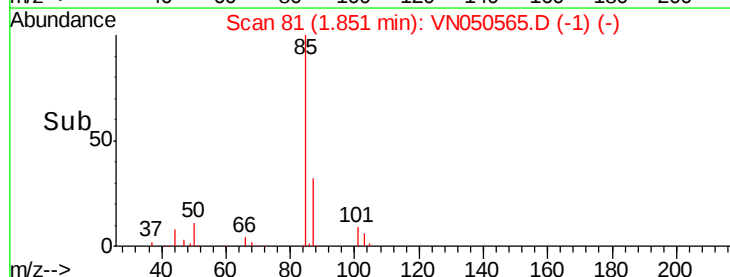
40000

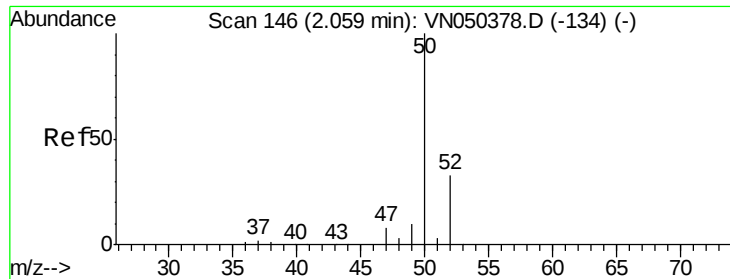
20000

0

1.80 1.85 1.90

Time-->

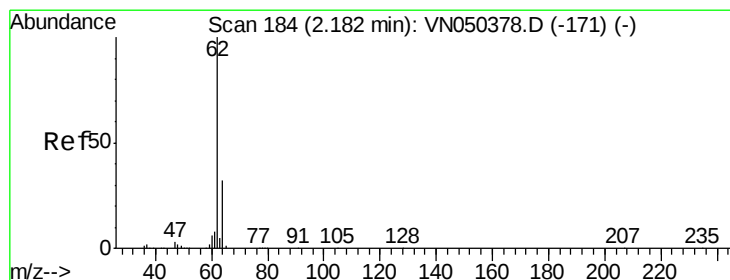
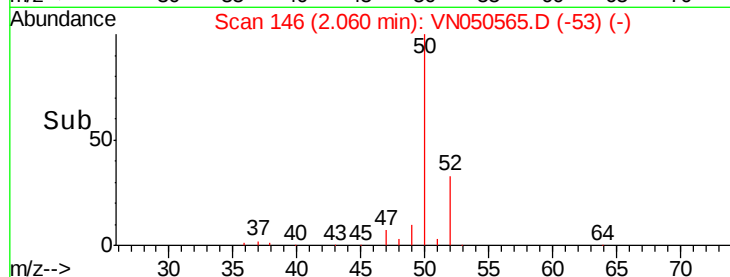
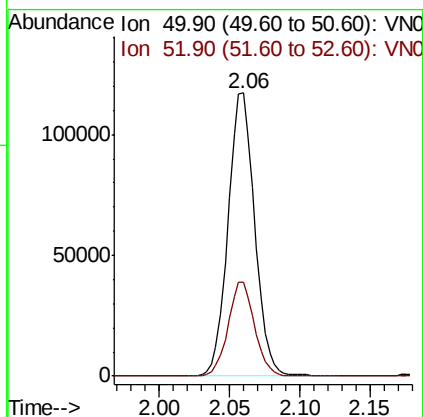
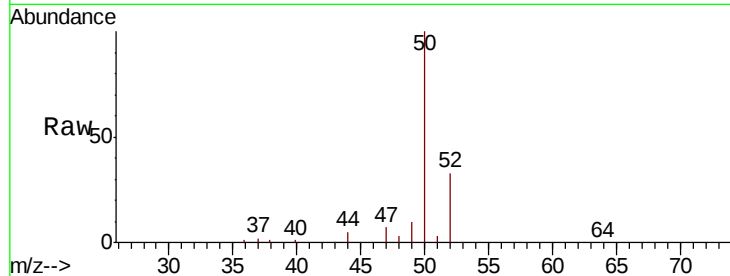




#3
Chloromethane
Concen: 20.35 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

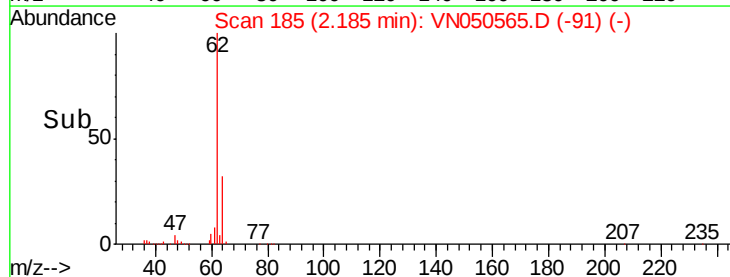
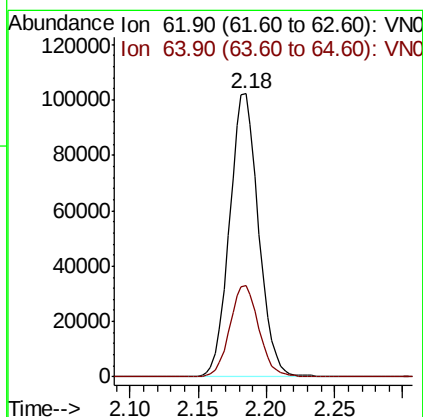
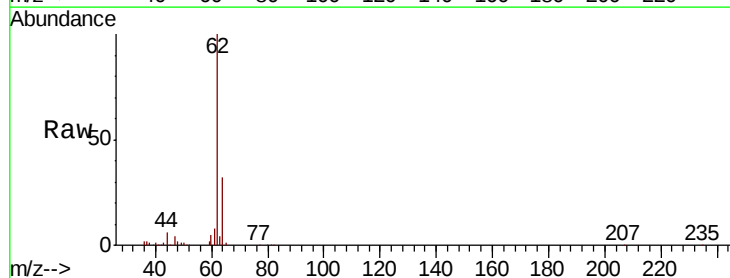
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

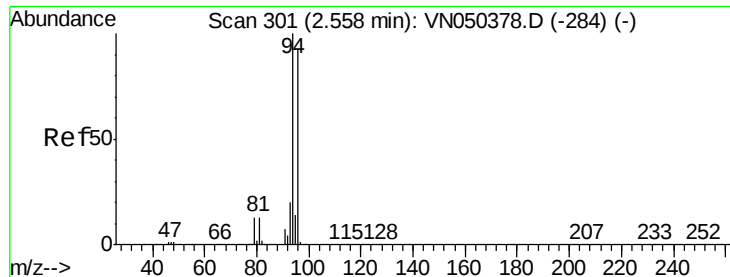
Tot Ion: 50 Resp: 155590
Ion Ratio Lower Upper
50 100
52 33.2 25.9 38.9



#4
Vinyl Chloride
Concen: 18.84 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 62 Resp: 151340
Ion Ratio Lower Upper
62 100
64 32.2 24.7 37.1





#5

Bromomethane

Concen: 23.50 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

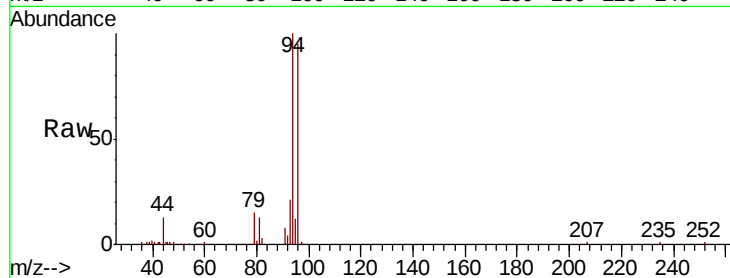
VN0813MBSD01

Tot Ion: 94 Resp: 91156

Ion Ratio Lower Upper

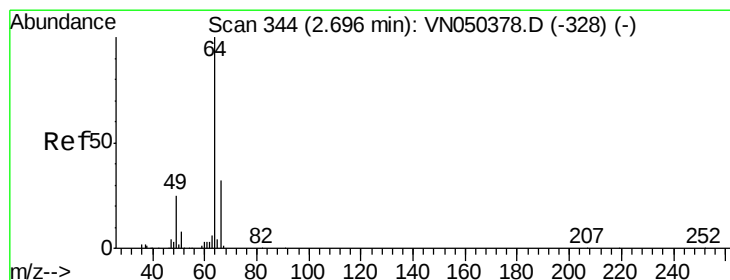
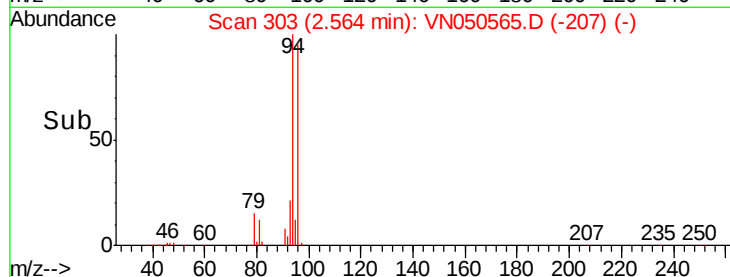
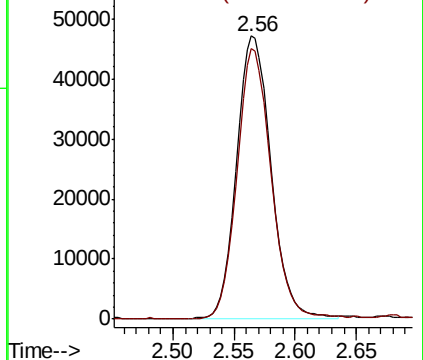
94 100

96 95.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.72 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050565.D

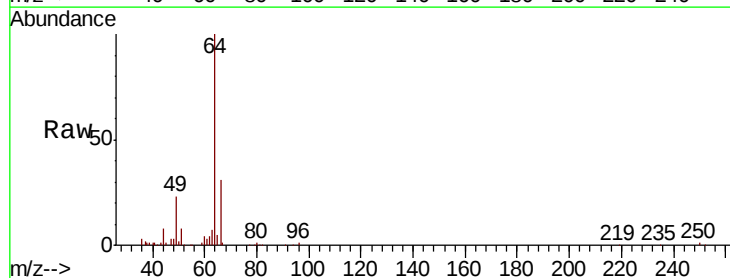
Acq: 13 Aug 2018 13:54

Tgt Ion: 64 Resp: 97583

Ion Ratio Lower Upper

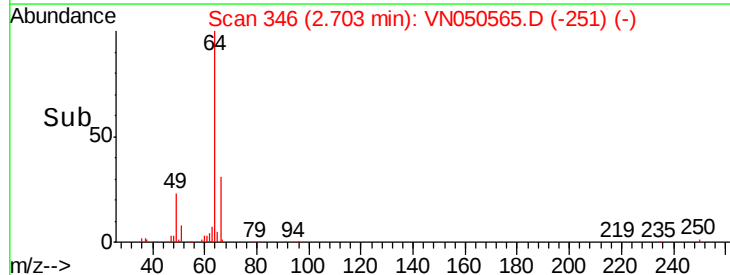
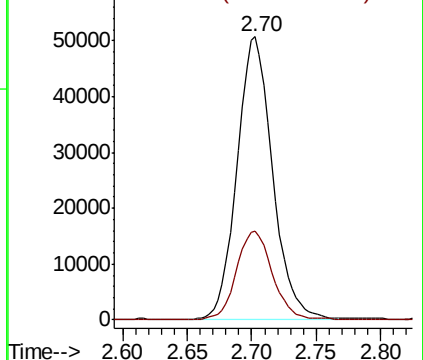
64 100

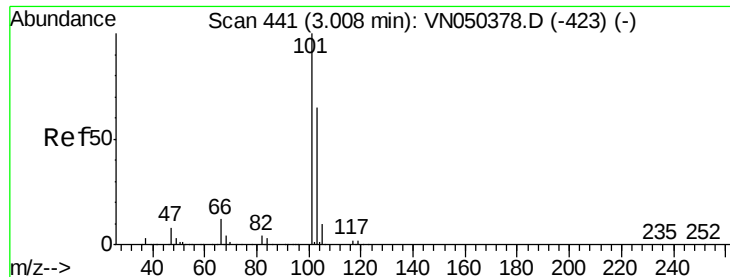
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



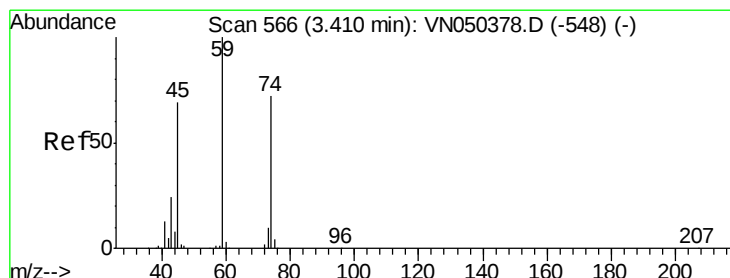
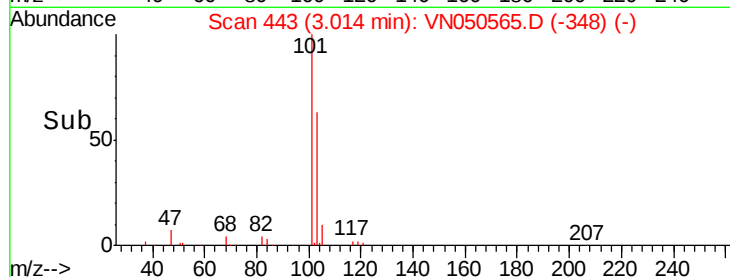
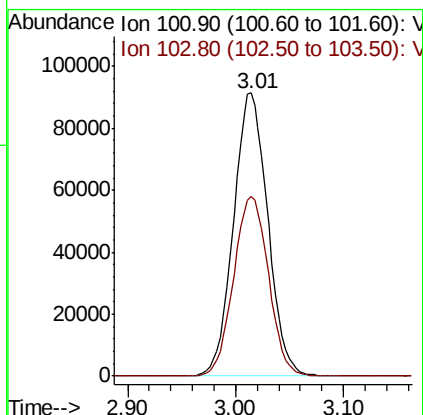
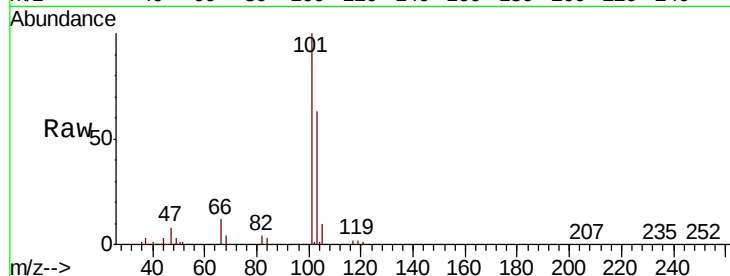


#7

Trichlorofluoromethane
 Concen: 19.49 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

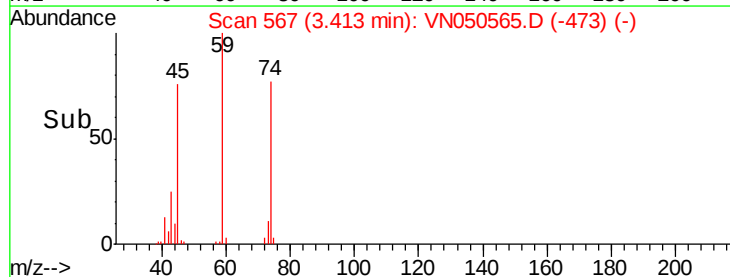
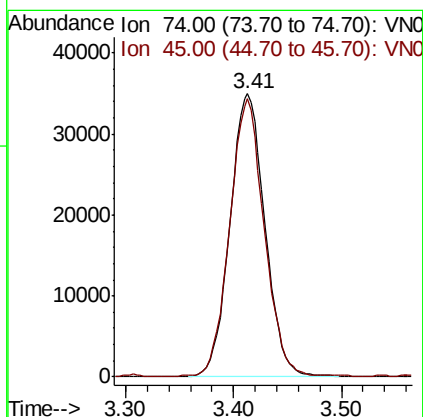
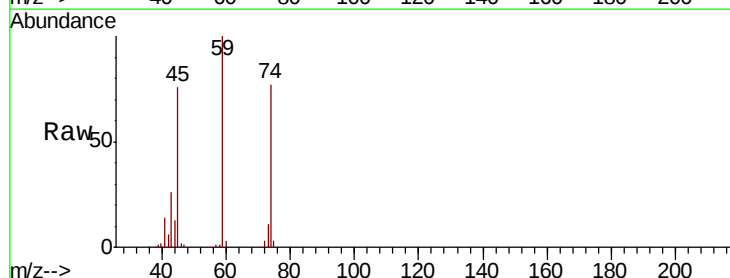
Tot Ion:101 Resp: 202147
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.7 77.5

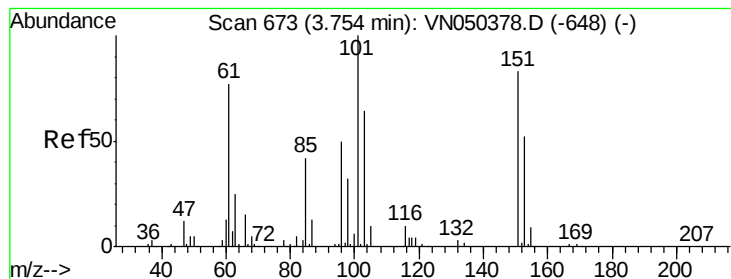


#8

Diethyl Ether
 Concen: 20.71 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 74 Resp: 78775
 Ion Ratio Lower Upper
 74 100
 45 97.6 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.76 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

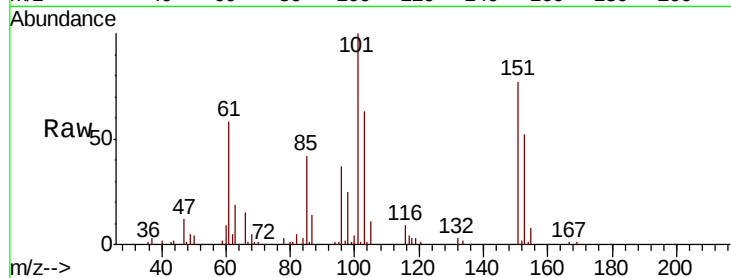
Tot Ion:101 Resp: 126713

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

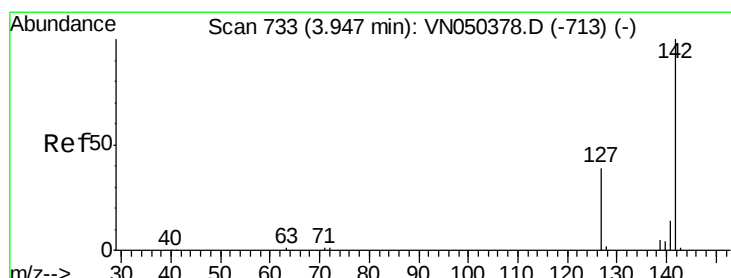
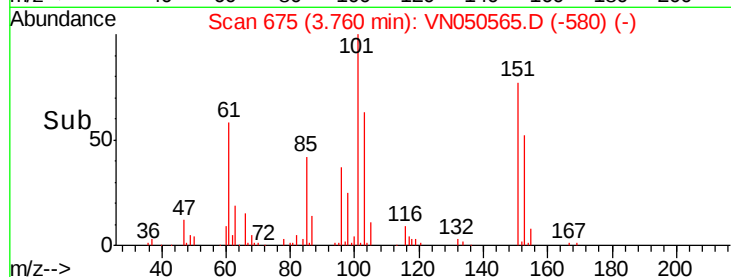
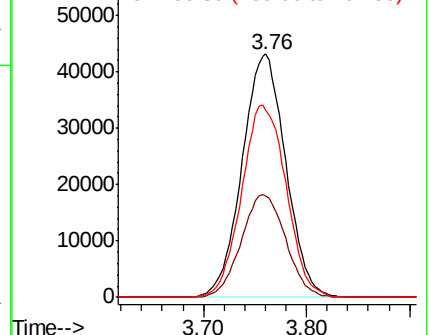
151 80.8 66.3 99.5



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: 25.88 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

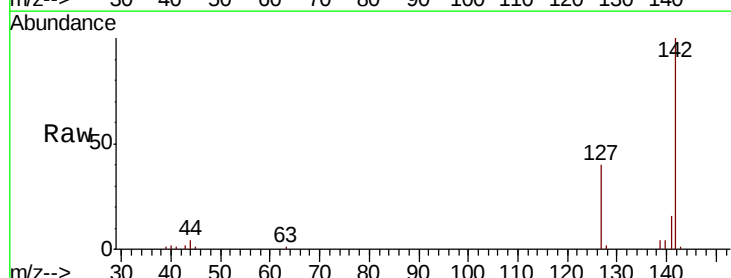
Tgt Ion:142 Resp: 73103

Ion Ratio Lower Upper

142 100

127 40.9 33.4 50.2

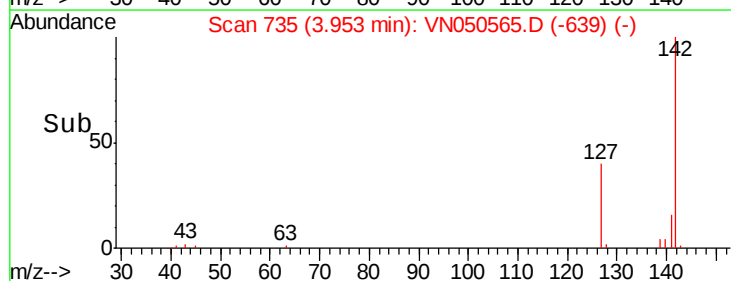
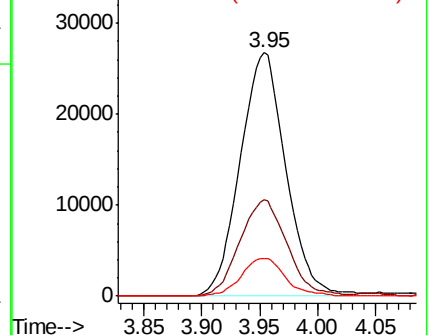
141 15.0 11.6 17.4

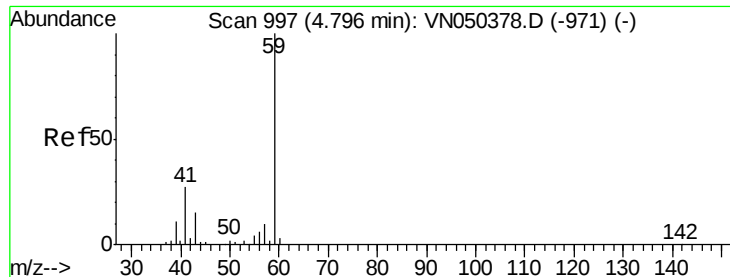


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

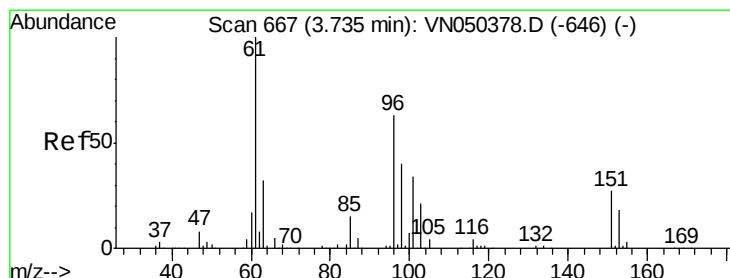
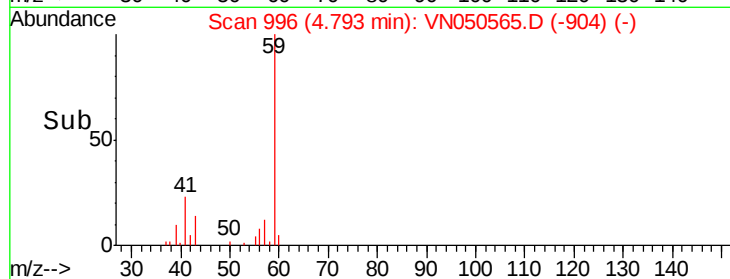
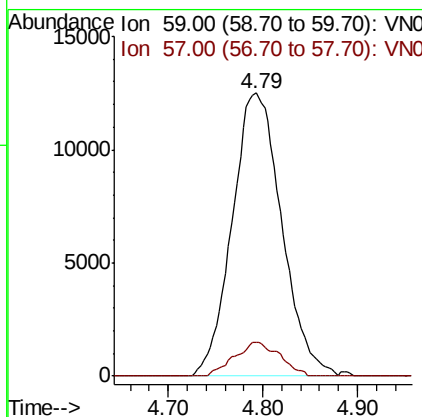
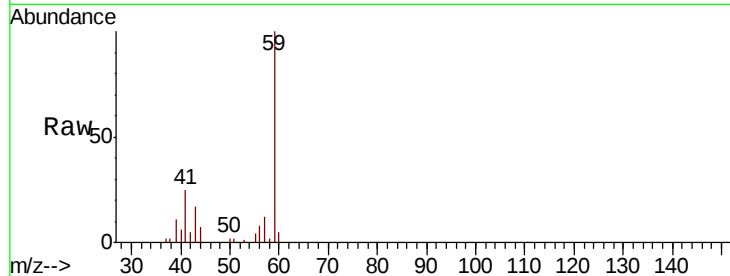




#11
Tert butyl alcohol
Concen: 75.76 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

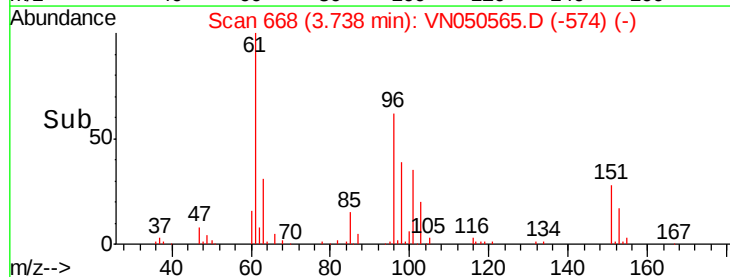
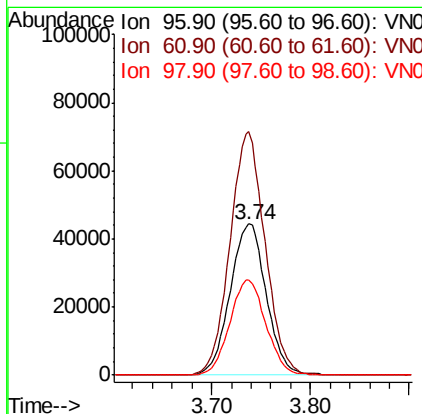
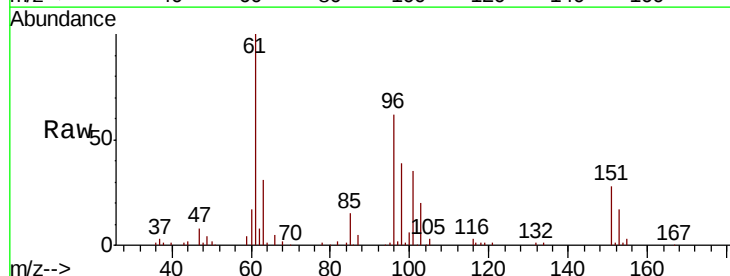
Instrument :
MSVOA_N
ClientSampleID :
VN0813MBSD01

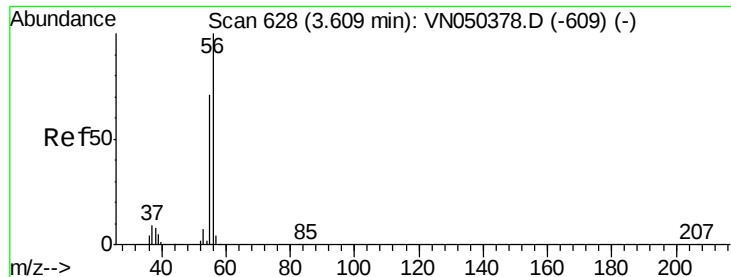
Tot Ion: 59 Resp: 45458
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.68 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 96 Resp: 112899
Ion Ratio Lower Upper
96 100
61 161.3 124.4 186.6
98 62.8 48.3 72.5





#13

Acrolein

Concen: 52.77 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

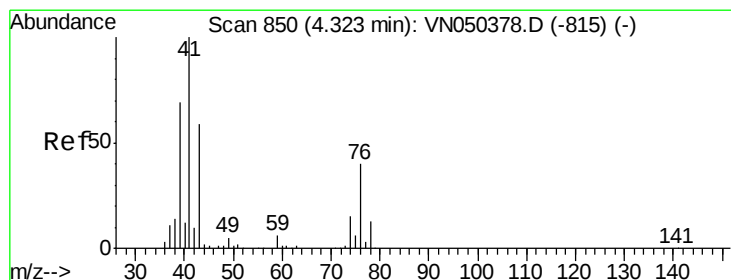
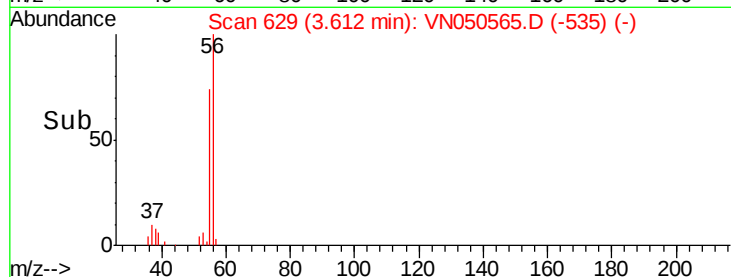
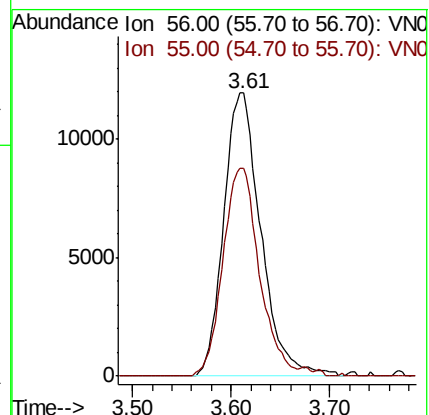
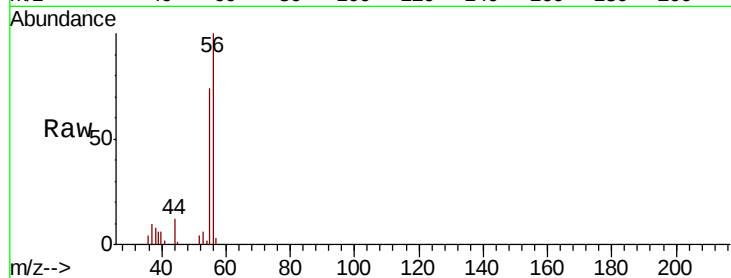
VN0813MBSD01

Tot Ion: 56 Resp: 31352

Ion Ratio Lower Upper

56 100

55 71.9 55.8 83.6



#14

Allyl chloride

Concen: 19.08 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

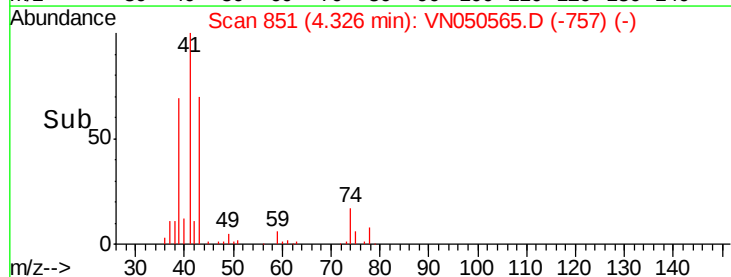
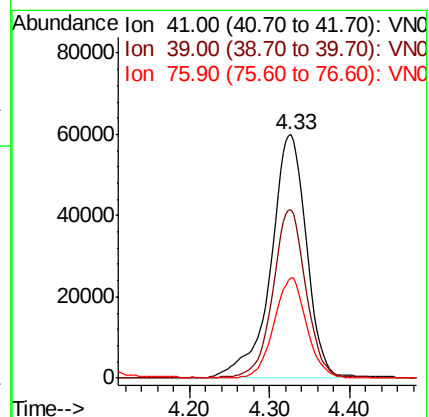
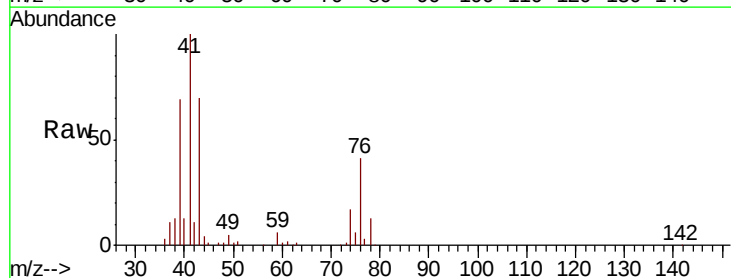
Tgt Ion: 41 Resp: 185191

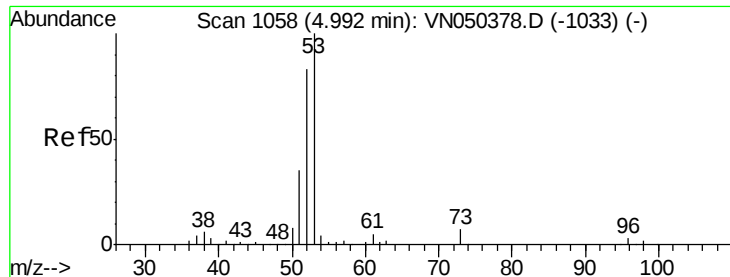
Ion Ratio Lower Upper

41 100

39 64.6 54.2 81.4

76 37.9 29.0 43.6





#15

Acrylonitrile

Concen: 95.05 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

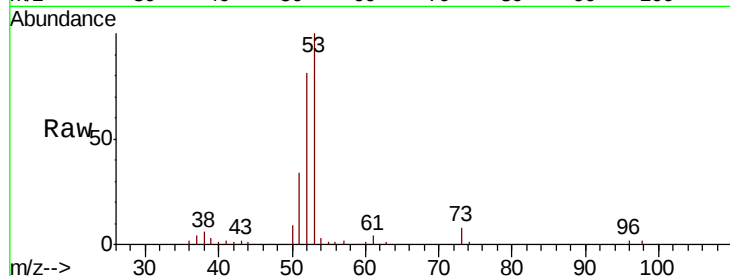
Tot Ion: 53 Resp: 238896

Ion Ratio Lower Upper

53 100

52 80.7 66.2 99.2

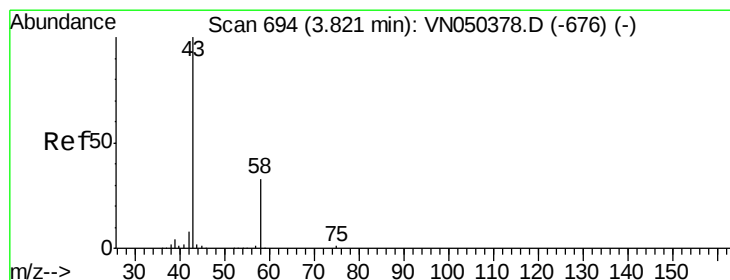
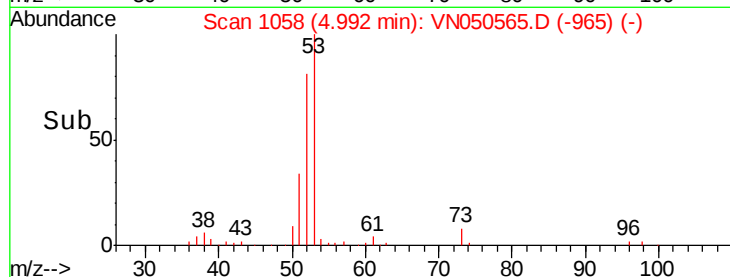
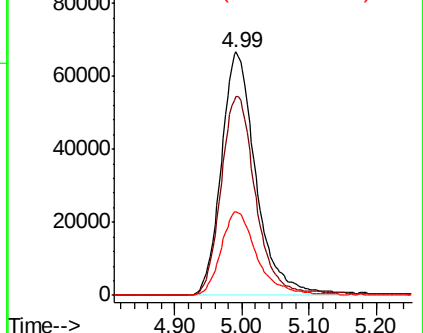
51 35.9 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.86 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050565.D

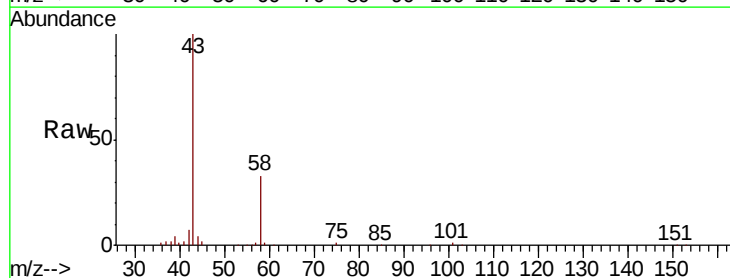
Acq: 13 Aug 2018 13:54

Tgt Ion: 43 Resp: 211819

Ion Ratio Lower Upper

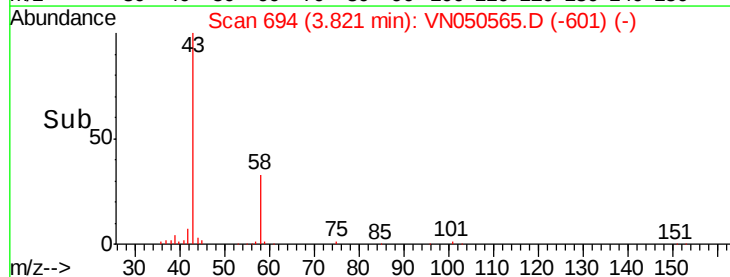
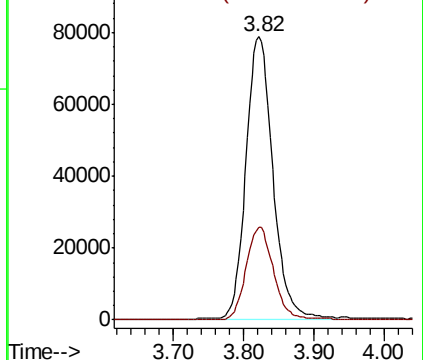
43 100

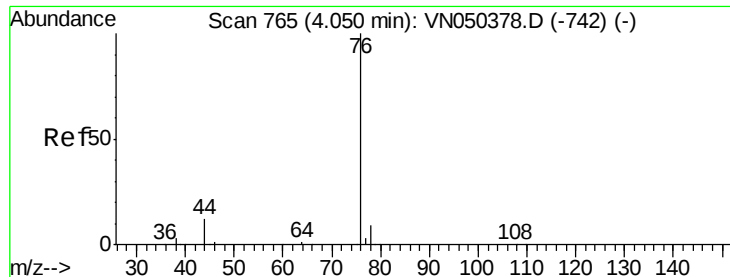
58 32.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

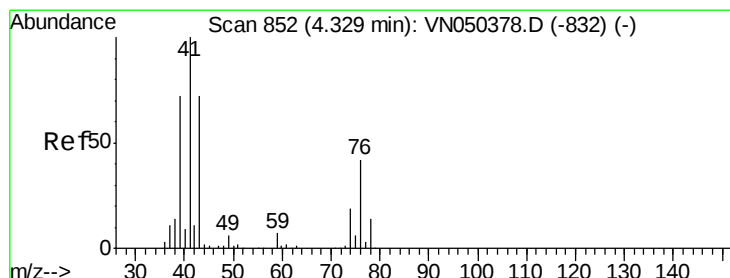
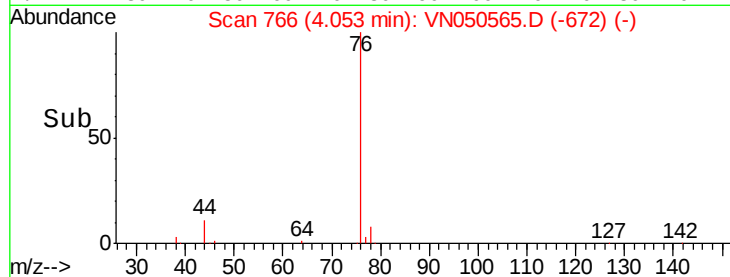
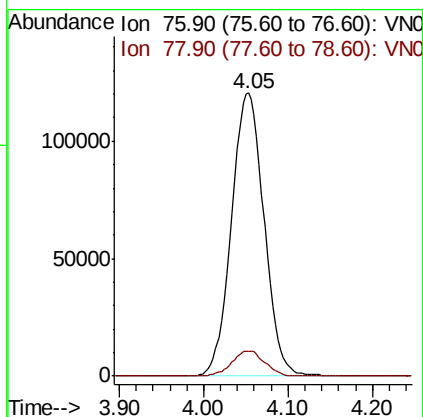
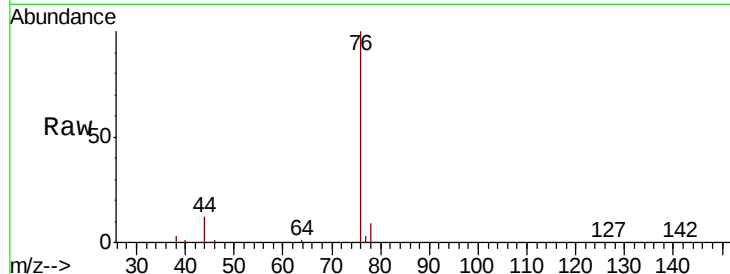




#17
Carbon Disulfide
Concen: 16.47 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

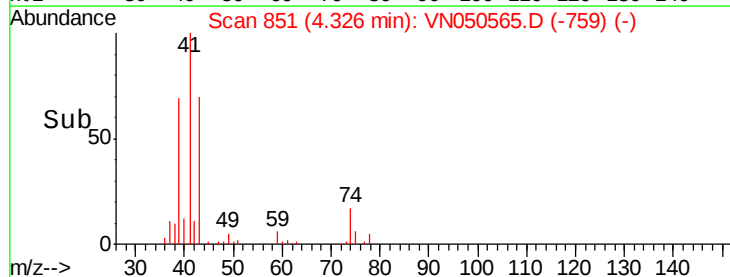
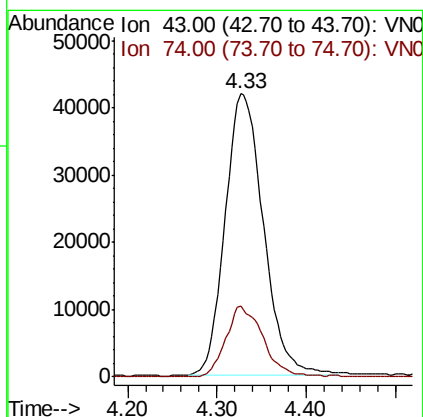
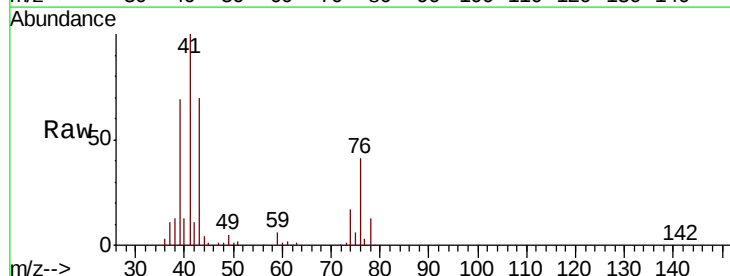
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

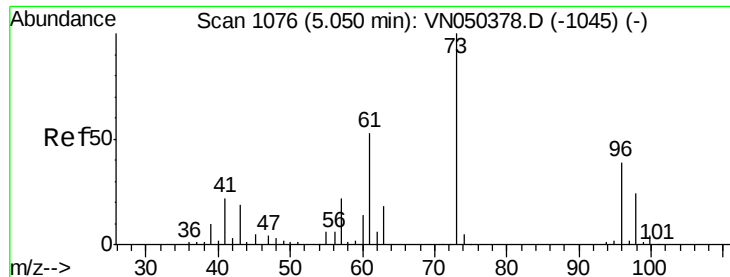
Tot Ion: 76 Resp: 323649
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 21.36 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 43 Resp: 124283
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 20.23 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

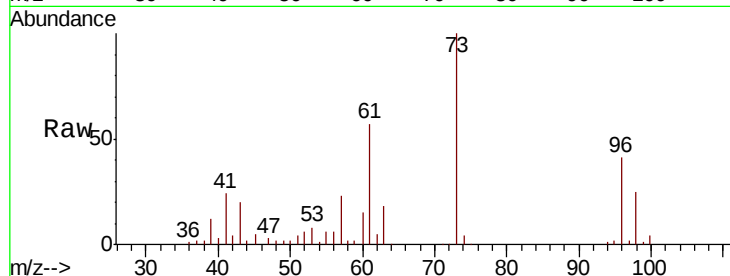
VN0813MBSD01

Tot Ion: 73 Resp: 347071

Ion Ratio Lower Upper

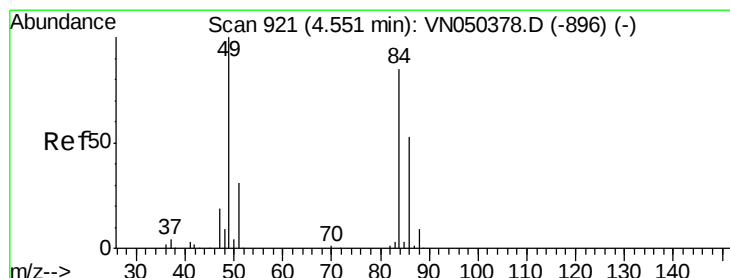
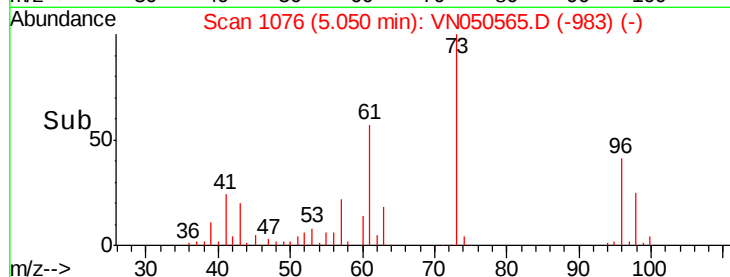
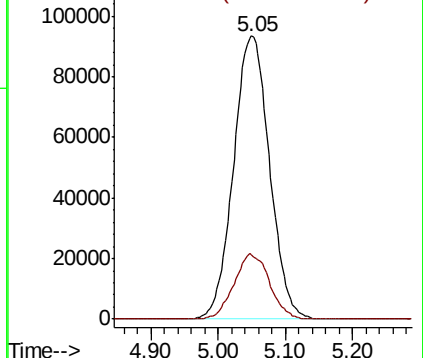
73 100

57 22.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 21.35 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion: 84 Resp: 151518

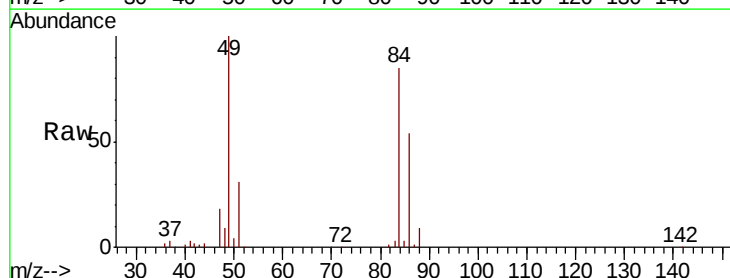
Ion Ratio Lower Upper

84 100

49 118.3 94.8 142.2

51 36.2 28.3 42.5

86 64.0 51.0 76.6

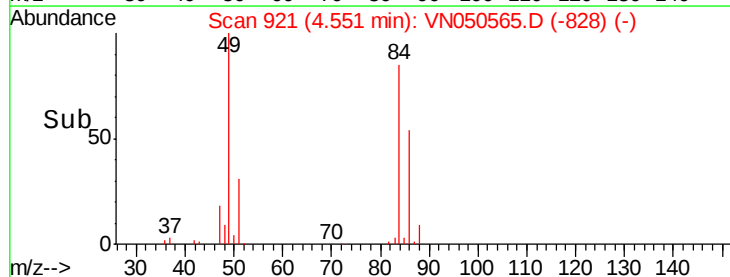
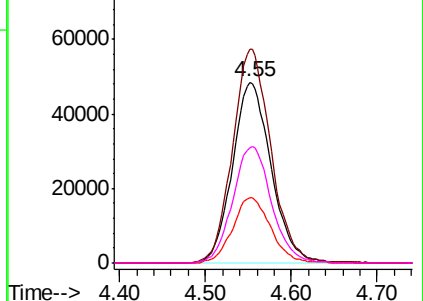


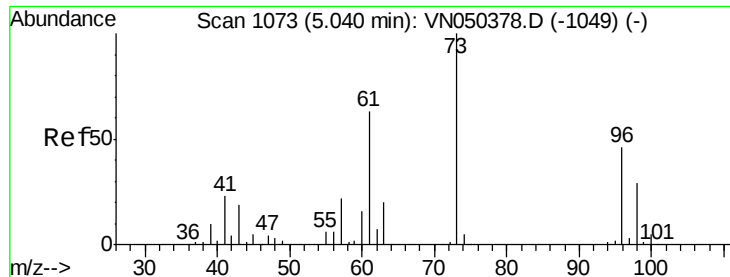
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.31 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0813MBSD01

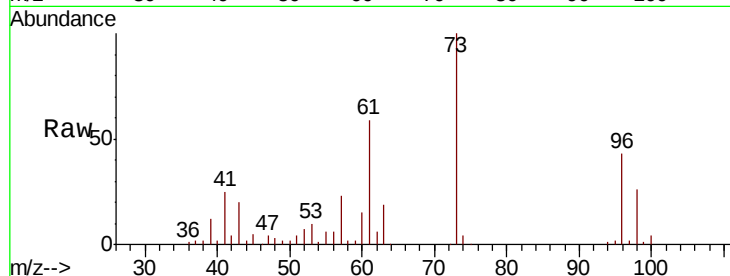
Tot Ion: 96 Resp: 126301

Ion Ratio Lower Upper

96 100

61 136.1 110.7 166.1

98 59.0 51.6 77.4

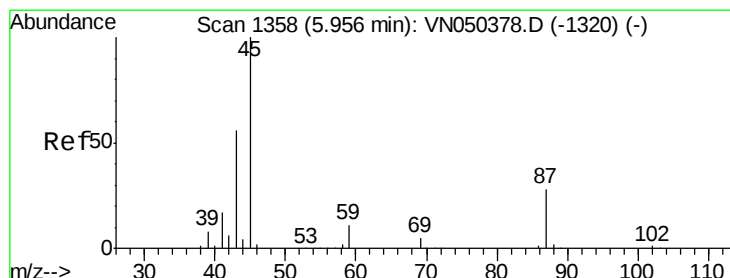
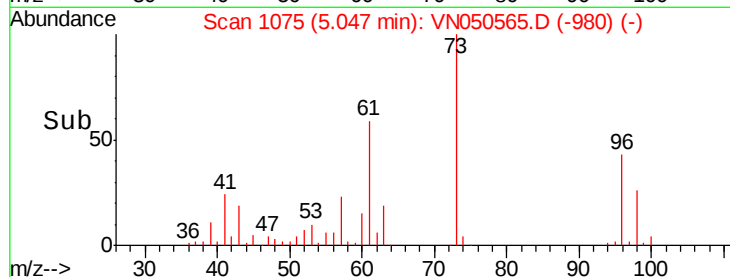
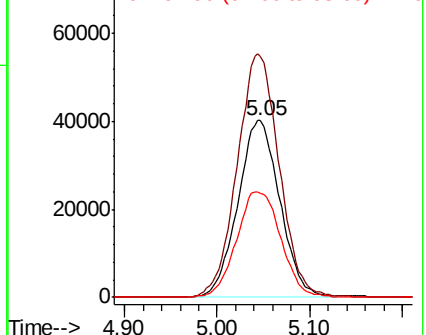


Abundance

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: 22.16 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion: 45 Resp: 439334

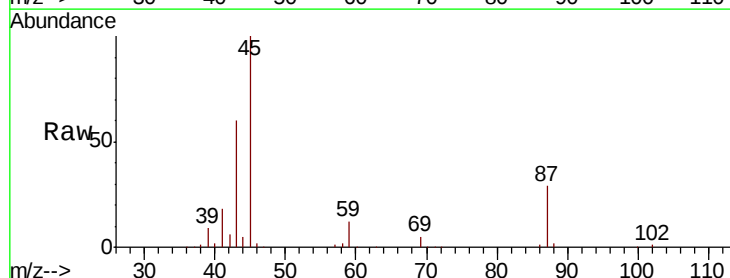
Ion Ratio Lower Upper

45 100

43 58.7 45.7 68.5

87 28.4 22.7 34.1

59 11.8 9.5 14.3



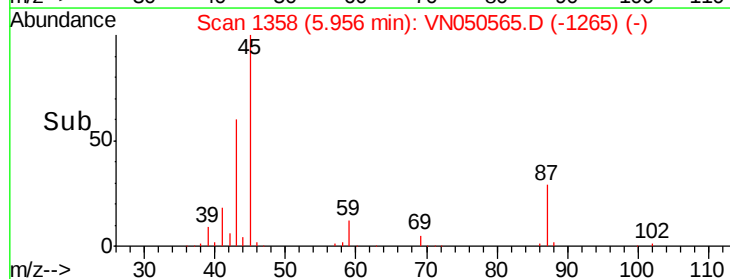
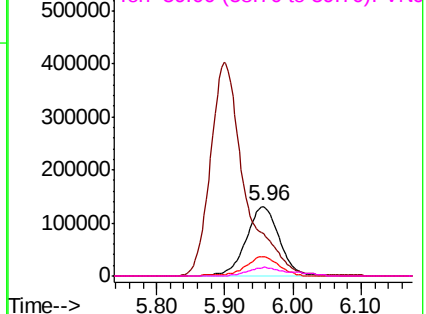
Abundance

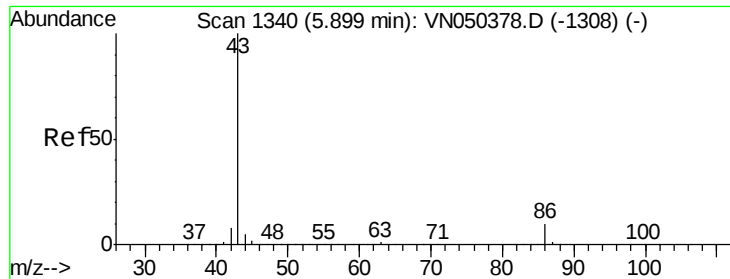
Ion 45.00 (44.70 to 45.70): VN0

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

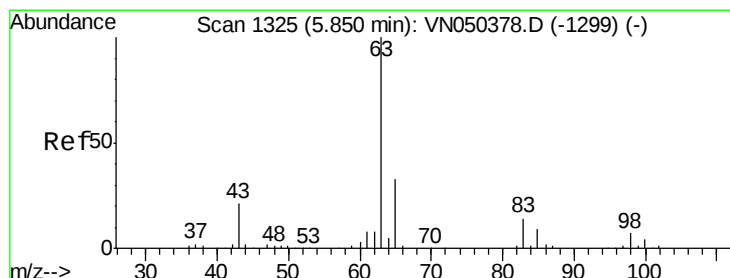
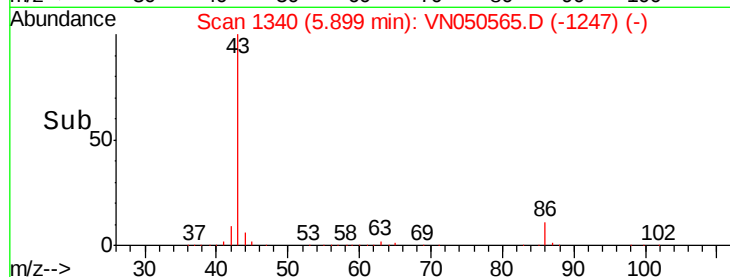
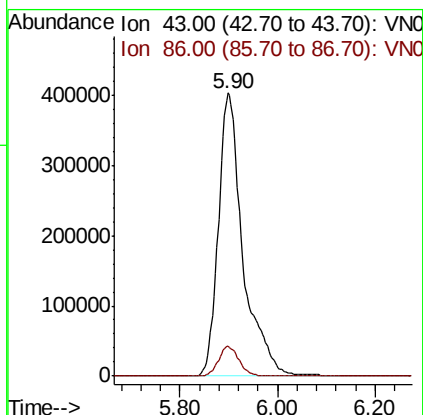
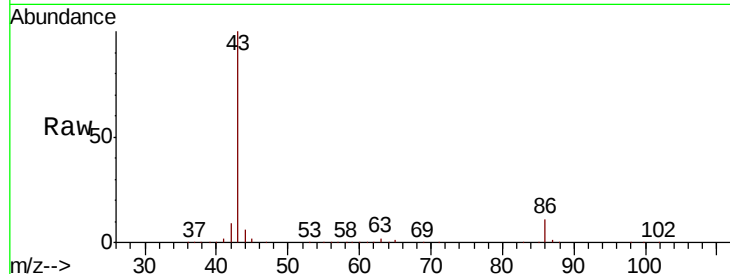




#23
 Vinyl Acetate
 Concen: 99.50 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

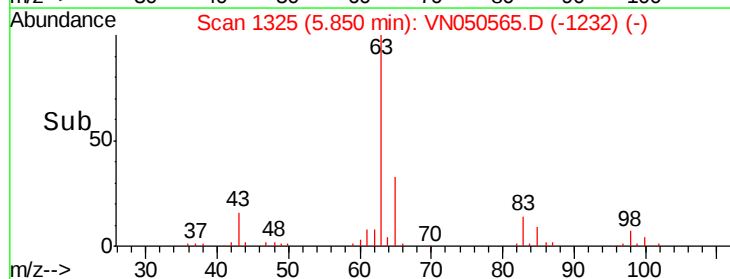
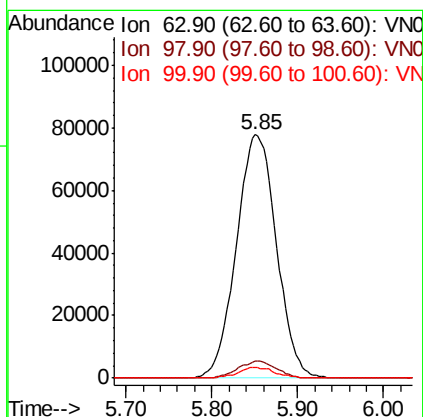
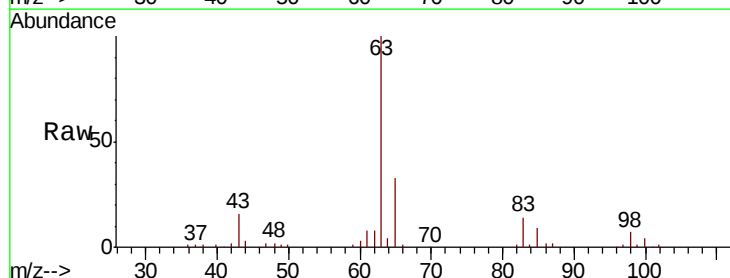
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813MBSD01

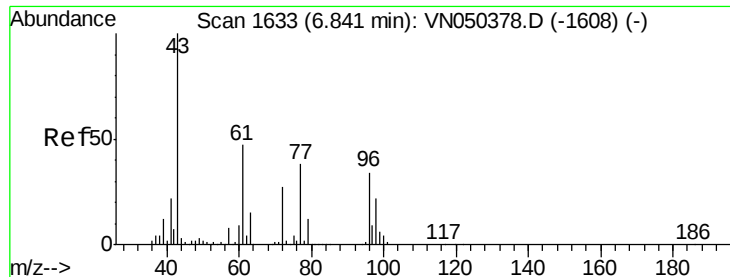
Tot Ion: 43 Resp: 1407637
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.73 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 63 Resp: 252187
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 88.09 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

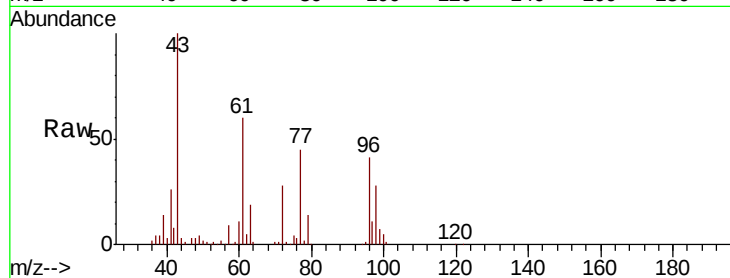
VN0813MBSD01

Tot Ion: 43 Resp: 326076

Ion Ratio Lower Upper

43 100

72 28.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

120000

100000

80000

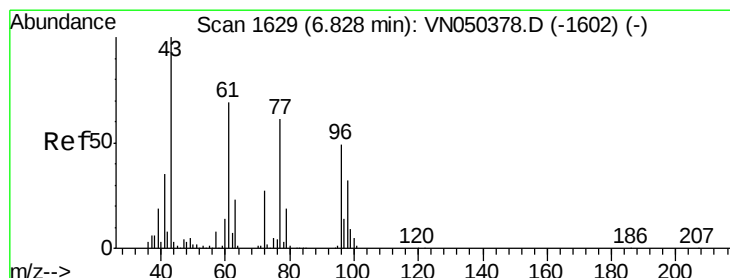
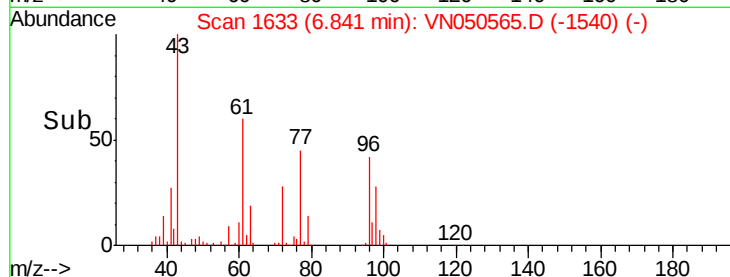
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 18.75 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050565.D

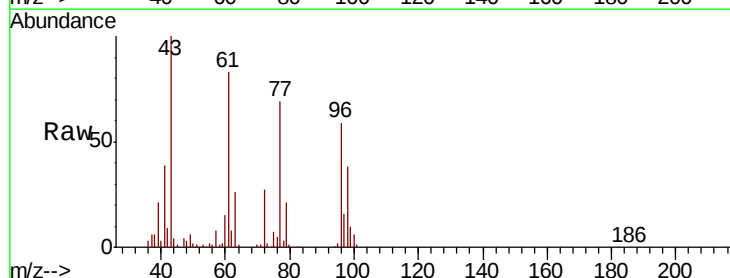
Acq: 13 Aug 2018 13:54

Tgt Ion: 77 Resp: 188060

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

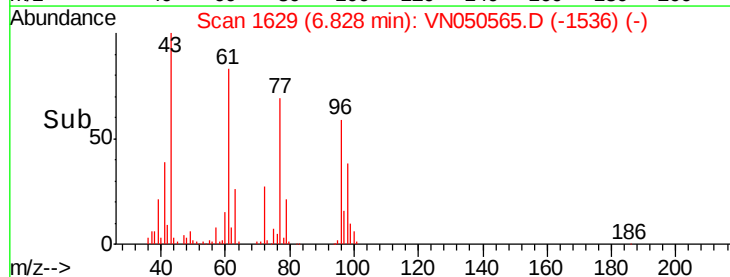
60000

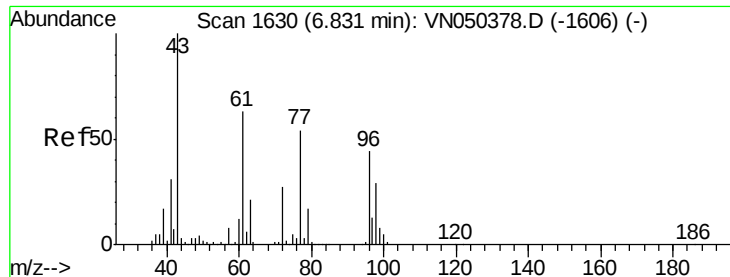
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.72 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

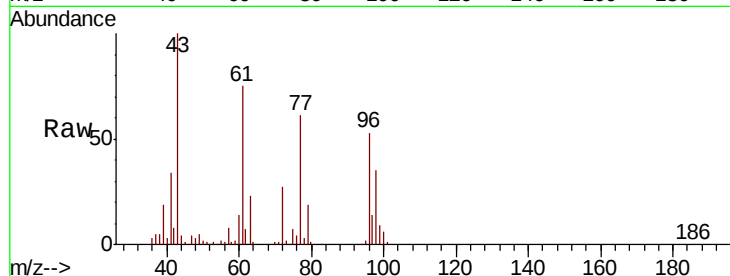
Tot Ion: 96 Resp: 150191

Ion Ratio Lower Upper

96 100

61 142.7 0.0 285.0

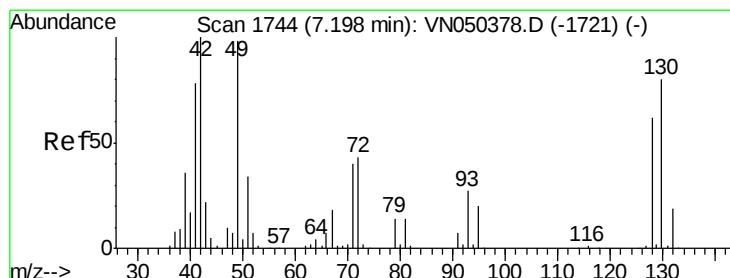
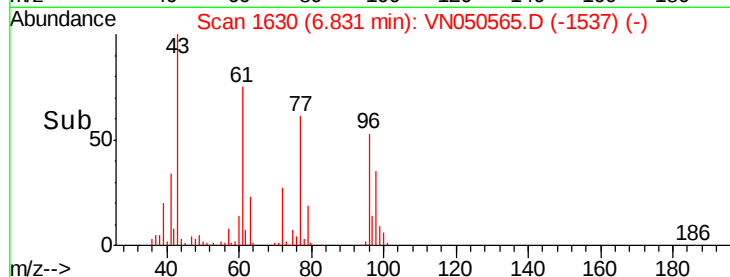
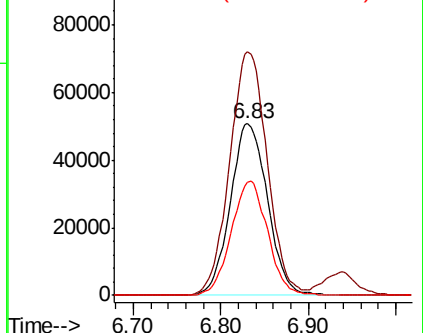
98 65.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.04 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

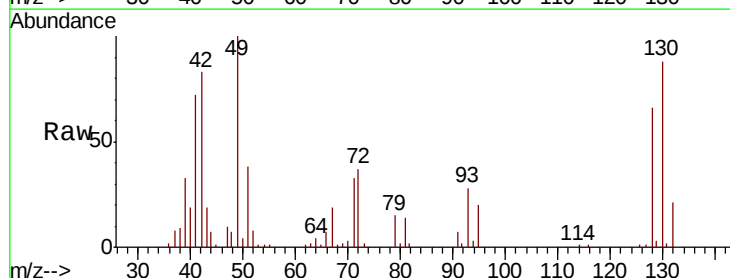
Tgt Ion: 49 Resp: 117861

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

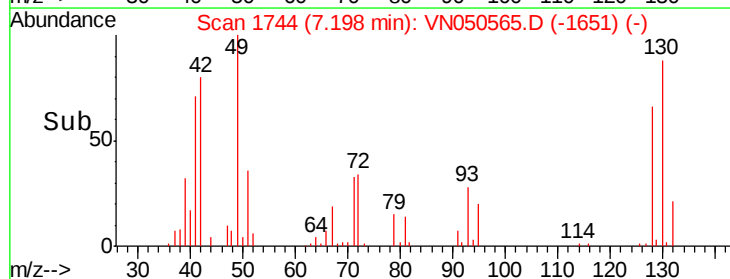
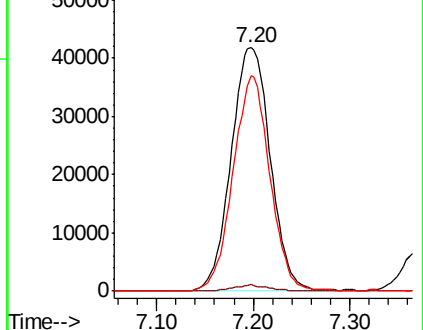
130 82.9 66.3 99.5

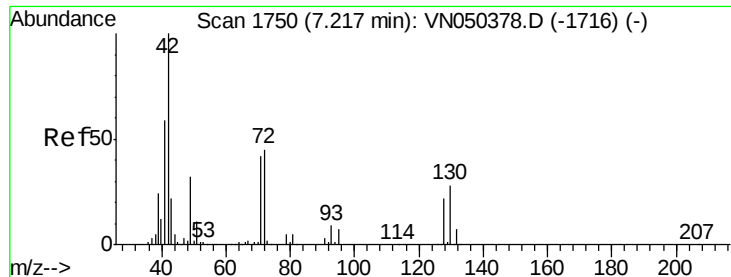


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 87.31 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

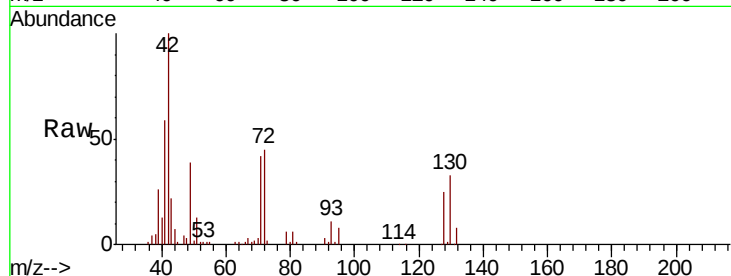
Tot Ion: 42 Resp: 172976

Ion Ratio Lower Upper

42 100

72 44.3 35.9 53.9

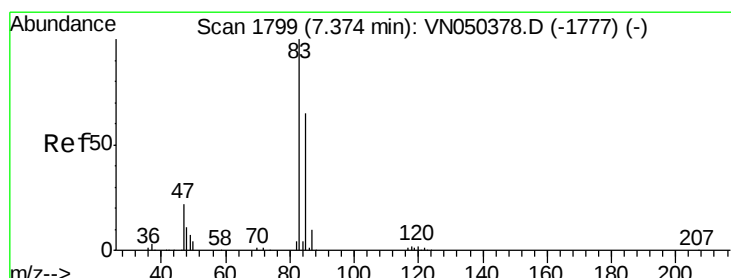
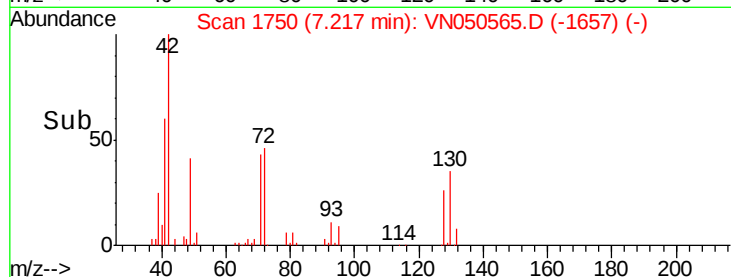
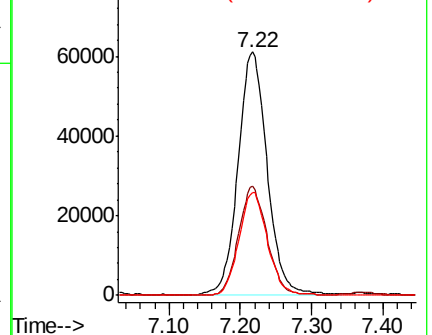
71 41.4 33.7 50.5



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: 21.26 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050565.D

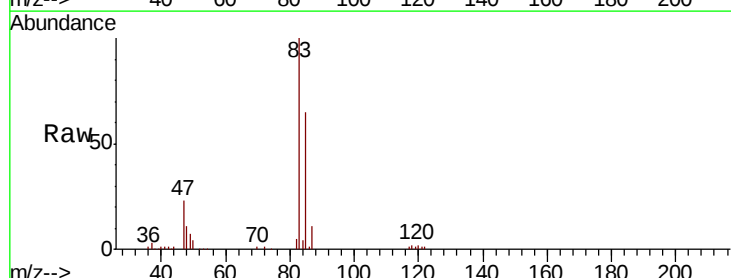
Acq: 13 Aug 2018 13:54

Tgt Ion: 83 Resp: 258613

Ion Ratio Lower Upper

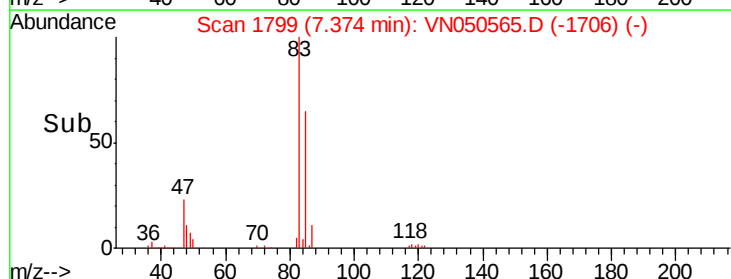
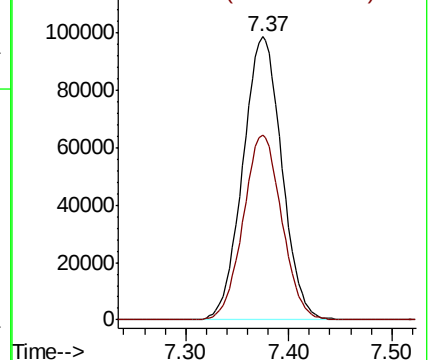
83 100

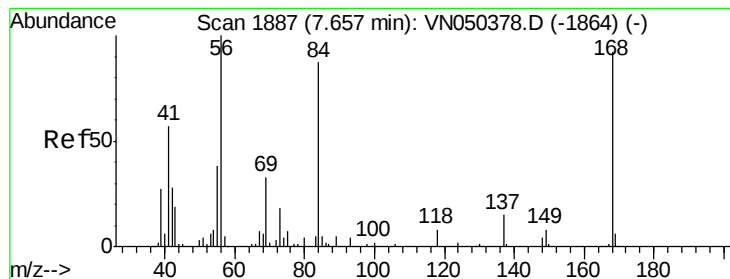
85 65.4 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.80 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

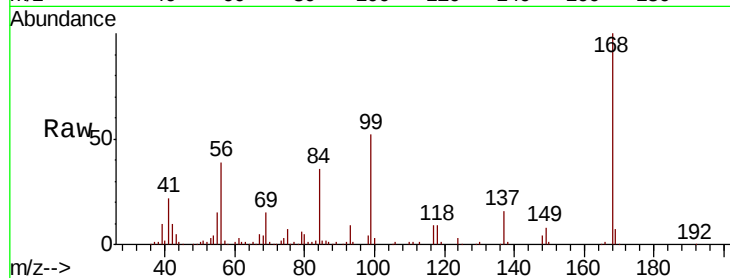
Tot Ion: 56 Resp: 194956

Ion Ratio Lower Upper

56 100

69 38.3 26.2 39.4

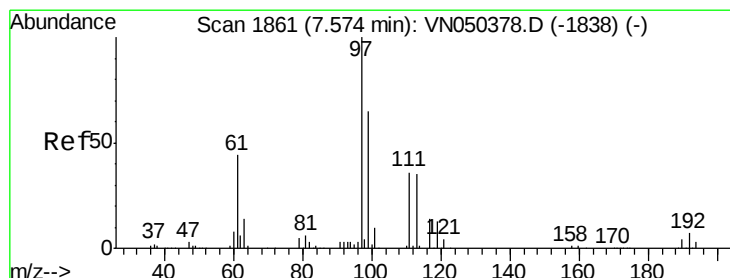
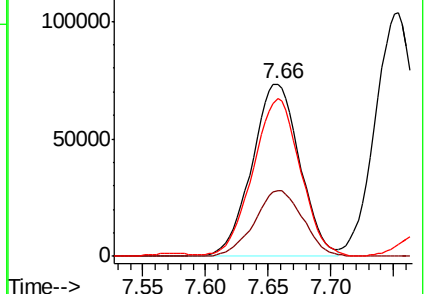
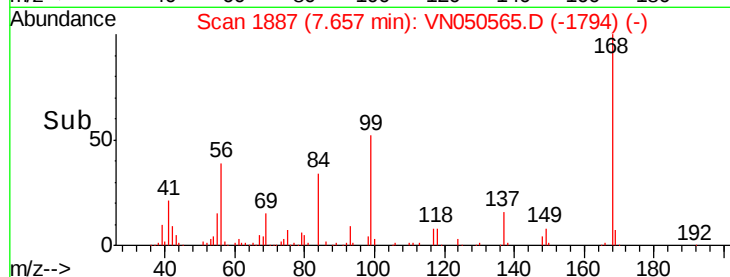
84 90.1 67.4 101.0



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: 19.81 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

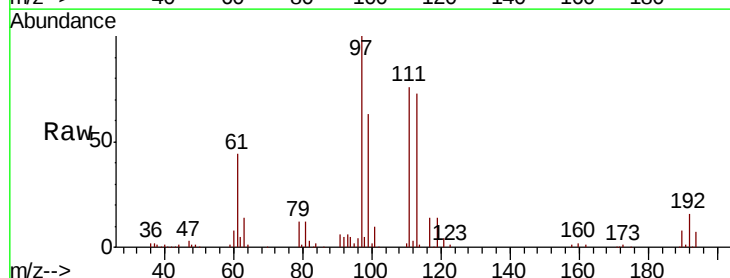
Tgt Ion: 97 Resp: 206878

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

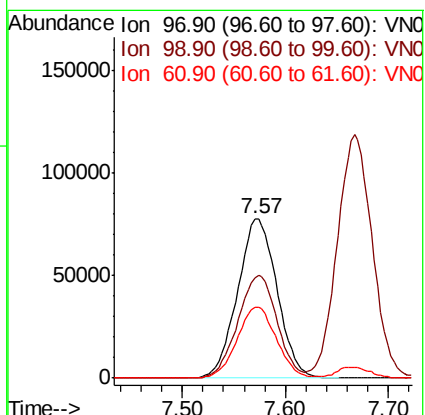
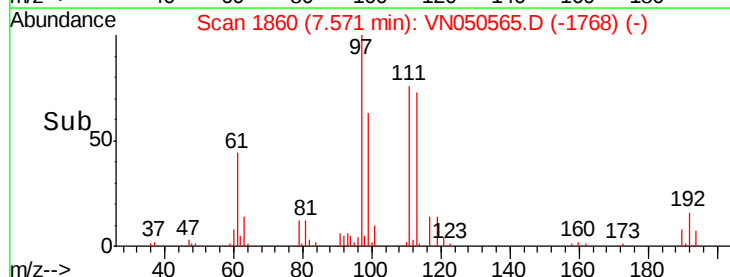
61 44.3 35.4 53.0

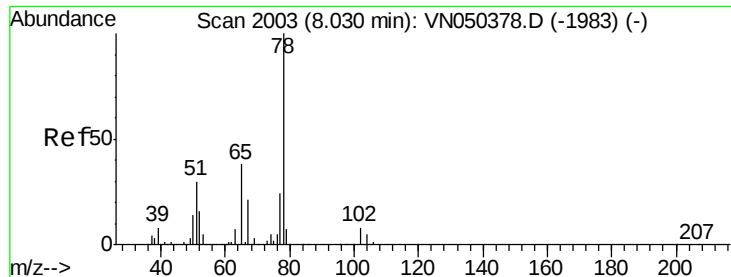


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

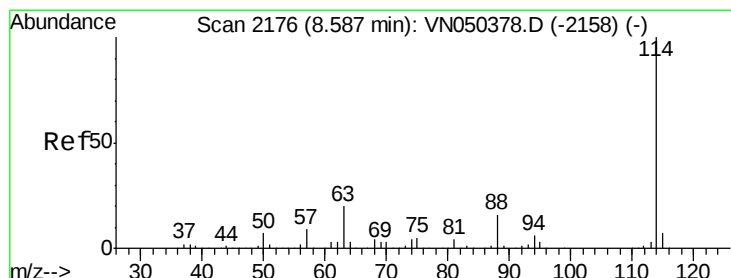
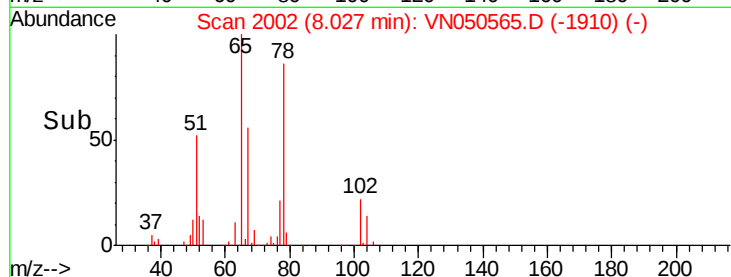
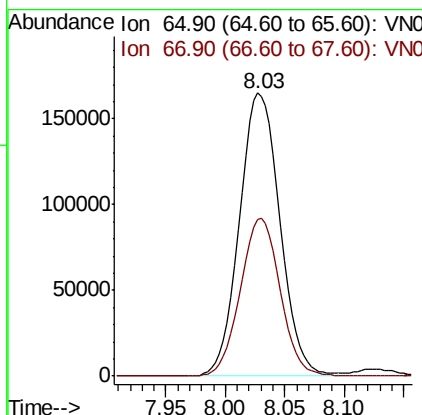
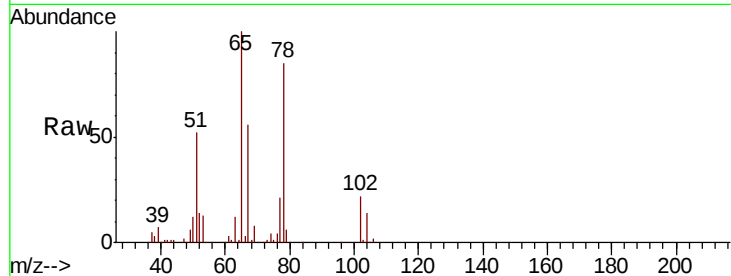




#33
 1,2-Dichloroethane-d4
 Concen: 52.18 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

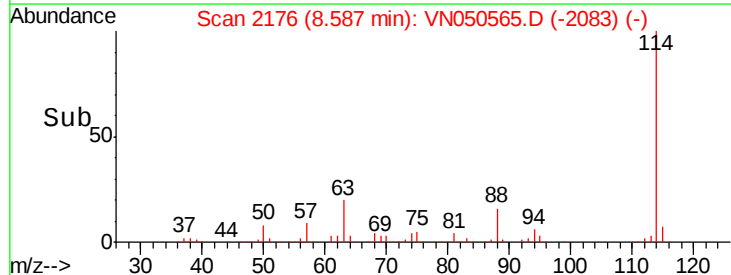
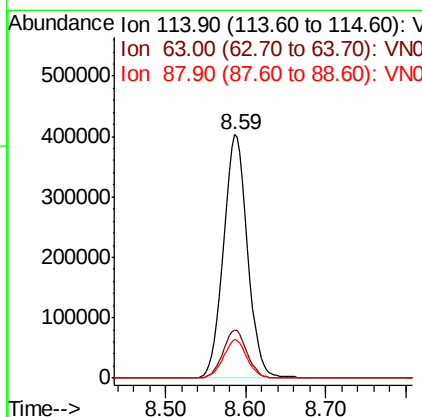
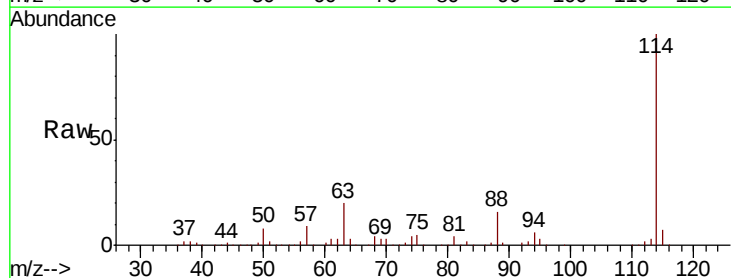
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

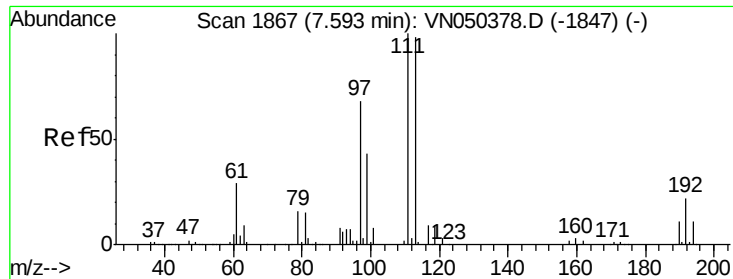
Tot Ion: 65 Resp: 389758
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 114 Resp: 835432
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.8 0.0 31.2

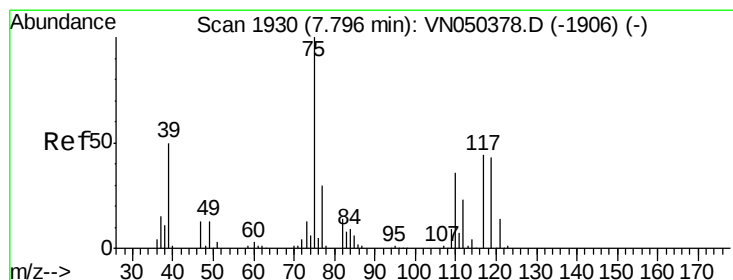
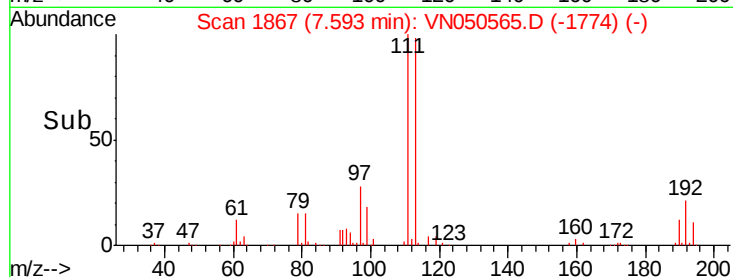
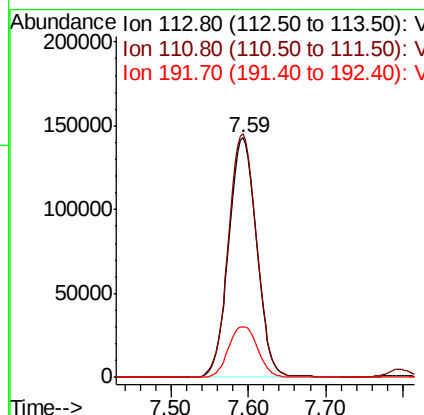
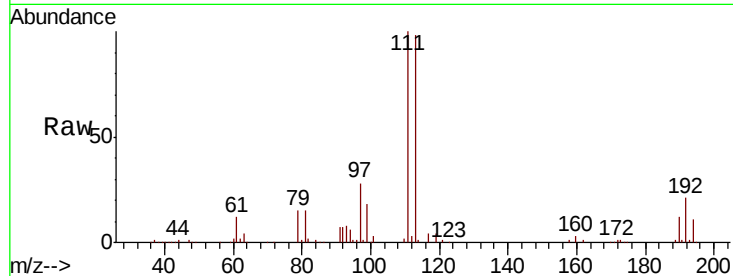




#35
 Dibromofluoromethane
 Concen: 53.43 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

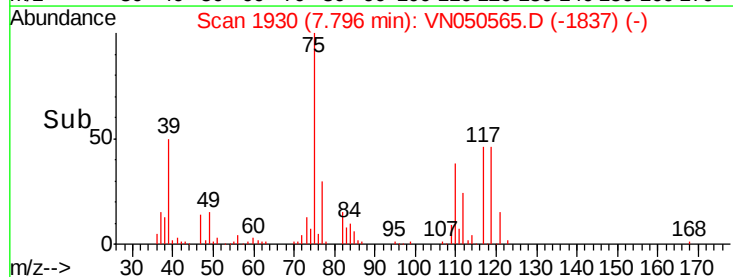
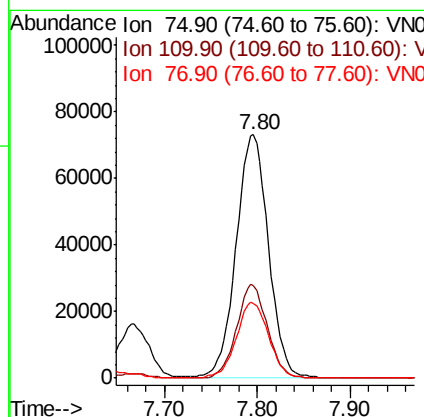
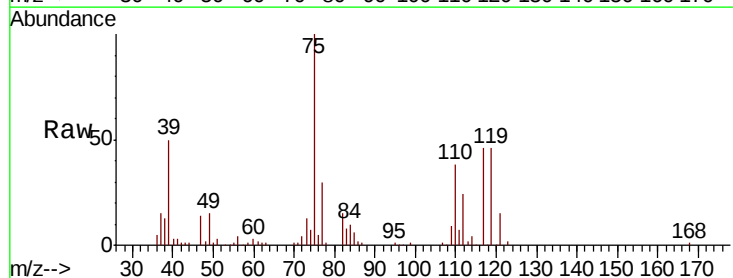
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

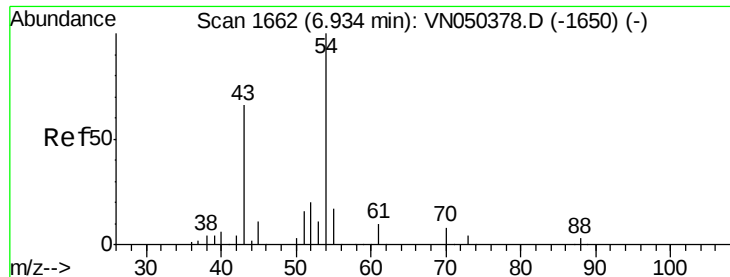
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.7	121.1
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.15 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.4	25.3	37.9

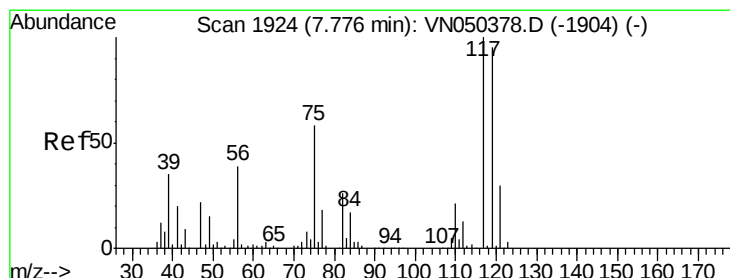
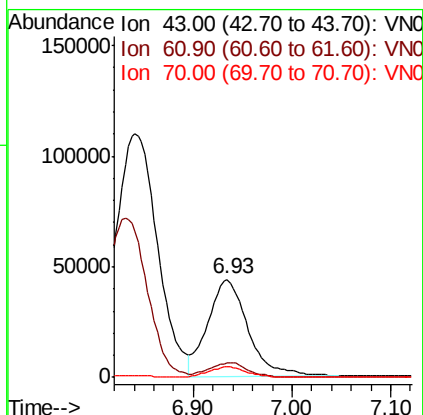
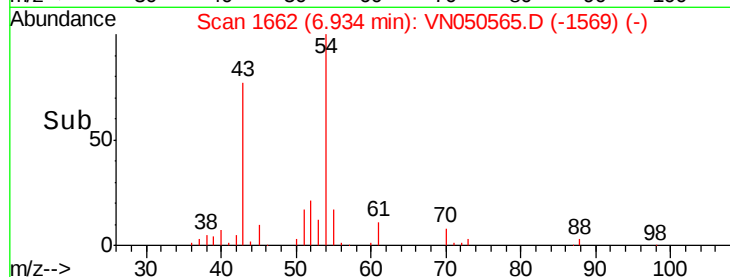
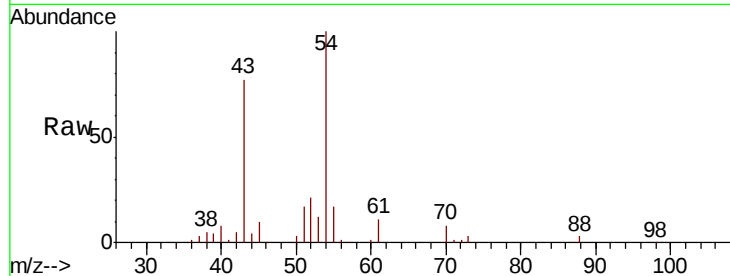




#37
Ethyl Acetate
Concen: 18.80 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

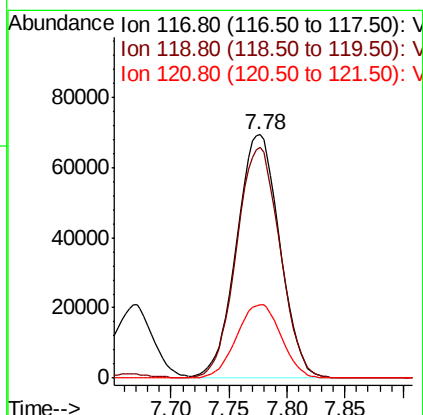
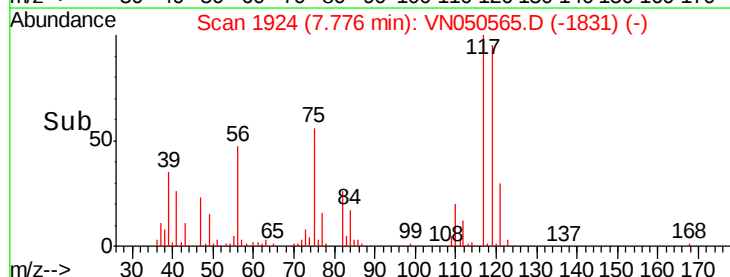
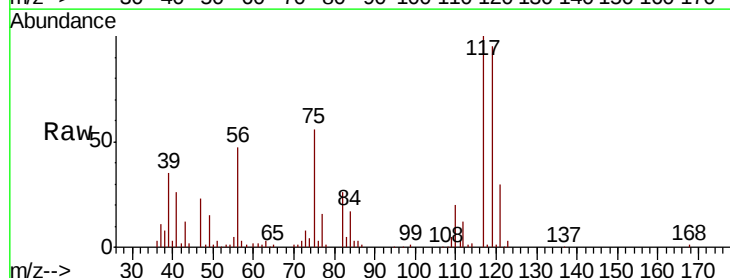
Instrument :
MSVOA_N
ClientSampled :
VN0813MBSD01

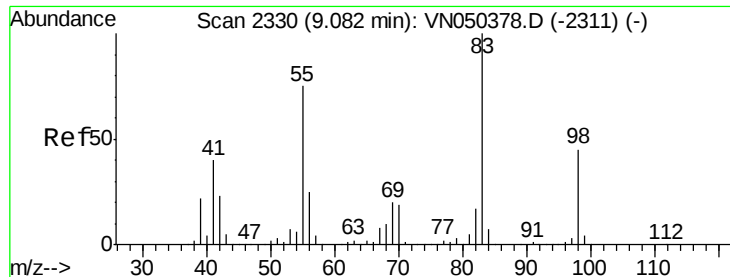
Tot Ion: 43 Resp: 124301
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.71 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 117 Resp: 179137
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.0
121 30.3 23.9 35.9

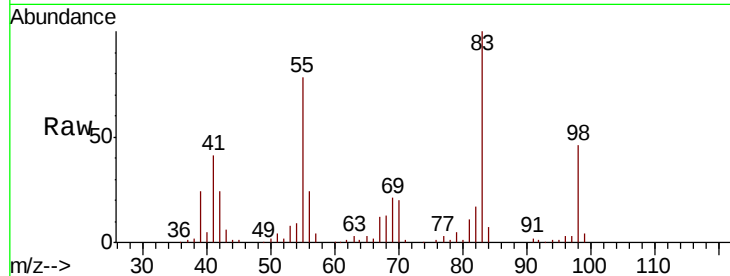




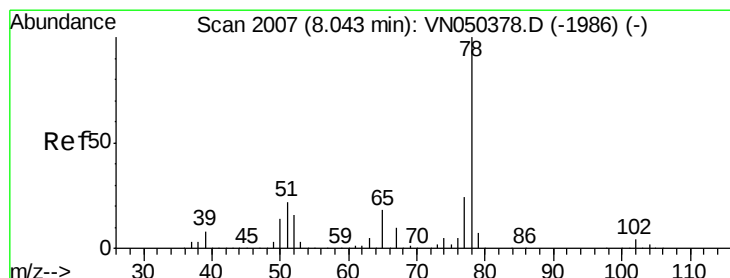
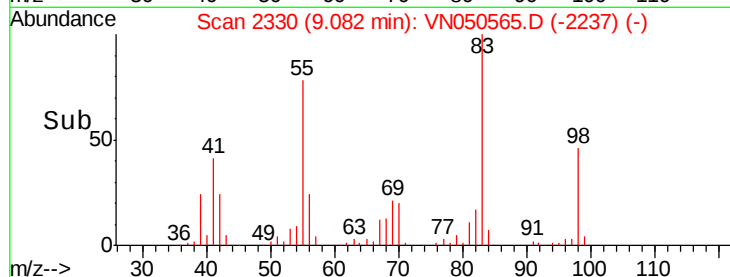
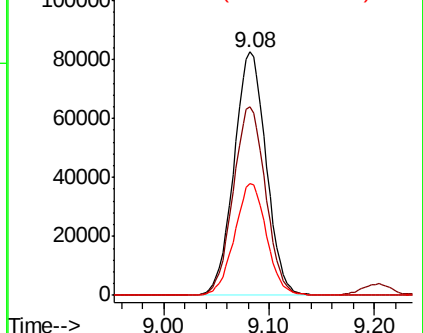
#39
Methvlcvclohexane
Concen: 17.45 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion: 83 Resp: 174798
Ion Ratio Lower Upper
83 100
55 77.5 61.8 92.8
98 46.0 36.5 54.7

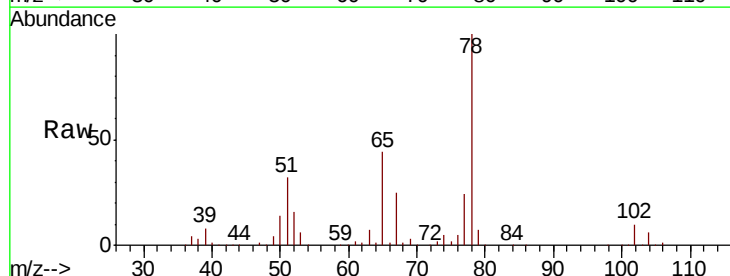


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

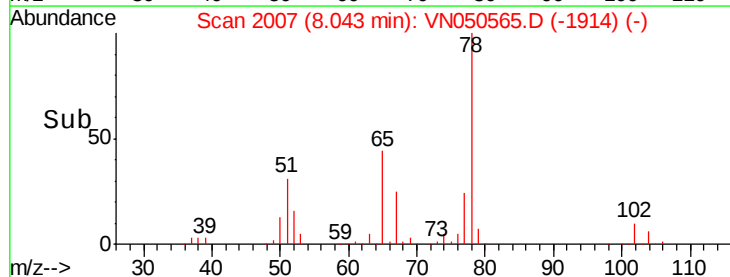
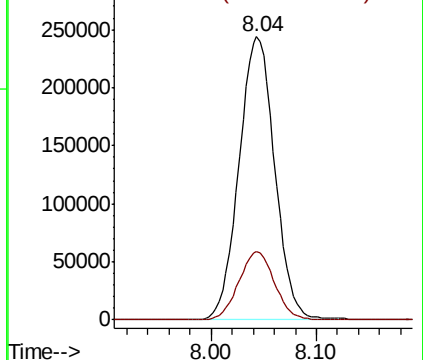


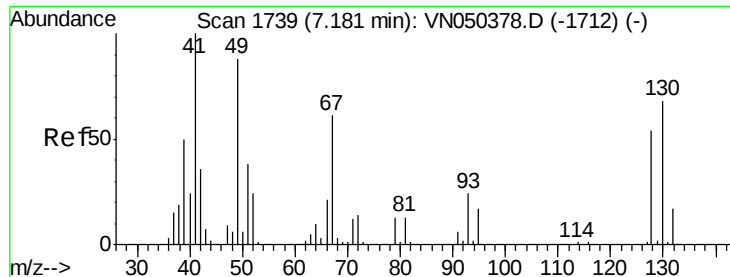
#40
Benzene
Concen: 20.34 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 78 Resp: 574147
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

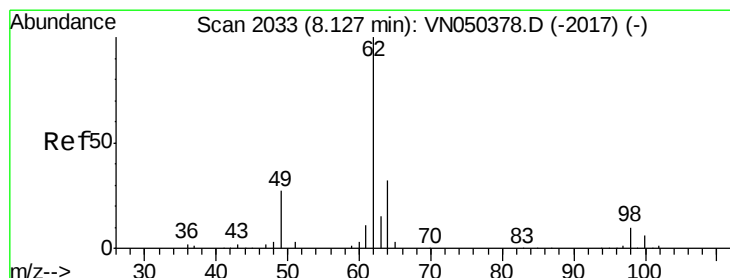
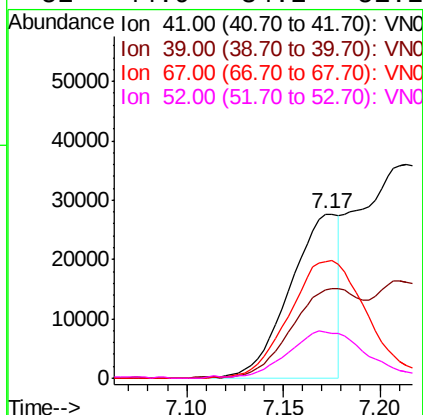
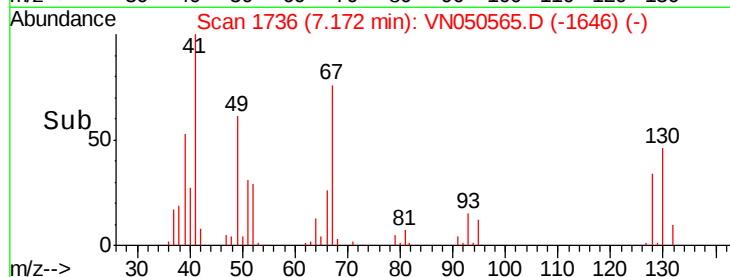
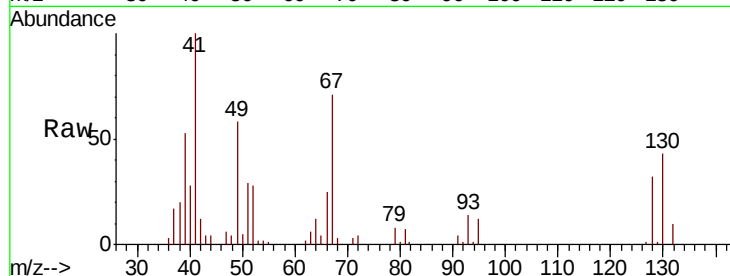




#41
Methacrylonitrile
Concen: 13.81 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

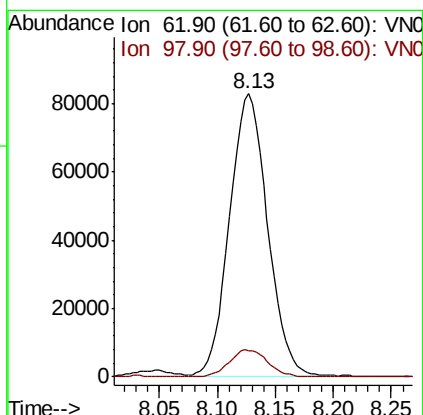
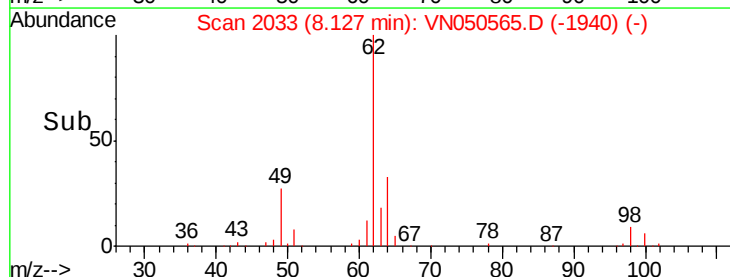
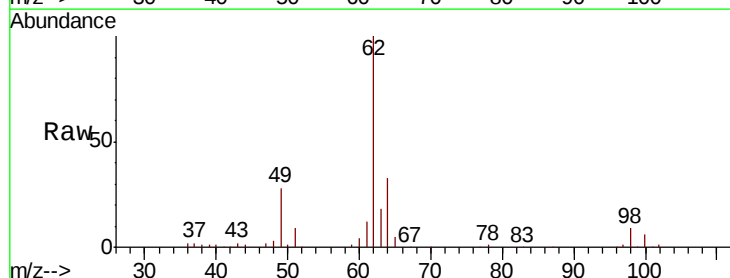
Instrument :
MSVOA_N
ClientSampleID :
VN0813MBSD01

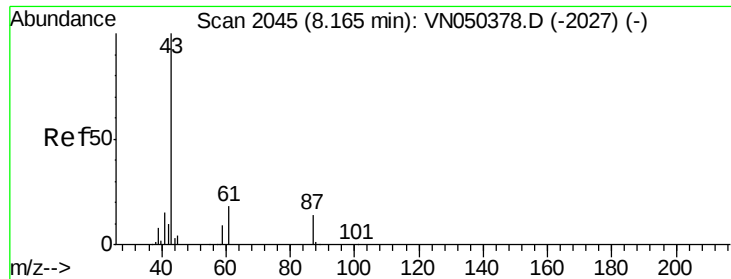
Tot Ion: 41 Resp: 48526
Ion Ratio Lower Upper
41 100
39 75.6 55.8 83.6
67 115.3 84.3 126.5
52 44.9 34.2 51.2



#42
1,2-Dichloroethane
Concen: 21.01 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 62 Resp: 188226
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.8



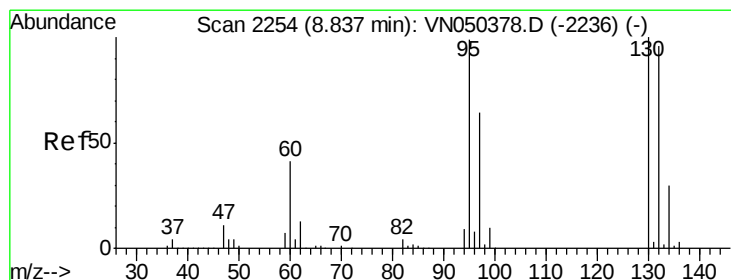
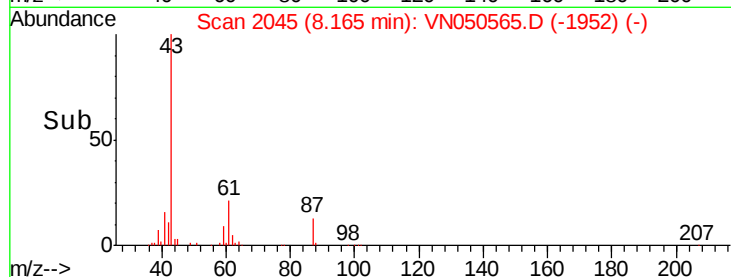
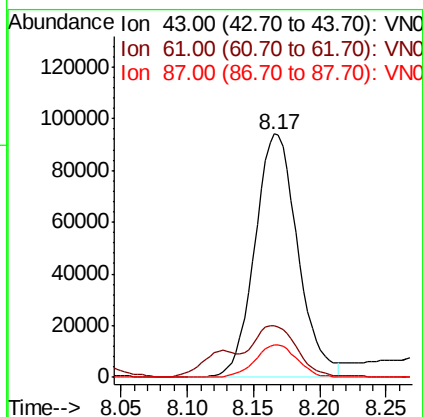
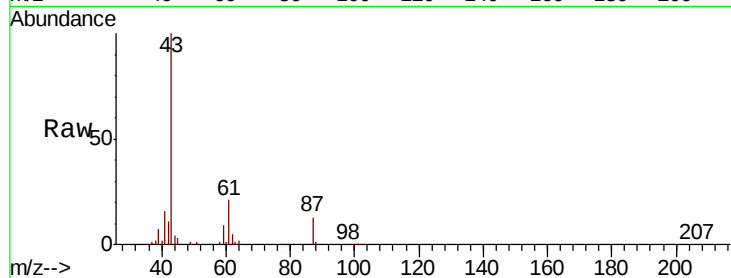


#43

Isopropyl Acetate
 Concen: 18.49 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813MBSD01

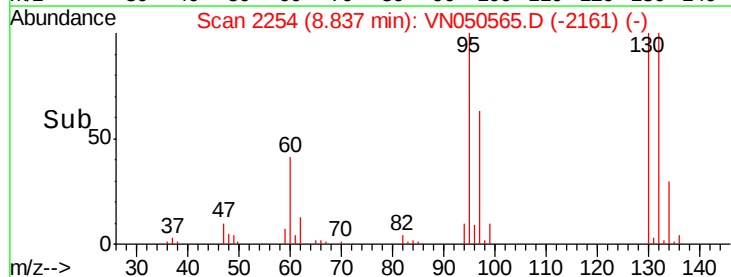
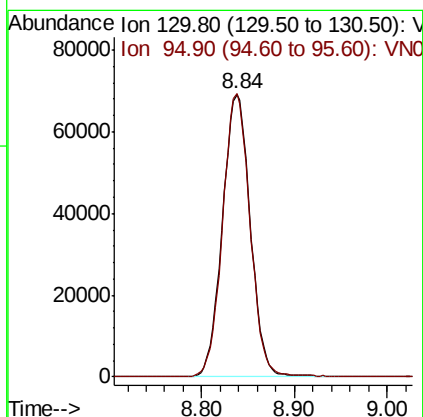
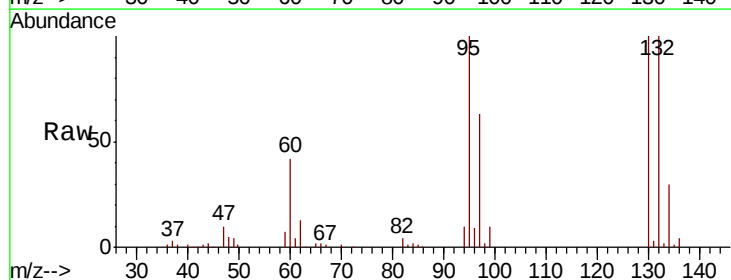
Tot Ion: 43 Resp: 211007
 Ion Ratio Lower Upper
 43 100
 61 21.2 15.8 23.6
 87 13.2 10.3 15.5

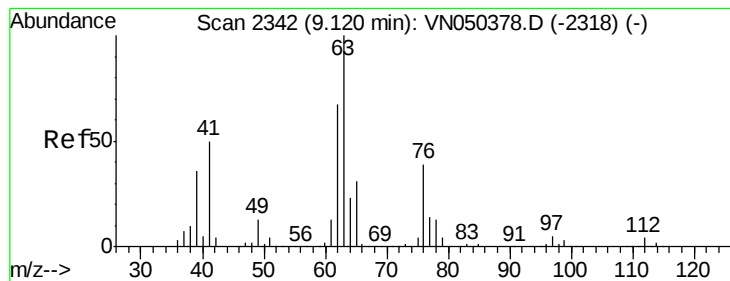


#44

Trichloroethene
 Concen: 19.08 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 130 Resp: 144684
 Ion Ratio Lower Upper
 130 100
 95 100.1 0.0 194.6





#45

1,2-Dichloropropane

Concen: 21.19 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

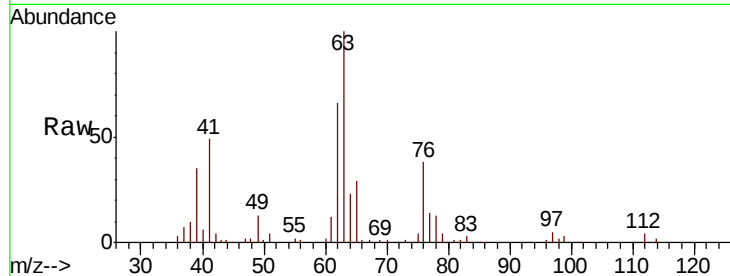
VN0813MBSD01

Tot Ion: 63 Resp: 157190

Ion Ratio Lower Upper

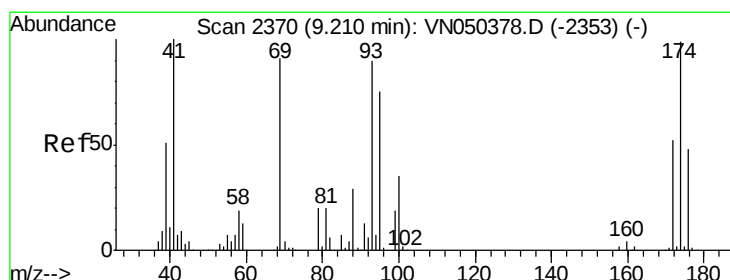
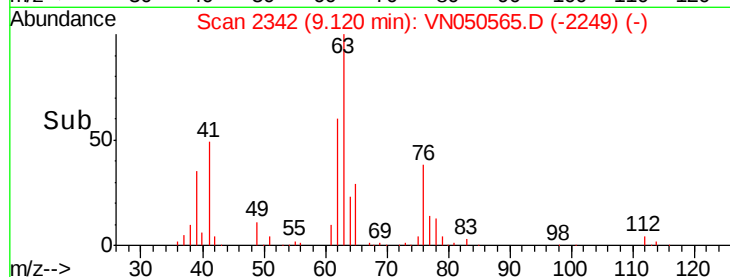
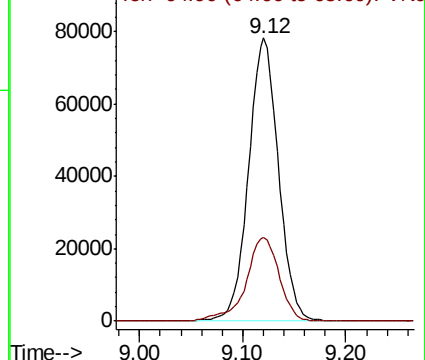
63 100

65 29.5 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.46 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

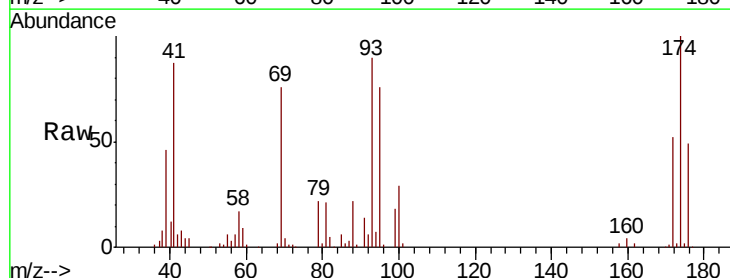
Tgt Ion: 93 Resp: 93727

Ion Ratio Lower Upper

93 100

95 85.0 66.6 100.0

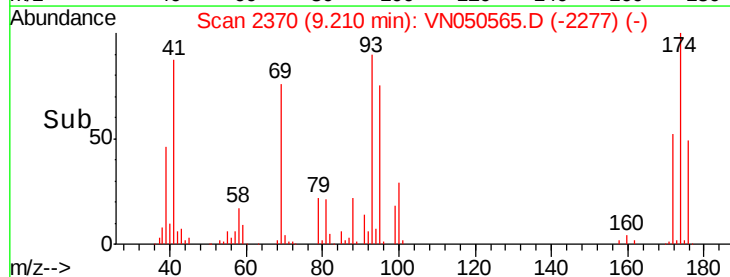
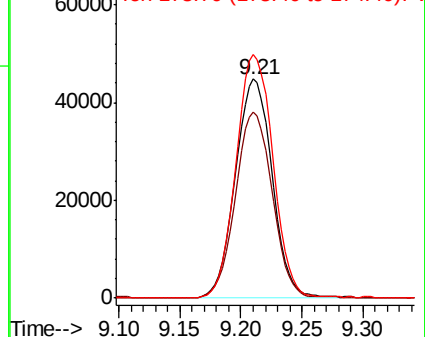
174 111.5 87.1 130.7

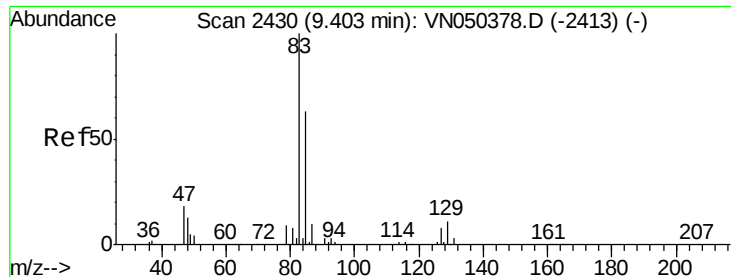


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

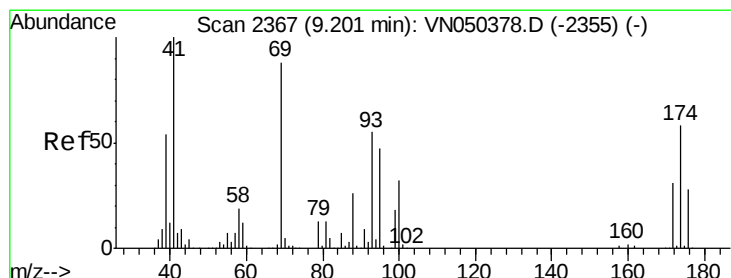
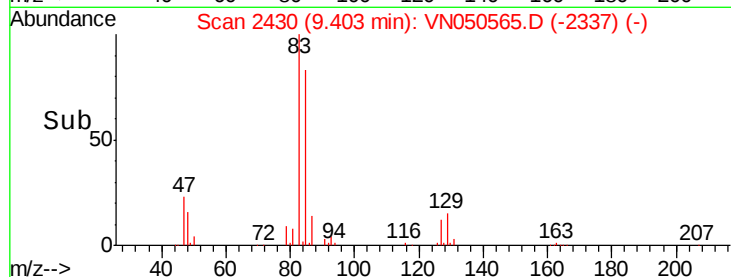
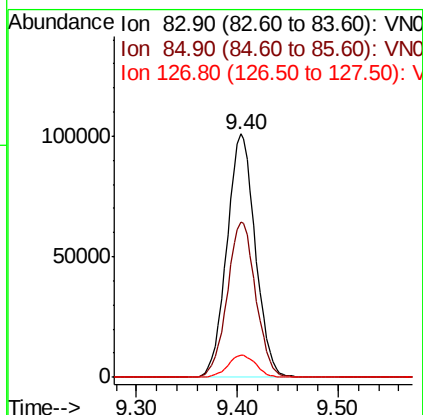
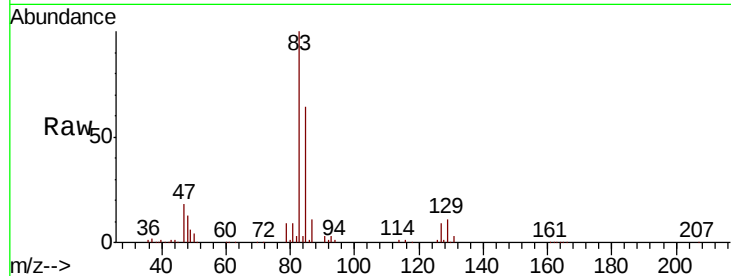




#47
 Bromodichloromethane
 Concen: 20.88 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

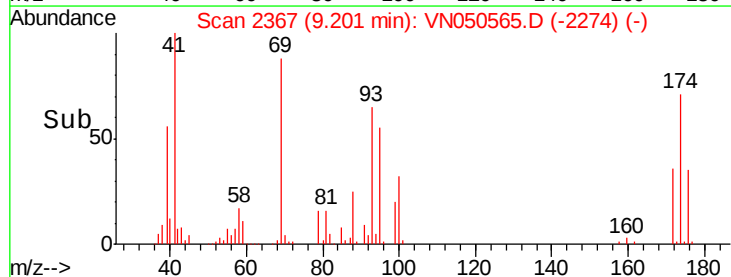
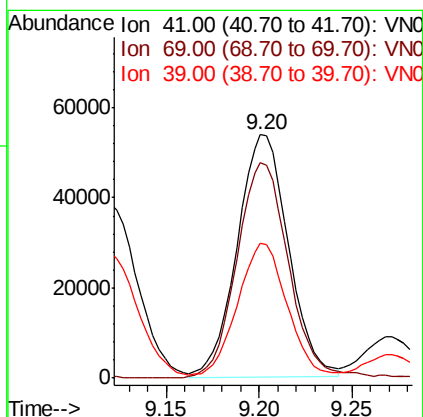
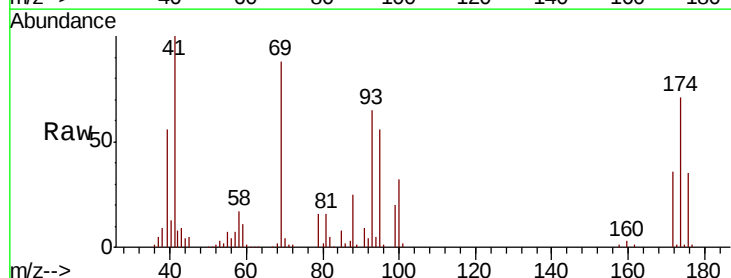
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

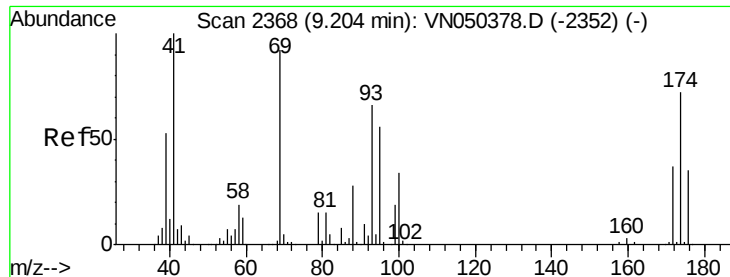
Tot Ion	83	Resp	198128
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.1	76.7
127	9.1	7.0	10.4



#48
 Methyl methacrylate
 Concen: 18.00 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	41	Resp	102921
Ion Ratio	Lower	Upper	
41	100		
69	90.5	70.6	105.8
39	54.1	43.9	65.9





#49

1,4-Dioxane

Concen: 317.68 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

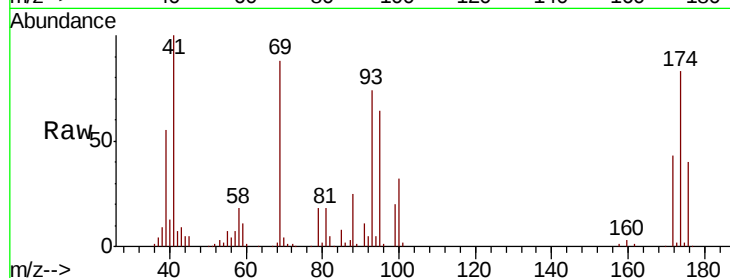
Tot Ion: 88 Resp: 28007

Ion Ratio Lower Upper

88 100

43 29.4 26.9 40.3

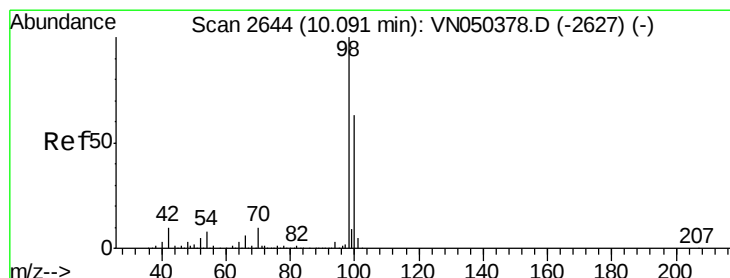
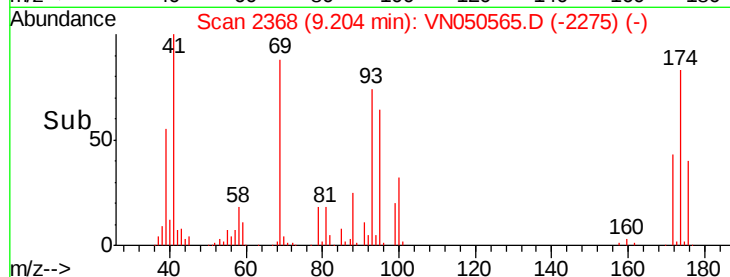
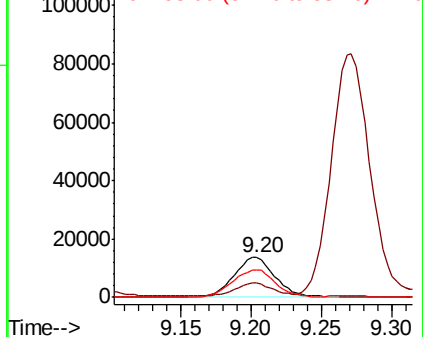
58 71.7 57.3 85.9



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: 50.94 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050565.D

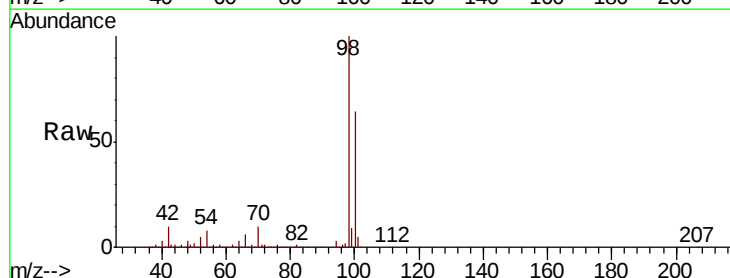
Acq: 13 Aug 2018 13:54

Tgt Ion: 98 Resp: 1283771

Ion Ratio Lower Upper

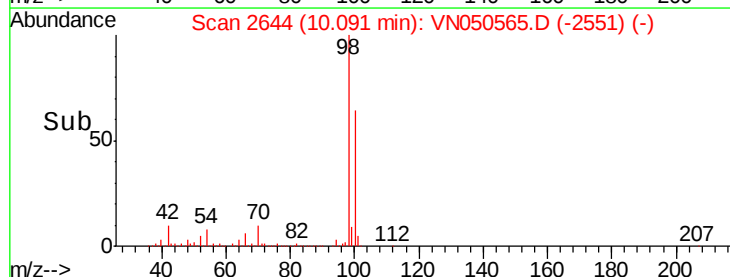
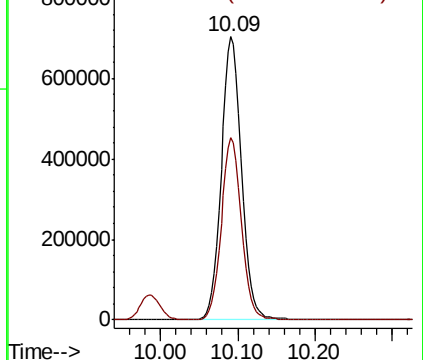
98 100

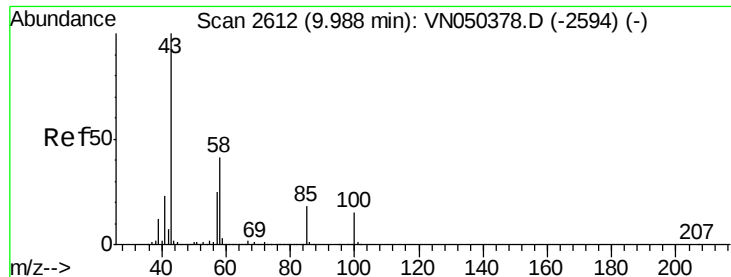
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

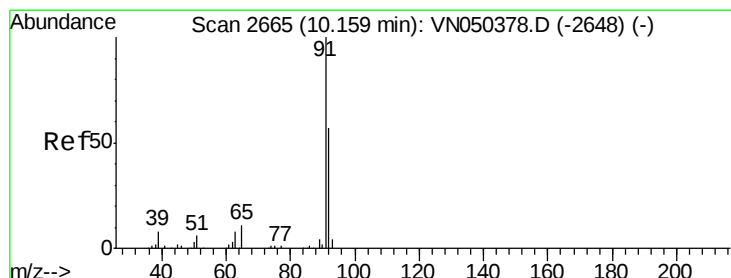
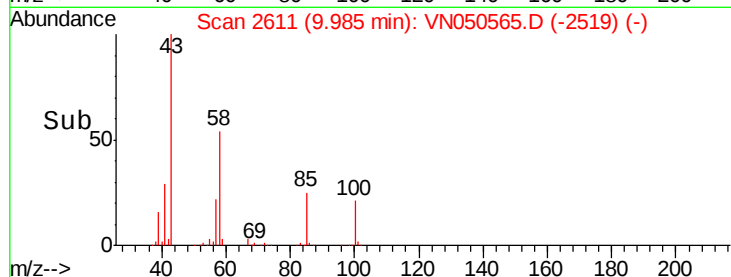
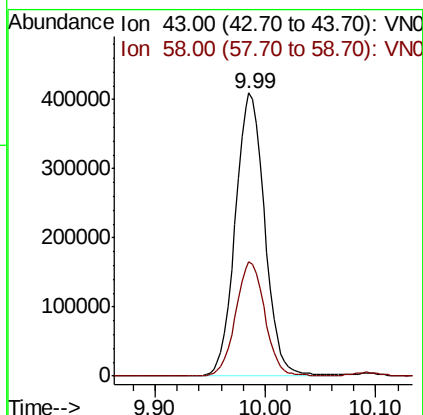
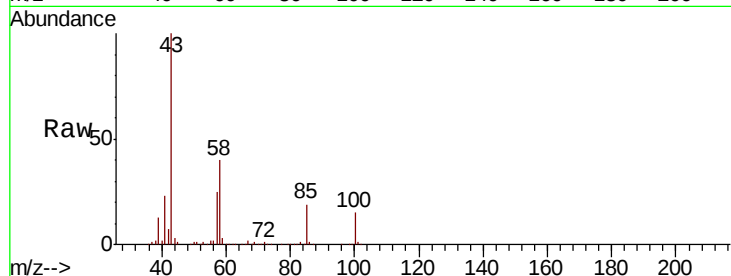




#51
 4-Methyl-2-Pentanone
 Concen: 91.72 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

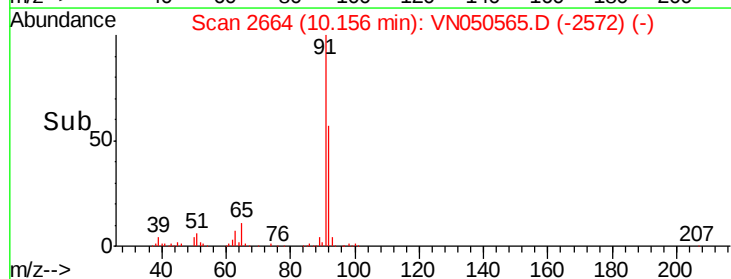
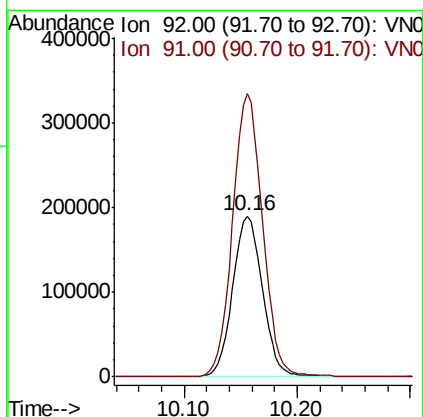
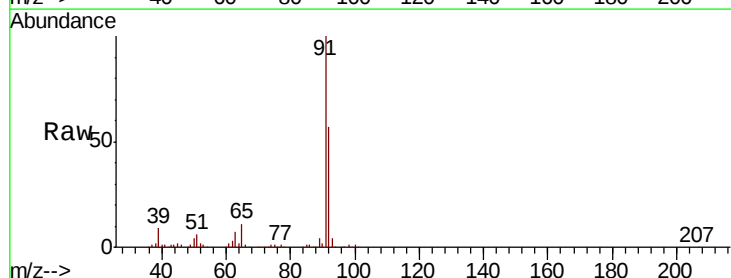
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813MBSD01

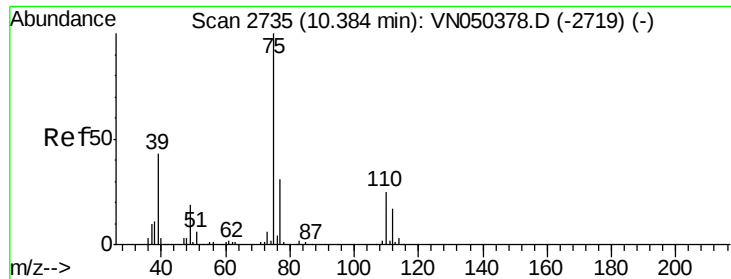
Tot Ion: 43 Resp: 753769
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9



#52
 Toluene
 Concen: 20.65 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 92 Resp: 350022
 Ion Ratio Lower Upper
 92 100
 91 176.7 140.3 210.5

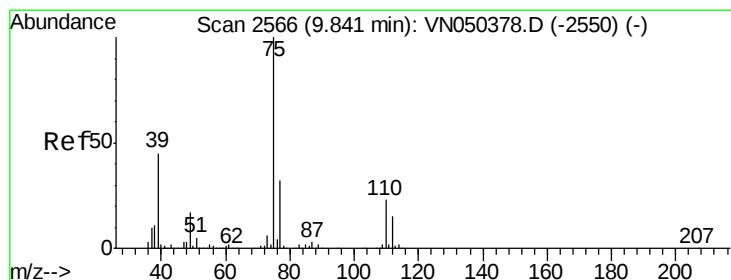
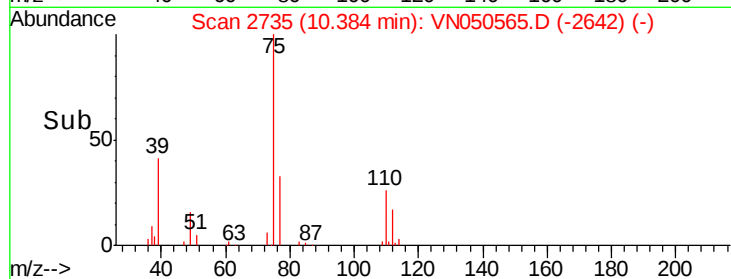
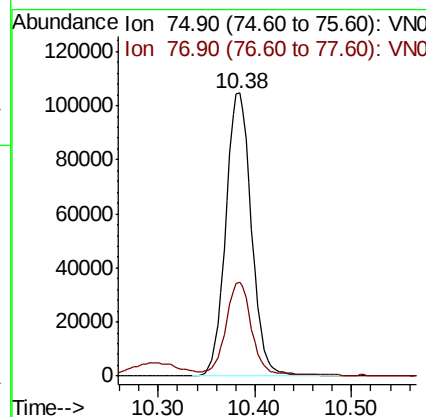
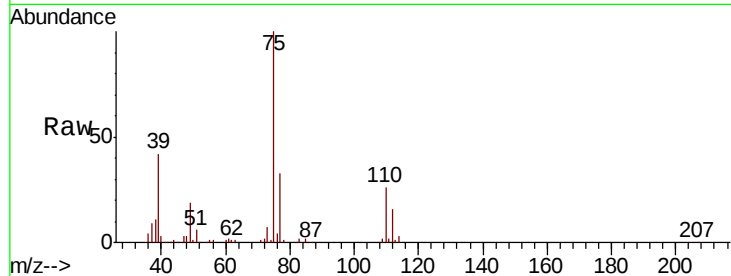




#53
 t-1,3-Dichloropropene
 Concen: 20.31 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

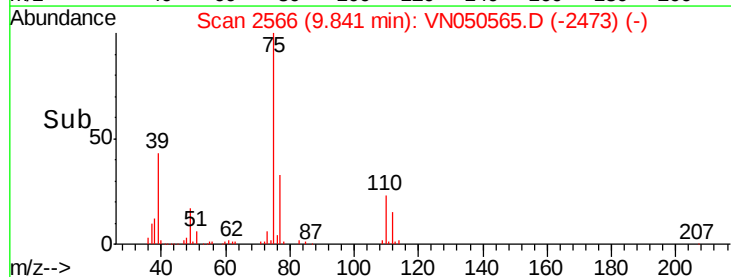
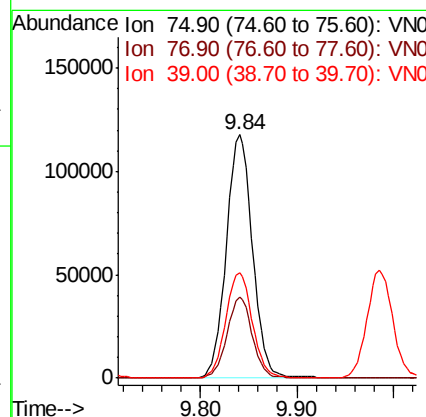
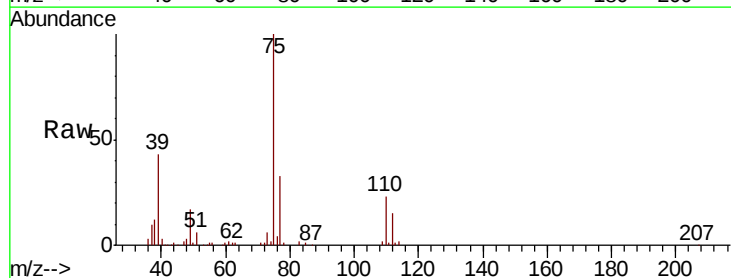
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

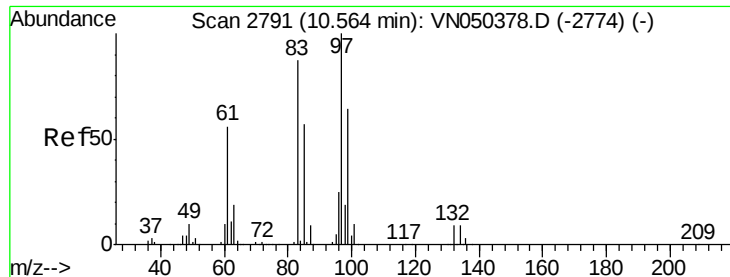
Tot Ion: 75 Resp: 193530
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 75 Resp: 221567
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3
 39 43.1 36.6 55.0

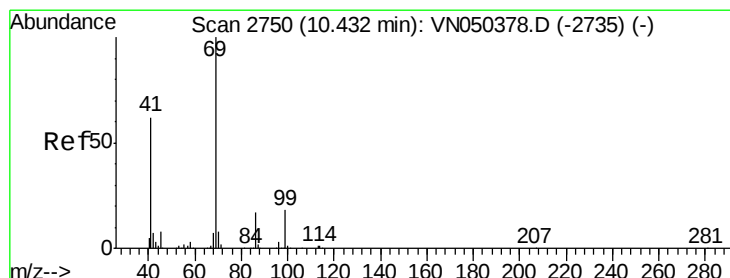
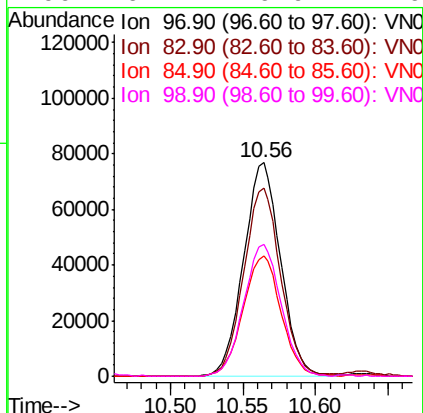
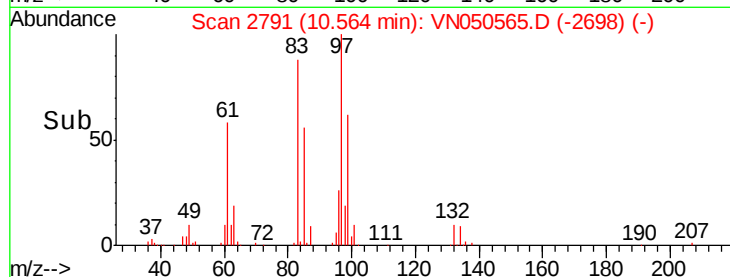
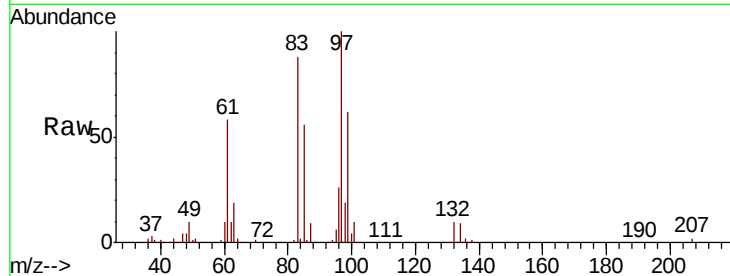




#55
 1,1,2-Trichloroethane
 Concen: 20.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

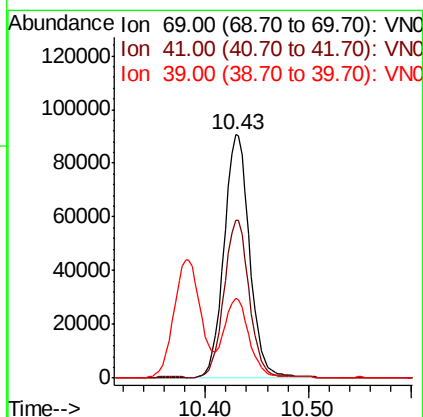
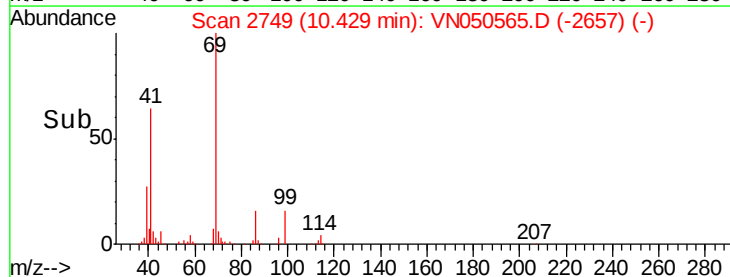
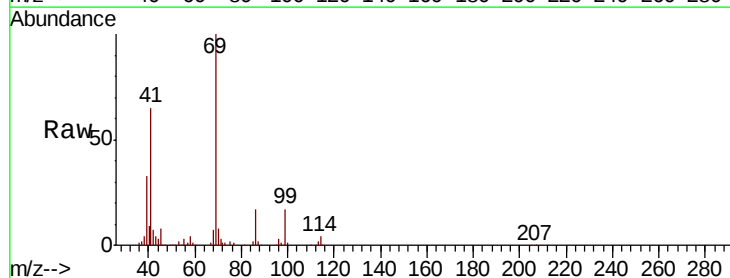
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

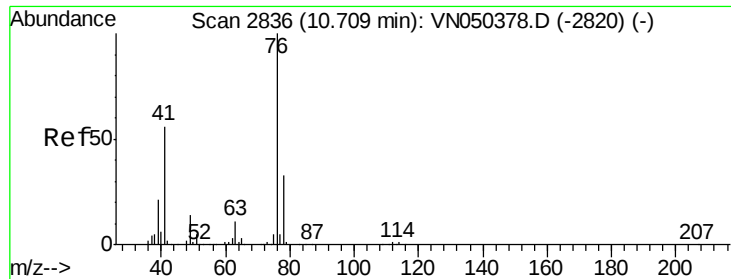
Tot Ion:	97	Resp:	136492
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.2	103.8
85	56.2	44.0	66.0
99	61.7	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 17.86 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion:	69	Resp:	156637
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.4
39	31.4	26.6	40.0





#57

1,3-Dichloropropane

Concen: 20.80 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

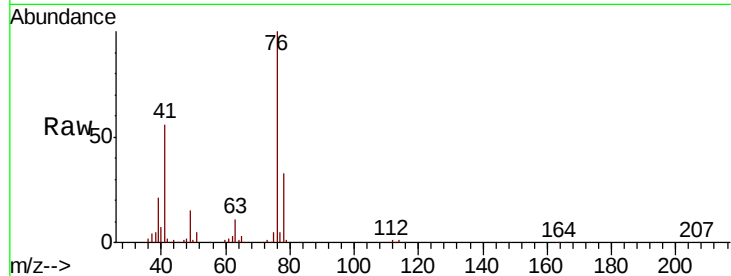
VN0813MBSD01

Tot Ion: 76 Resp: 225972

Ion Ratio Lower Upper

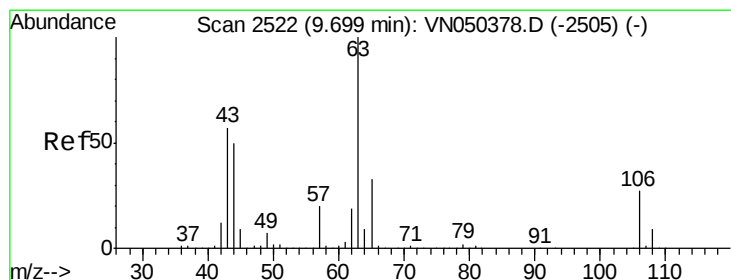
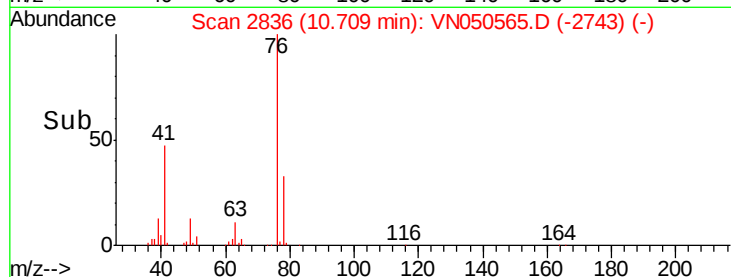
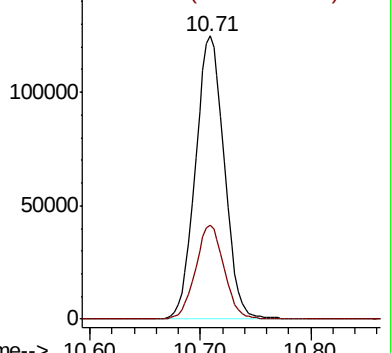
76 100

78 32.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.48 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050565.D

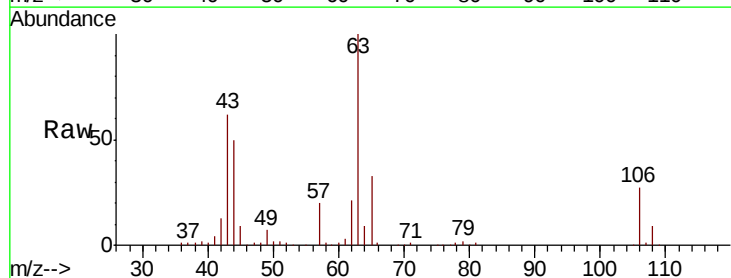
Acq: 13 Aug 2018 13:54

Tgt Ion: 63 Resp: 369254

Ion Ratio Lower Upper

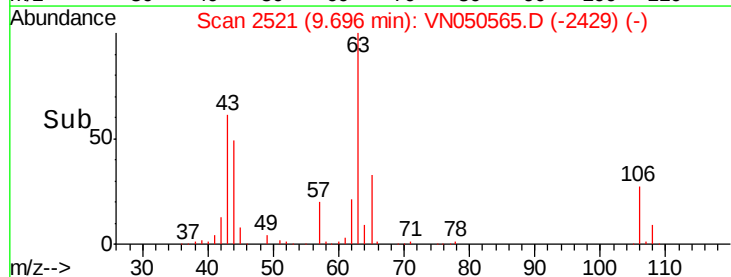
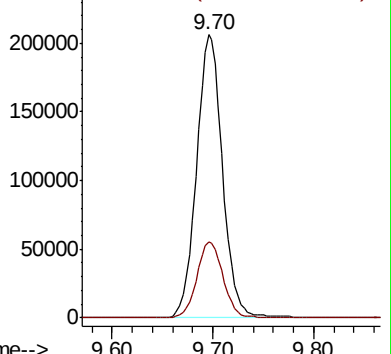
63 100

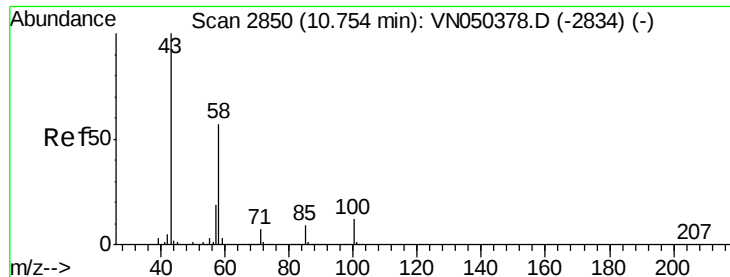
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

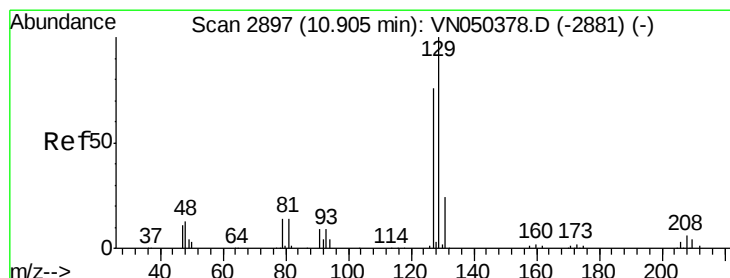
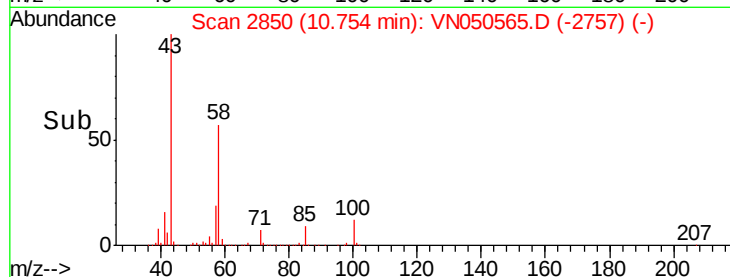
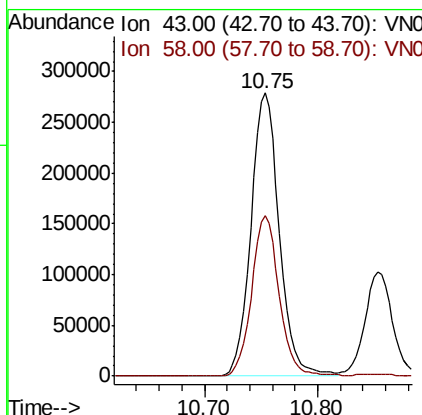
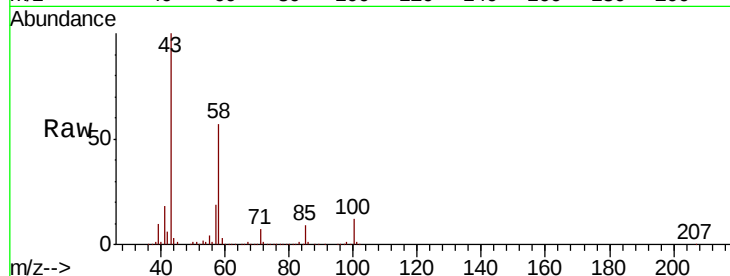




#59
2-Hexanone
Concen: 84.68 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

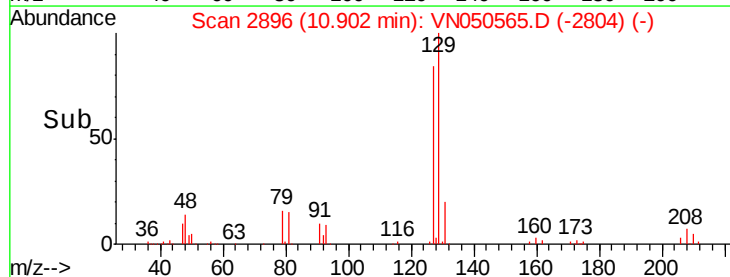
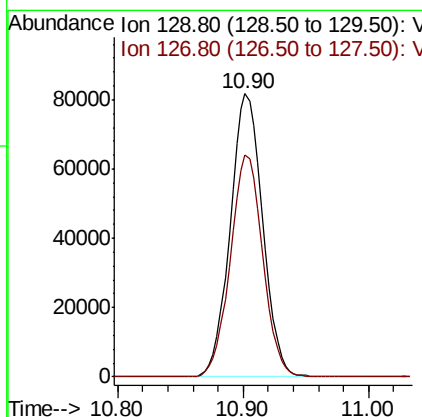
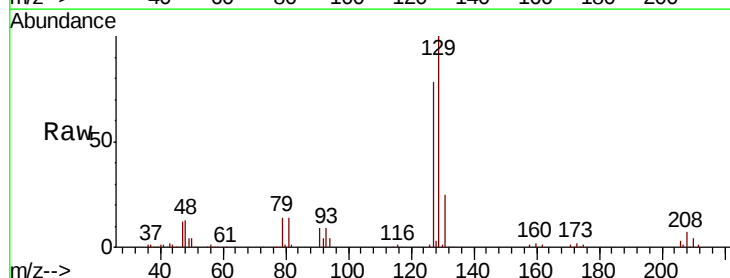
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

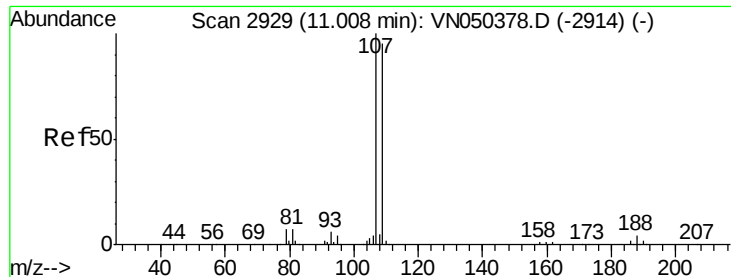
Tot Ion: 43 Resp: 485702
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7



#60
Dibromochloromethane
Concen: 20.13 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 129 Resp: 146750
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.97 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

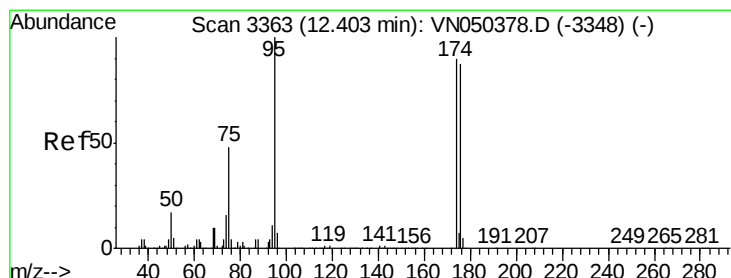
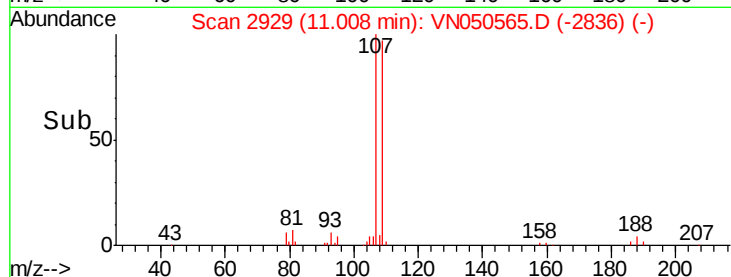
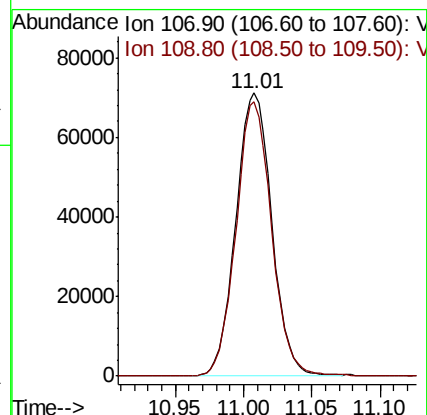
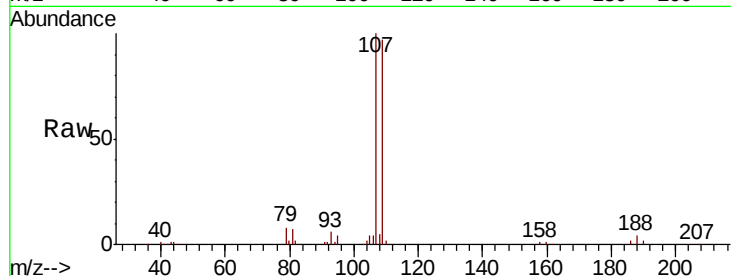
VN0813MBSD01

Tot Ion:107 Resp: 130284

Ion Ratio Lower Upper

107 100

109 96.0 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 48.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

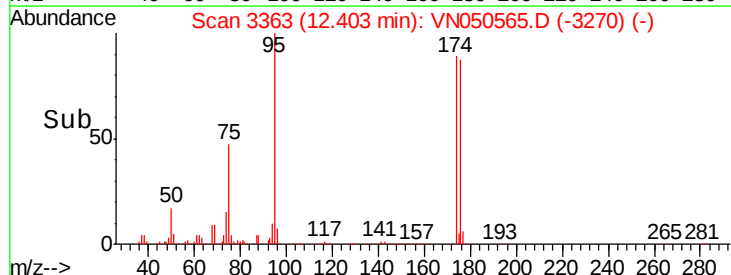
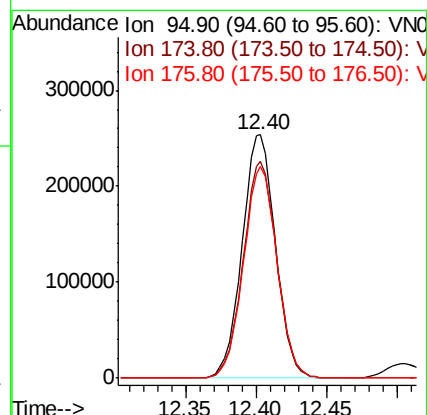
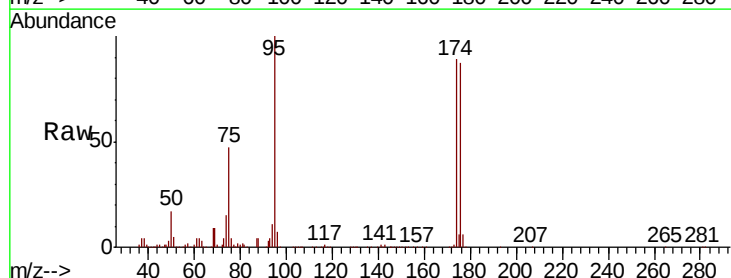
Tgt Ion: 95 Resp: 420525

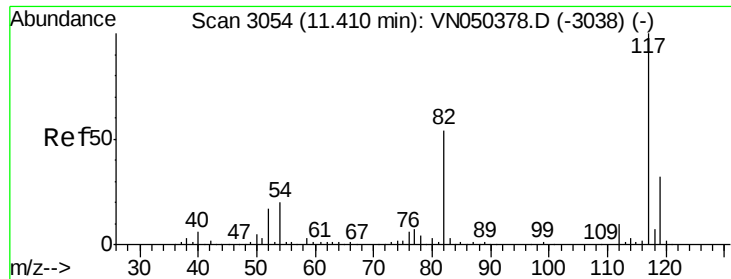
Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

176 87.4 0.0 173.4

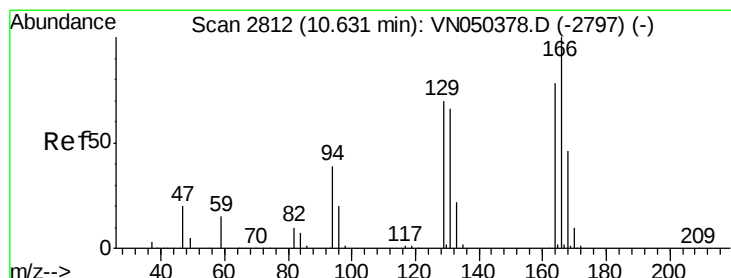
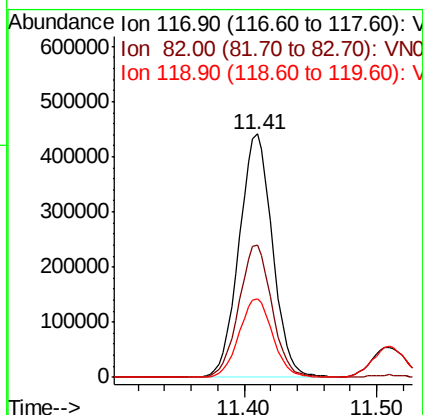
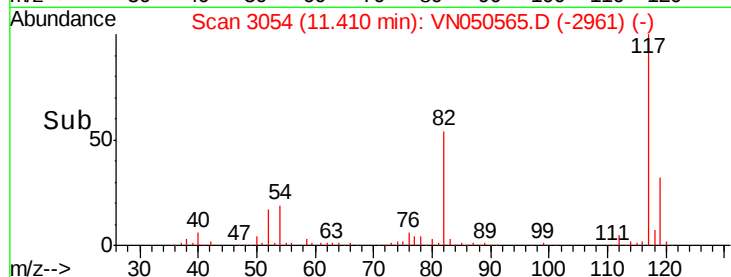
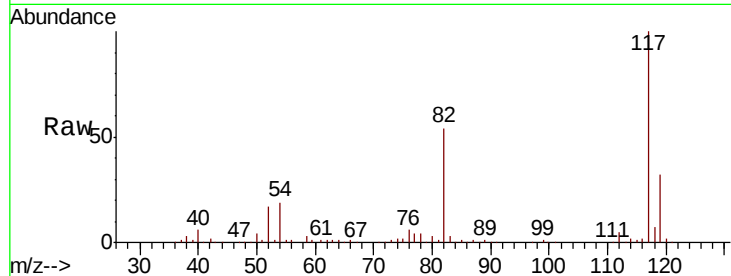




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

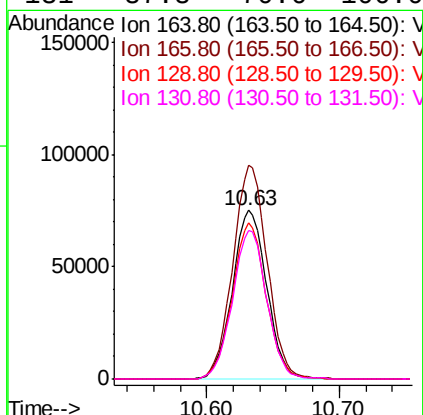
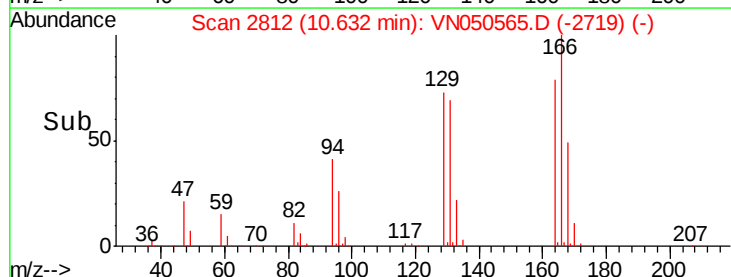
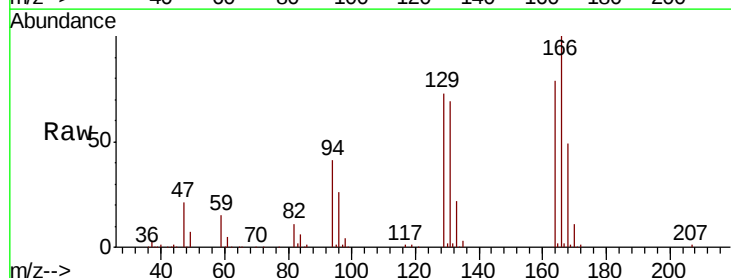
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

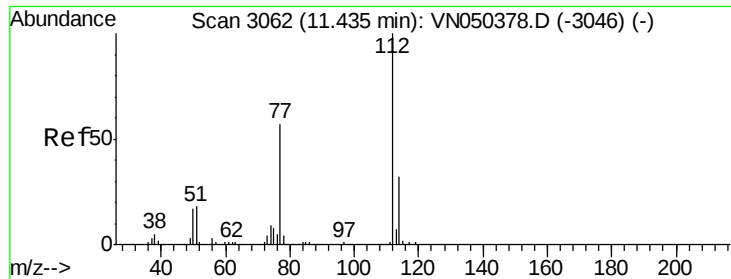
Tot Ion:117 Resp: 771584
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 18.75 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion:164 Resp: 135205
Ion Ratio Lower Upper
164 100
166 126.4 102.1 153.1
129 92.4 73.2 109.8
131 87.8 70.6 106.0

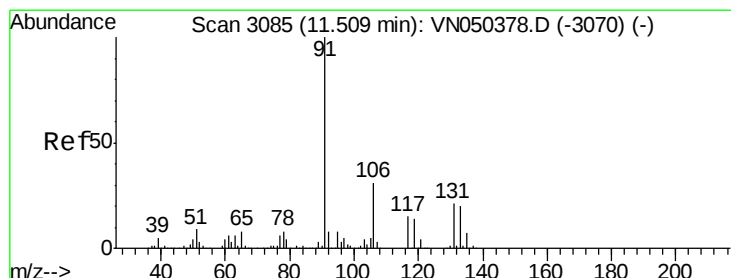
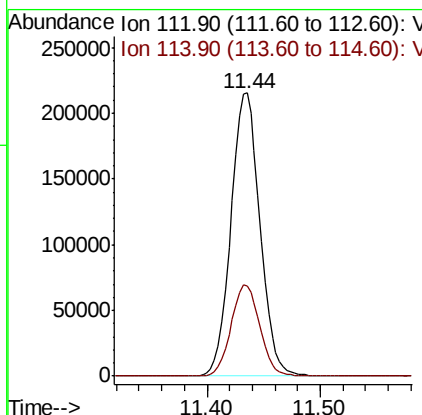
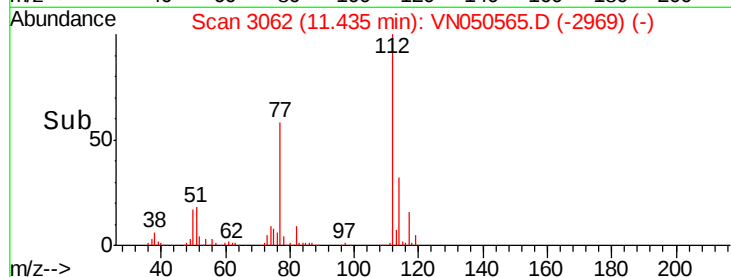
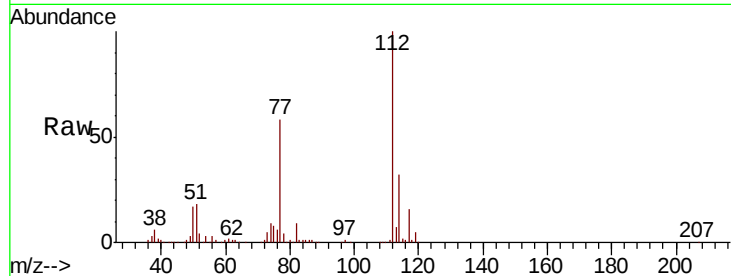




#65
Chlorobenzene
Concen: 19.86 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

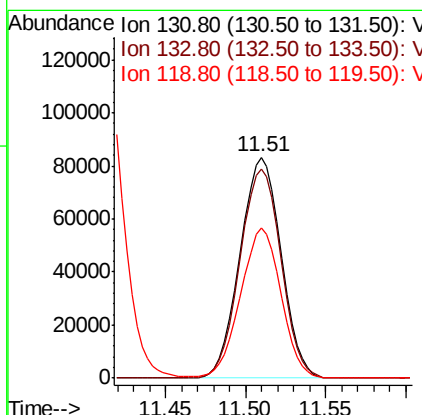
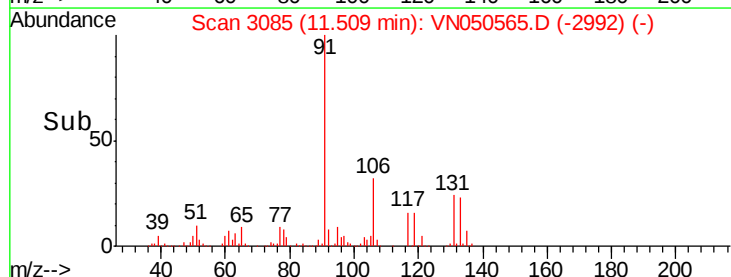
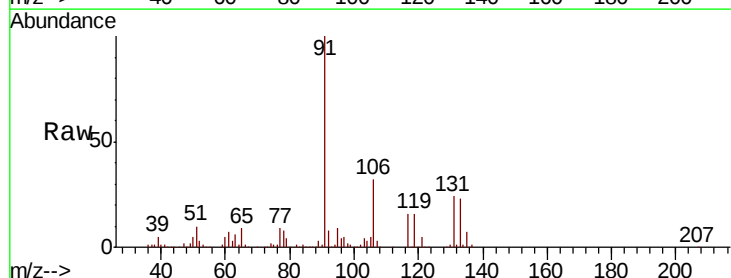
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

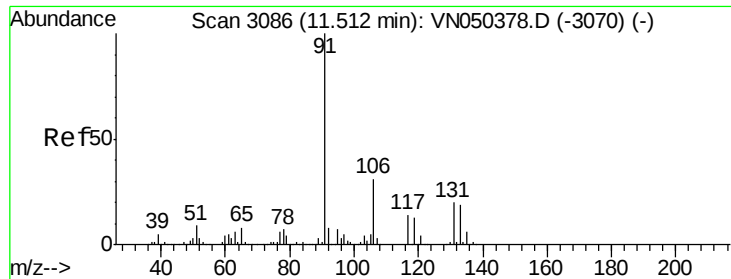
Tot Ion:112 Resp: 384167
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.77 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion:131 Resp: 146228
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 67.1 32.9 98.7

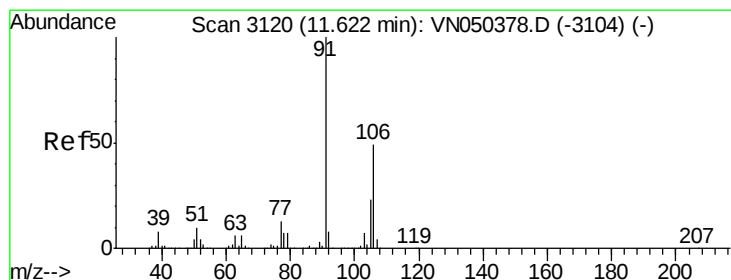
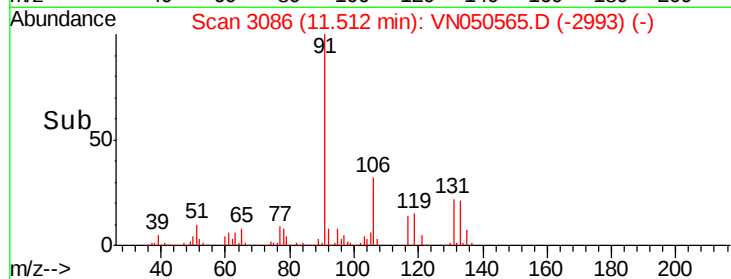
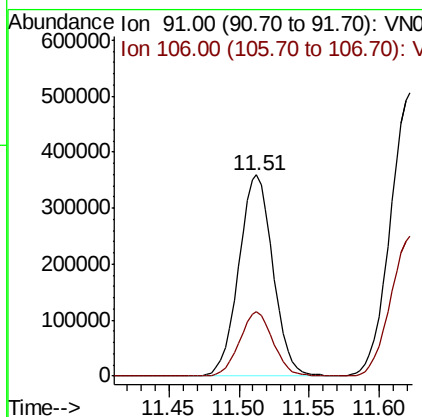
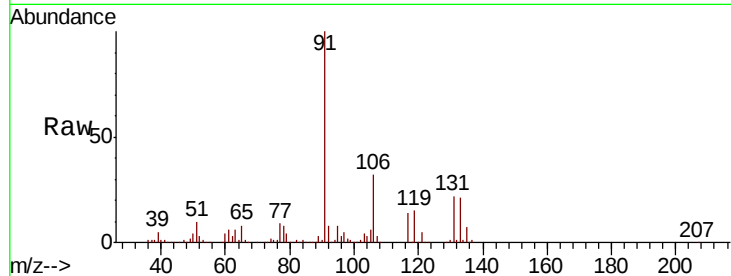




#67
Ethyl Benzene
Concen: 19.45 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

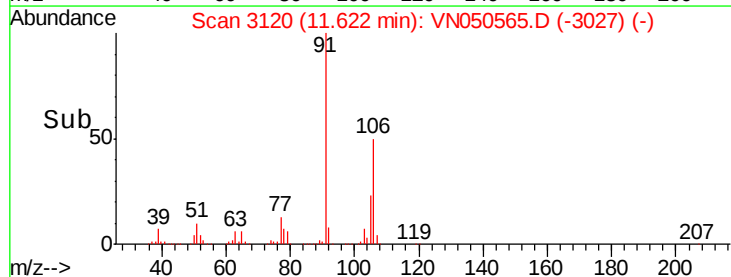
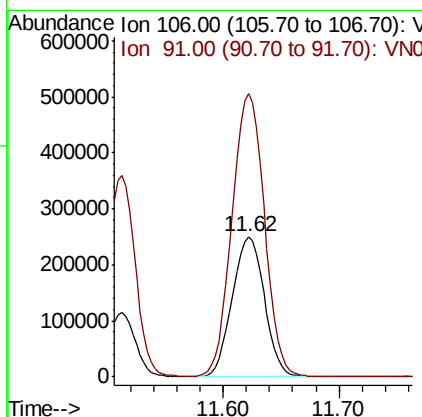
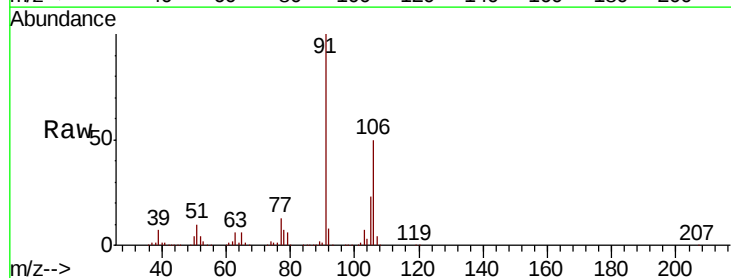
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

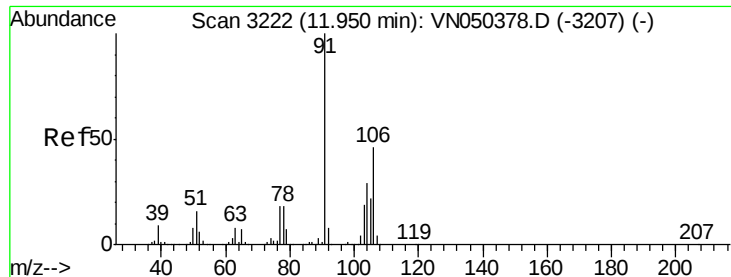
Tot Ion: 91 Resp: 608259
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 40.42 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 106 Resp: 481118
Ion Ratio Lower Upper
106 100
91 203.4 162.2 243.2

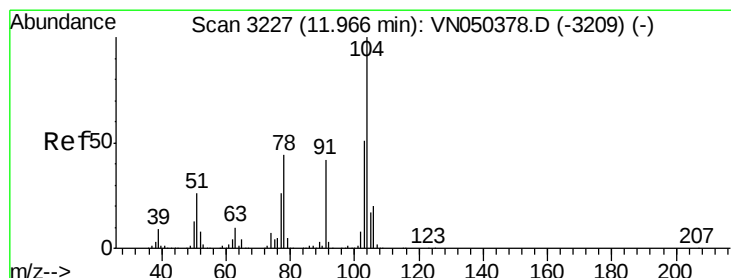
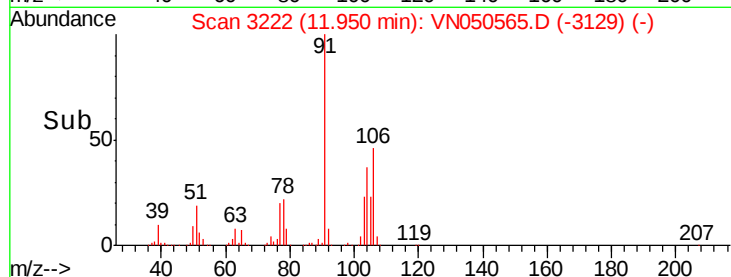
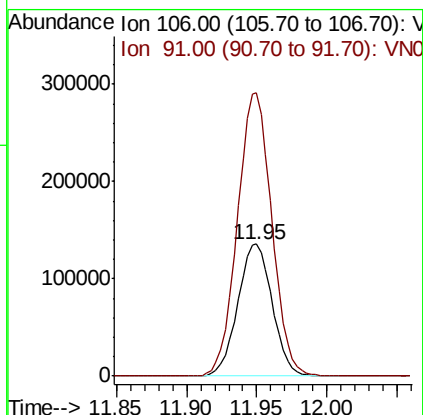
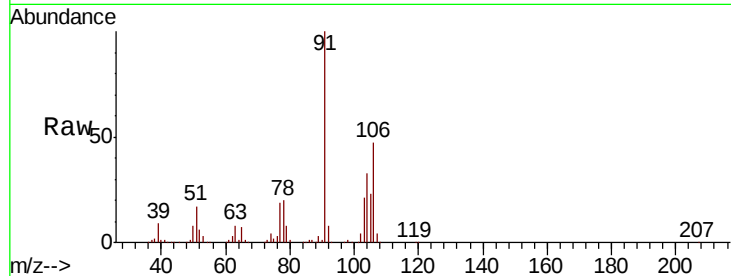




#69
o-Xylene
Concen: 20.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

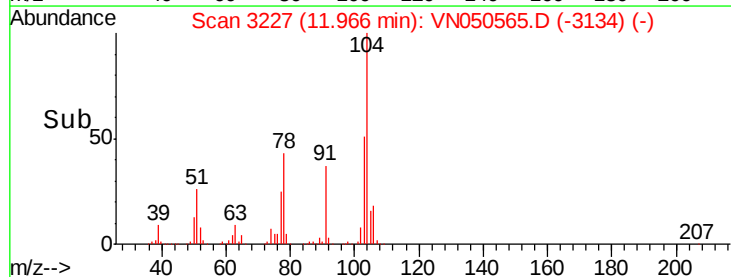
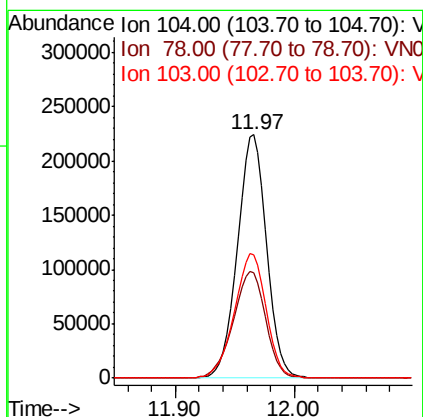
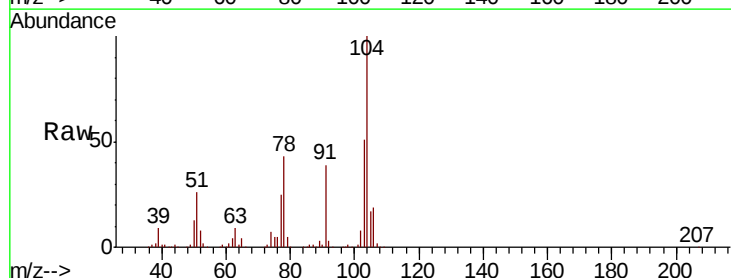
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

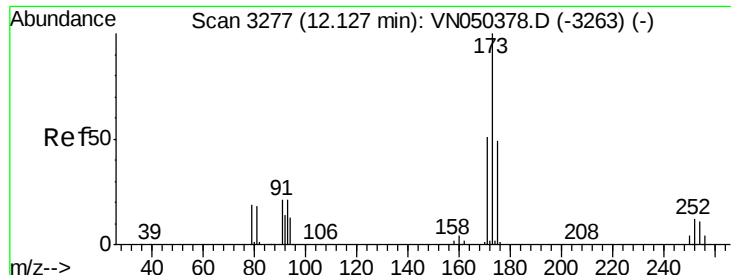
Tot Ion:106 Resp: 232257
Ion Ratio Lower Upper
106 100
91 214.2 107.7 323.1



#70
Styrene
Concen: 20.44 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion:104 Resp: 381094
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 55.6 45.0 67.6

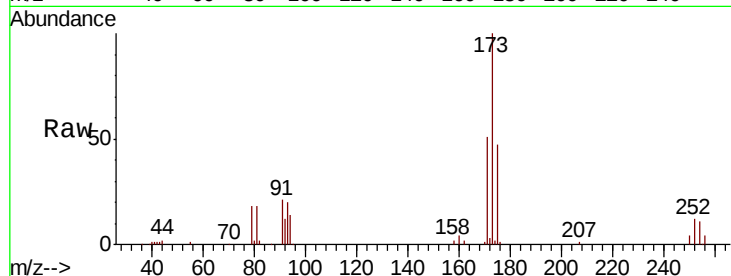




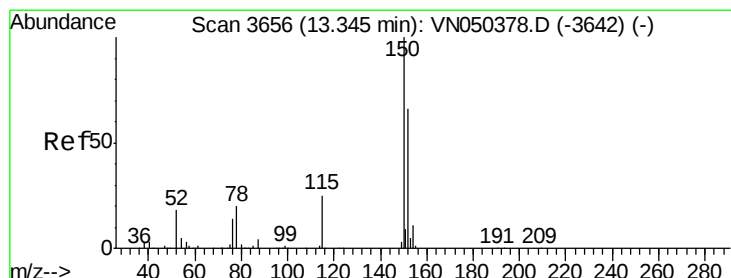
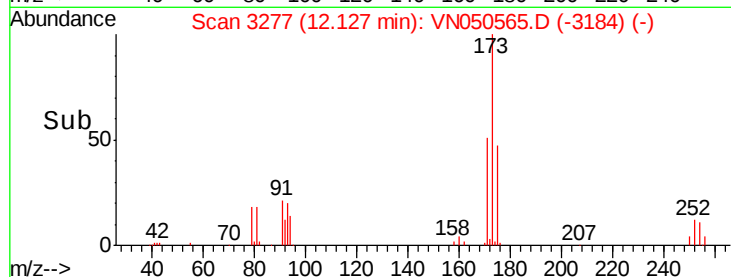
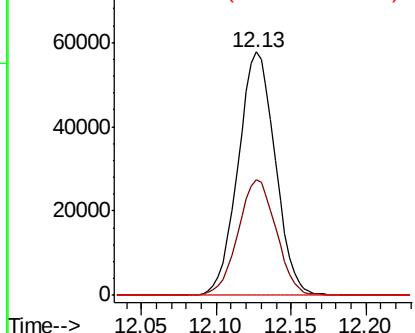
#71
Bromoform
Concen: 19.35 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion:173 Resp: 99568
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.2
254 0.0 0.2 0.2#

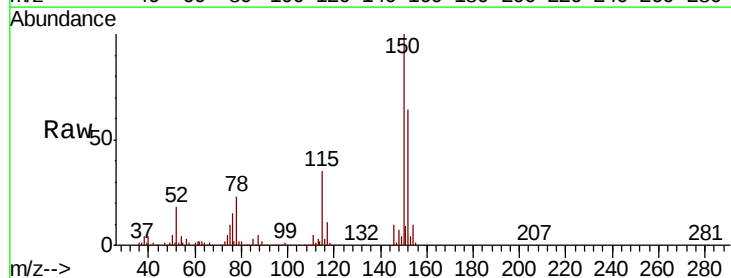


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

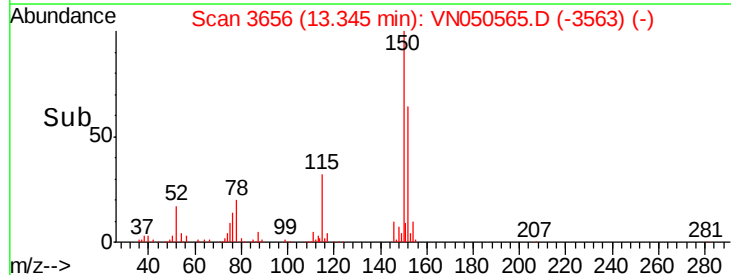
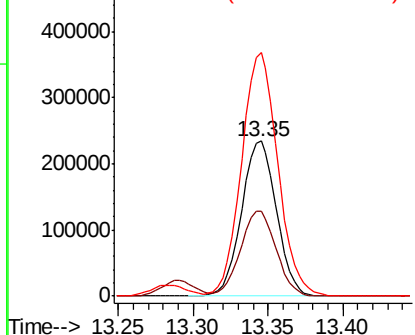


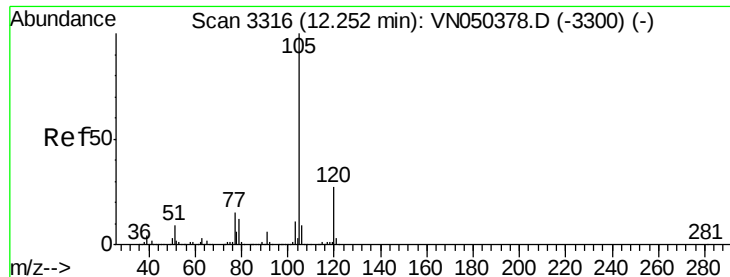
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion:152 Resp: 380138
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 163.9 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.00 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

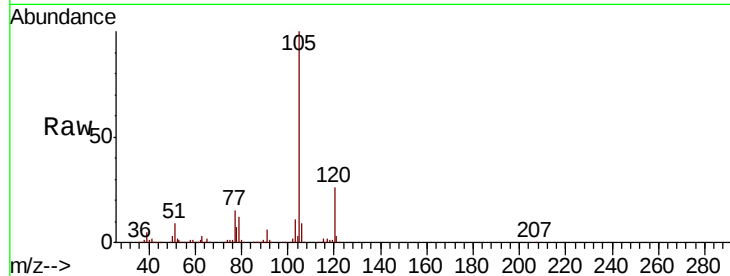
VN0813MBSD01

Tot Ion:105 Resp: 599171

Ion Ratio Lower Upper

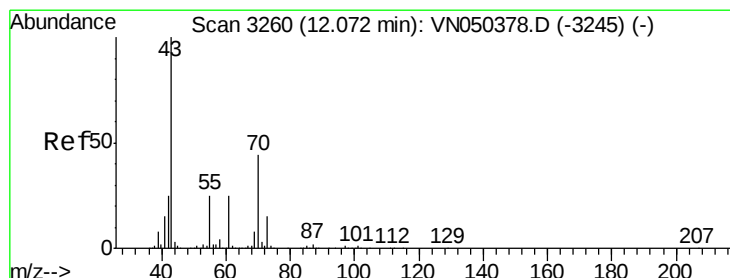
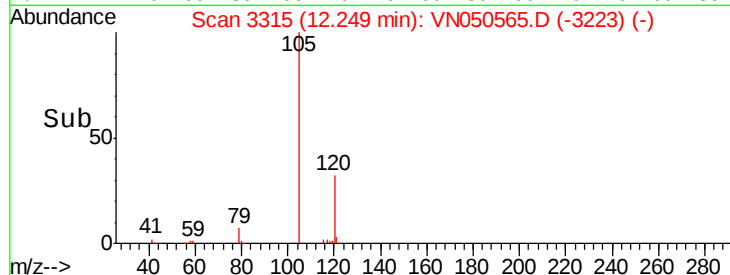
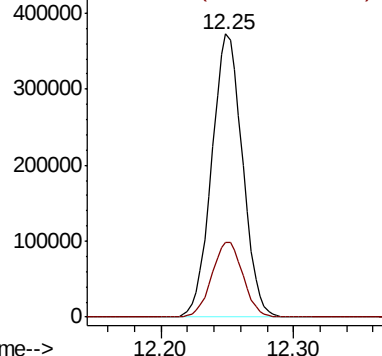
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.32 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion: 43 Resp: 169479

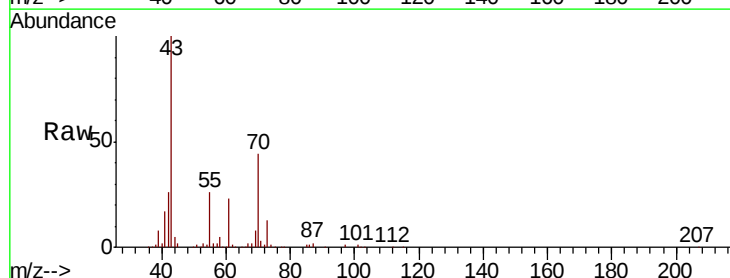
Ion Ratio Lower Upper

43 100

70 43.9 34.4 51.6

55 27.5 20.8 31.2

61 23.8 19.7 29.5

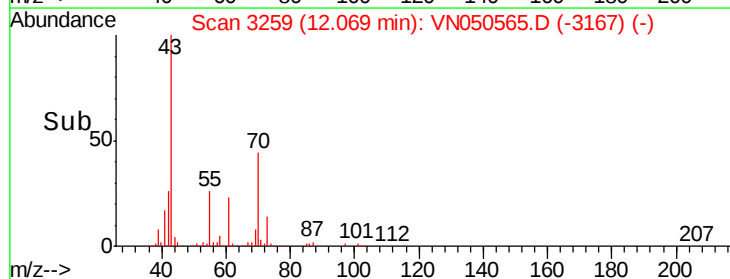
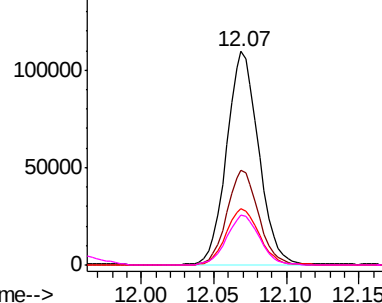


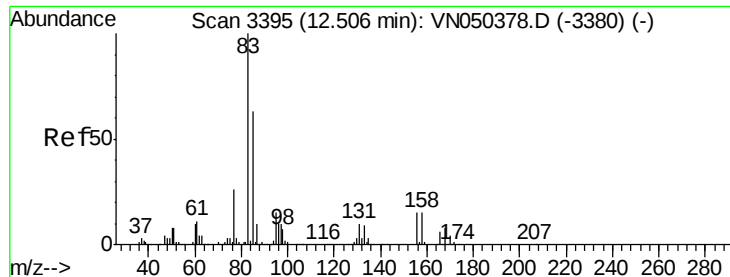
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.43 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

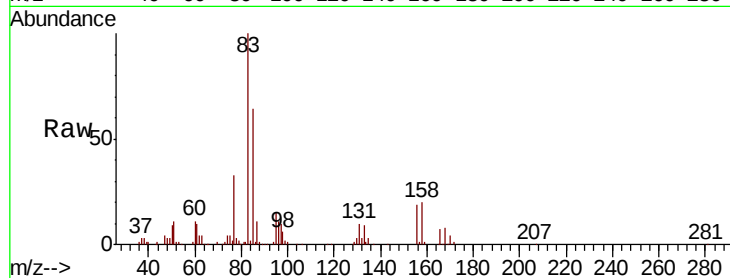
Tot Ion: 83 Resp: 168176

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

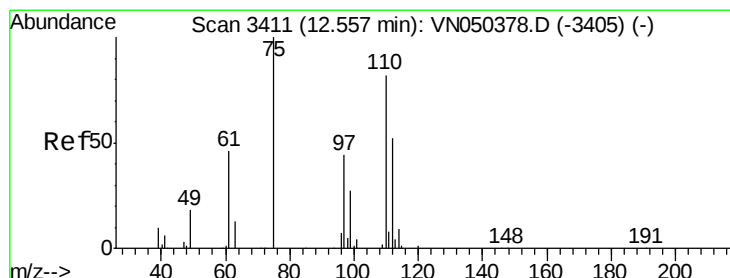
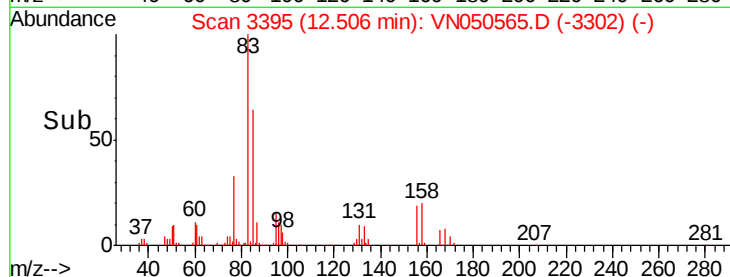
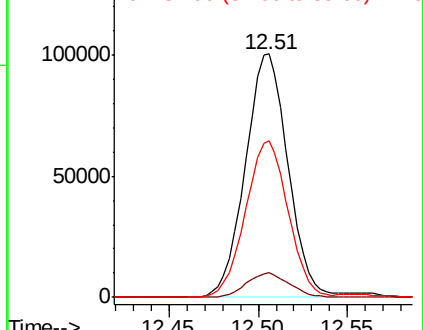
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.09 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050565.D

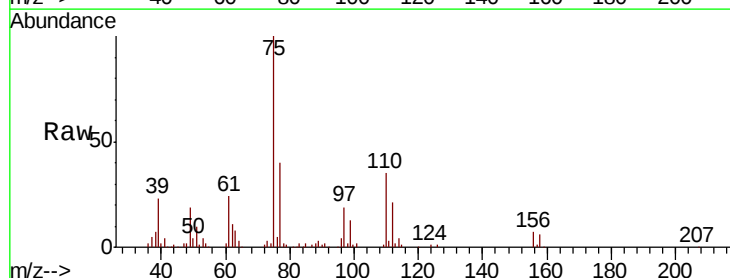
Acq: 13 Aug 2018 13:54

Tgt Ion: 75 Resp: 193292

Ion Ratio Lower Upper

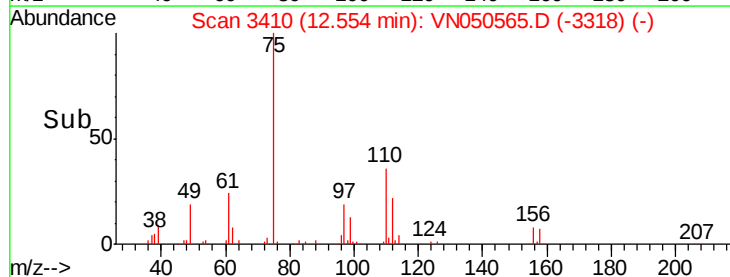
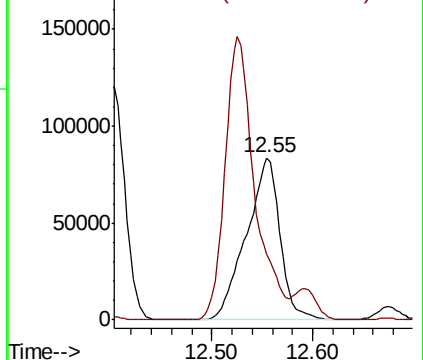
75 100

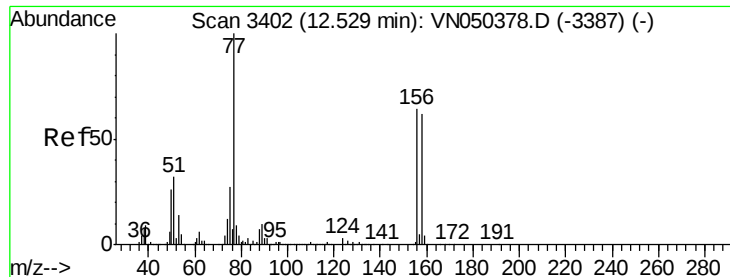
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.25 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

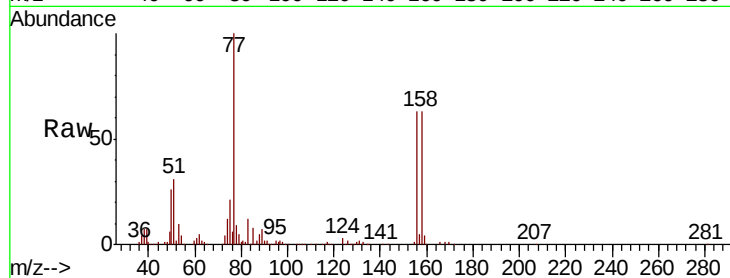
Tot Ion:156 Resp: 162415

Ion Ratio Lower Upper

156 100

77 185.3 91.7 275.1

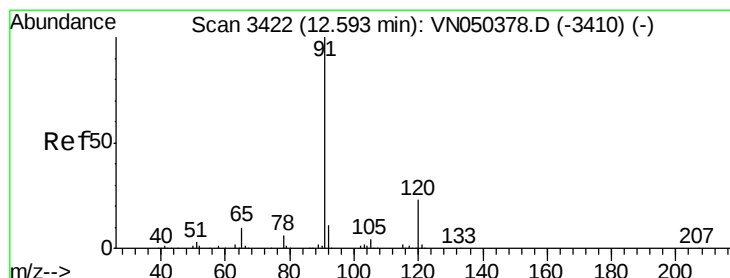
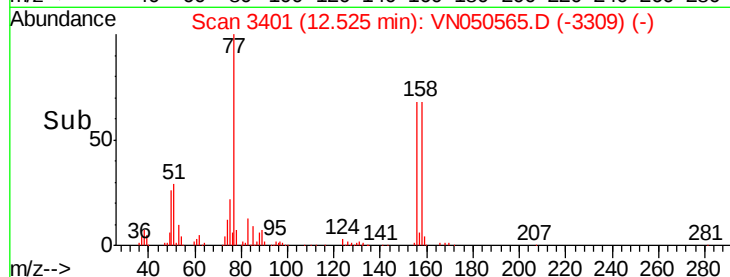
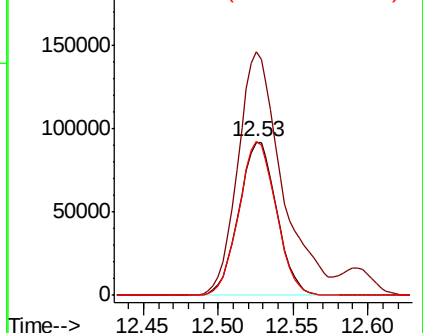
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050565.D

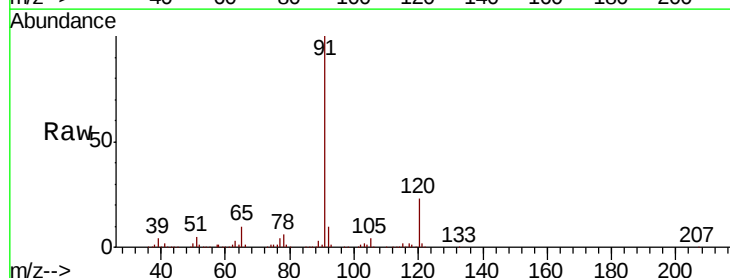
Acq: 13 Aug 2018 13:54

Tgt Ion: 91 Resp: 672256

Ion Ratio Lower Upper

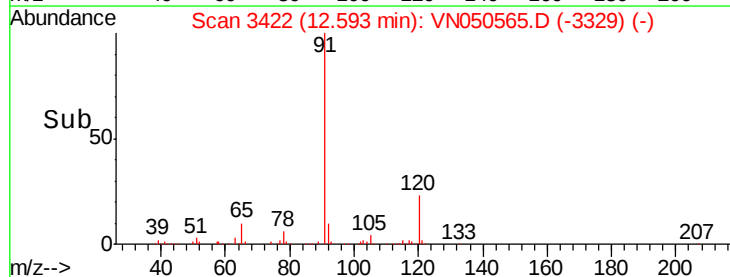
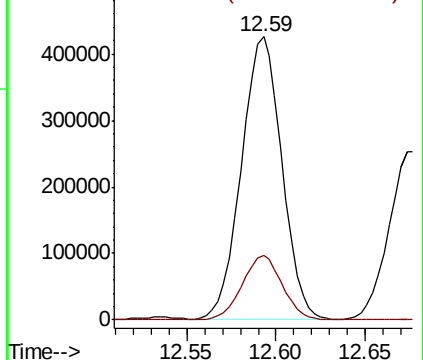
91 100

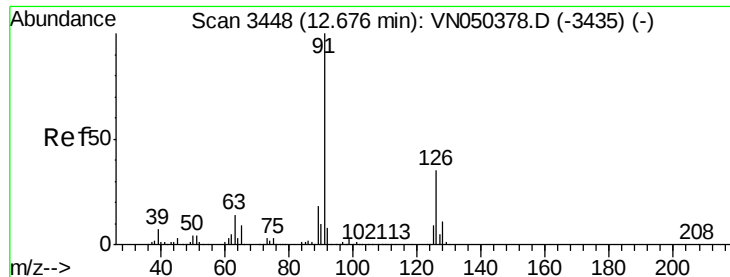
120 22.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

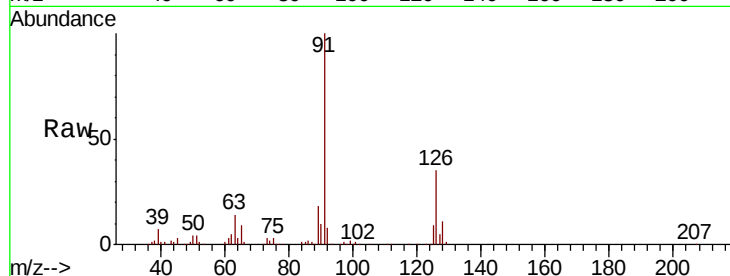
VN0813MBSD01

Tot Ion: 91 Resp: 421532

Ion Ratio Lower Upper

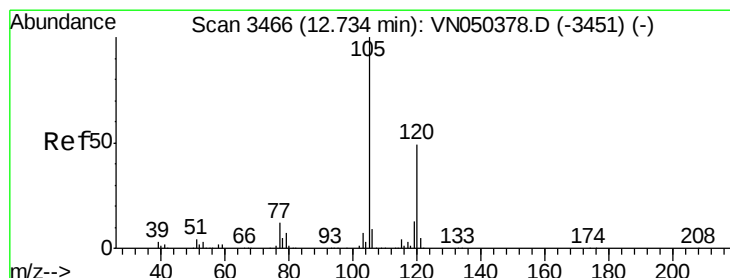
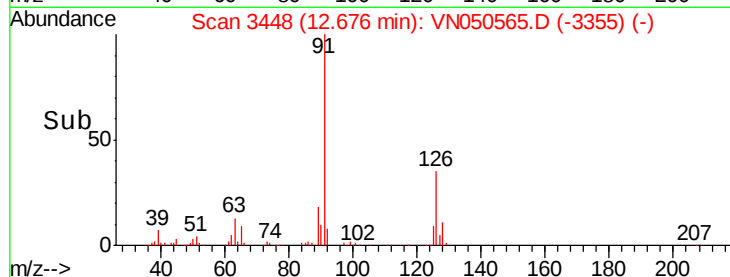
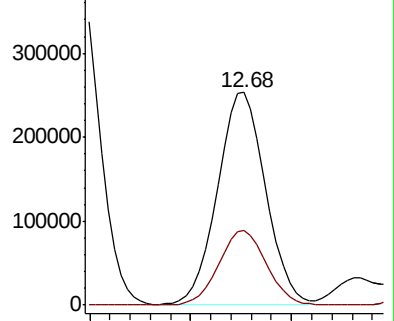
91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050565.D

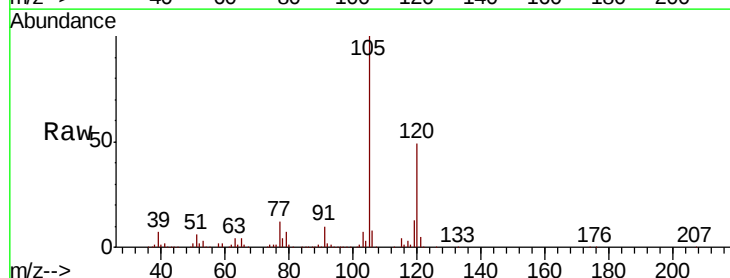
Acq: 13 Aug 2018 13:54

Tgt Ion:105 Resp: 497015

Ion Ratio Lower Upper

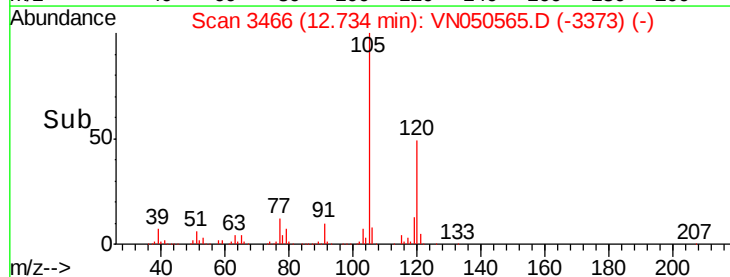
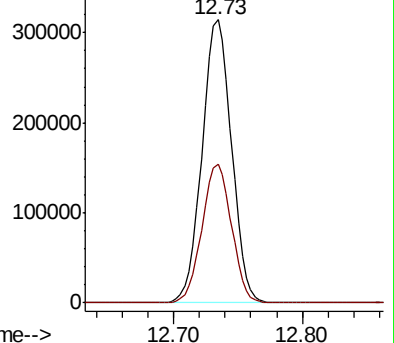
105 100

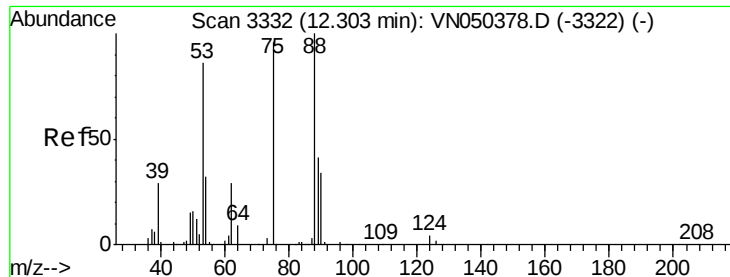
120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.37 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

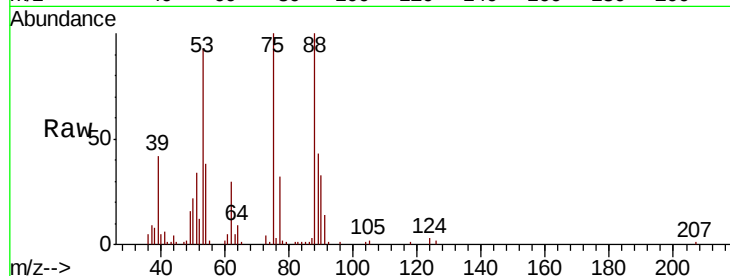
Tot Ion: 75 Resp: 37943

Ion Ratio Lower Upper

75 100

53 95.7 73.5 110.3

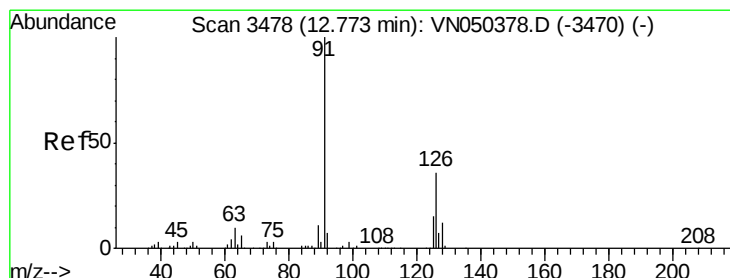
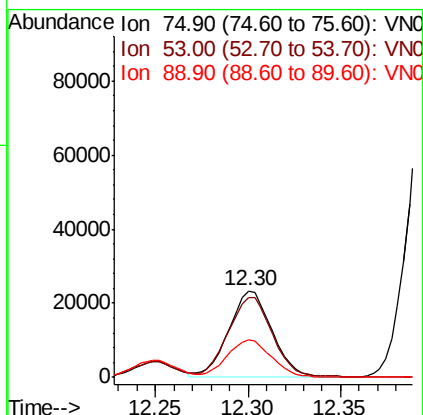
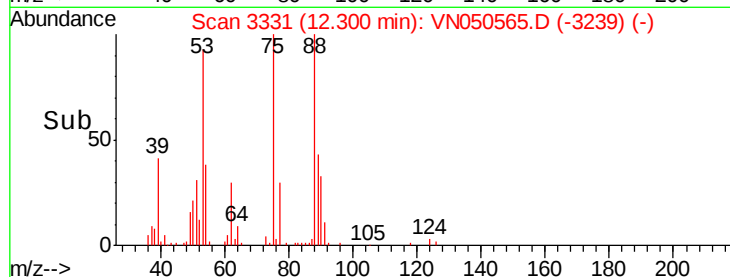
89 44.5 36.0 54.0



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: 21.43 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050565.D

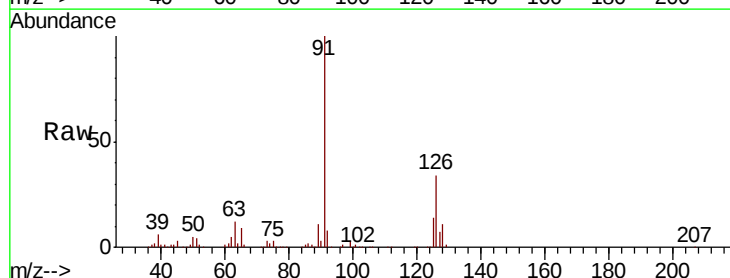
Acq: 13 Aug 2018 13:54

Tgt Ion: 91 Resp: 426347

Ion Ratio Lower Upper

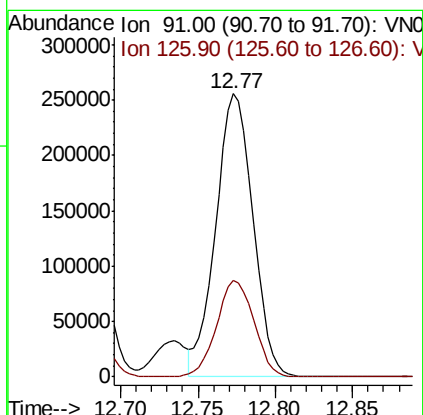
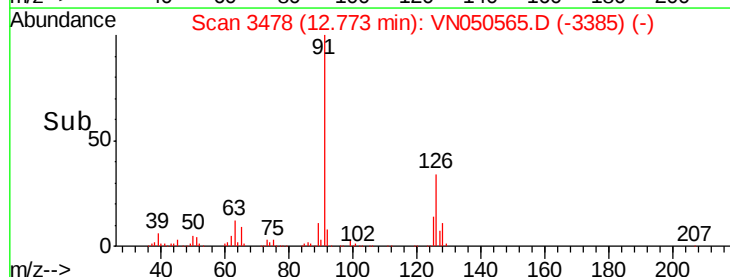
91 100

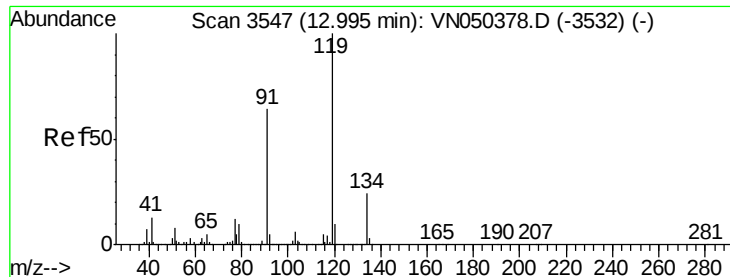
126 34.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

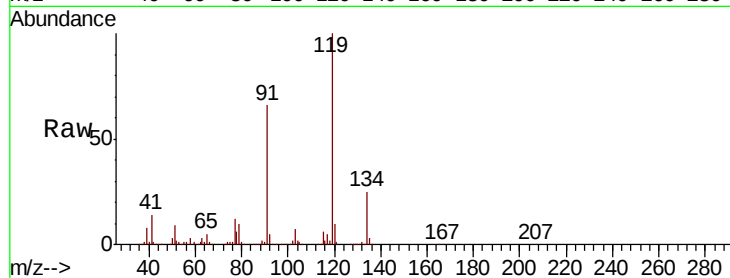
Tot Ion:119 Resp: 408797

Ion Ratio Lower Upper

119 100

91 64.6 32.1 96.3

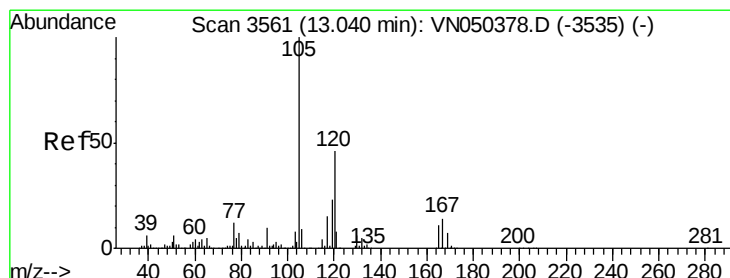
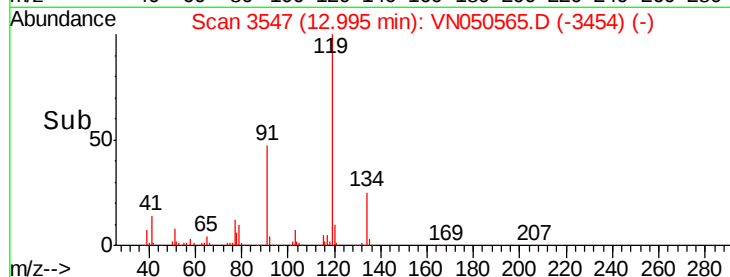
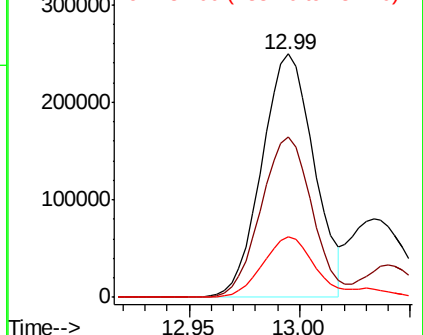
134 24.3 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.67 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050565.D

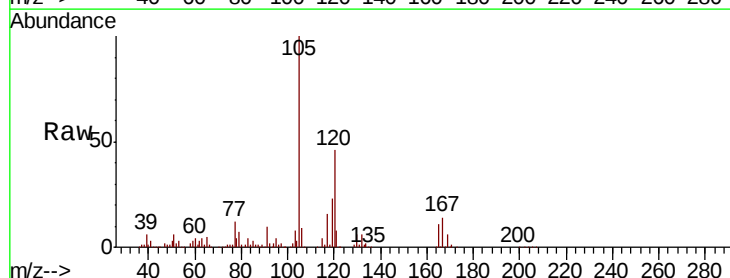
Acq: 13 Aug 2018 13:54

Tgt Ion:105 Resp: 508603

Ion Ratio Lower Upper

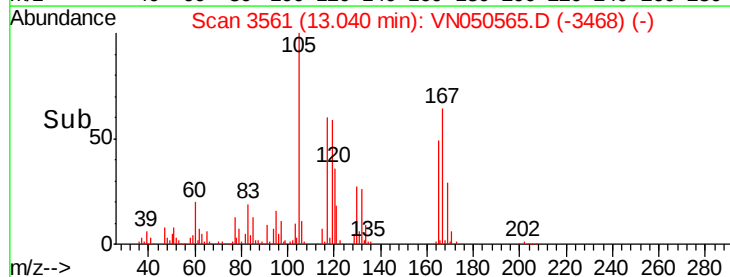
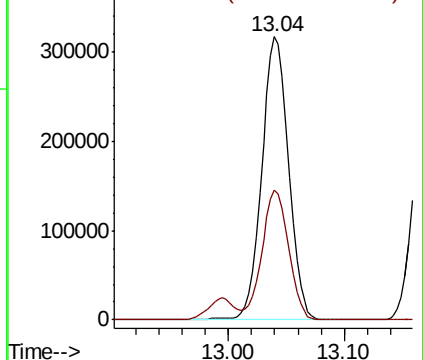
105 100

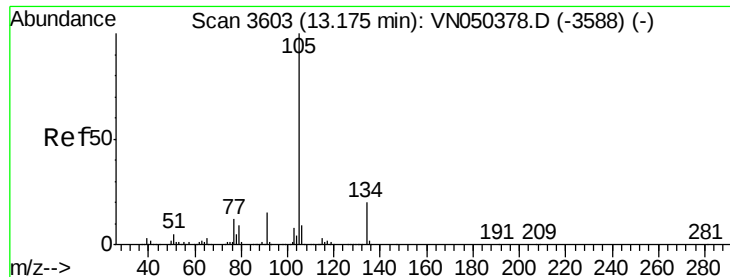
120 45.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.38 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

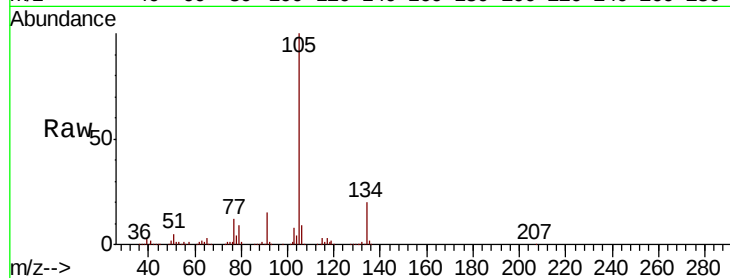
VN0813MBSD01

Tot Ion:105 Resp: 548893

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

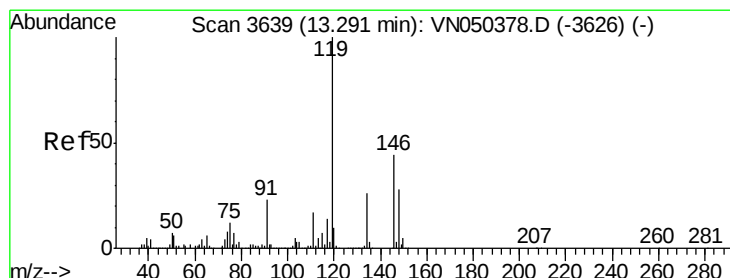
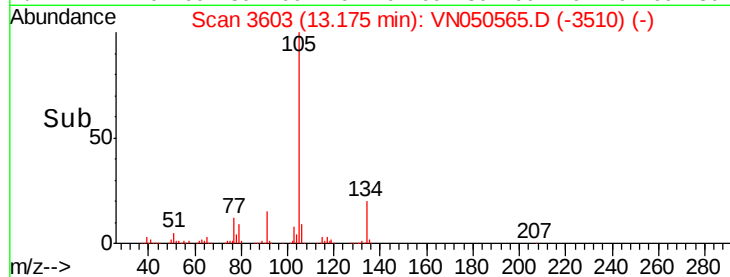
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.17 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

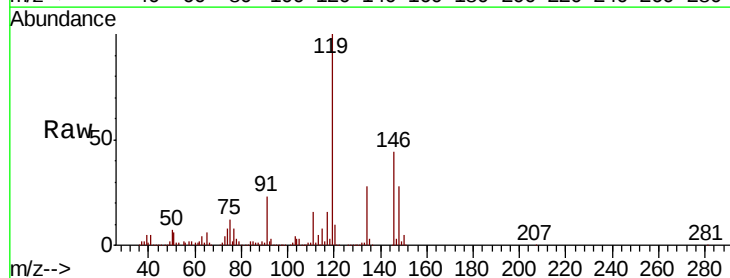
Tgt Ion:119 Resp: 465655

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 23.4 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

13.29

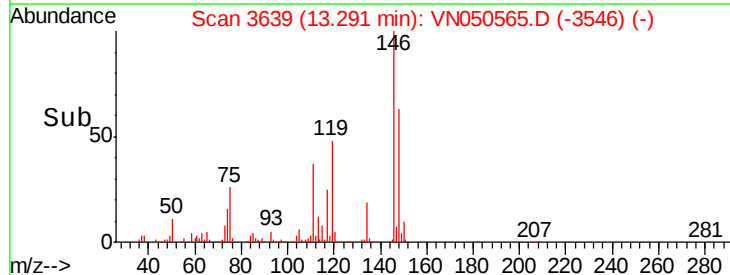
300000

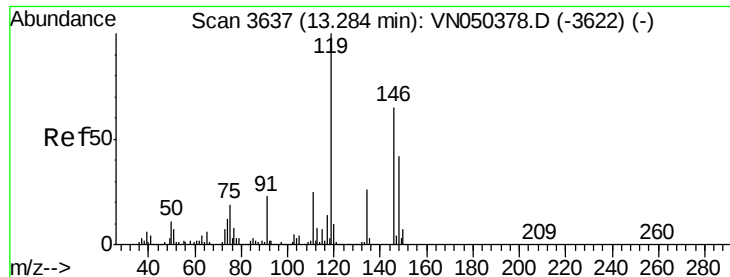
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.30 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

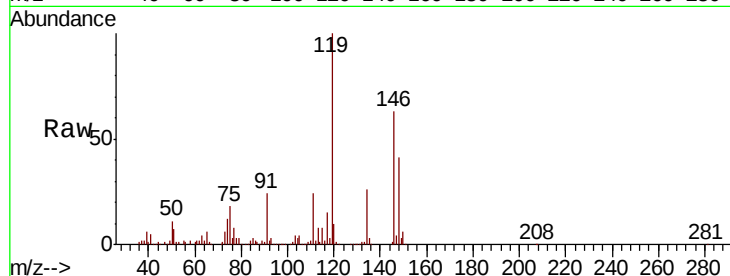
Tot Ion:146 Resp: 276427

Ion Ratio Lower Upper

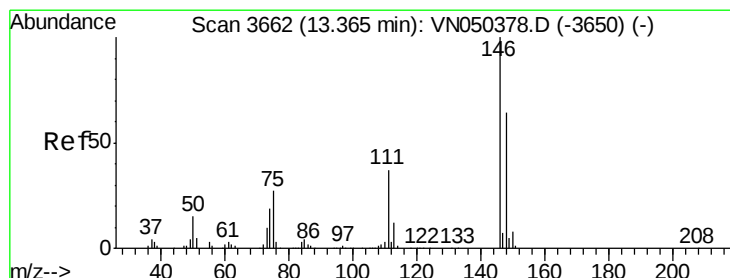
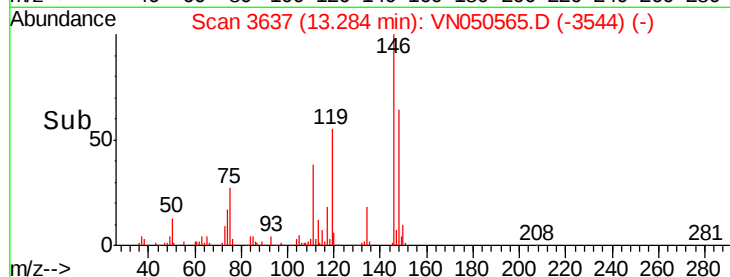
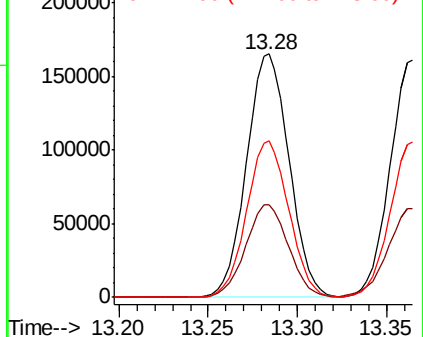
146 100

111 38.1 18.8 56.4

148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.44 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

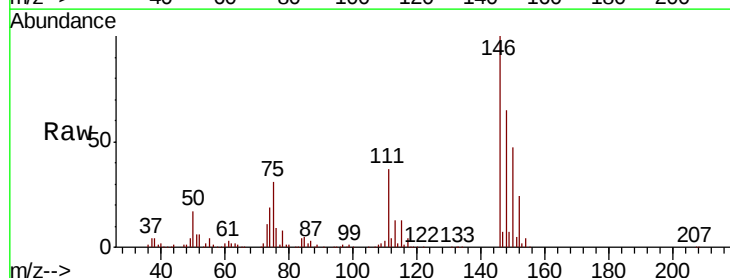
Tgt Ion:146 Resp: 264355

Ion Ratio Lower Upper

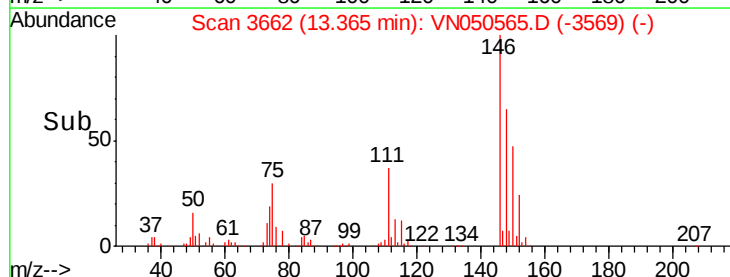
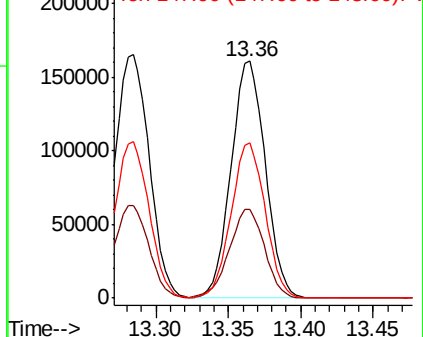
146 100

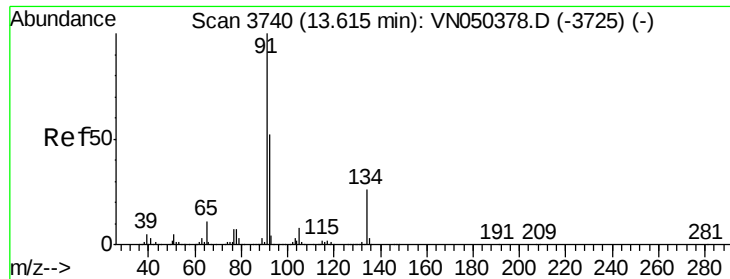
111 38.7 18.3 54.9

148 65.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

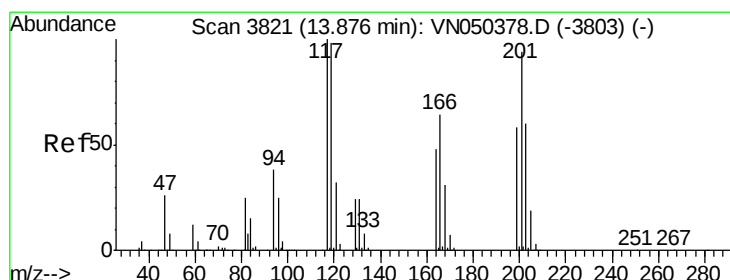
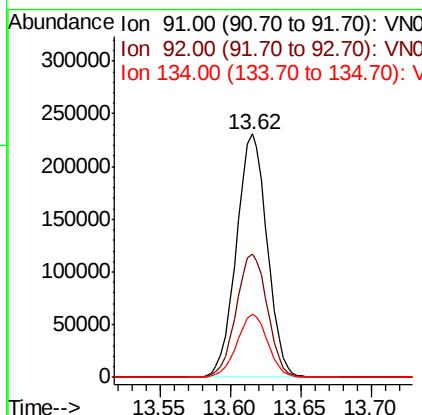
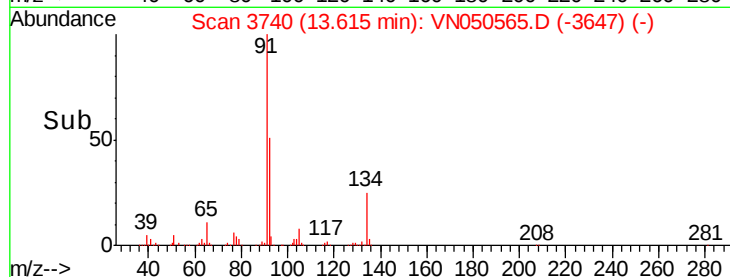
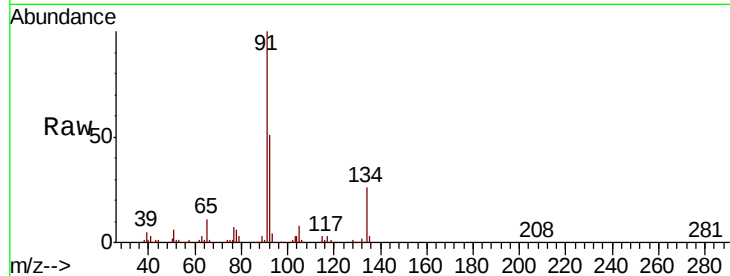




#89
n-Butylbenzene
Concen: 17.99 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

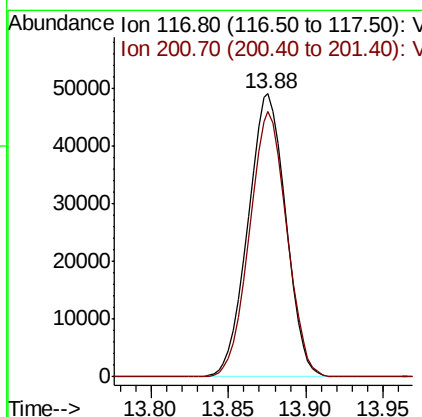
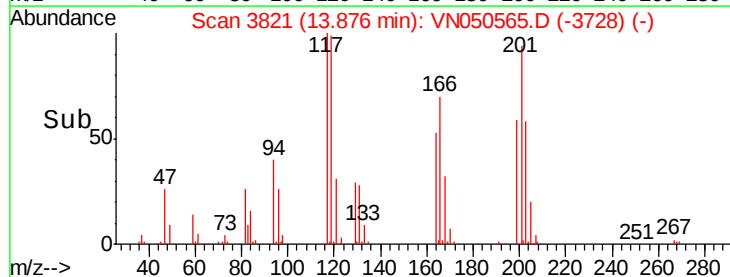
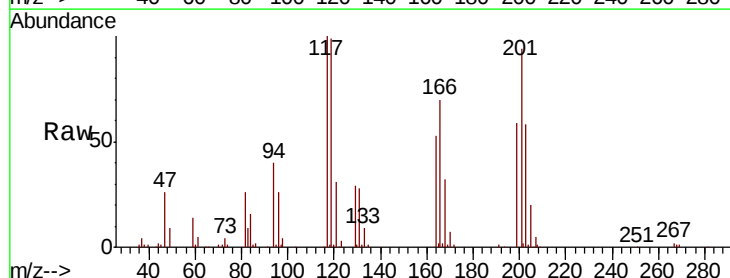
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

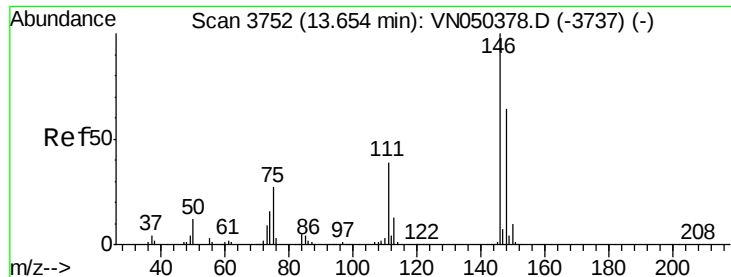
Tot Ion: 91 Resp: 353598
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 25.9 12.8 38.4



#90
Hexachloroethane
Concen: 20.36 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 117 Resp: 83581
Ion Ratio Lower Upper
117 100
201 92.1 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.79 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

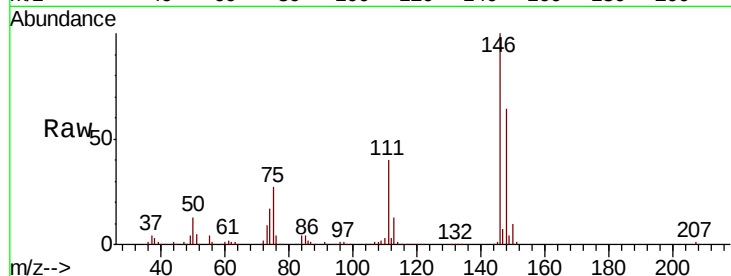
Tot Ion:146 Resp: 270138

Ion Ratio Lower Upper

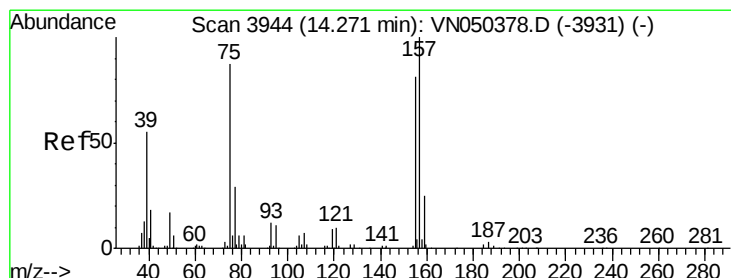
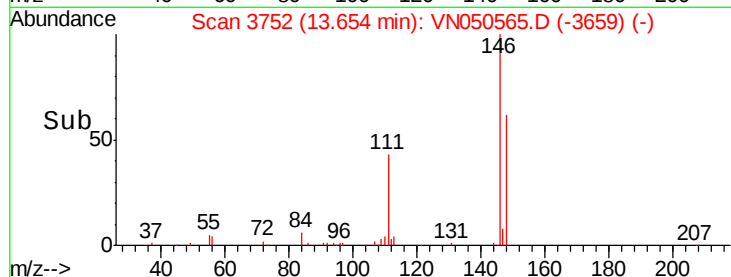
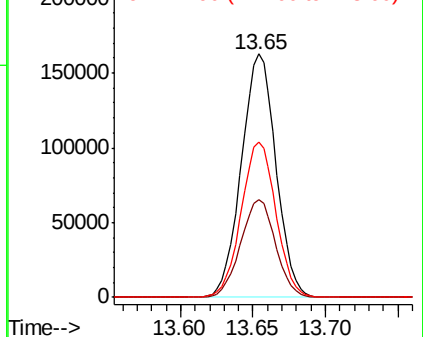
146 100

111 40.5 19.6 58.7

148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.43 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

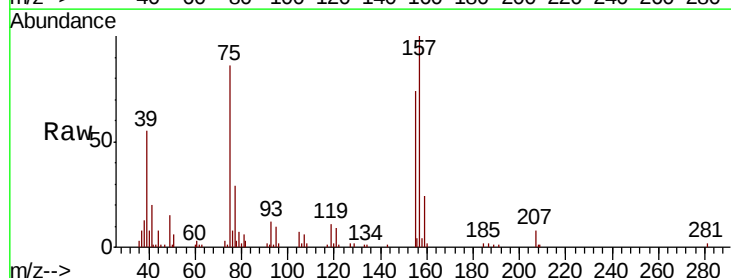
Tgt Ion: 75 Resp: 22966

Ion Ratio Lower Upper

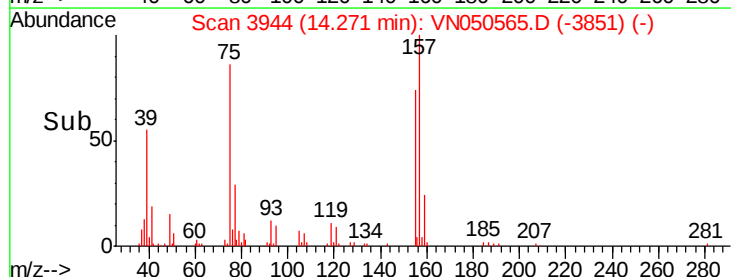
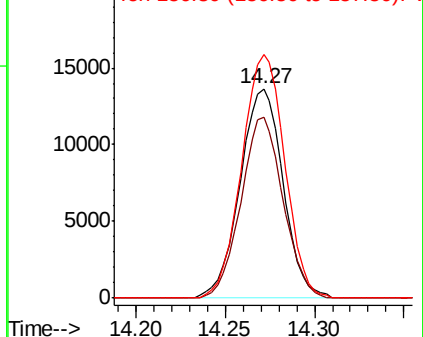
75 100

155 84.3 44.8 134.4

157 115.9 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

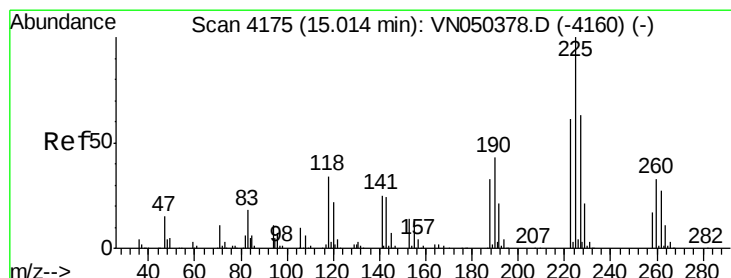
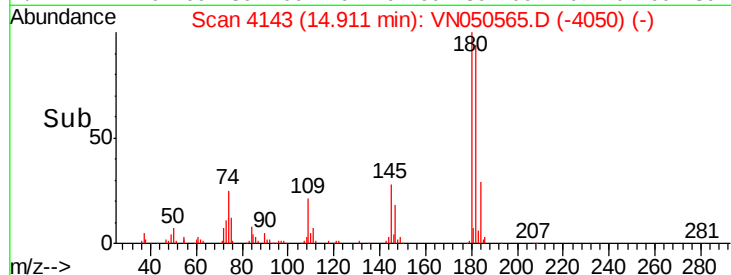
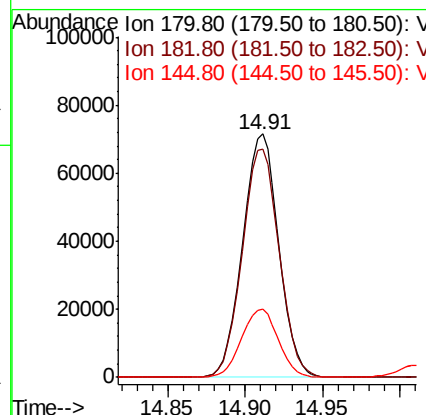
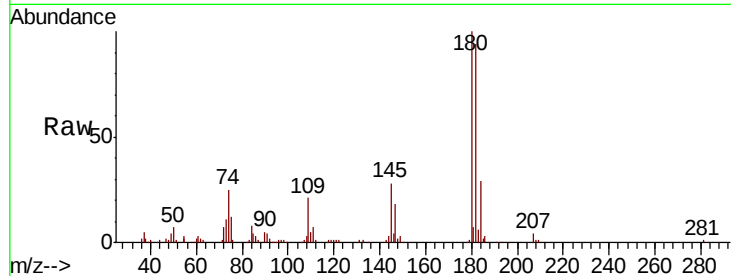




#93
 1,2,4-Trichlorobenzene
 Concen: 16.69 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

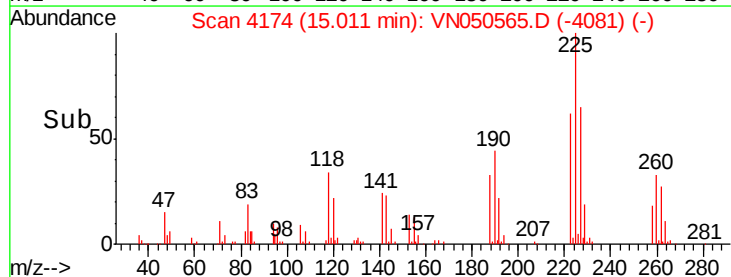
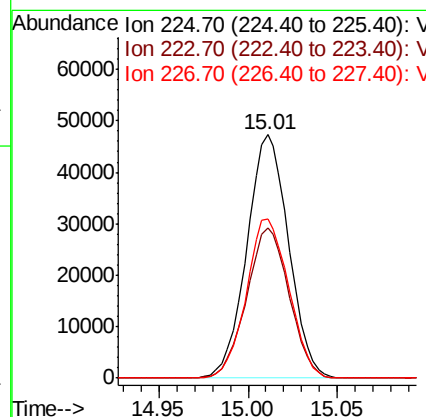
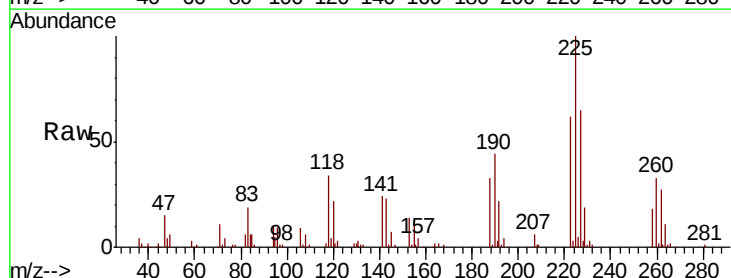
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

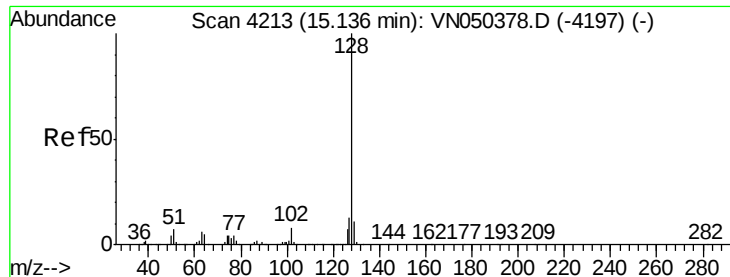
Tot Ion:180 Resp: 116021
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.7 140.1
 145 28.5 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion:225 Resp: 77511
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 66.5 32.1 96.5





#95

Naphthalene

Concen: 15.46 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0813MBSD01

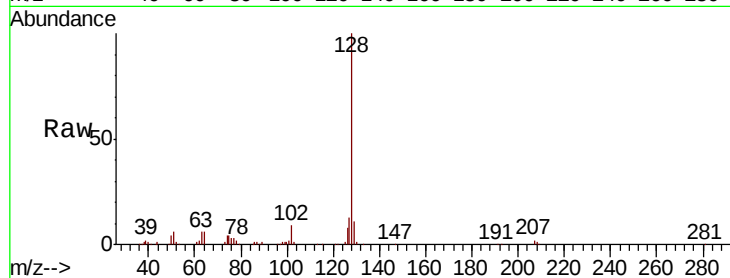
Tot Ion:128 Resp: 234992

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

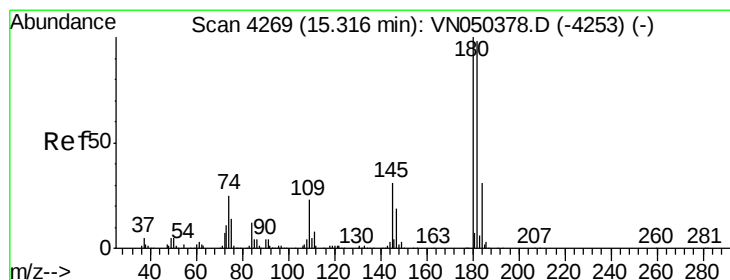
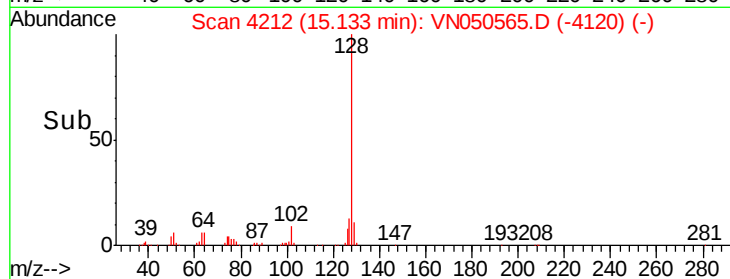
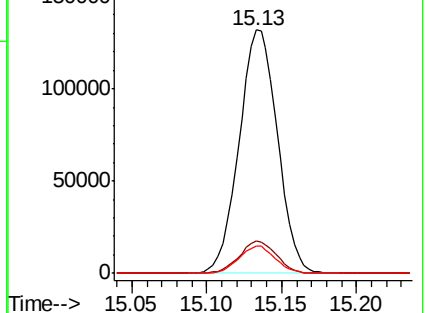
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.28 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

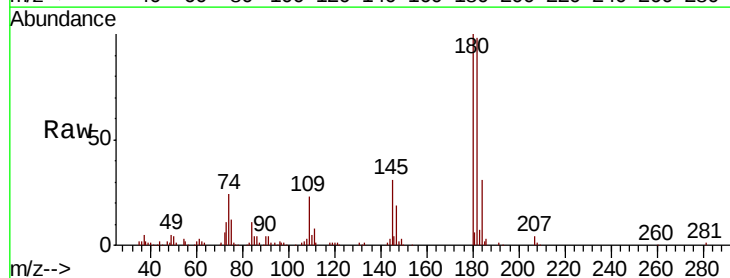
Tgt Ion:180 Resp: 114410

Ion Ratio Lower Upper

180 100

182 96.7 48.1 144.4

145 31.0 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

