

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050561.D
 Acq On : 13 Aug 2018 12:16
 Operator : MD\SY
 Sample : VN0813MBS01
 Misc : 5.00µg/10ml/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Quant Time: Aug 14 00:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	456940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	419084	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
35) Dibromofluoromethane	7.59	113	392957	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	10.09	98	1447861	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.40	95	471924	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	133460	17.17	ug/l	100
3) Chloromethane	2.06	50	172248	17.81	ug/l	100
4) Vinyl Chloride	2.18	62	178207	17.71	ug/l	97
5) Bromomethane	2.56	94	97757	20.14	ug/l	98
6) Chloroethane	2.70	64	111279	17.95	ug/l	97
7) Trichlorofluoromethane	3.01	101	235973	18.16	ug/l	96
8) Diethyl Ether	3.41	74	81511	17.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149590	18.63	ug/l	99
10) Methyl Iodide	3.95	142	76784	21.70	ug/l	99
11) Tert butyl alcohol	4.80	59	44350	59.00	ug/l	100
12) 1,1-Dichloroethene	3.74	96	131088	17.31	ug/l	98
13) Acrolein	3.61	56	32809	46.56	ug/l	97
14) Allyl chloride	4.33	41	212112	17.45	ug/l	97
15) Acrylonitrile	5.00	53	243535	77.35	ug/l	99
16) Acetone	3.82	43	215221	76.88	ug/l	99
17) Carbon Disulfide	4.05	76	384231	15.61	ug/l	99
18) Methyl Acetate	4.33	43	129201	17.69	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	356502	16.59	ug/l	98
20) Methylene Chloride	4.55	84	159826	17.73	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	144137	17.59	ug/l	95
22) Diisopropyl ether	5.96	45	469900	18.92	ug/l	98
23) Vinyl Acetate	5.90	43	1478143	83.41	ug/l	99
24) 1,1-Dichloroethane	5.85	63	280730	18.42	ug/l	99
25) 2-Butanone	6.84	43	347764	75.00	ug/l	99
26) 2,2-Dichloropropane	6.82	77	228269	18.17	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	165357	18.21	ug/l	99
28) Bromochloromethane	7.20	49	124967	17.81	ug/l	99
29) Tetrahydrofuran	7.22	42	179527	72.34	ug/l	98
30) Chloroform	7.37	83	282223	18.52	ug/l	99
31) Cyclohexane	7.65	56	237282	17.28	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240153	18.35	ug/l	99
36) 1,1-Dichloropropene	7.80	75	208214	18.56	ug/l	99
37) Ethyl Acetate	6.93	43	128687	15.93	ug/l	99
38) Carbon Tetrachloride	7.77	117	211929	18.11	ug/l	99

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 Misc : 5.00µl/10ml/100µl/5.00mL/MSVOA_N/MEOH
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210476	17.19	ug/l	100
40) Benzene	8.04	78	642927	18.64	ug/l	100
41) Methacrylonitrile	7.18	41	65929	15.34	ug/l	86
42) 1,2-Dichloroethane	8.13	62	200417	18.30	ug/l	100
43) Isopropyl Acetate	8.17	43	219574	15.74	ug/l	98
44) Trichloroethene	8.84	130	166987	18.02	ug/l	98
45) 1,2-Dichloropropane	9.12	63	171892	18.95	ug/l	99
46) Dibromomethane	9.21	93	100346	17.92	ug/l	99
47) Bromodichloromethane	9.40	83	212703	18.34	ug/l	98
48) Methyl methacrylate	9.20	41	105776	15.13	ug/l	95
49) 1,4-Dioxane	9.20	88	28836	267.59	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	777642	77.41	ug/l	100
52) Toluene	10.16	92	394982	19.06	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	205674	17.66	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	243984	18.77	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	144462	17.86	ug/l	97
56) Ethyl methacrylate	10.43	69	167491	15.84	ug/l	98
57) 1,3-Dichloropropane	10.71	76	237740	17.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	400825	80.29	ug/l	100
59) 2-Hexanone	10.75	43	511965	73.03	ug/l	100
60) Dibromochloromethane	10.90	129	160479	18.01	ug/l	99
61) 1,2-Dibromoethane	11.01	107	138001	17.31	ug/l	99
64) Tetrachloroethene	10.63	164	156055	18.11	ug/l	97
65) Chlorobenzene	11.44	112	427246	18.48	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161722	19.22	ug/l	99
67) Ethyl Benzene	11.51	91	703824	18.83	ug/l	100
68) m/p-Xylenes	11.62	106	548495	38.55	ug/l	100
69) o-Xylene	11.95	106	257687	18.80	ug/l	99
70) Styrene	11.96	104	425137	19.08	ug/l	99
71) Bromoform	12.13	173	106795	17.37	ug/l #	100
73) Isopropylbenzene	12.25	105	692600	20.19	ug/l	99
74) N-amyl acetate	12.07	43	176331	15.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	175783	17.76	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	203780	24.64	ug/l #	100
77) Bromobenzene	12.53	156	179852	19.57	ug/l	100
78) n-propylbenzene	12.59	91	782406	20.15	ug/l	99
79) 2-Chlorotoluene	12.68	91	475155	19.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	567418	20.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40541	17.22	ug/l	98
82) 4-Chlorotoluene	12.77	91	481653	20.14	ug/l	99
83) tert-Butylbenzene	12.99	119	486342	20.02	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	575449	20.40	ug/l	99
85) sec-Butylbenzene	13.17	105	639266	19.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	539852	19.46	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	308987	18.88	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	302305	18.50	ug/l	99
89) n-Butylbenzene	13.62	91	416461	17.63	ug/l	99
90) Hexachloroethane	13.88	117	99265	20.12	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	297416	18.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22603	13.45	ug/l	93

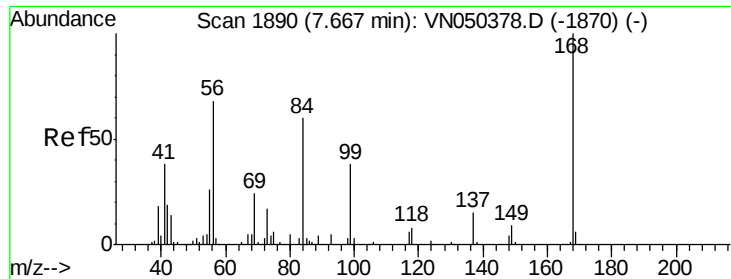
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081318\
Data File : VN050561.D
Acq On : 13 Aug 2018 12:16
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Quant Time: Aug 14 00:56:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	129932	15.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	89132	18.49	ug/l	99
95) Naphthalene	15.13	128	251069	14.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	128329	15.19	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

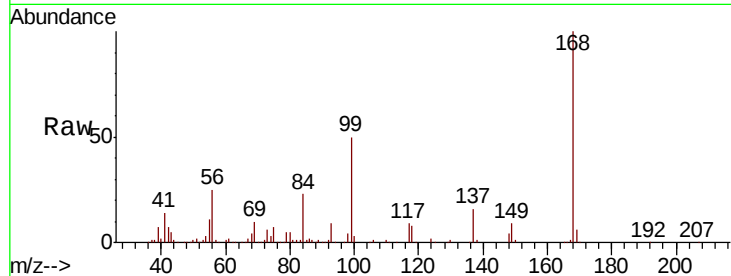
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion:168 Resp: 700321

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

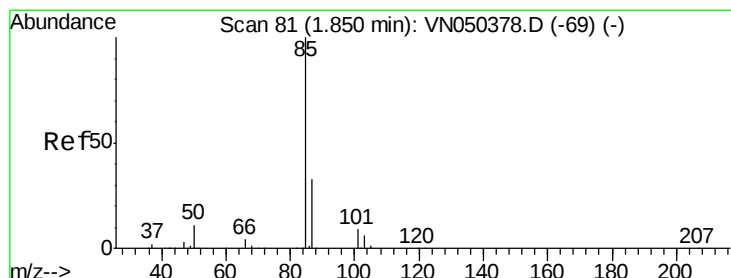
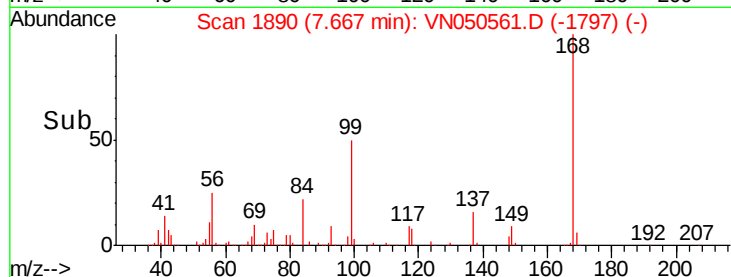
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.17 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050561.D

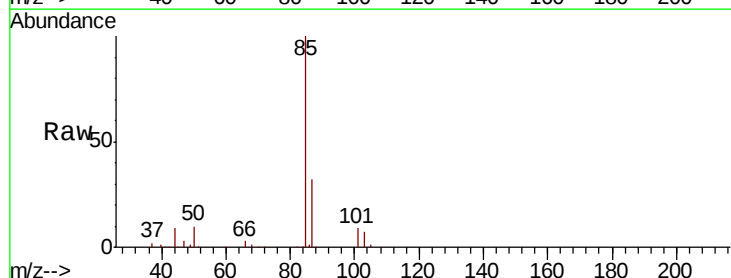
Acq: 13 Aug 2018 12:16

Tgt Ion: 85 Resp: 133460

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

60000

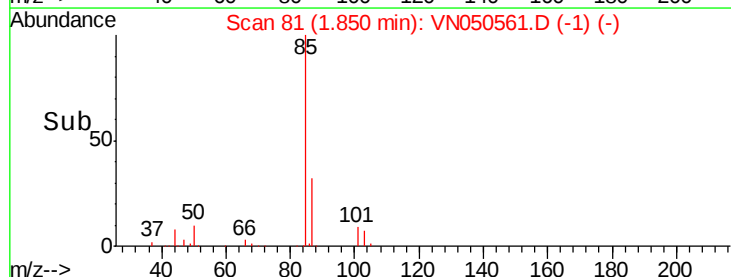
40000

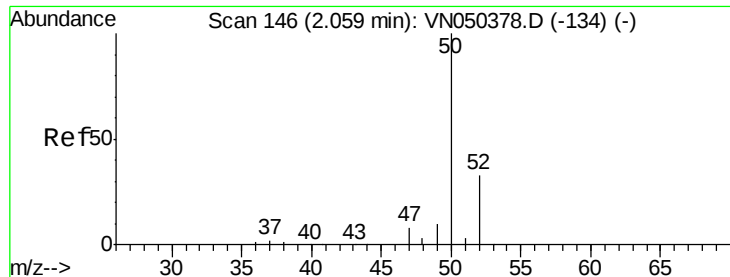
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.81 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

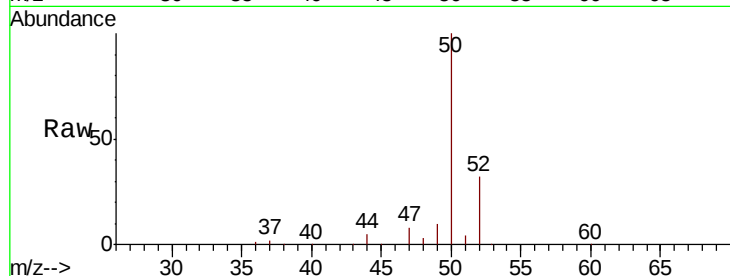
VN0813MBS01

Tot Ion: 50 Resp: 172248

Ion Ratio Lower Upper

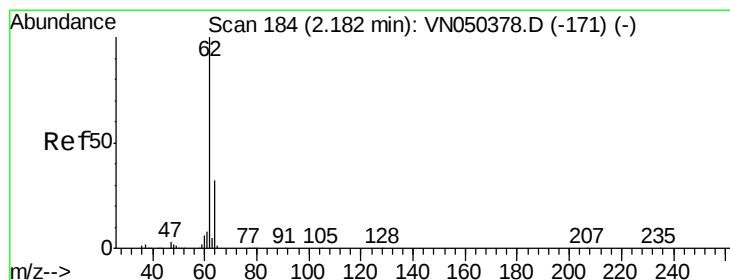
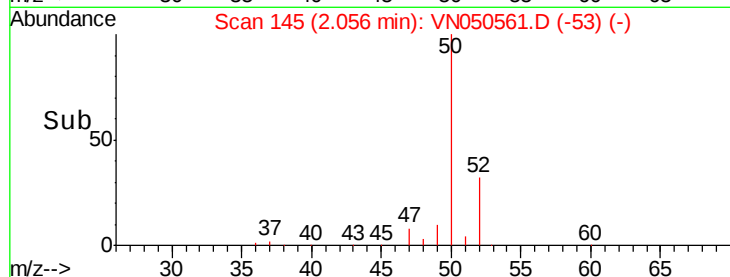
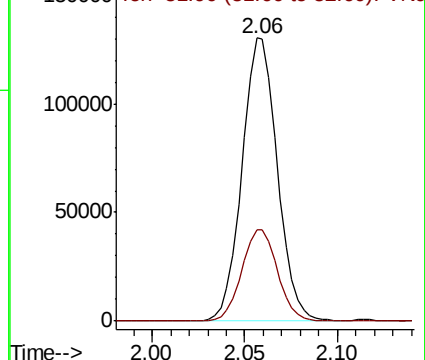
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.71 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050561.D

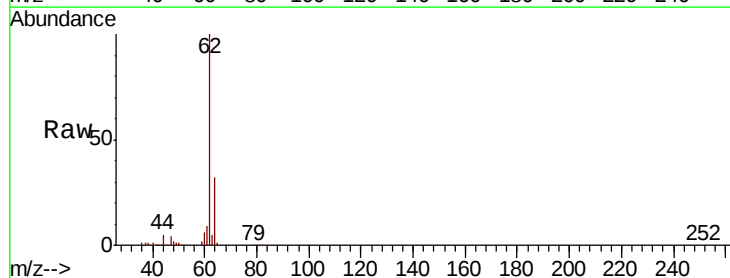
Acq: 13 Aug 2018 12:16

Tgt Ion: 62 Resp: 178207

Ion Ratio Lower Upper

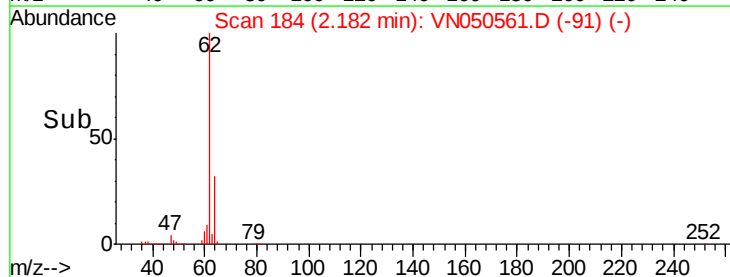
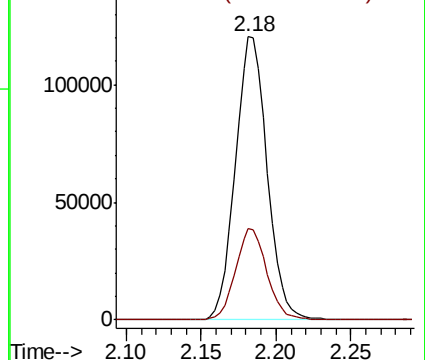
62 100

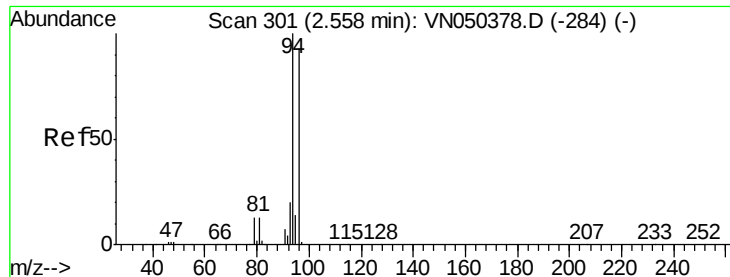
64 32.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.14 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

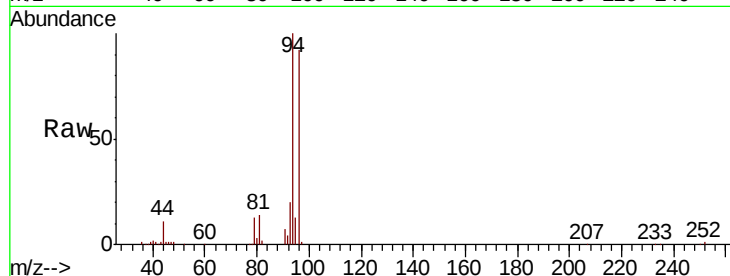
VN0813MBS01

Tot Ion: 94 Resp: 97757

Ion Ratio Lower Upper

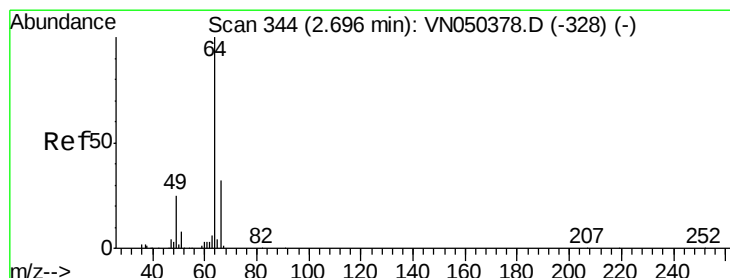
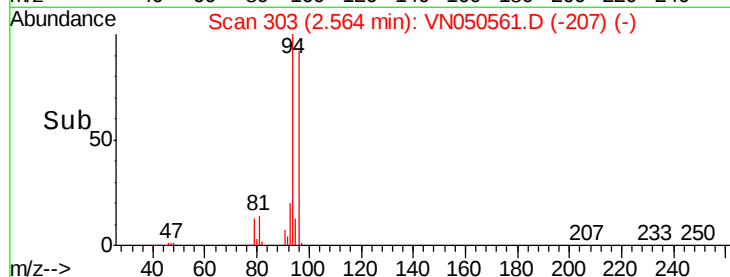
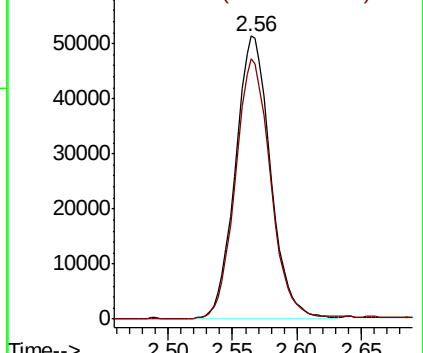
94 100

96 91.7 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: 17.95 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050561.D

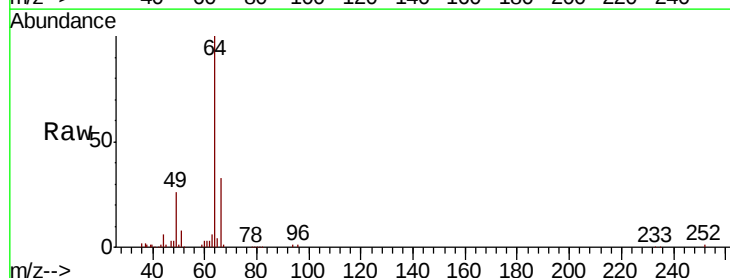
Acq: 13 Aug 2018 12:16

Tgt Ion: 64 Resp: 111279

Ion Ratio Lower Upper

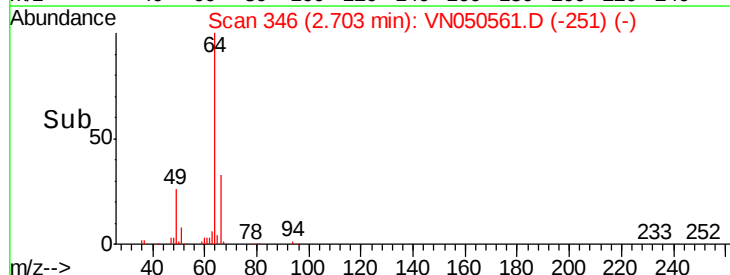
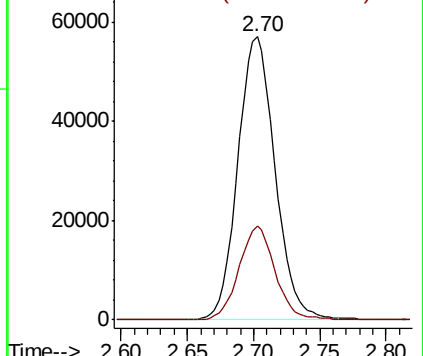
64 100

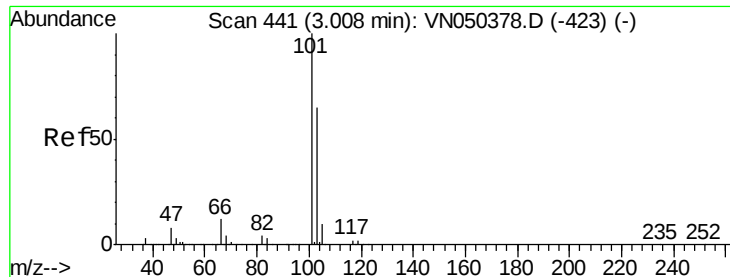
66 33.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



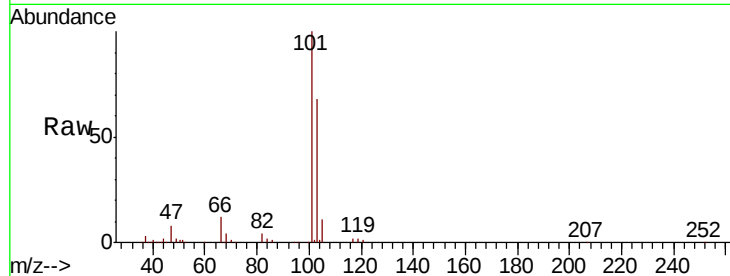


#7

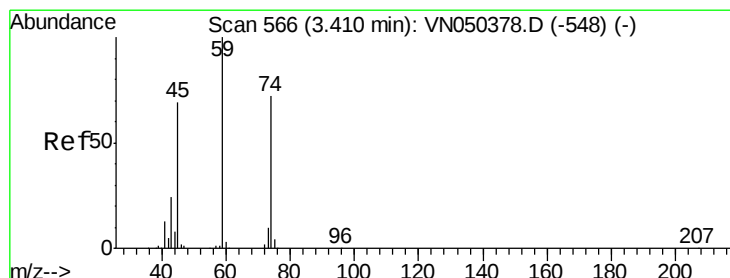
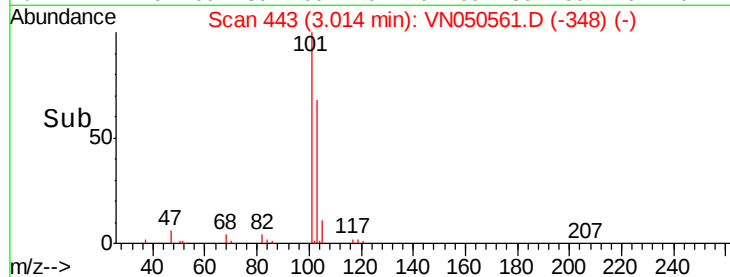
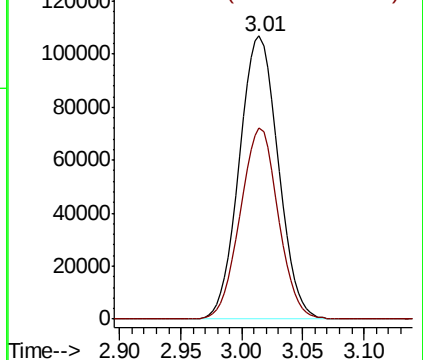
Trichlorofluoromethane
 Concen: 18.16 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Tot Ion:101 Resp: 235973
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.7 77.5



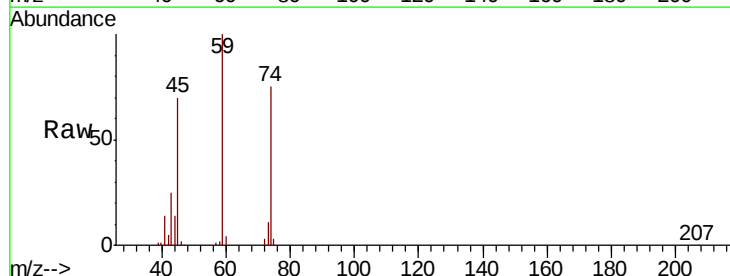
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



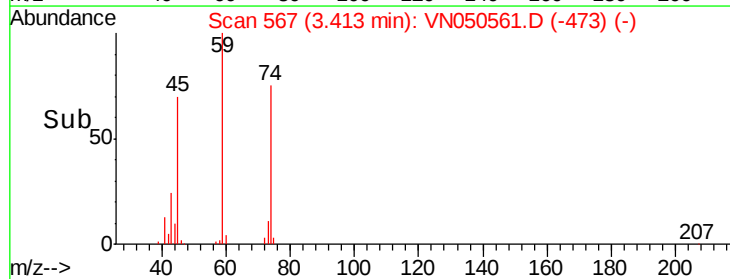
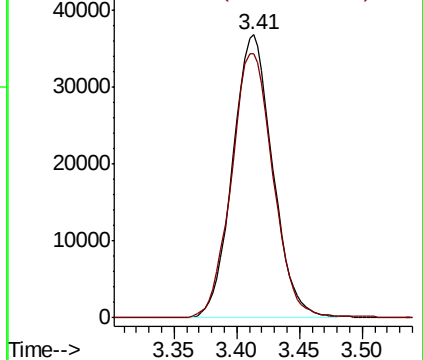
#8

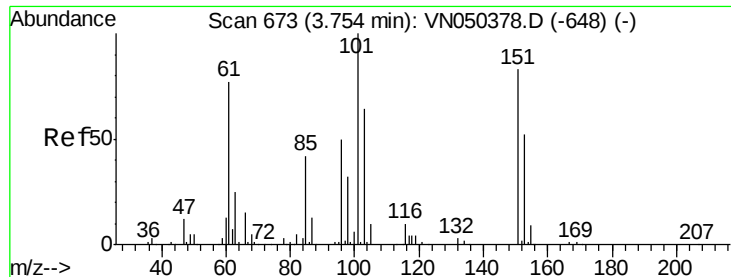
Diethyl Ether
 Concen: 17.10 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 74 Resp: 81511
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.63 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

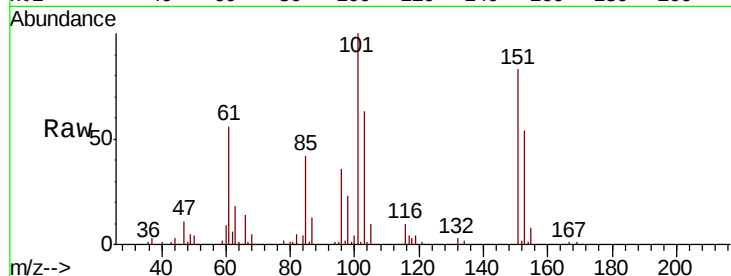
Tot Ion:101 Resp: 149590

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

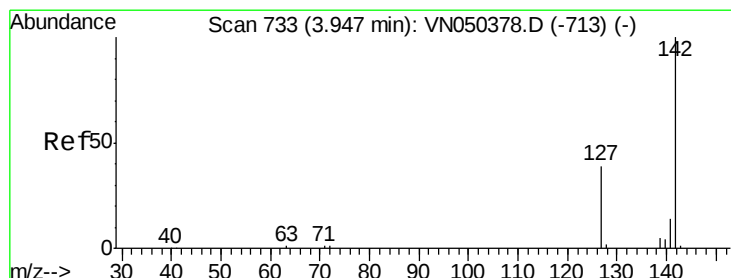
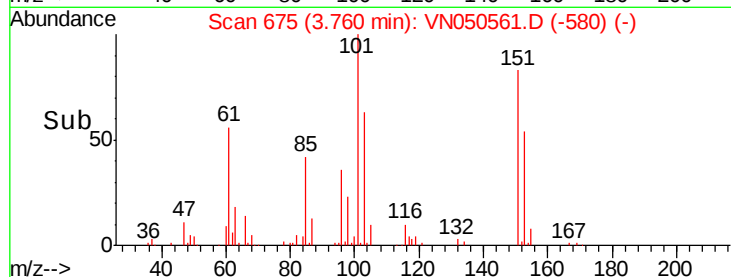
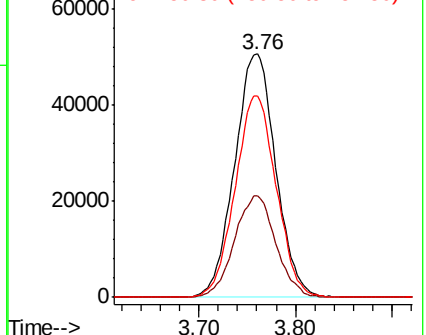
151 82.6 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.70 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

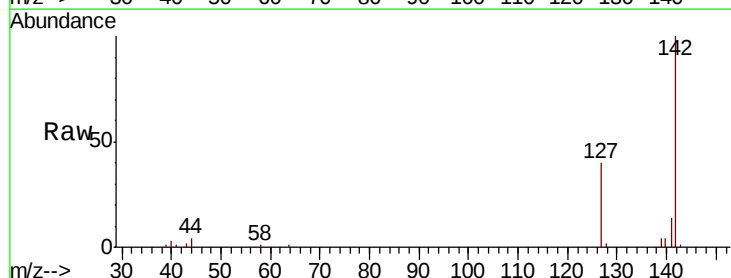
Tgt Ion:142 Resp: 76784

Ion Ratio Lower Upper

142 100

127 41.1 33.4 50.2

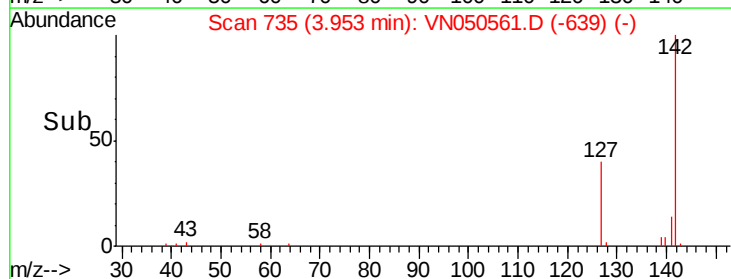
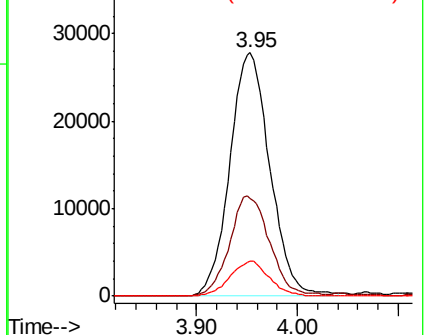
141 13.9 11.6 17.4

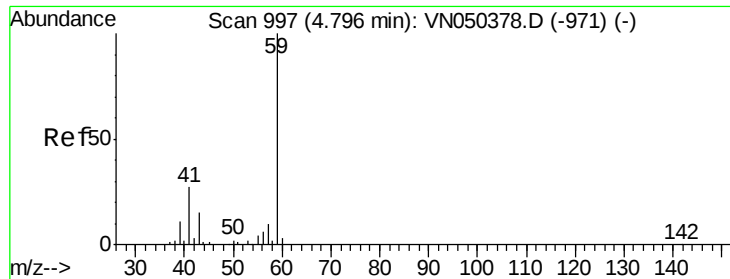


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



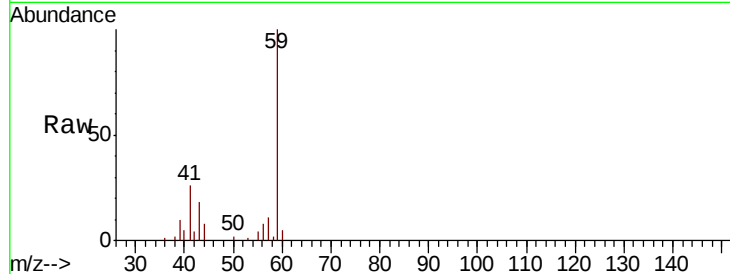


#11

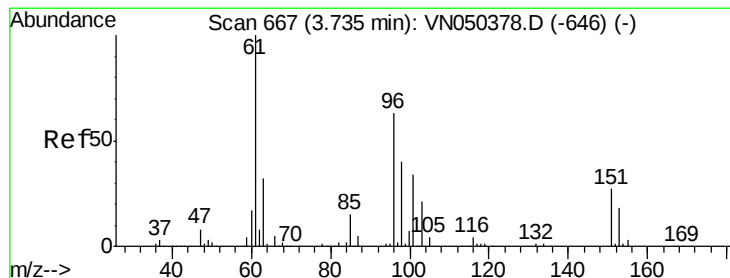
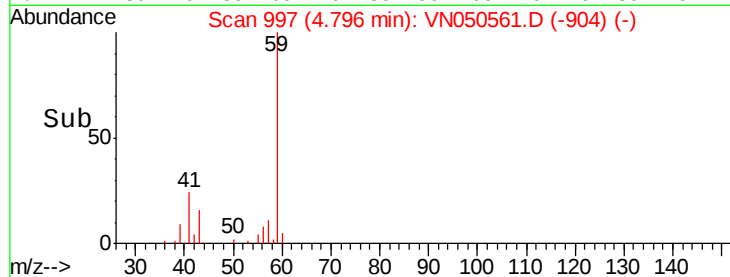
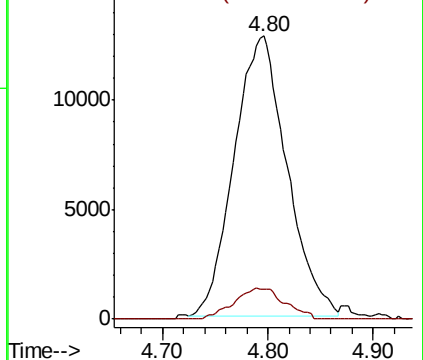
Tert butyl alcohol
 Concen: 59.00 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBS01

Tot Ion: 59 Resp: 44350
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7



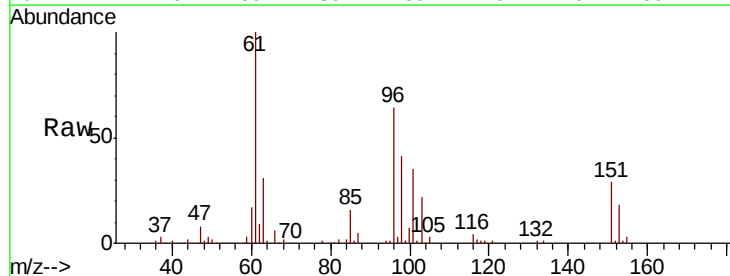
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



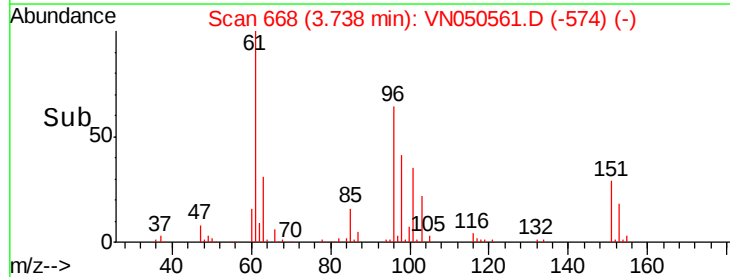
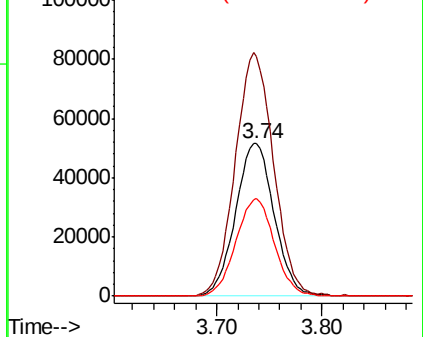
#12

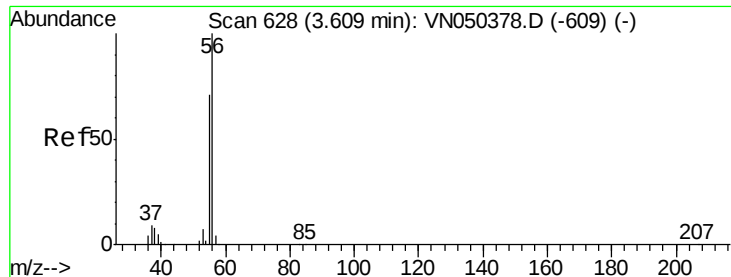
1,1-Dichloroethene
 Concen: 17.31 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 96 Resp: 131088
 Ion Ratio Lower Upper
 96 100
 61 157.1 124.4 186.6
 98 63.9 48.3 72.5



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 46.56 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

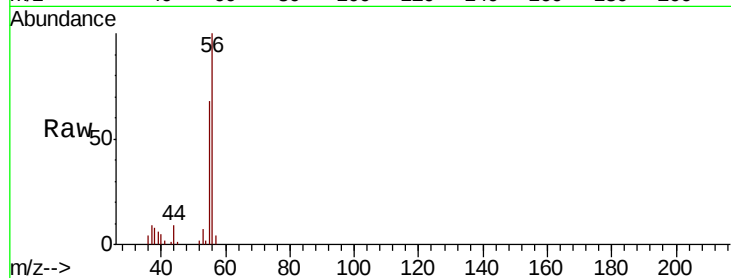
VN0813MBS01

Tot Ion: 56 Resp: 32809

Ion Ratio Lower Upper

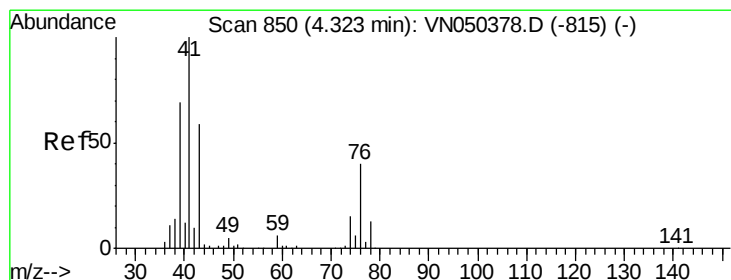
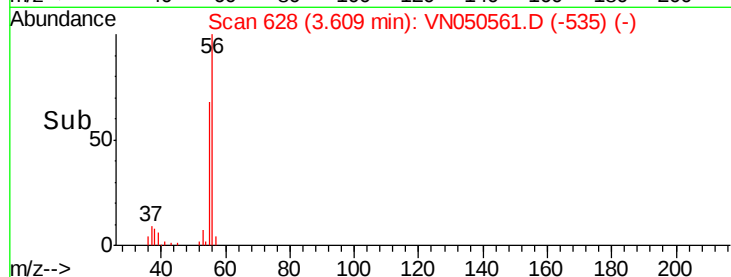
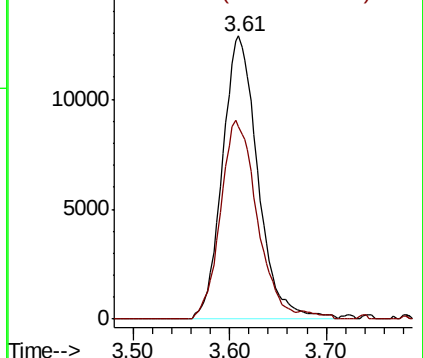
56 100

55 72.1 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.45 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

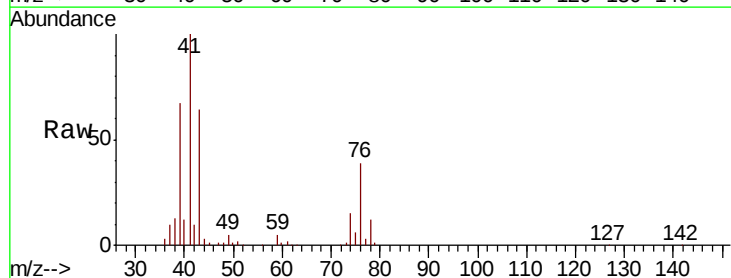
Tgt Ion: 41 Resp: 212112

Ion Ratio Lower Upper

41 100

39 64.3 54.2 81.4

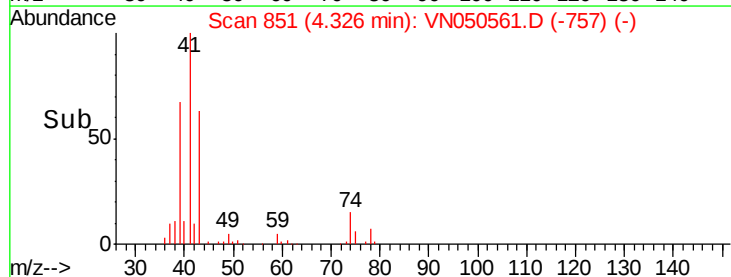
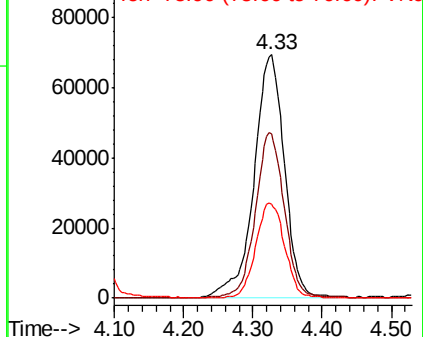
76 37.0 29.0 43.6

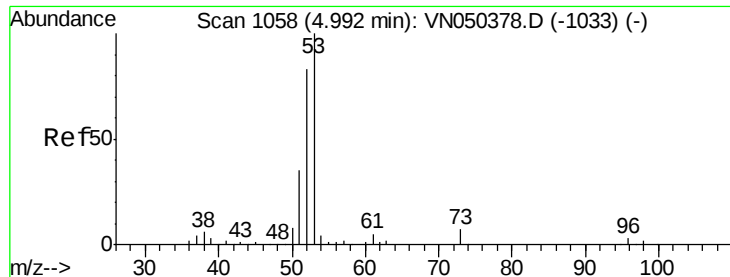


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

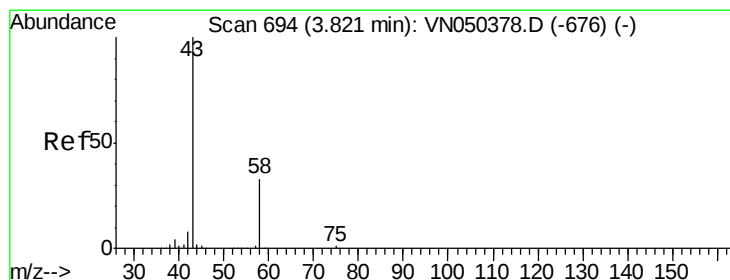
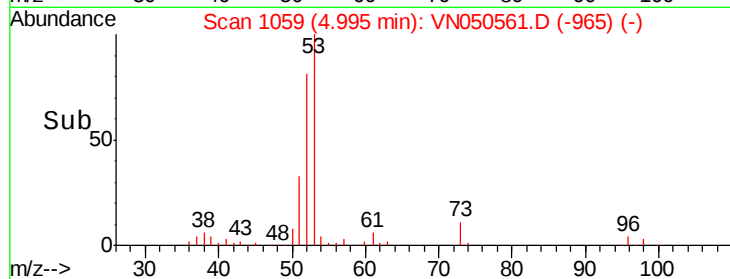
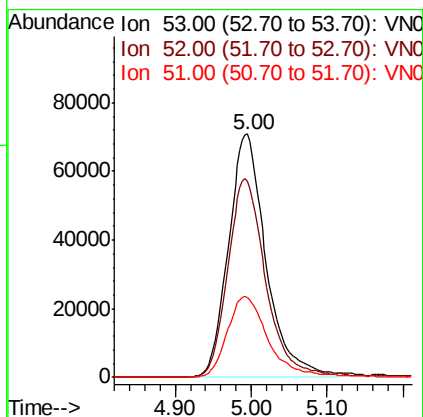
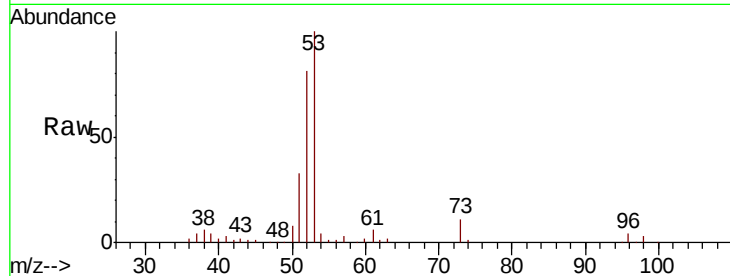




#15
 Acrylonitrile
 Concen: 77.35 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

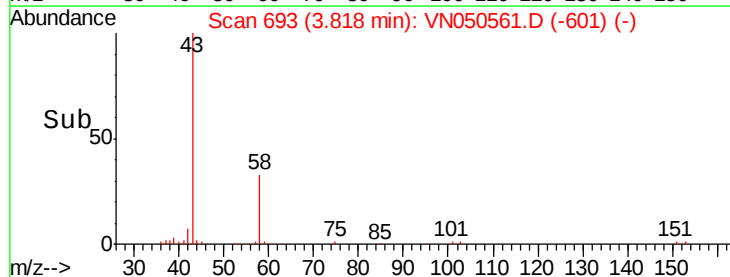
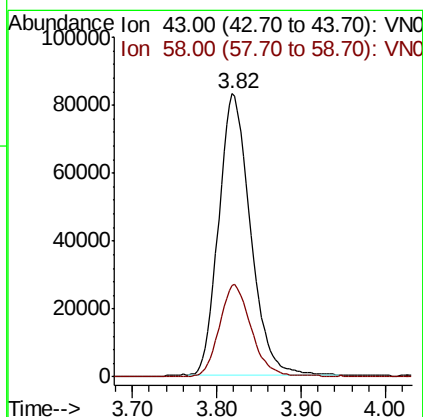
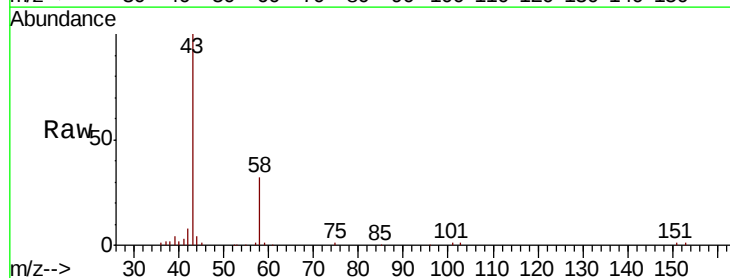
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

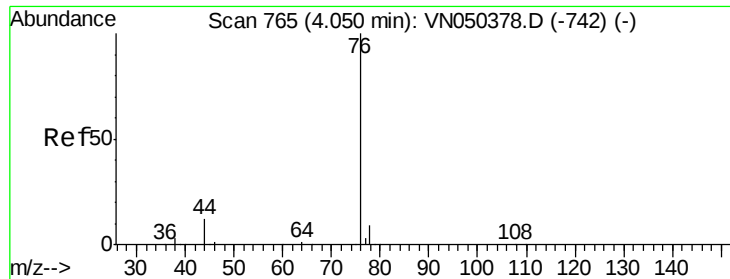
Tot Ion	53	Resp	243535
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	36.2	29.3	43.9



#16
 Acetone
 Concen: 76.88 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion	43	Resp	215221
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.8





#17

Carbon Disulfide

Concen: 15.61 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

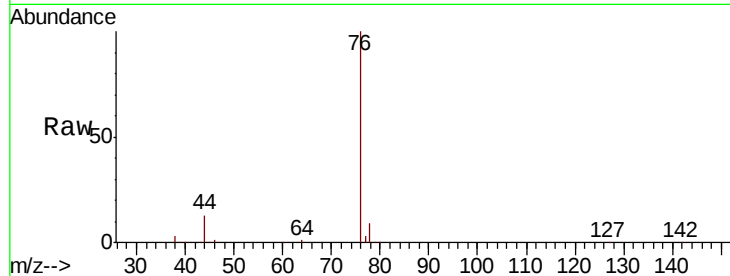
VN0813MBS01

Tot Ion: 76 Resp: 384231

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

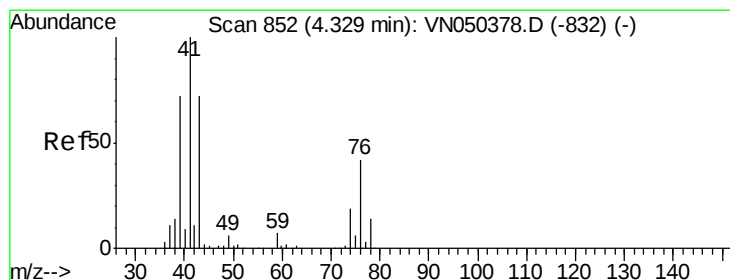
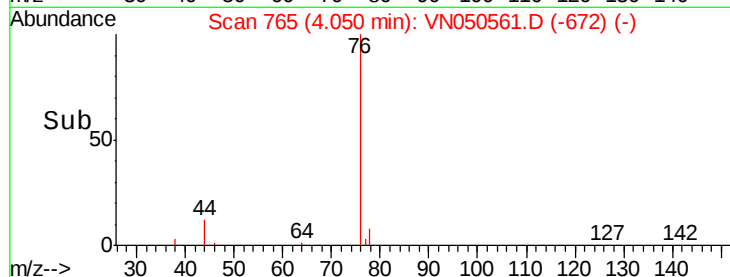
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 17.69 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN050561.D

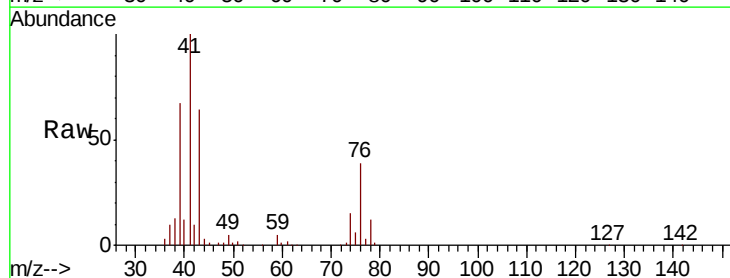
Acq: 13 Aug 2018 12:16

Tgt Ion: 43 Resp: 129201

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

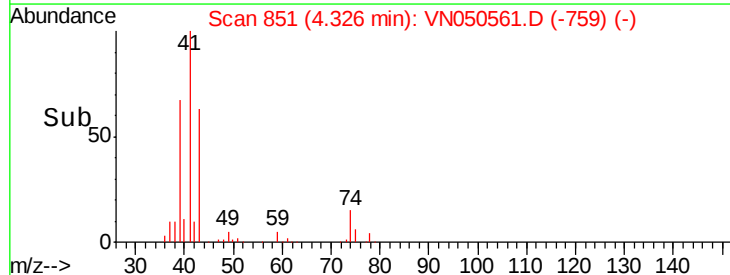
30000

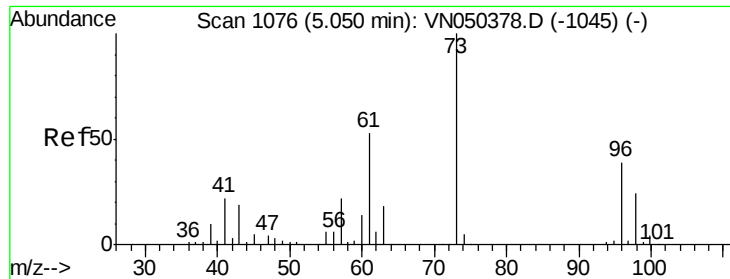
20000

10000

0

Time--> 4.20 4.30 4.40

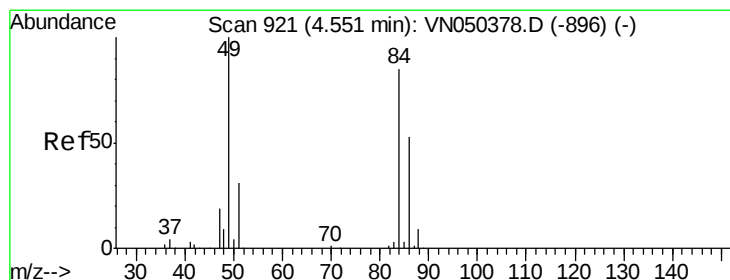
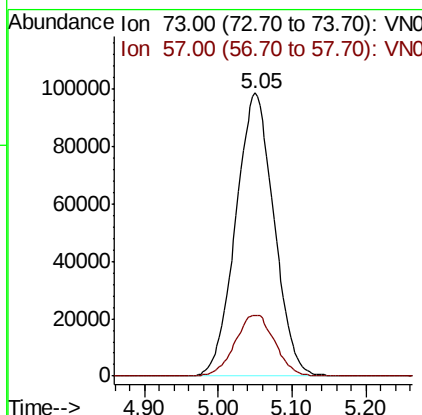
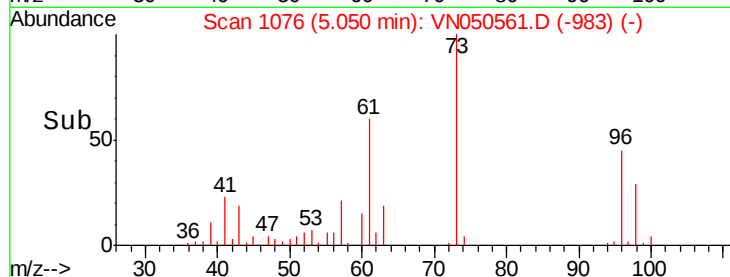
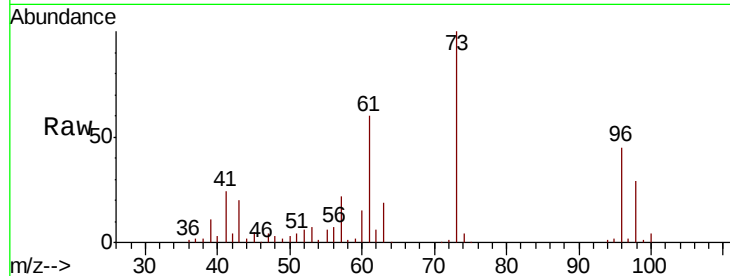




#19
Methyl tert-butyl Ether
Concen: 16.59 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

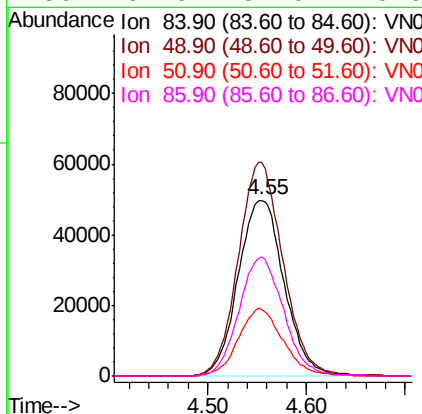
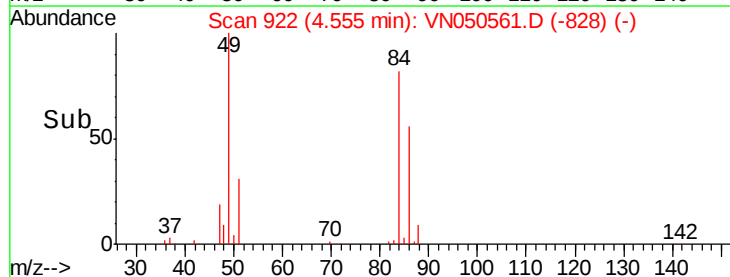
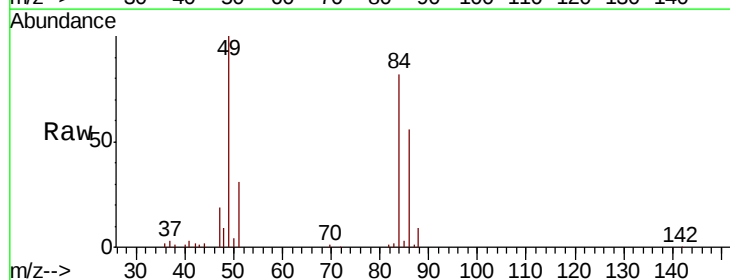
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

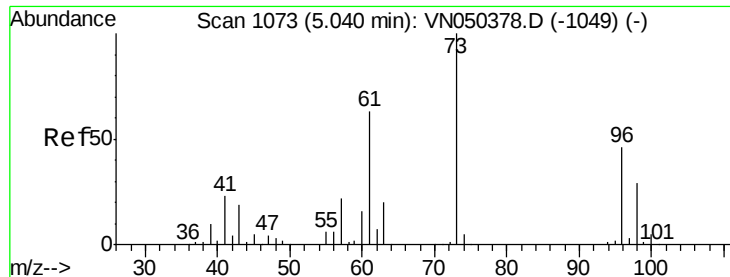
Tot Ion: 73 Resp: 356502
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0



#20
Methylene Chloride
Concen: 17.73 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 84 Resp: 159826
Ion Ratio Lower Upper
84 100
49 121.5 94.8 142.2
51 38.2 28.3 42.5
86 67.9 51.0 76.6

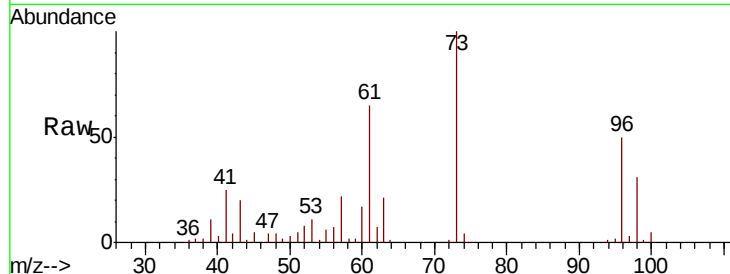




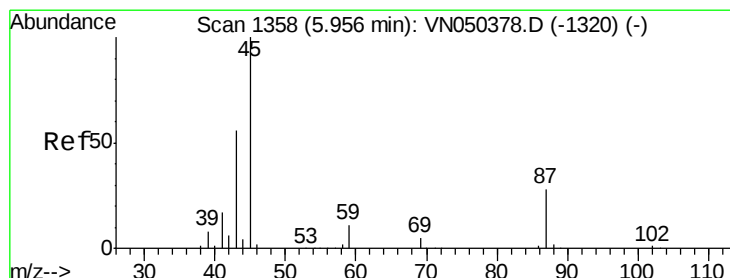
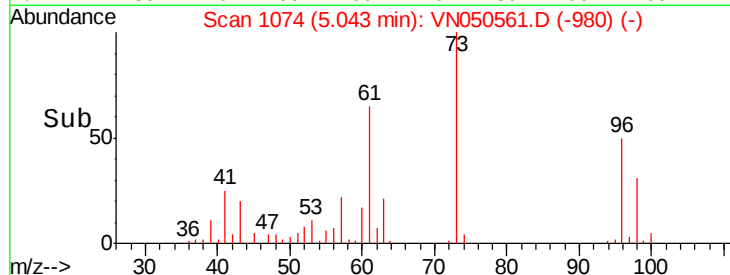
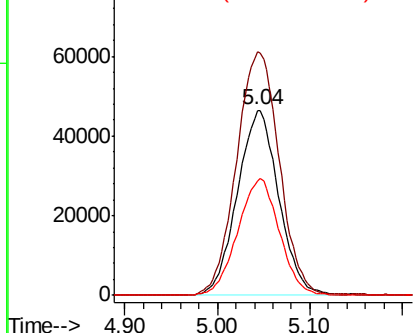
#21
trans-1,2-Dichloroethene
Concen: 17.59 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion: 96 Resp: 144137
Ion Ratio Lower Upper
96 100
61 131.5 110.7 166.1
98 61.7 51.6 77.4

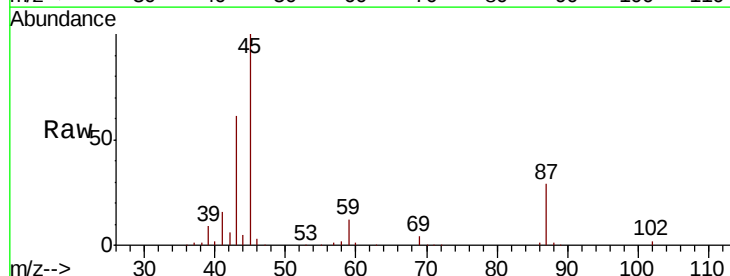


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

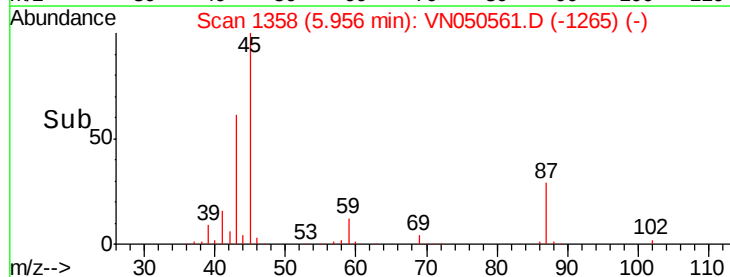
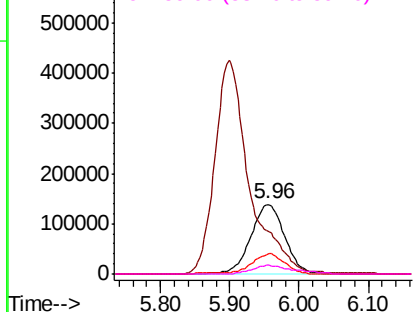


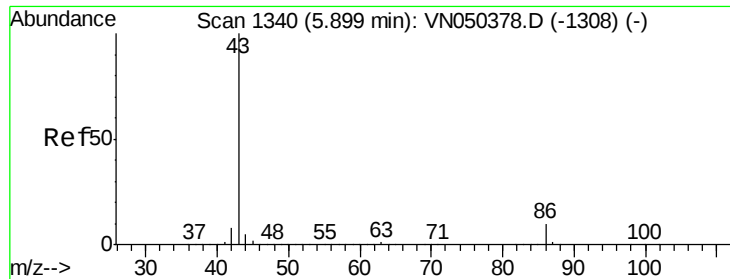
#22
Diisopropyl ether
Concen: 18.92 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 45 Resp: 469900
Ion Ratio Lower Upper
45 100
43 59.0 45.7 68.5
87 28.7 22.7 34.1
59 11.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

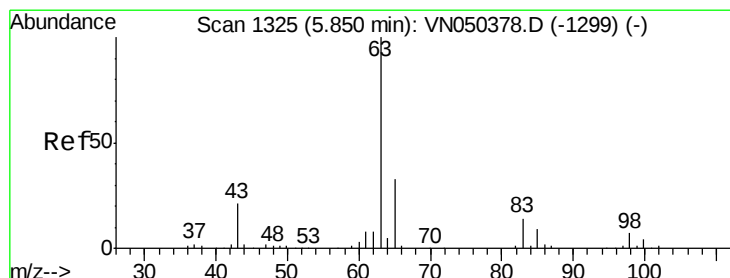
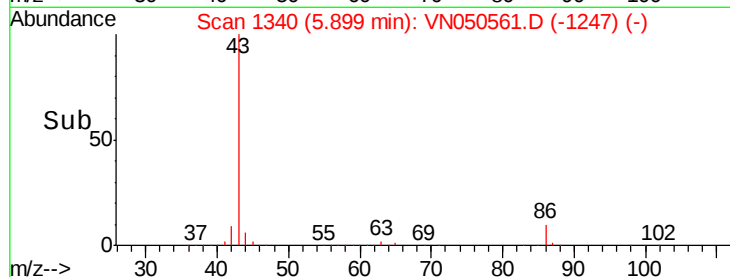
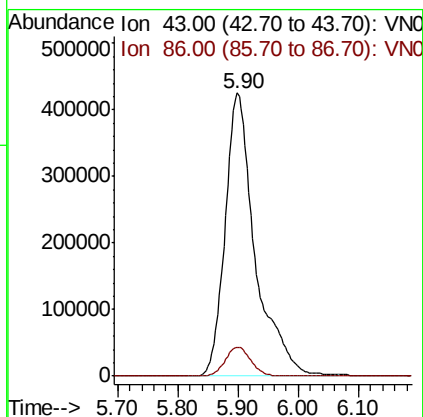
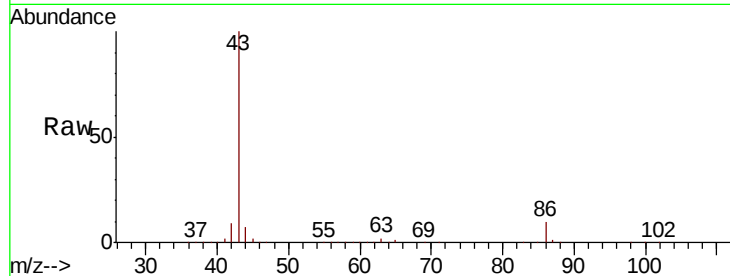




#23
 Vinyl Acetate
 Concen: 83.41 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

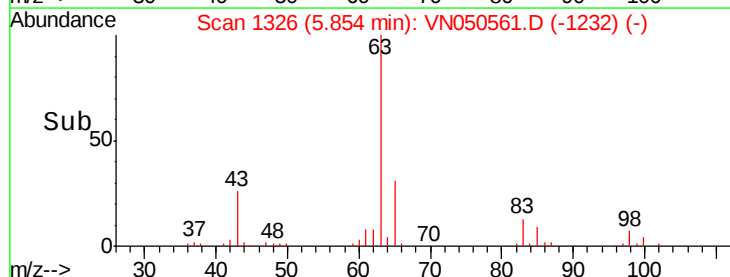
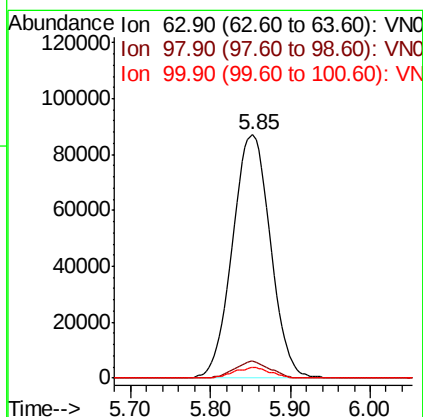
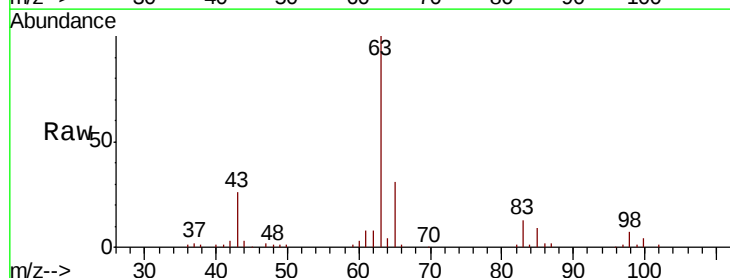
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

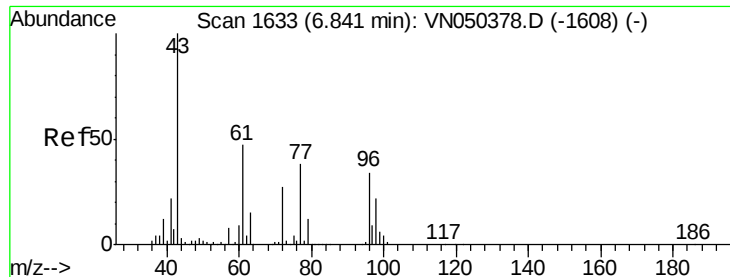
Tot Ion: 43 Resp: 1478143
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 18.42 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 63 Resp: 280730
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 75.00 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

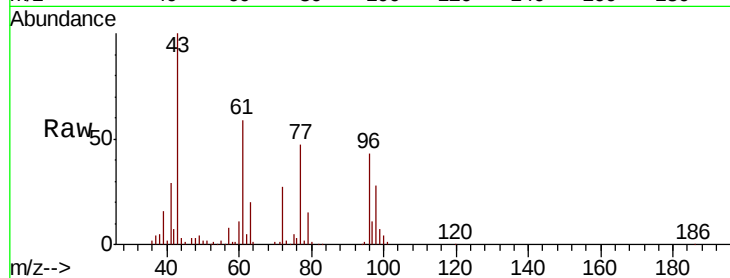
VN0813MBS01

Tot Ion: 43 Resp: 347764

Ion Ratio Lower Upper

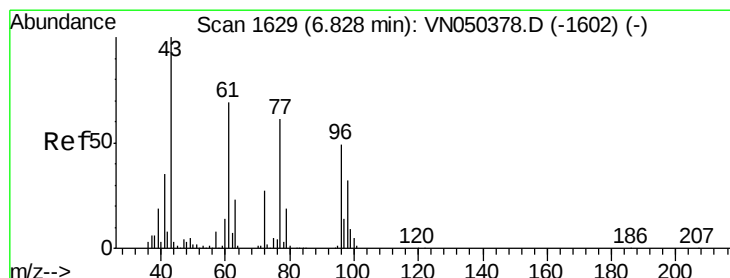
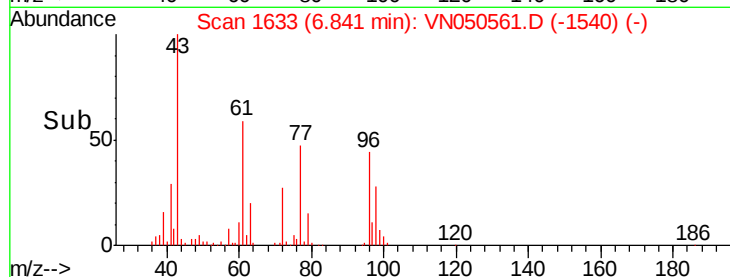
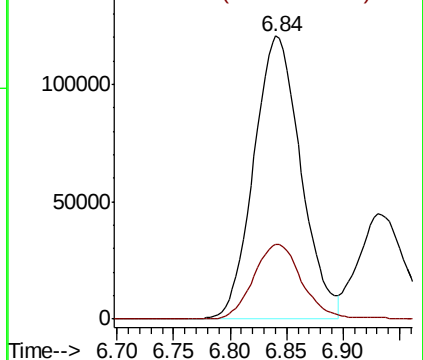
43 100

72 26.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.17 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050561.D

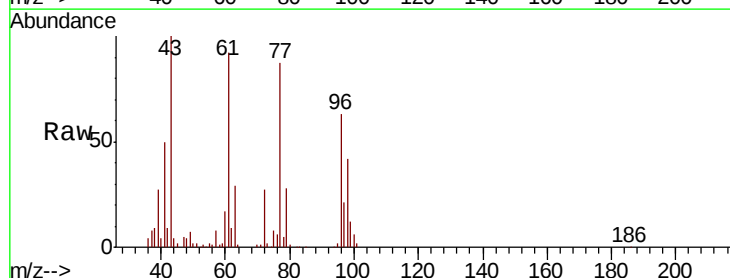
Acq: 13 Aug 2018 12:16

Tgt Ion: 77 Resp: 228269

Ion Ratio Lower Upper

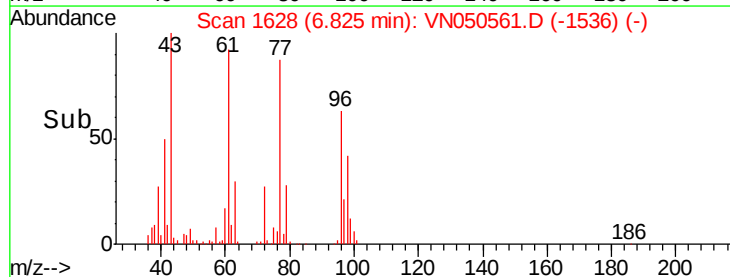
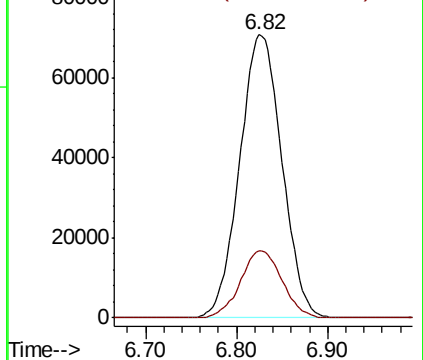
77 100

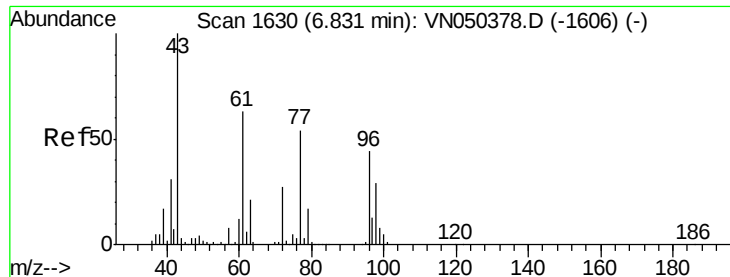
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

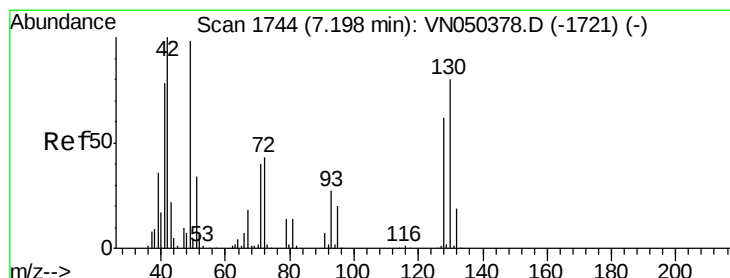
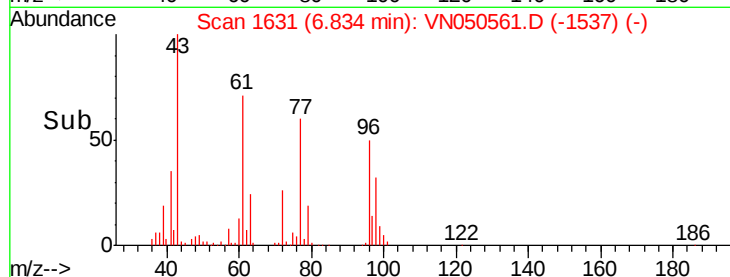
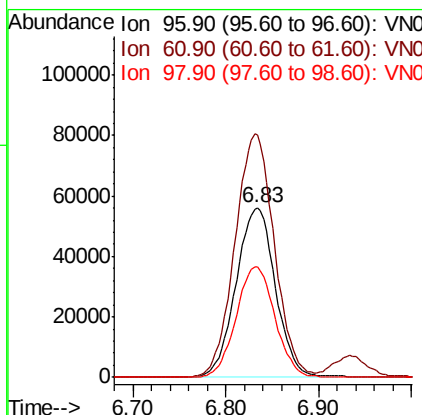
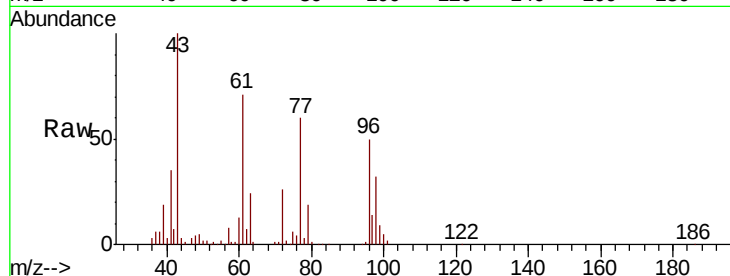




#27
 cis-1,2-Dichloroethene
 Concen: 18.21 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

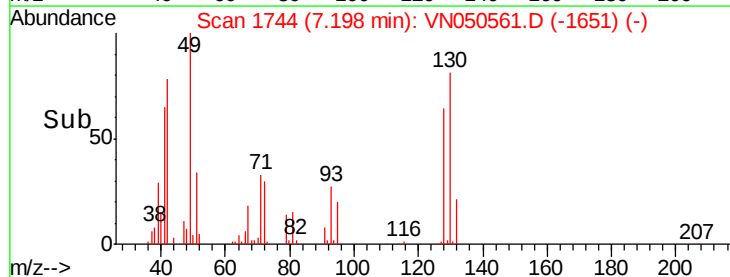
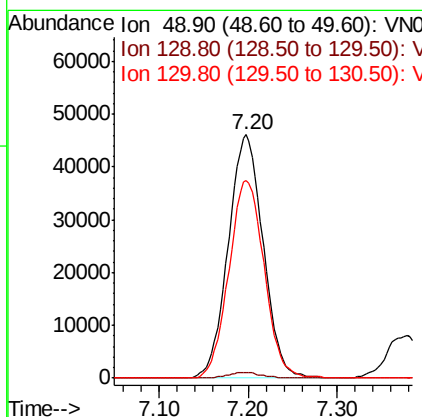
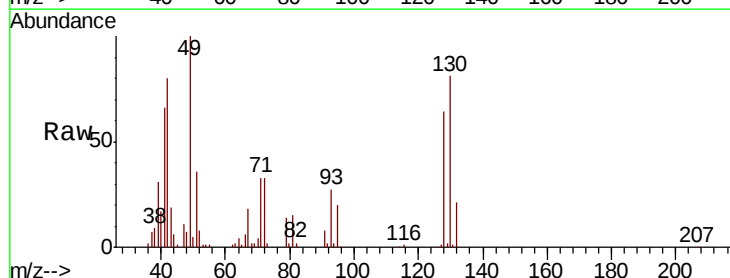
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBS01

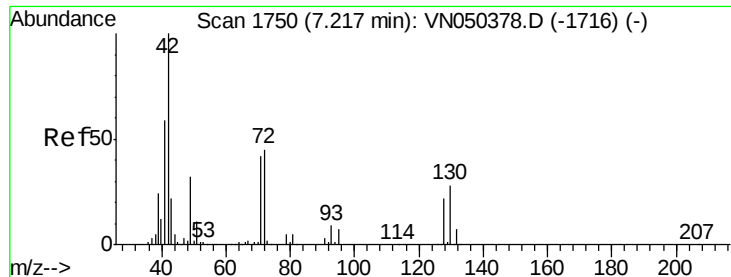
Tot Ion: 96 Resp: 165357
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 285.0
 98 64.3 0.0 129.2



#28
 Bromochloromethane
 Concen: 17.81 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 49 Resp: 124967
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.0
 130 82.4 66.3 99.5

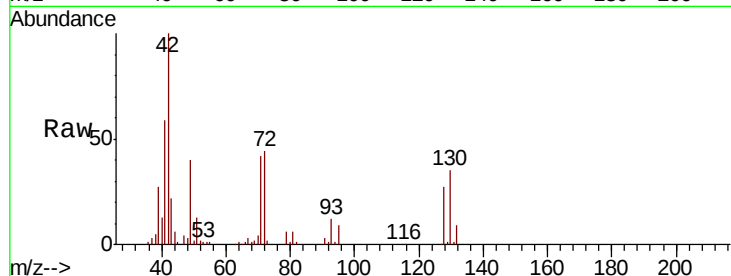




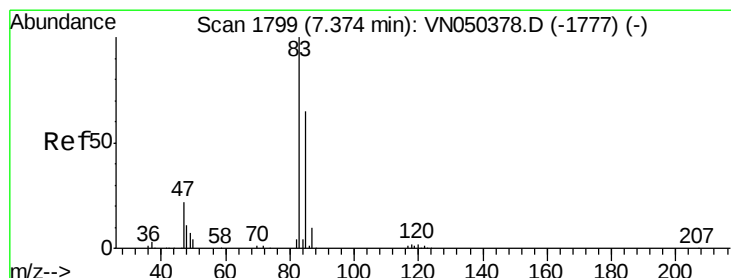
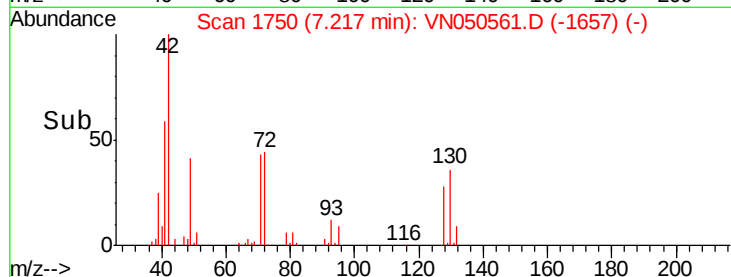
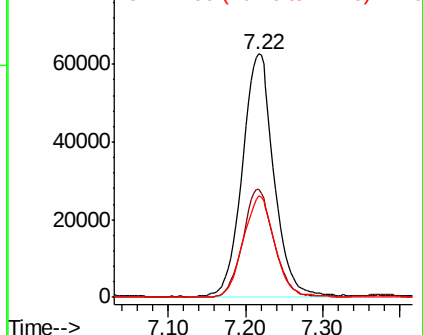
#29
Tetrahydrofuran
Concen: 72.34 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion: 42 Resp: 179527
Ion Ratio Lower Upper
42 100
72 43.4 35.9 53.9
71 40.9 33.7 50.5

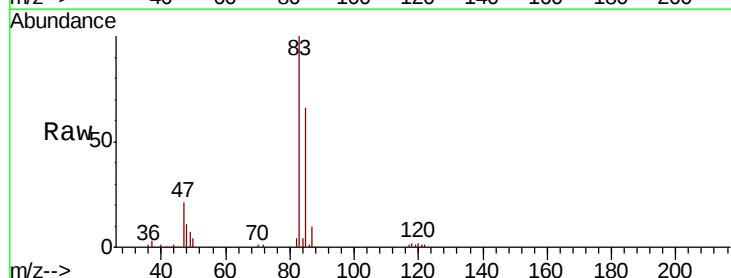


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

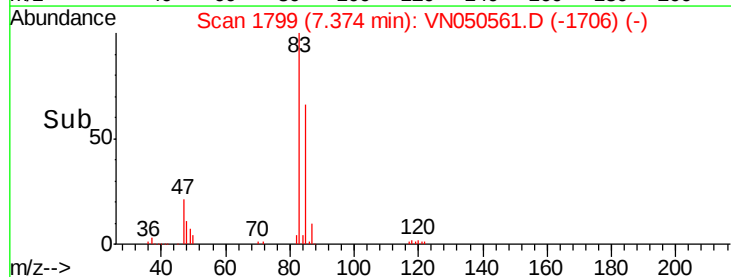
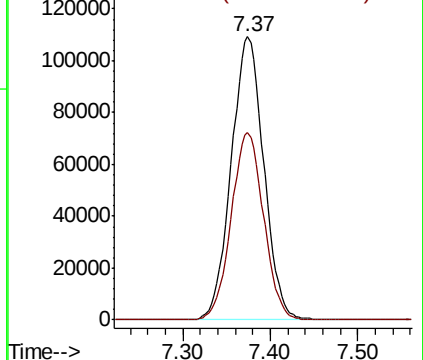


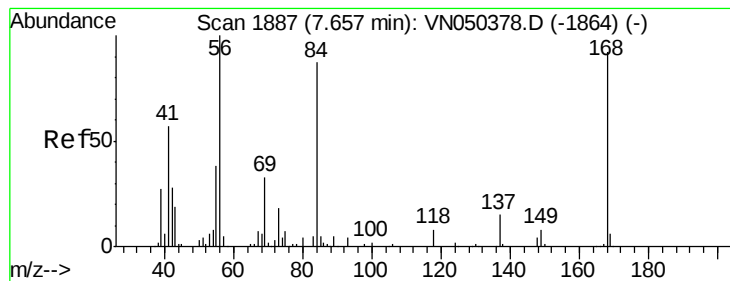
#30
Chloroform
Concen: 18.52 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 83 Resp: 282223
Ion Ratio Lower Upper
83 100
85 66.1 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.28 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

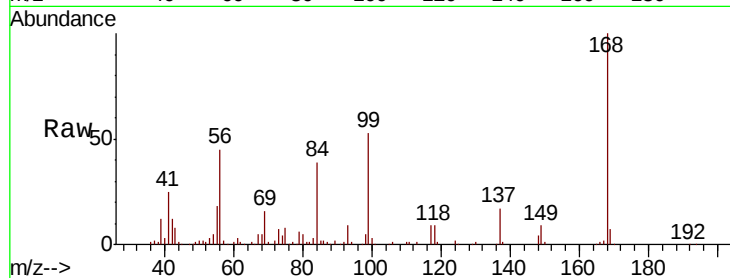
Tot Ion: 56 Resp: 237282

Ion Ratio Lower Upper

56 100

69 36.2 26.2 39.4

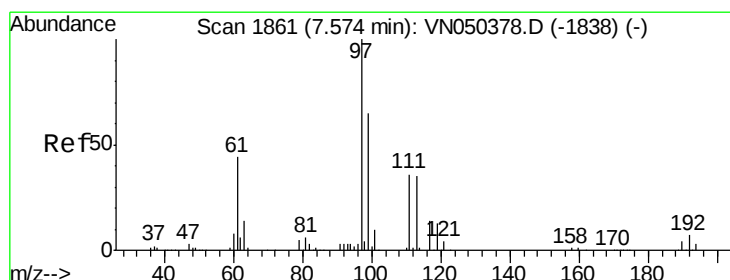
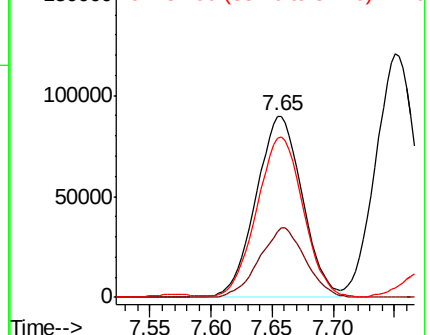
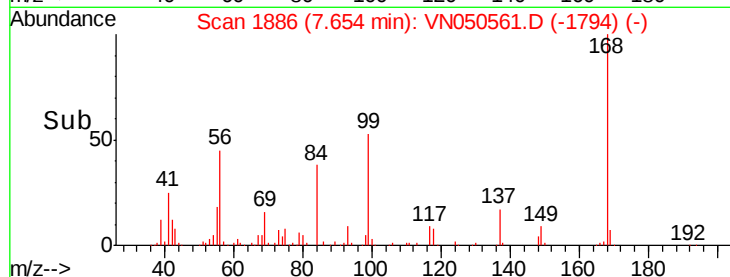
84 86.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.35 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

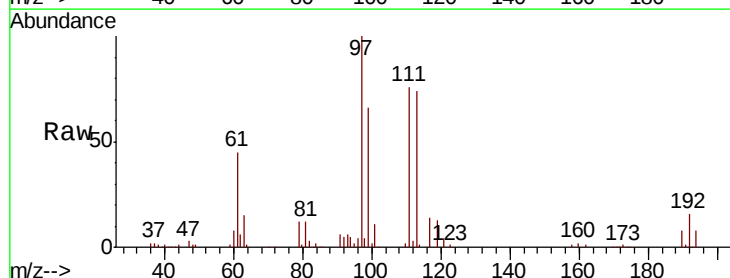
Tgt Ion: 97 Resp: 240153

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

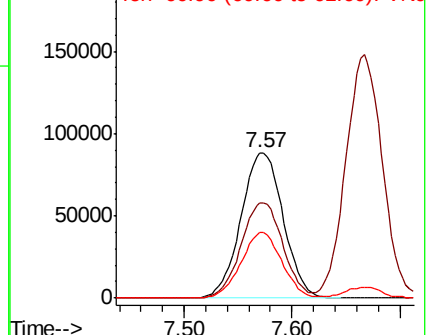
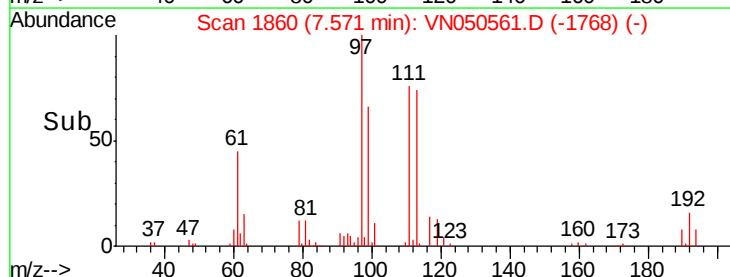
61 43.8 35.4 53.0

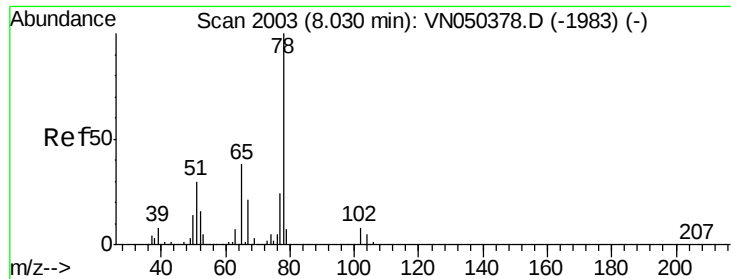


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

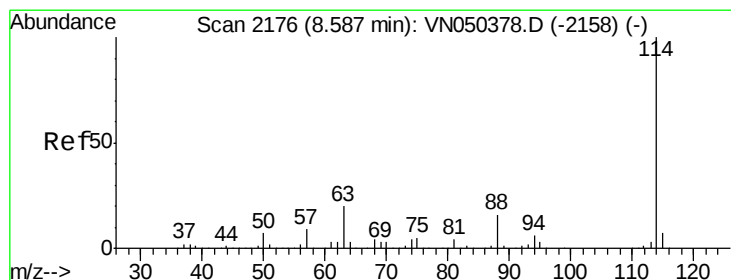
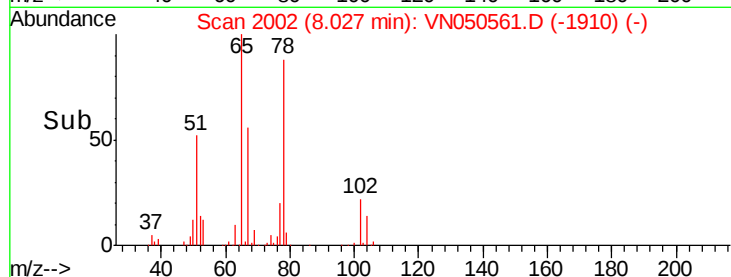
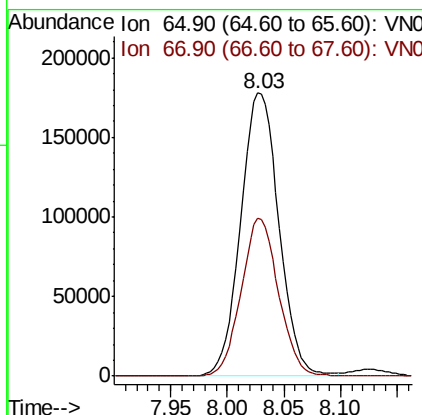
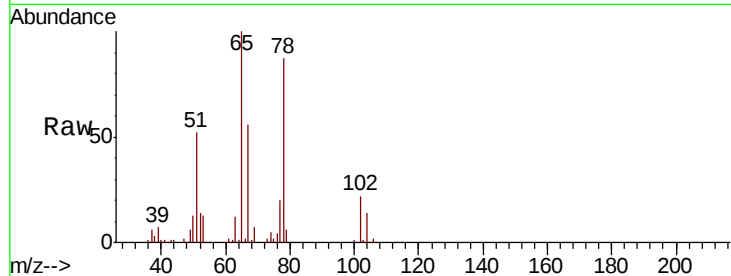




#33
 1,2-Dichloroethane-d4
 Concen: 44.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

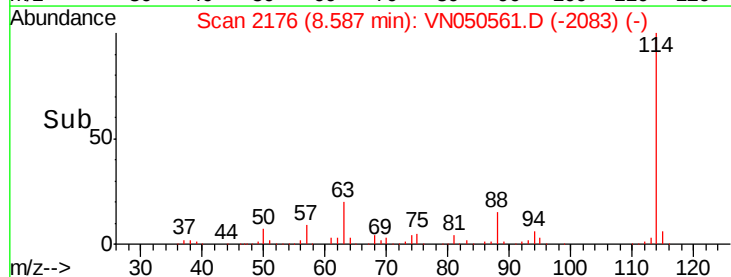
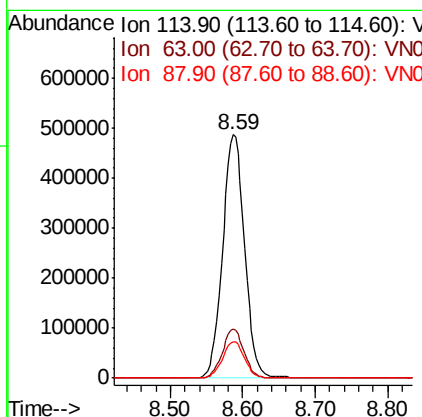
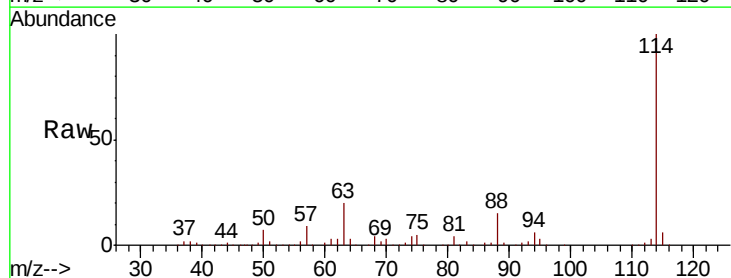
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

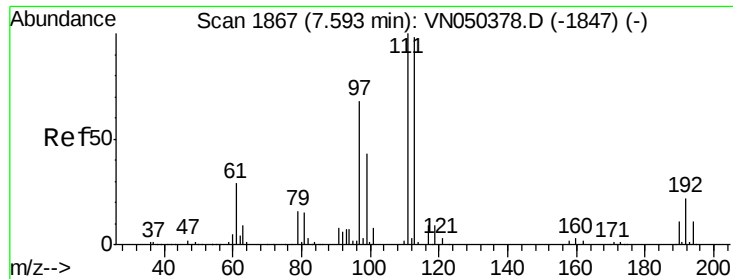
Tot Ion: 65 Resp: 419084
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 114 Resp: 1021160
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.1 0.0 31.2

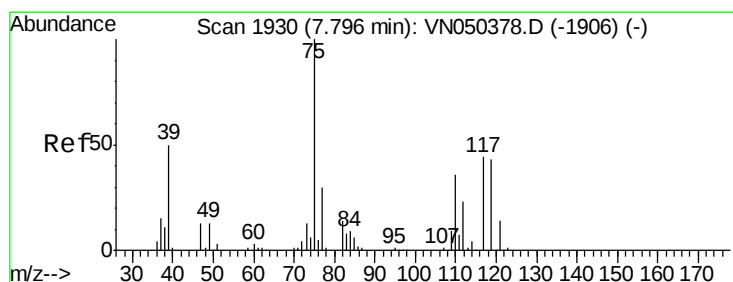
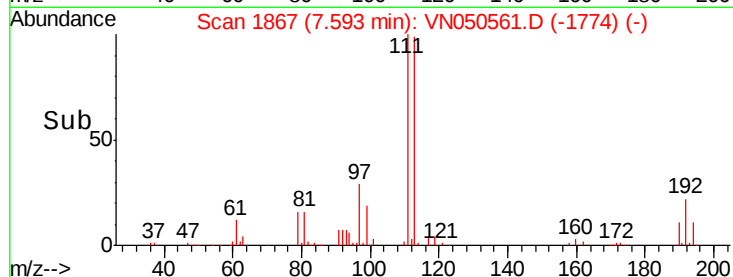
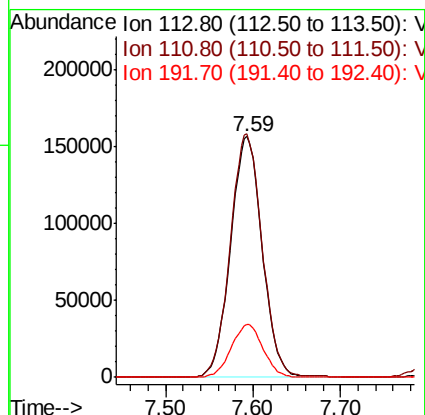
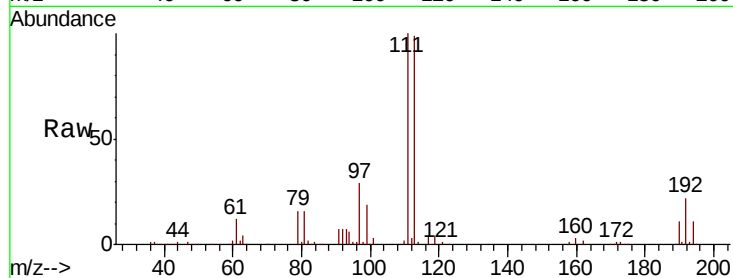




#35
 Dibromofluoromethane
 Concen: 47.96 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

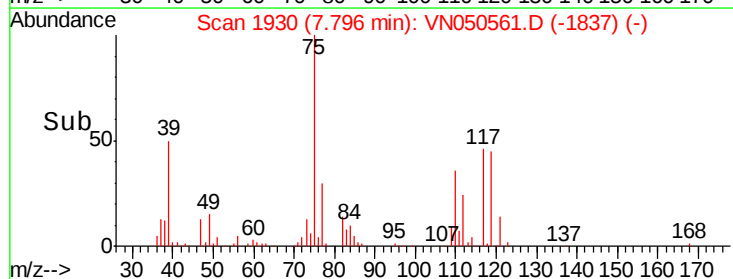
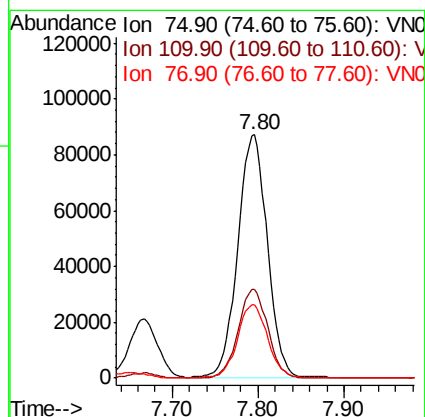
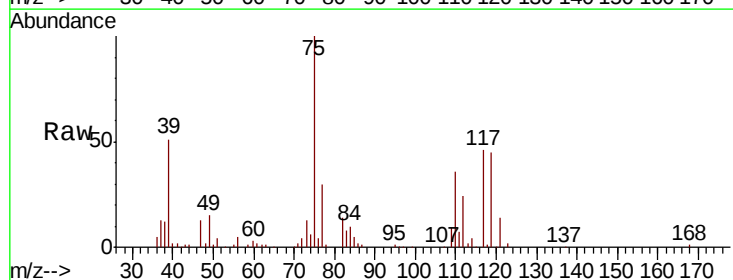
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

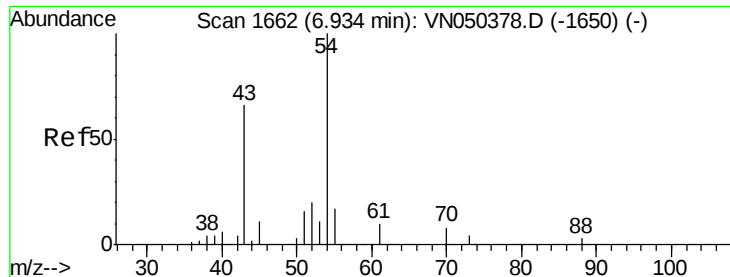
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	21.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 18.56 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.2
77	30.9	25.3	37.9

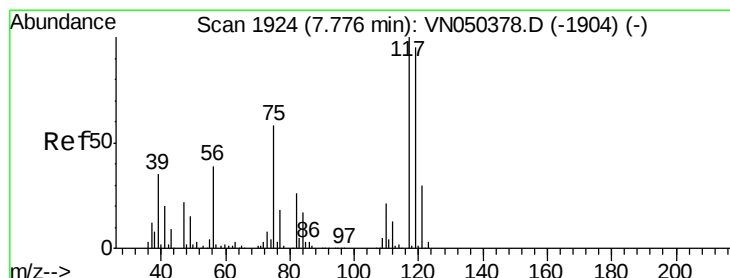
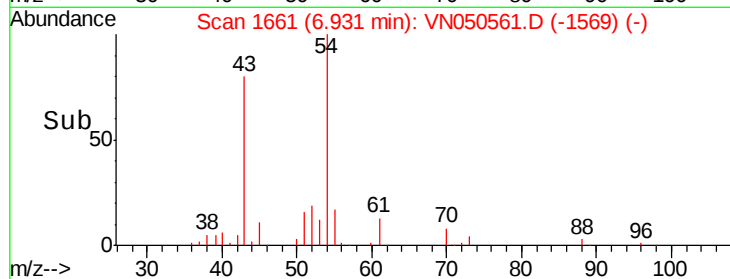
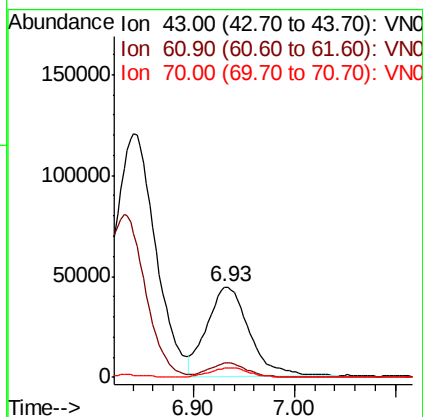
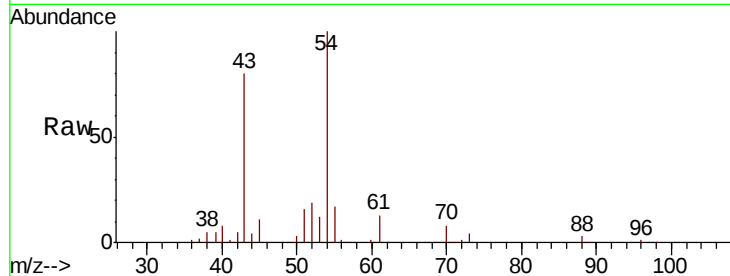




#37
Ethyl Acetate
Concen: 15.93 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

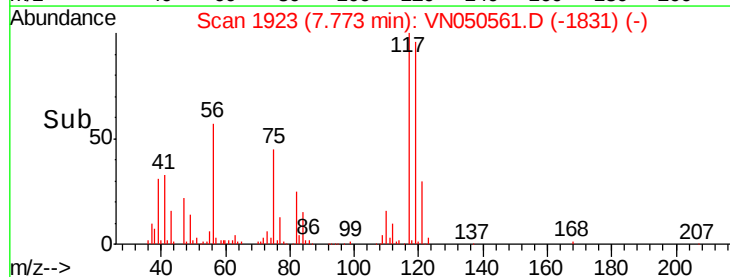
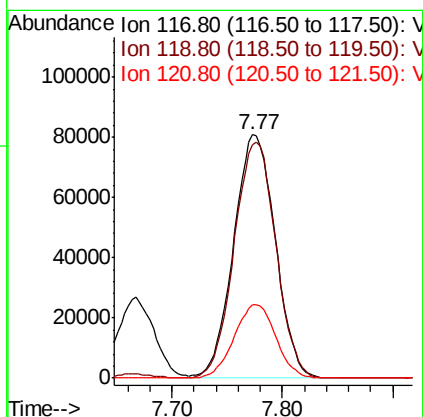
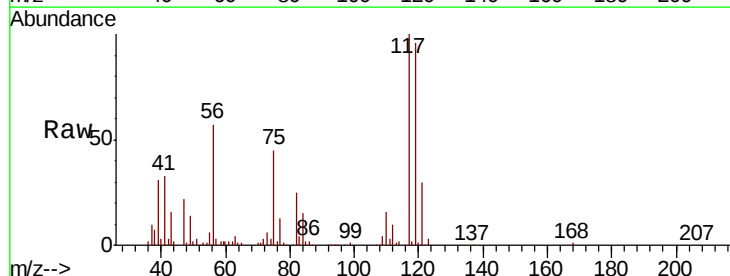
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

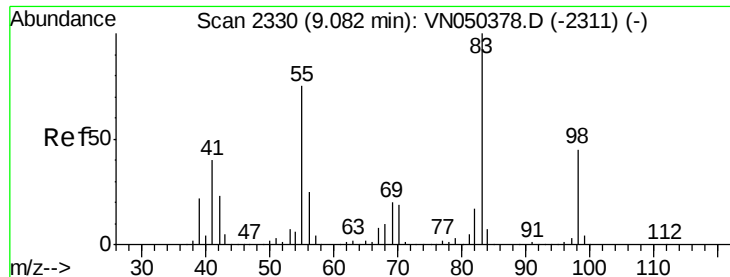
Tot Ion: 43 Resp: 128687
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.11 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 117 Resp: 211929
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0
121 30.0 23.9 35.9

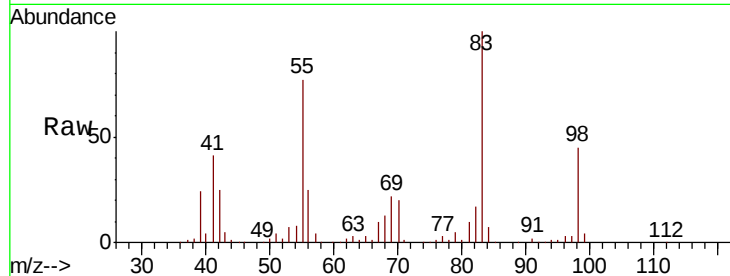




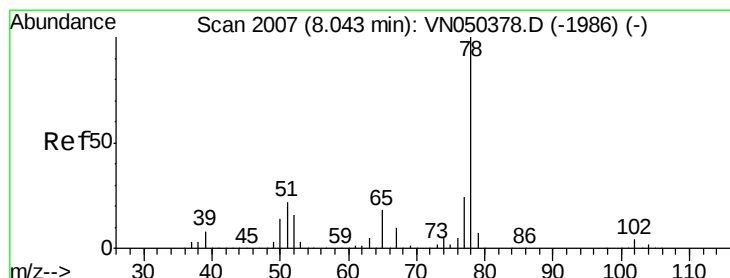
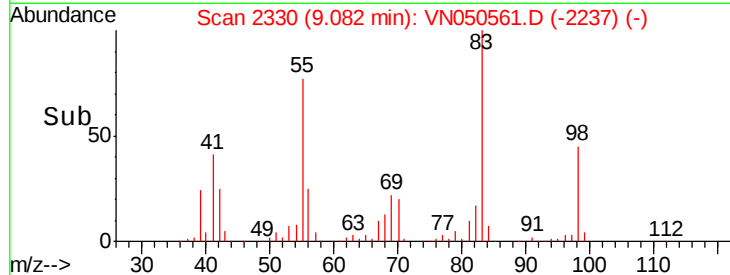
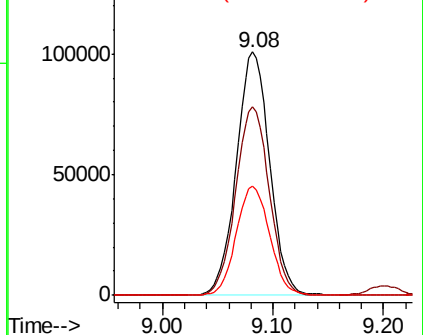
#39
Methvlcvclohexane
Concen: 17.19 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion: 83 Resp: 210476
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.8
98 44.8 36.5 54.7

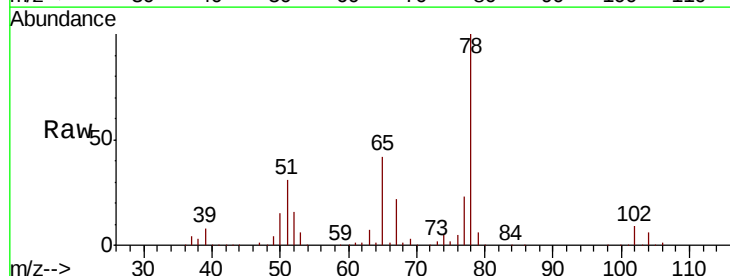


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

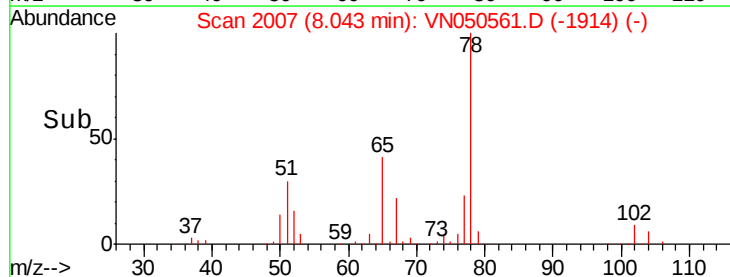
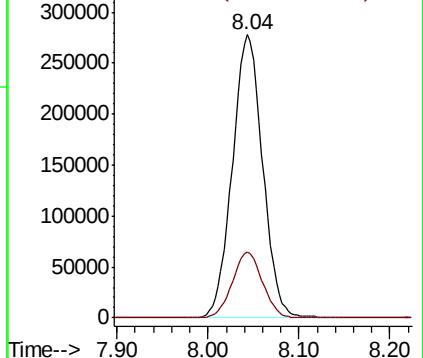


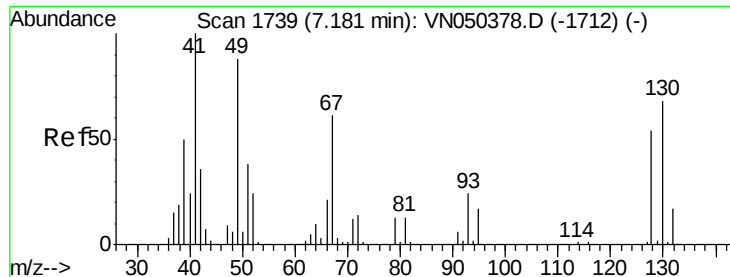
#40
Benzene
Concen: 18.64 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 78 Resp: 642927
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



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

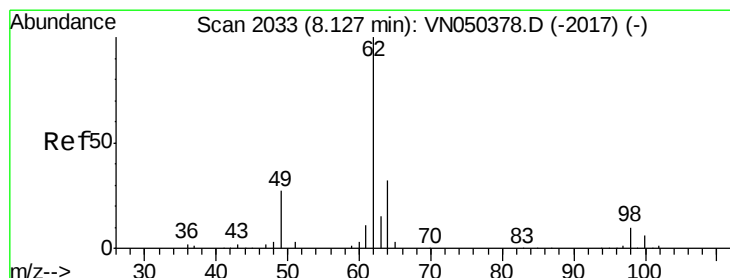
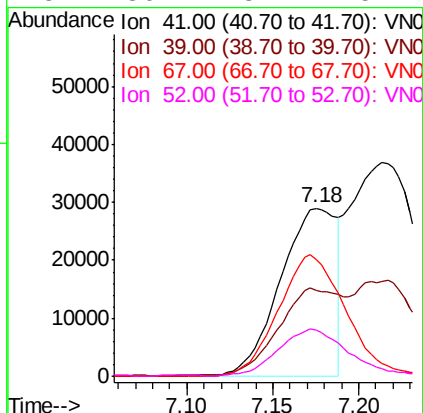
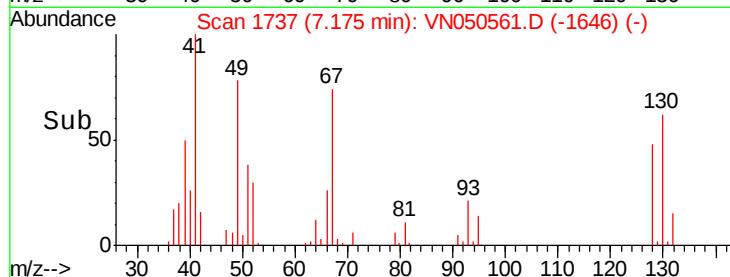
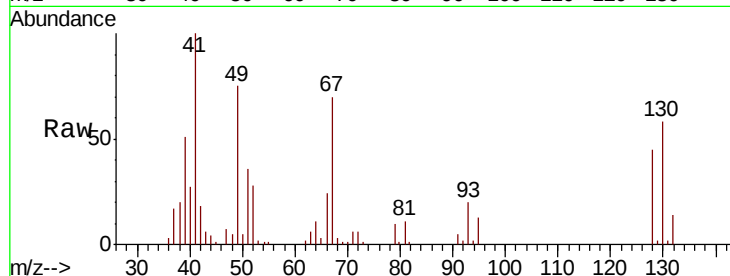




#41
Methacrylonitrile
Concen: 15.34 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

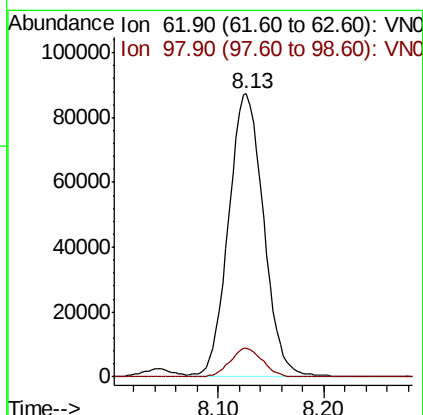
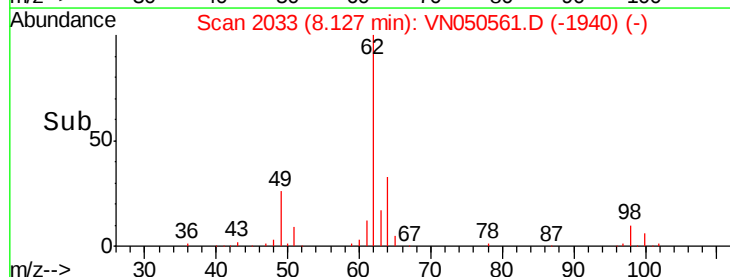
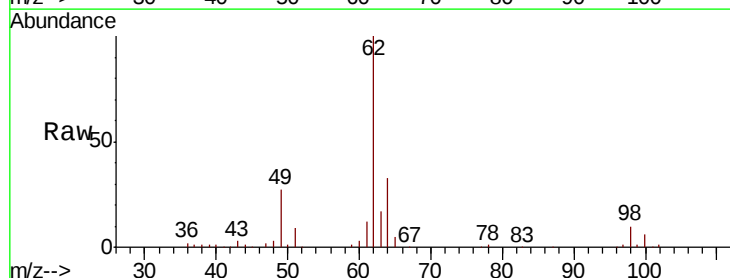
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

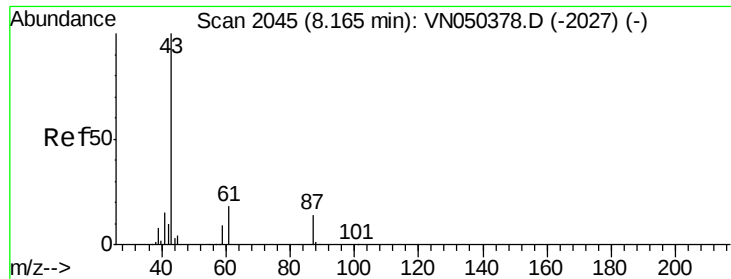
Tot Ion: 41 Resp: 65929
Ion Ratio Lower Upper
41 100
39 60.0 55.8 83.6
67 87.0 84.3 126.5
52 36.2 34.2 51.2



#42
1,2-Dichloroethane
Concen: 18.30 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 62 Resp: 200417
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.8





#43

Isopropyl Acetate

Concen: 15.74 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

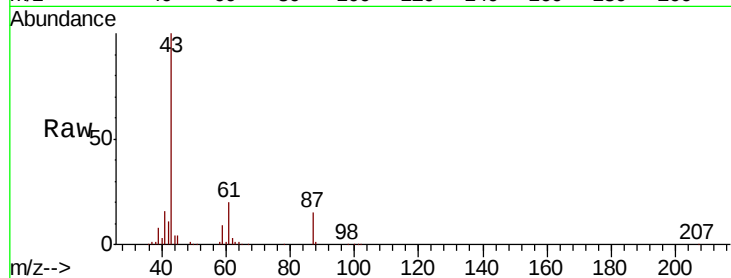
Tot Ion: 43 Resp: 219574

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

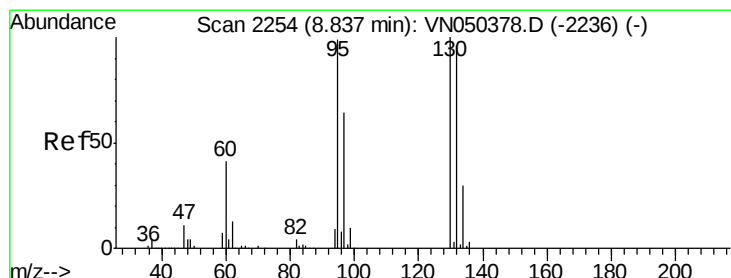
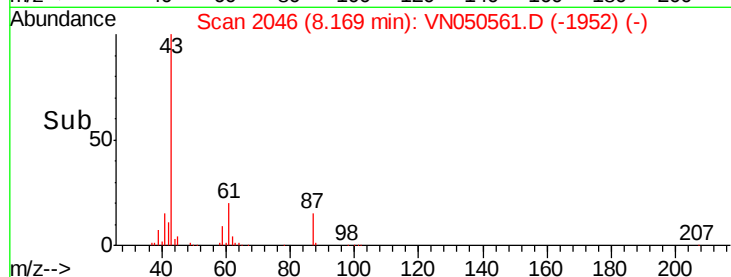
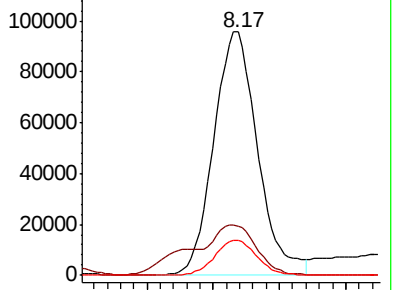
87 13.9 10.3 15.5



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

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

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



#44

Trichloroethene

Concen: 18.02 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050561.D

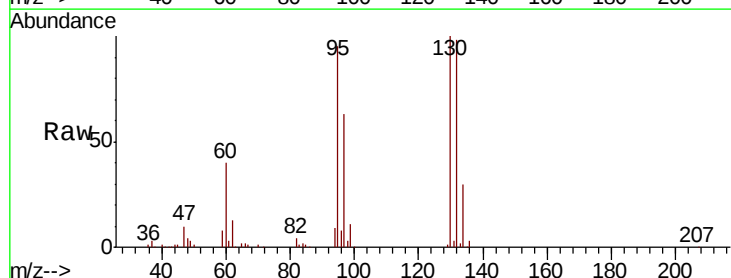
Acq: 13 Aug 2018 12:16

Tgt Ion:130 Resp: 166987

Ion Ratio Lower Upper

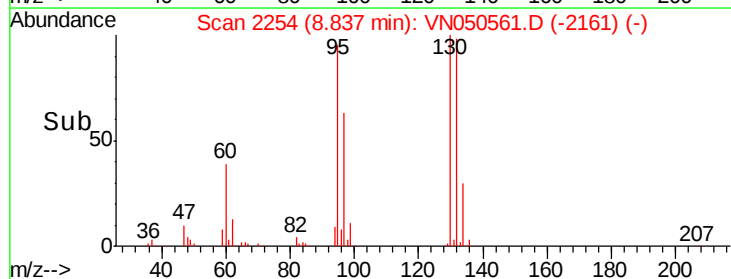
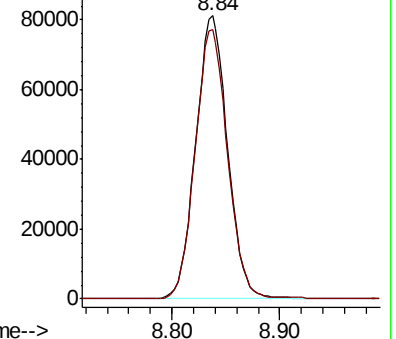
130 100

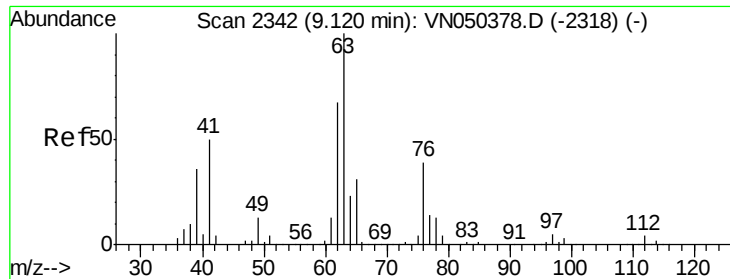
95 95.3 0.0 194.6



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

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

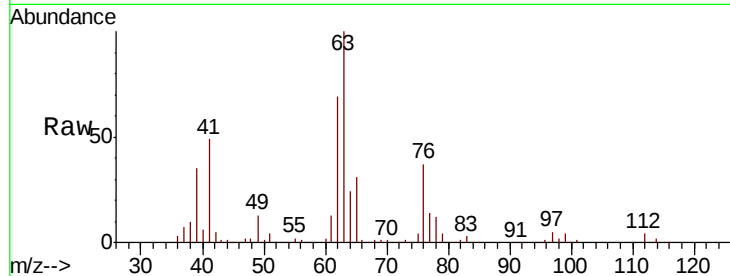




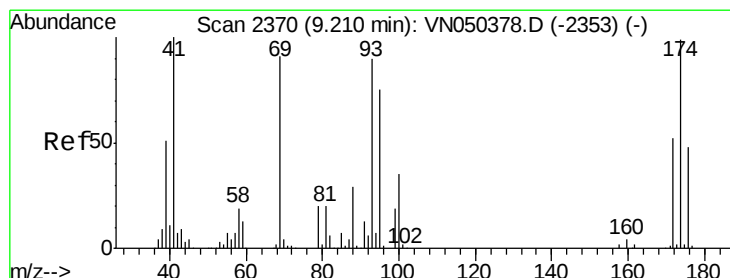
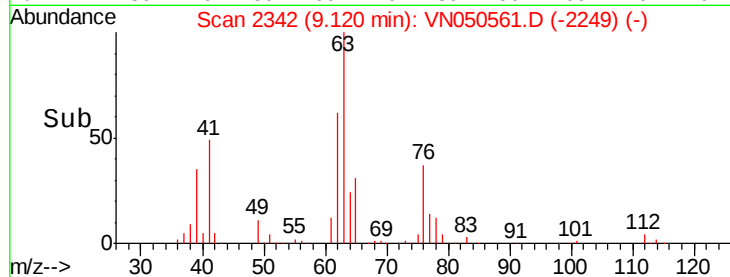
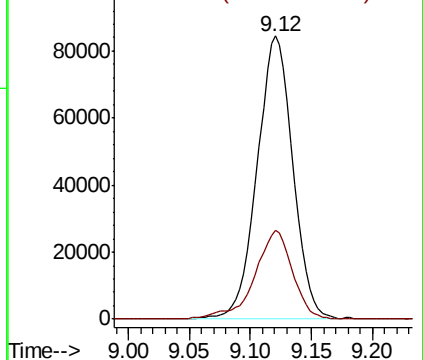
#45
 1,2-Dichloropropane
 Concen: 18.95 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Tot Ion: 63 Resp: 171892
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3

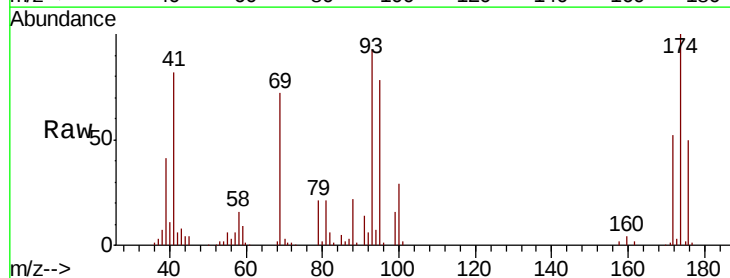


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

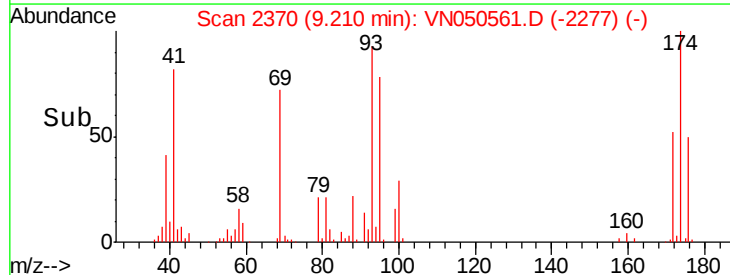
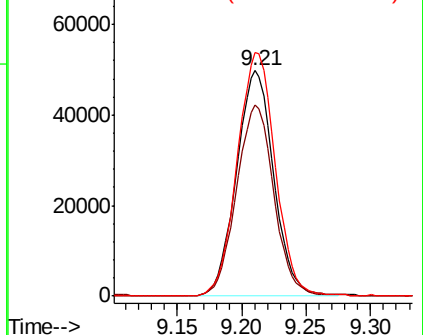


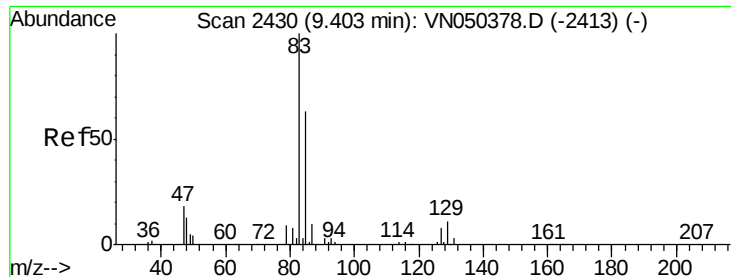
#46
 Dibromomethane
 Concen: 17.92 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 93 Resp: 100346
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 110.2 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.34 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

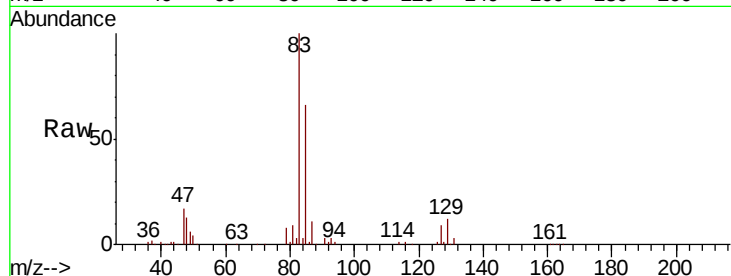
Tot Ion: 83 Resp: 212703

Ion Ratio Lower Upper

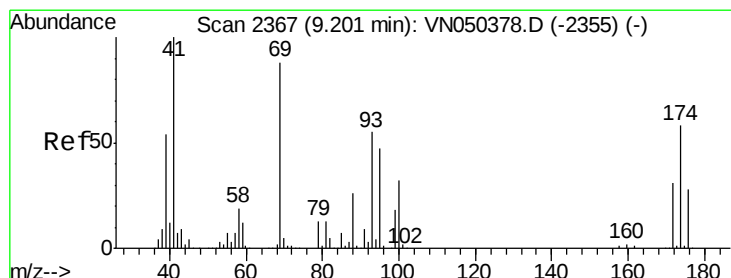
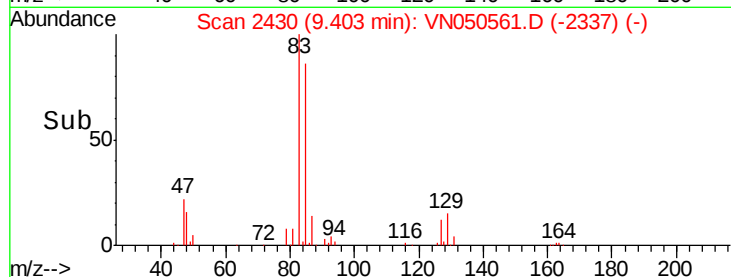
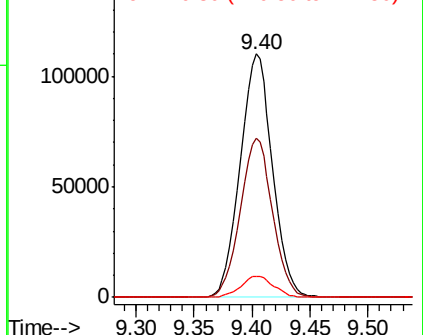
83 100

85 65.5 51.1 76.7

127 8.8 7.0 10.4



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



#48

Methyl methacrylate

Concen: 15.13 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

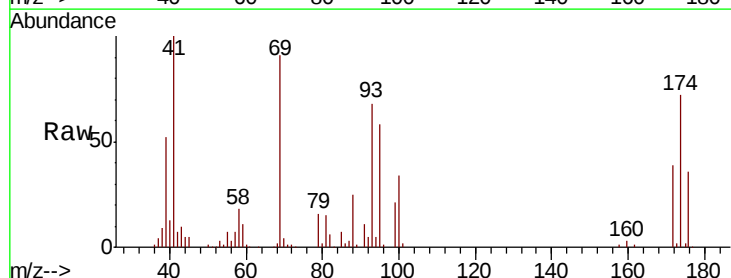
Tgt Ion: 41 Resp: 105776

Ion Ratio Lower Upper

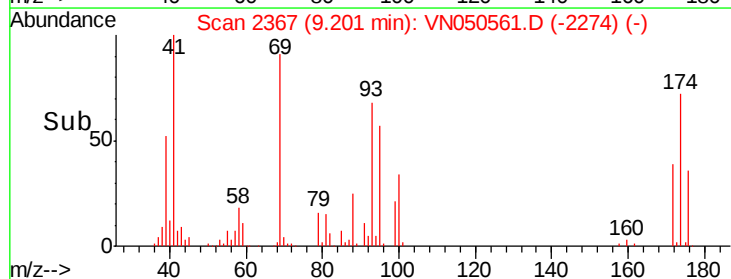
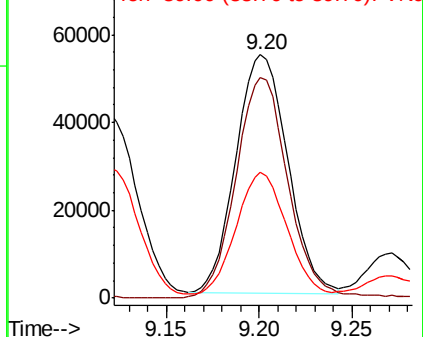
41 100

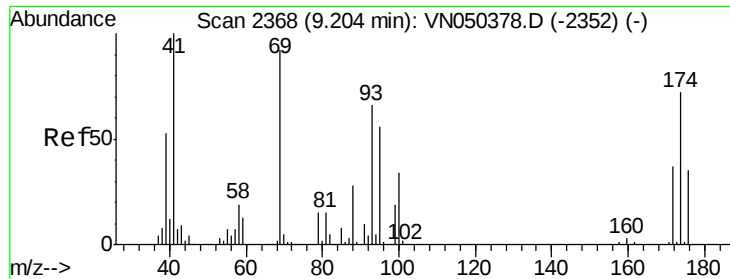
69 93.7 70.6 105.8

39 52.3 43.9 65.9



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





#49

1,4-Dioxane

Concen: 267.59 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

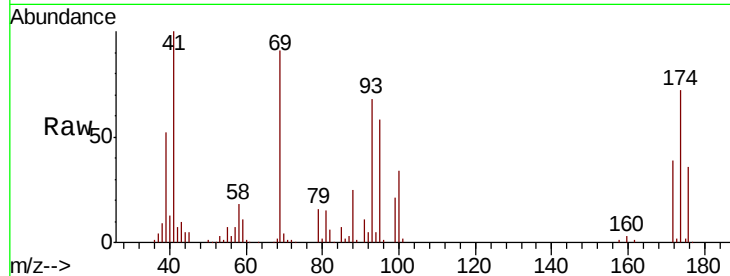
Tot Ion: 88 Resp: 28836

Ion Ratio Lower Upper

88 100

43 34.1 26.9 40.3

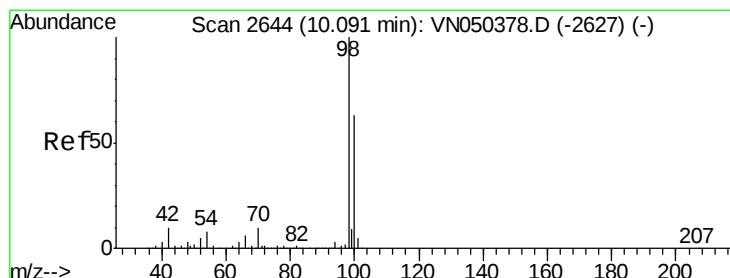
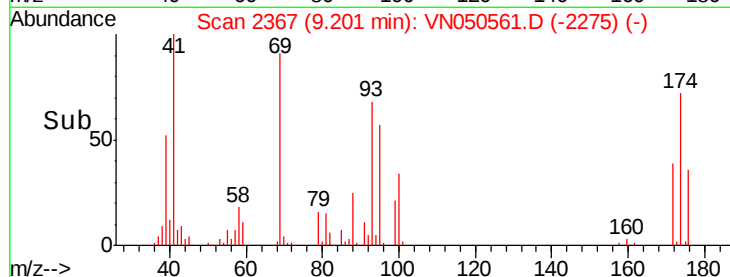
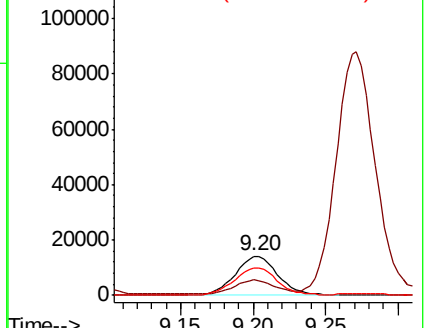
58 72.2 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.00 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050561.D

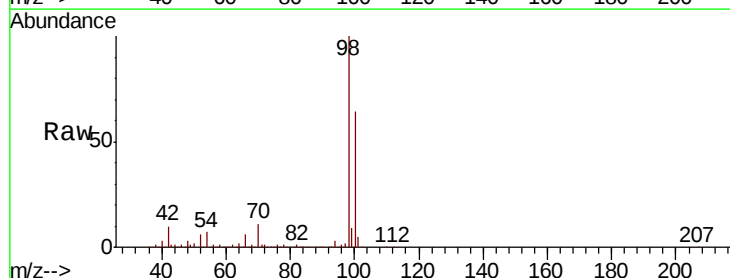
Acq: 13 Aug 2018 12:16

Tgt Ion: 98 Resp: 1447861

Ion Ratio Lower Upper

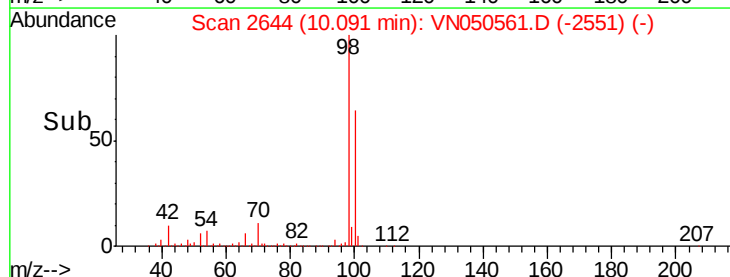
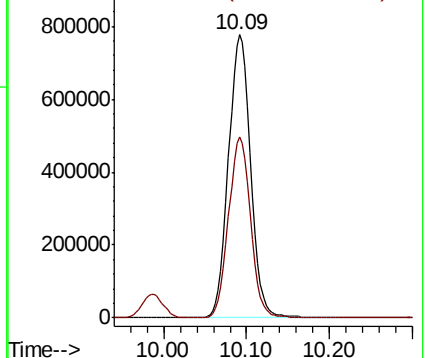
98 100

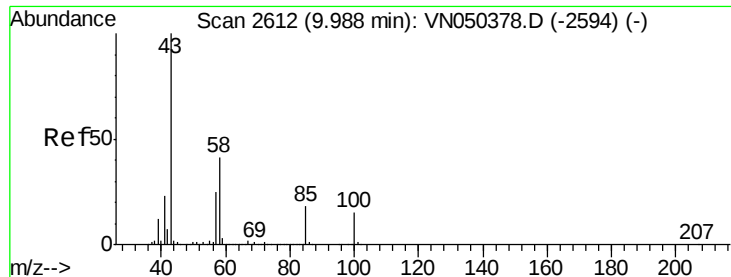
100 63.9 50.7 76.1



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: 77.41 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

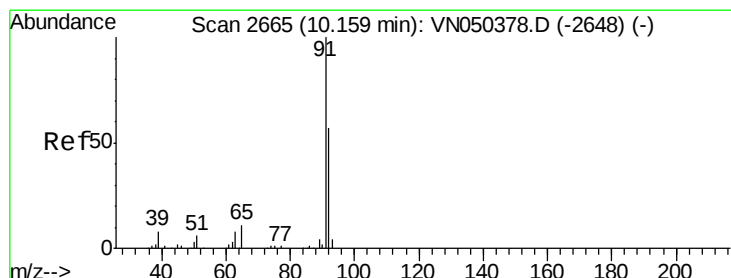
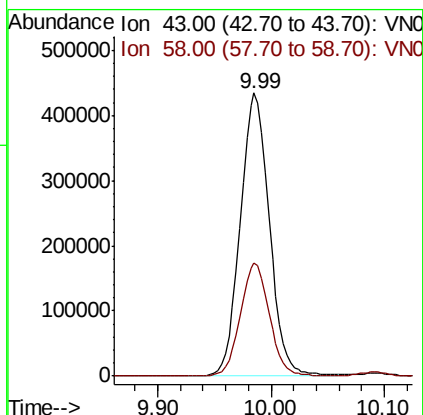
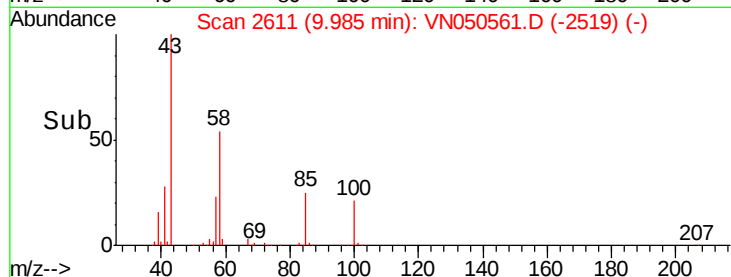
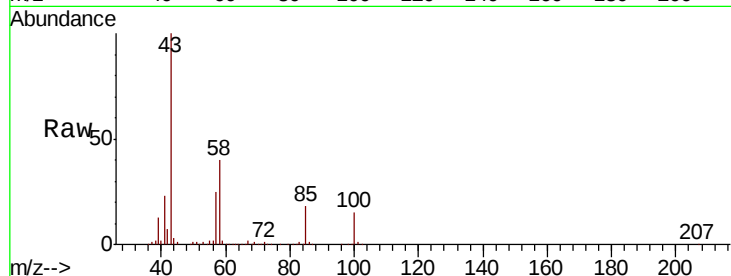
VN0813MBS01

Tot Ion: 43 Resp: 777642

Ion Ratio Lower Upper

43 100

58 39.9 31.9 47.9



#52

Toluene

Concen: 19.06 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050561.D

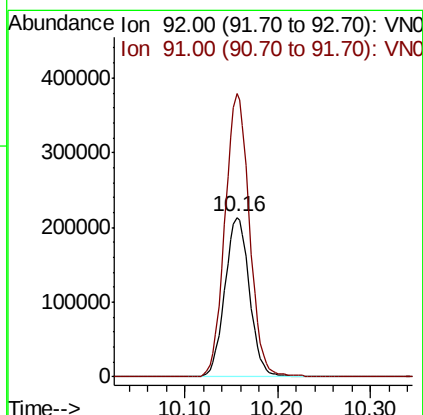
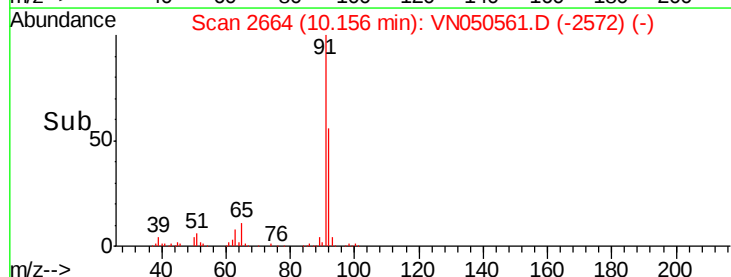
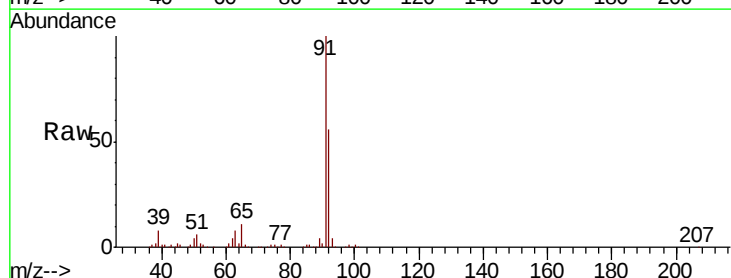
Acq: 13 Aug 2018 12:16

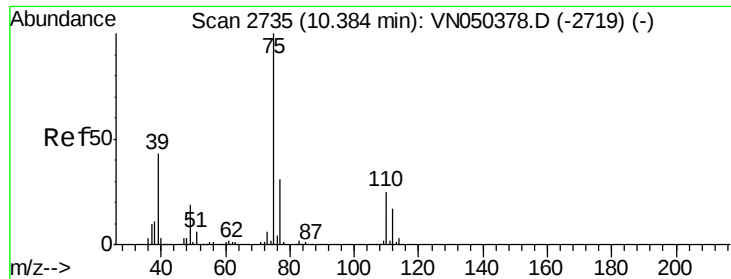
Tgt Ion: 92 Resp: 394982

Ion Ratio Lower Upper

92 100

91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 17.66 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

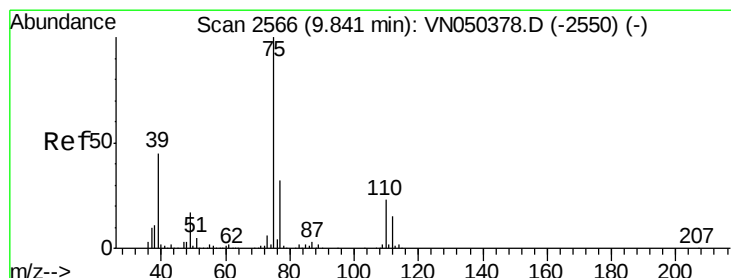
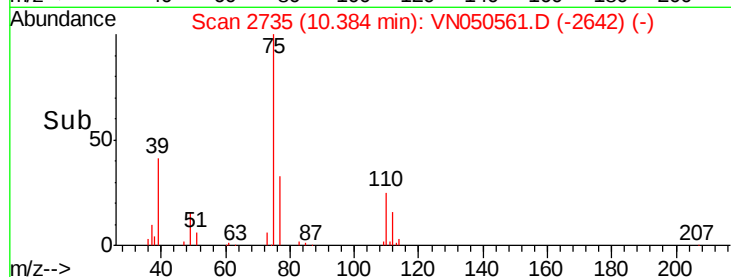
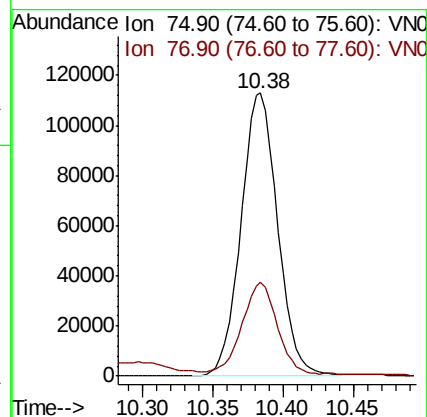
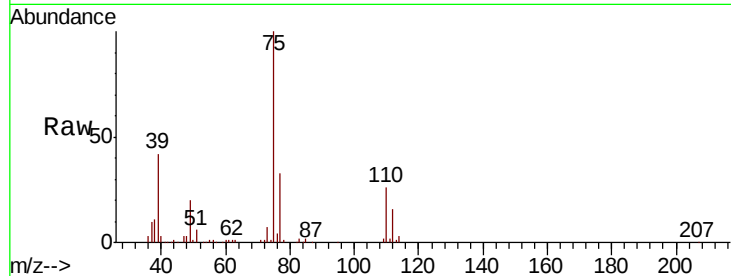
VN0813MBS01

Tot Ion: 75 Resp: 205674

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.77 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

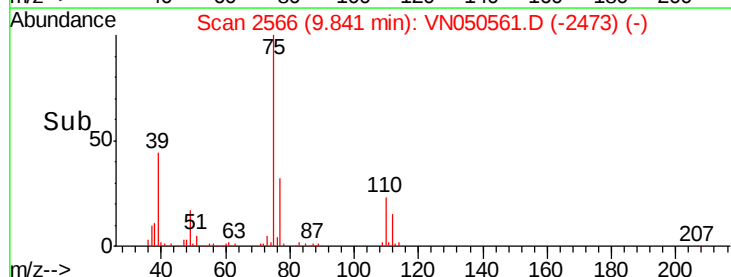
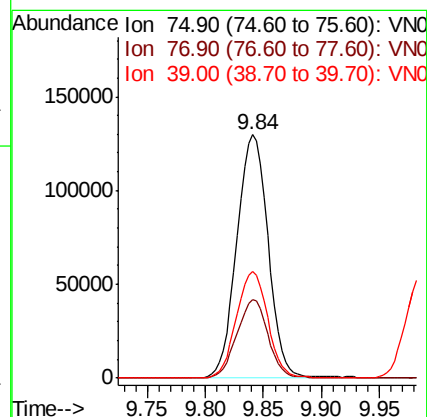
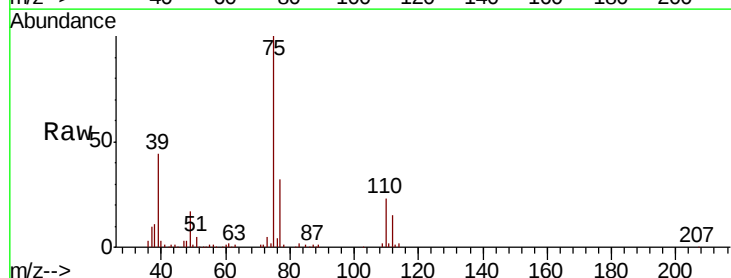
Tgt Ion: 75 Resp: 243984

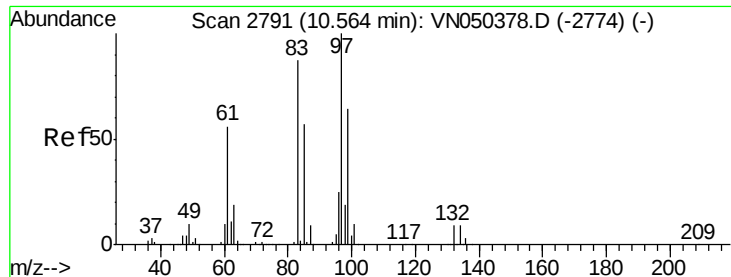
Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

39 43.8 36.6 55.0

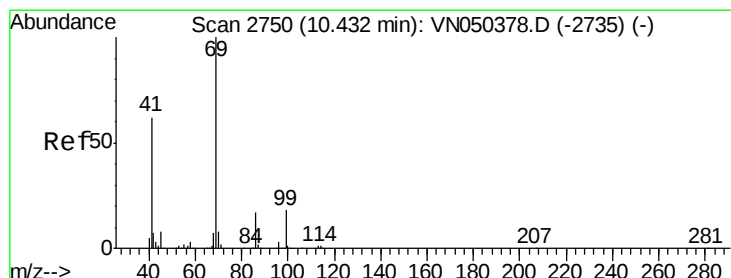
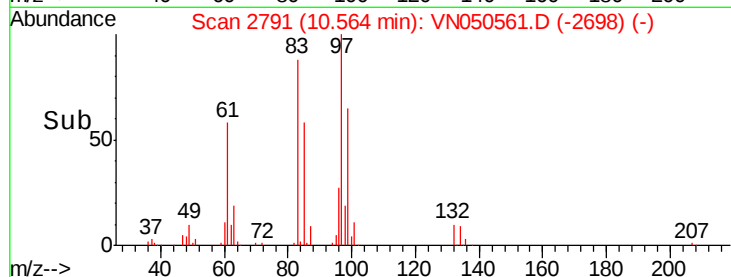
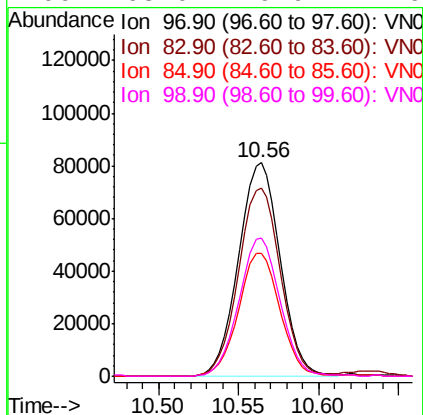
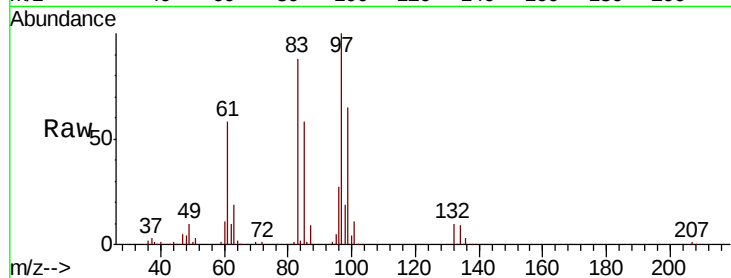




#55
 1,1,2-Trichloroethane
 Concen: 17.86 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

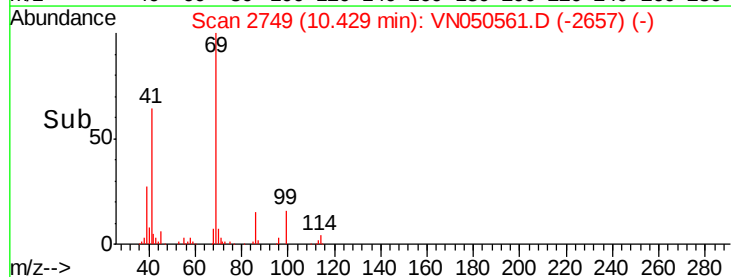
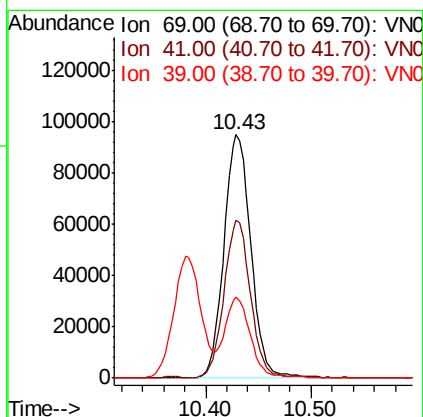
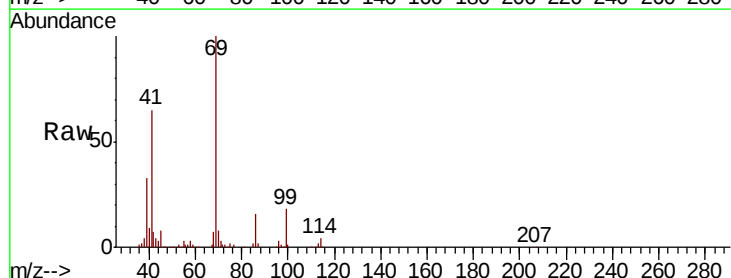
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

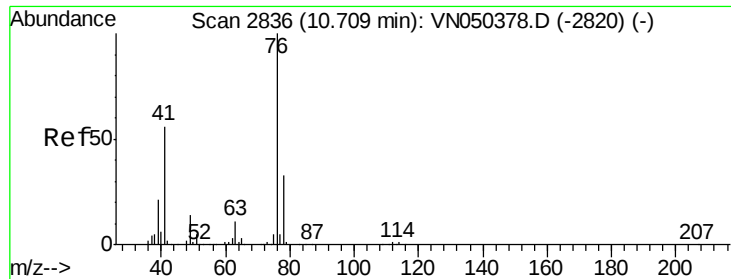
Tot Ion:	97	Resp:	144462
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.2	103.8
85	57.7	44.0	66.0
99	65.0	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 15.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion:	69	Resp:	167491
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.4
39	30.9	26.6	40.0

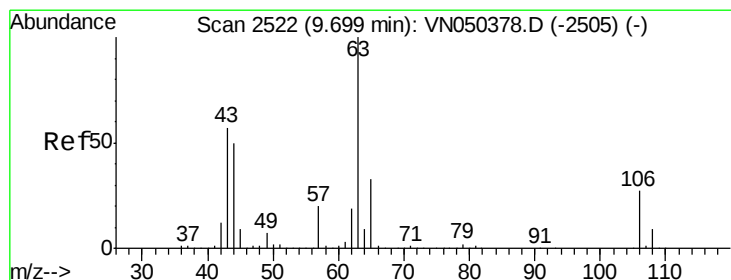
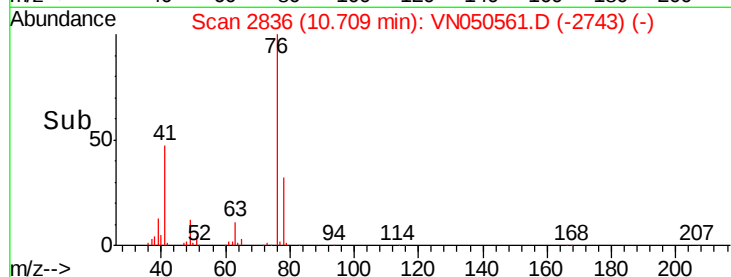
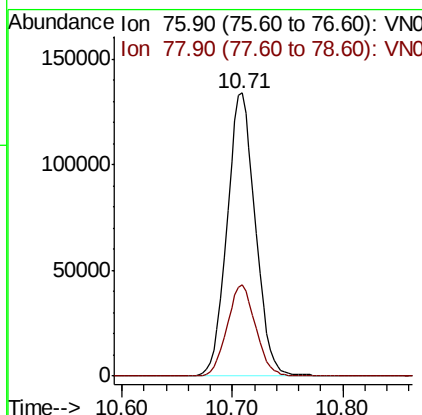
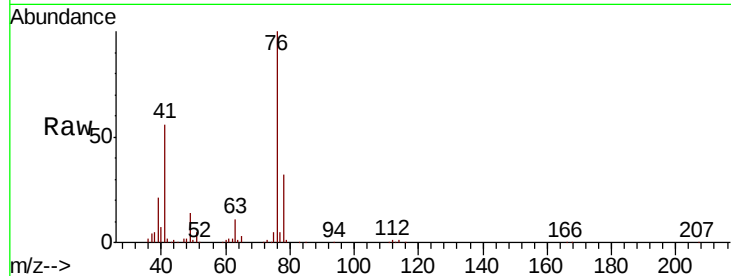




#57
 1,3-Dichloropropane
 Concen: 17.91 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

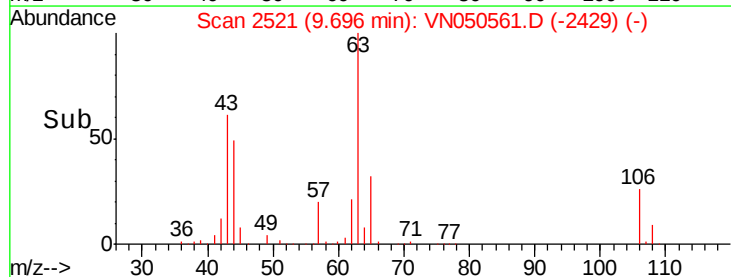
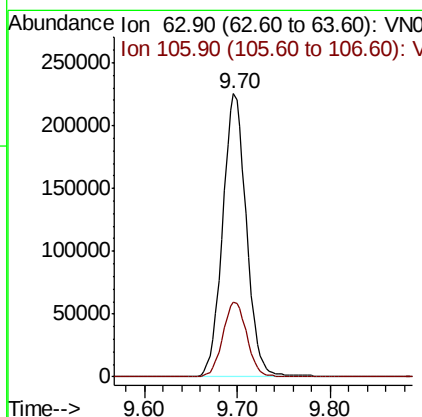
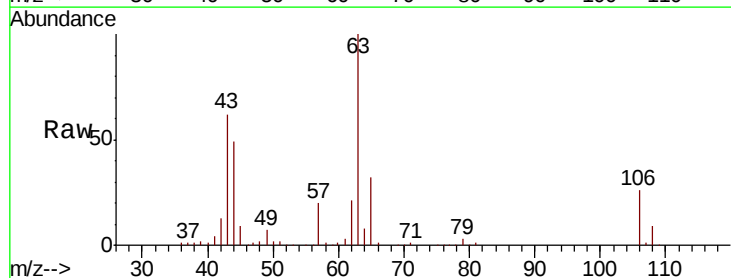
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBS01

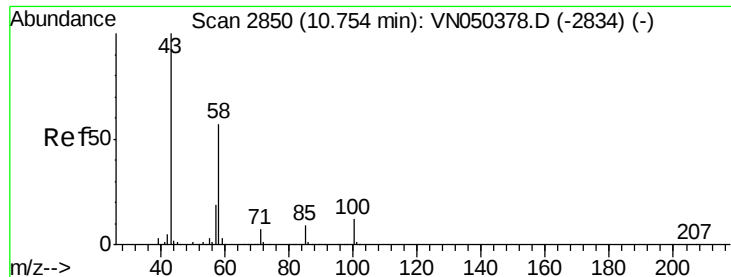
Tot Ion: 76 Resp: 237740
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.29 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion: 63 Resp: 400825
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

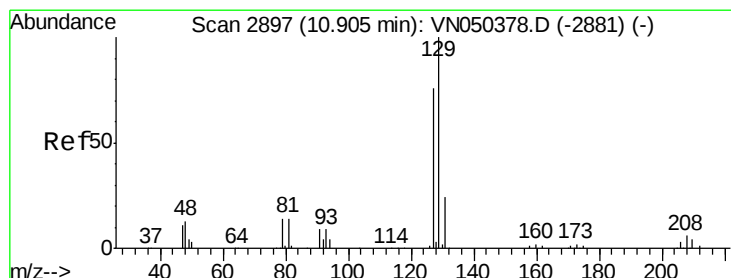
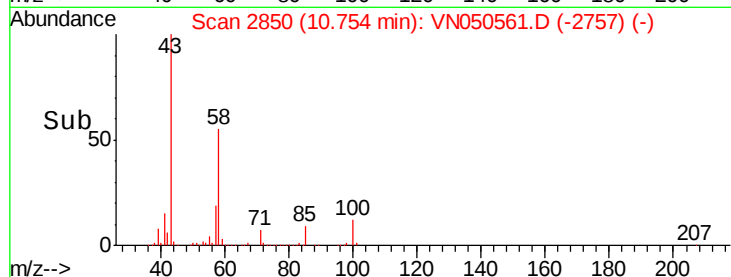
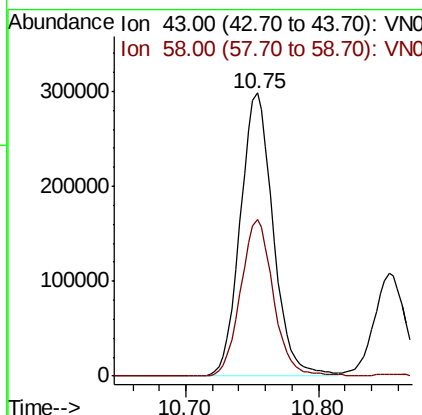
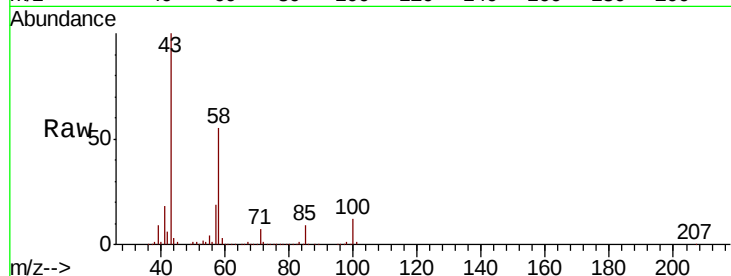




#59
2-Hexanone
Concen: 73.03 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

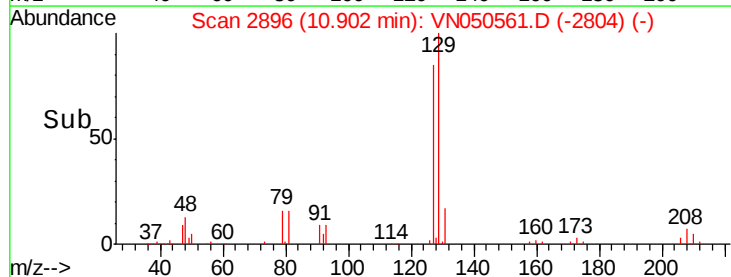
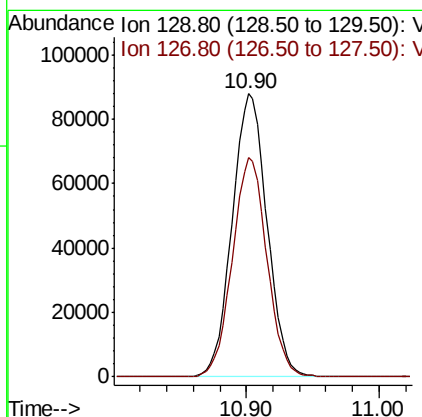
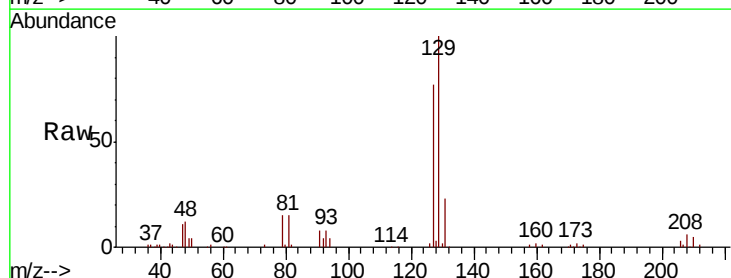
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

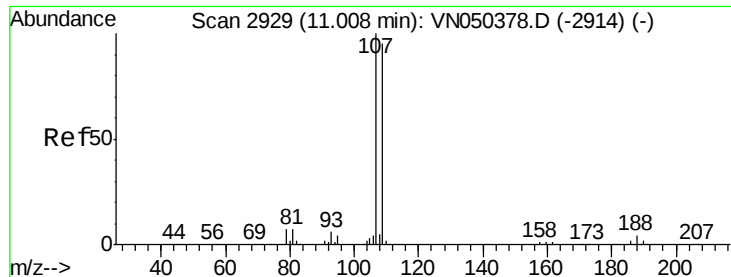
Tot Ion: 43 Resp: 511965
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7



#60
Dibromochloromethane
Concen: 18.01 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 129 Resp: 160479
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 17.31 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

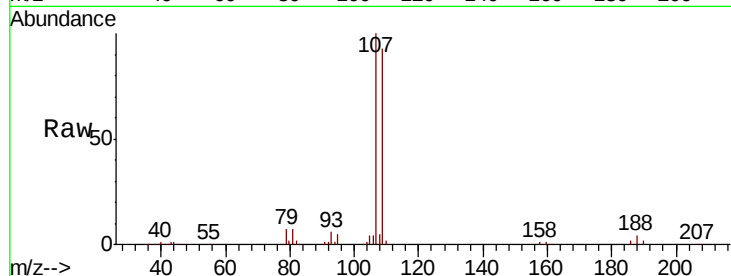
VN0813MBS01

Tot Ion:107 Resp: 138001

Ion Ratio Lower Upper

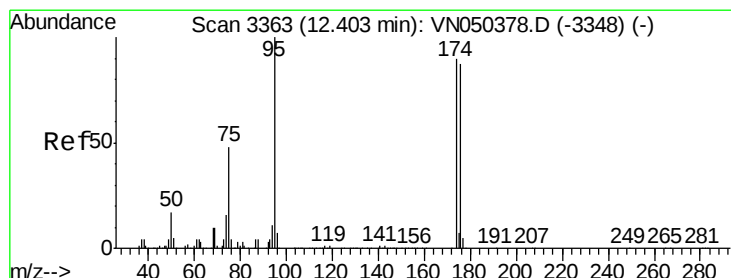
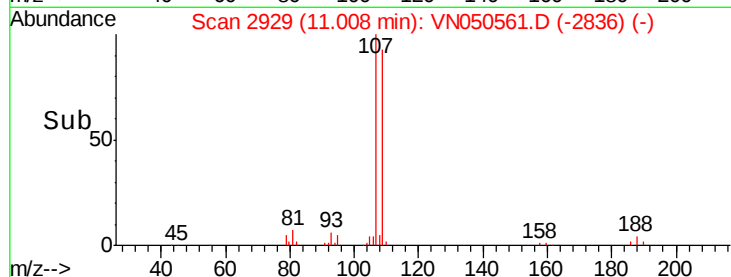
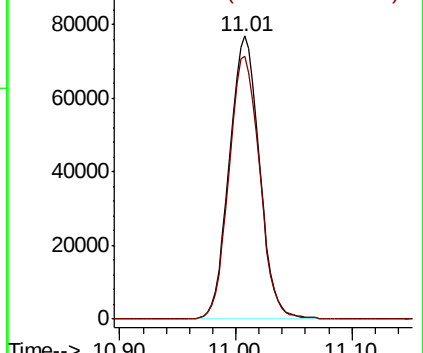
107 100

109 94.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

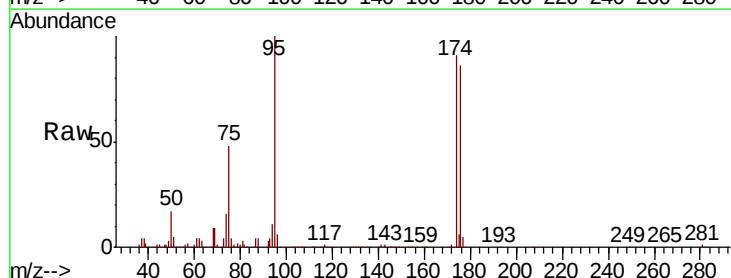
Tgt Ion: 95 Resp: 471924

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

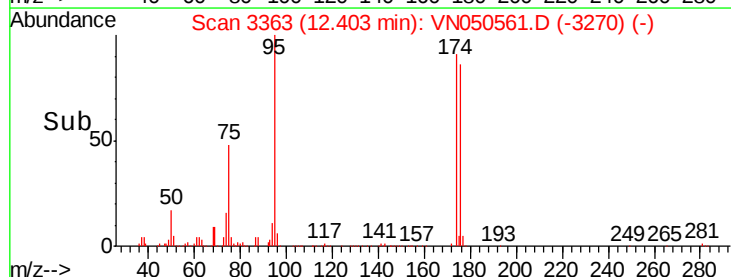
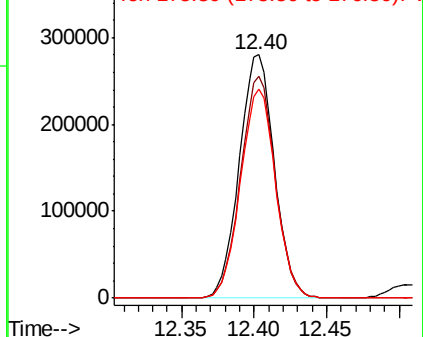
176 85.9 0.0 173.4

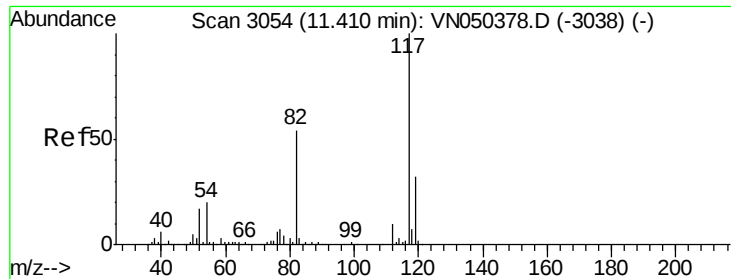


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

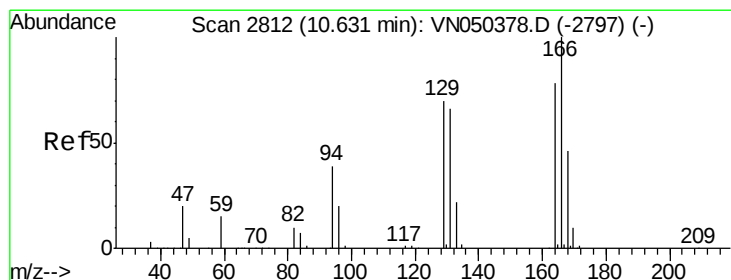
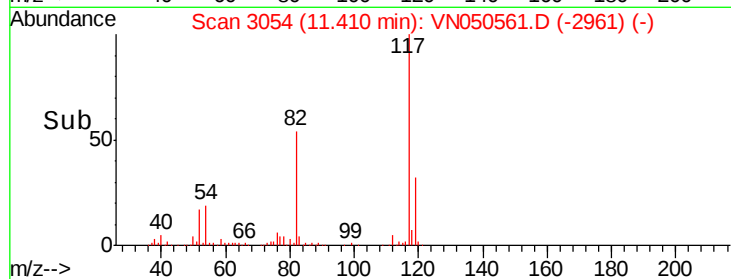
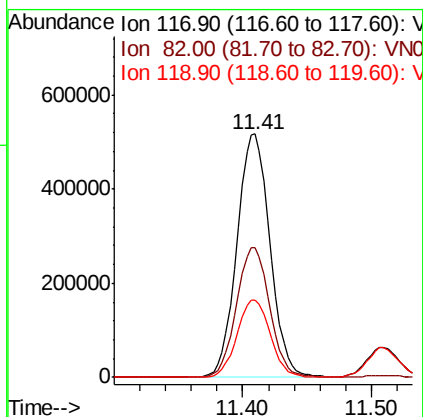
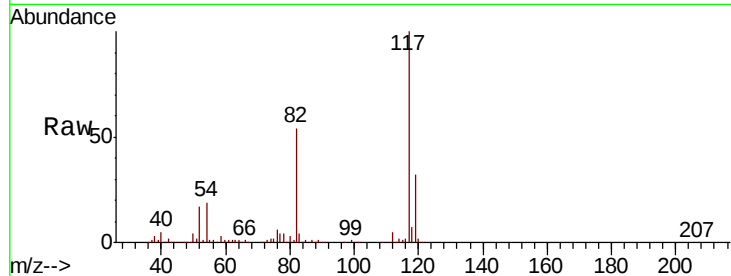




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

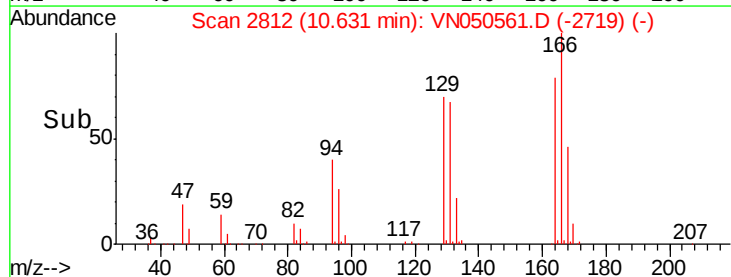
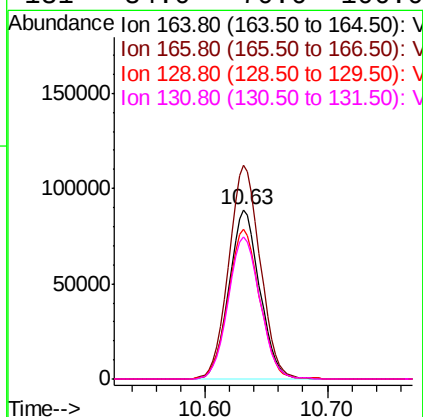
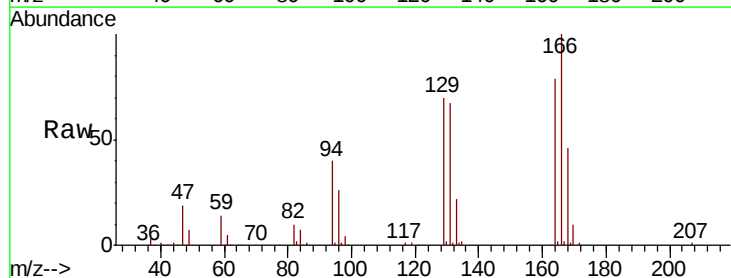
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

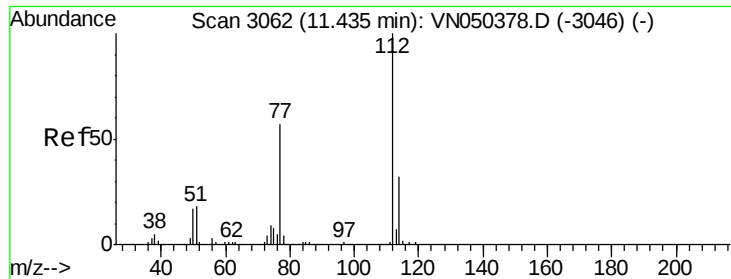
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.7	65.5
119	32.0	26.1	39.1



#64
Tetrachloroethene
Concen: 18.11 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.1	153.1
129	88.2	73.2	109.8
131	84.0	70.6	106.0

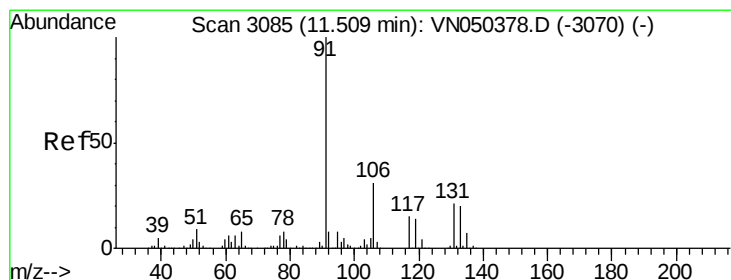
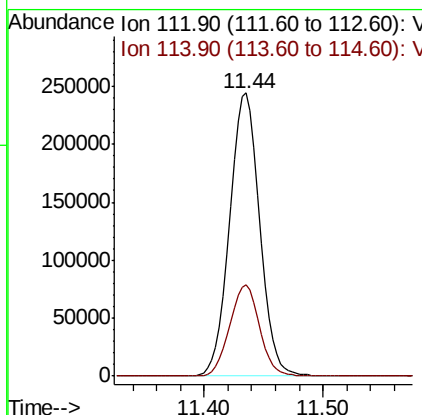
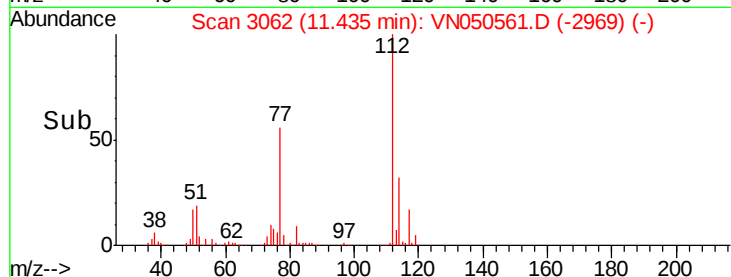
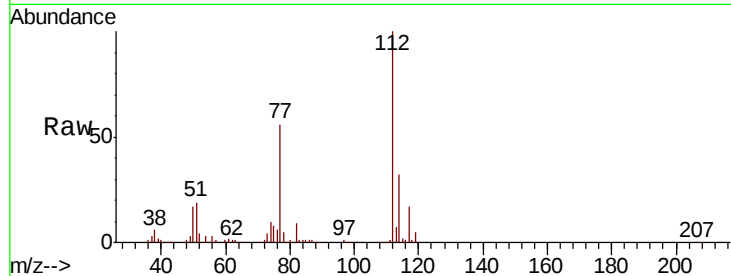




#65
Chlorobenzene
Concen: 18.48 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

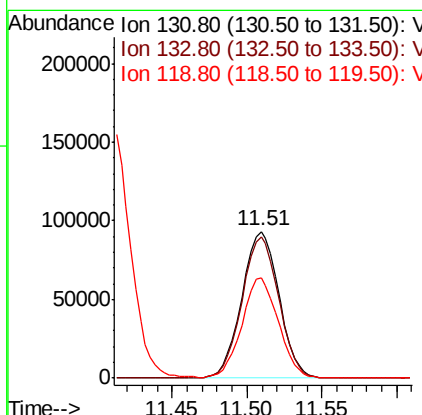
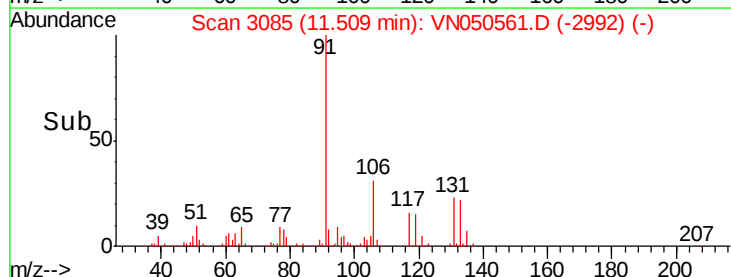
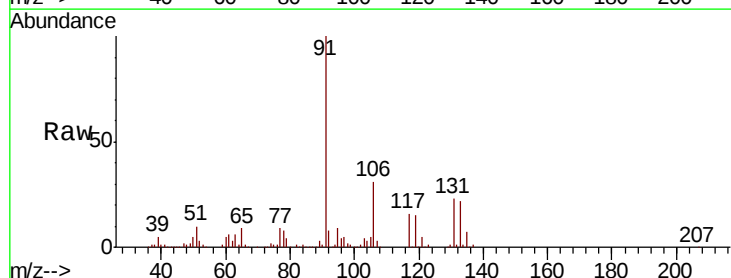
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

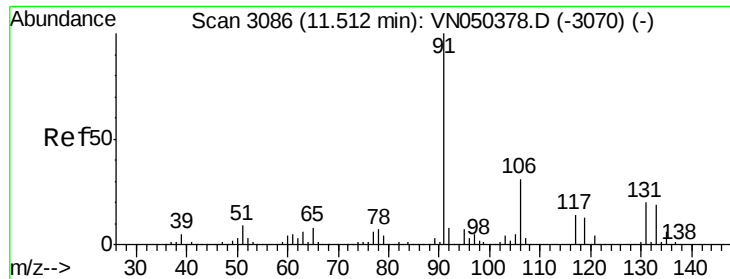
Tot Ion:112 Resp: 427246
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.22 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion:131 Resp: 161722
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 66.9 32.9 98.7

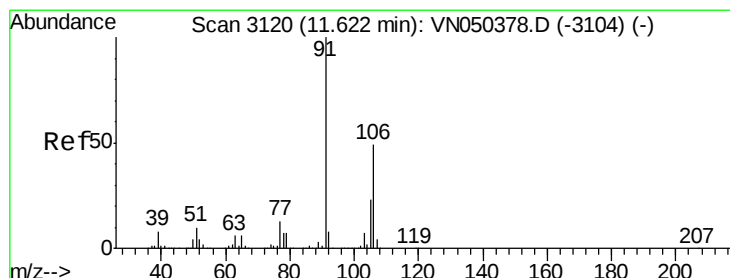
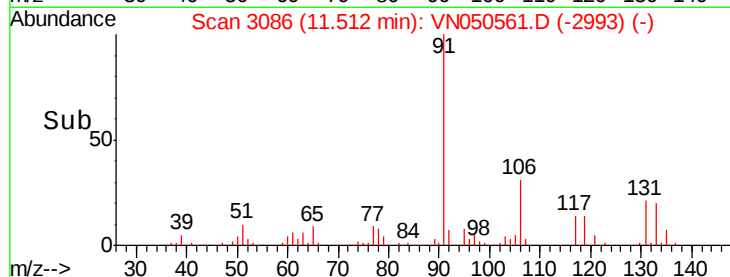
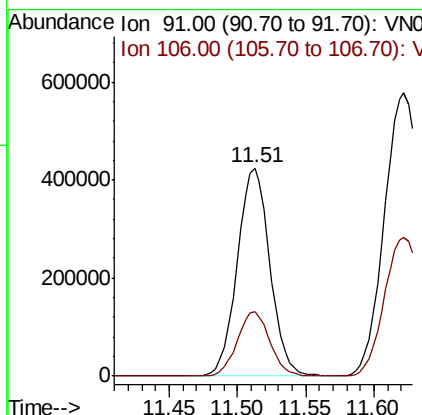
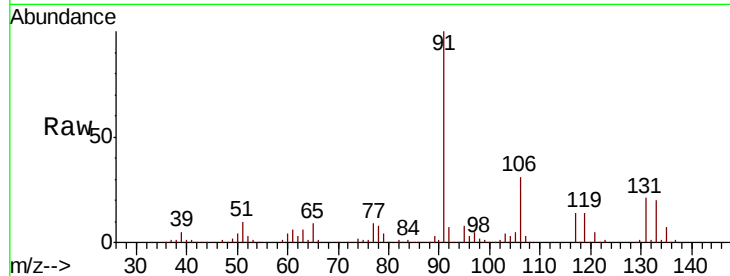




#67
Ethyl Benzene
Concen: 18.83 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

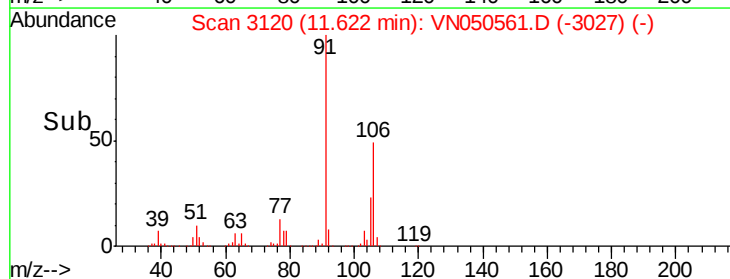
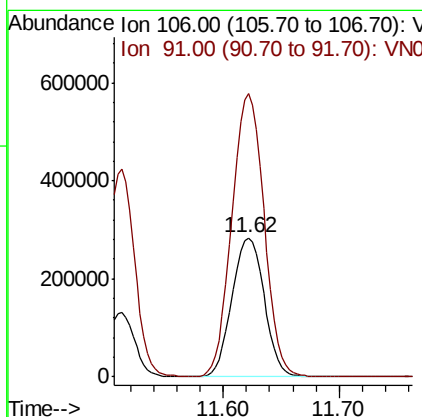
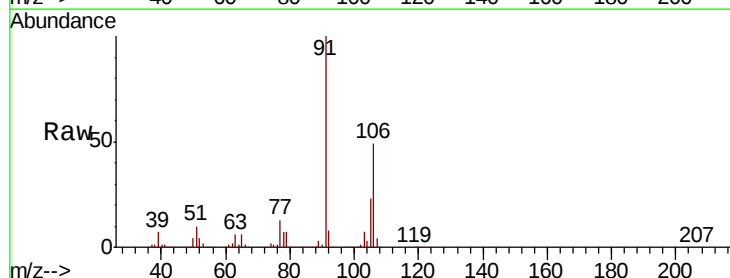
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

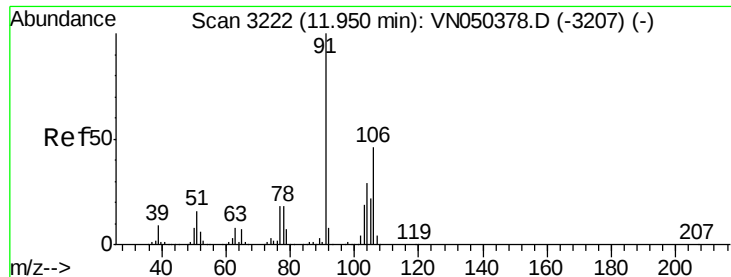
Tot Ion: 91 Resp: 703824
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 38.55 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 106 Resp: 548495
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.2

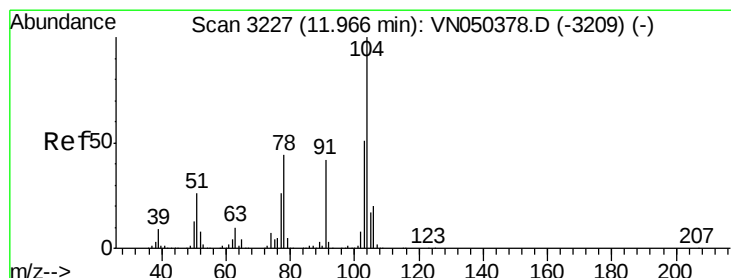
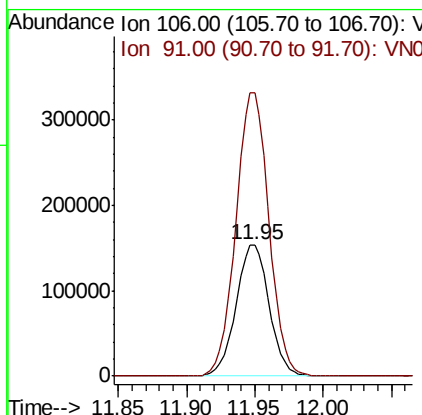
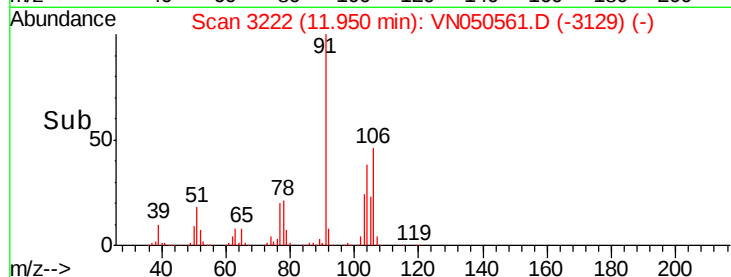
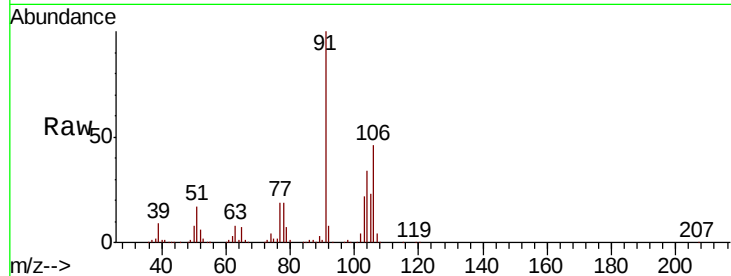




#69
o-Xylene
Concen: 18.80 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

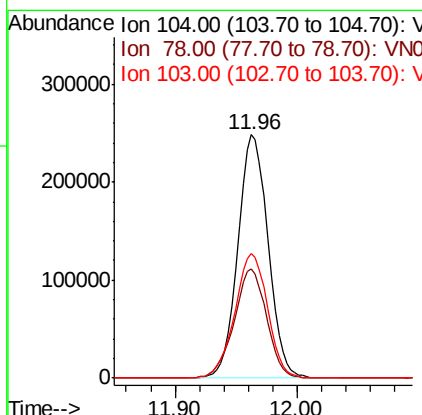
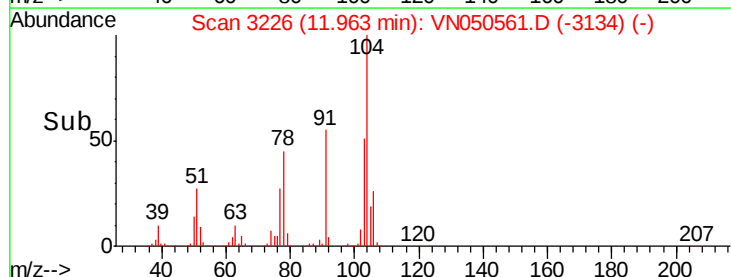
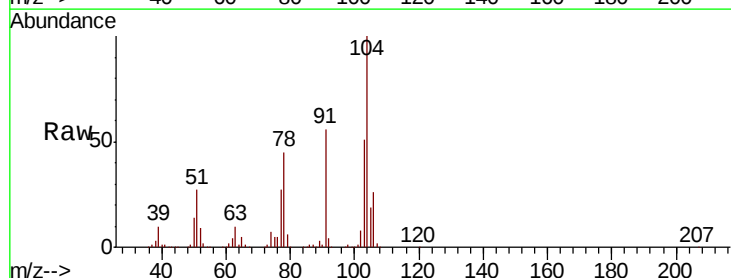
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

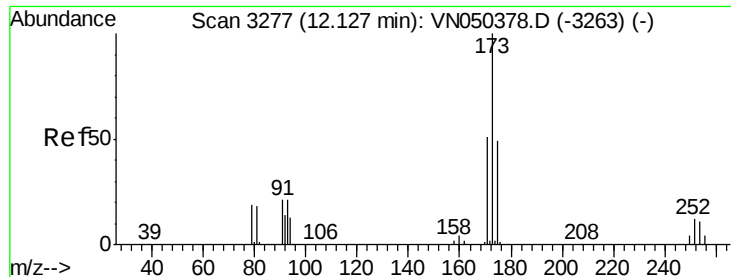
Tot Ion:106 Resp: 257687
Ion Ratio Lower Upper
106 100
91 216.3 107.7 323.1



#70
Styrene
Concen: 19.08 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion:104 Resp: 425137
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 55.5 45.0 67.6

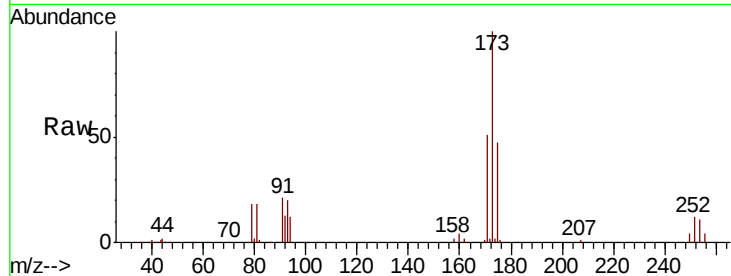




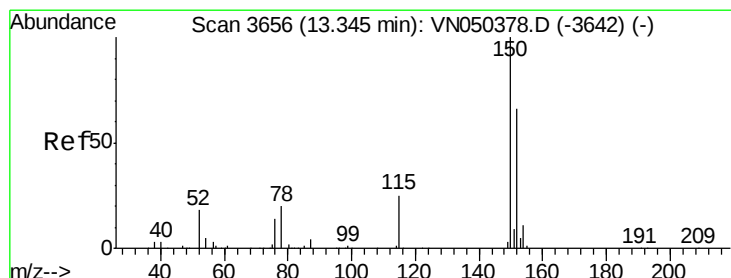
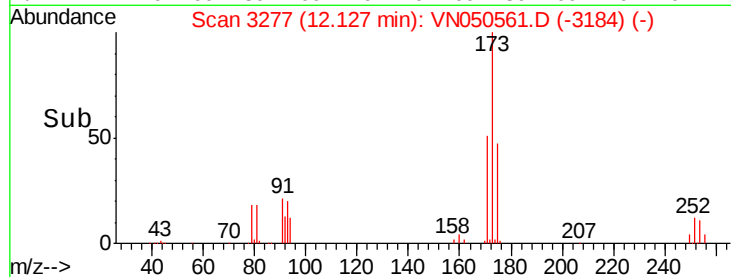
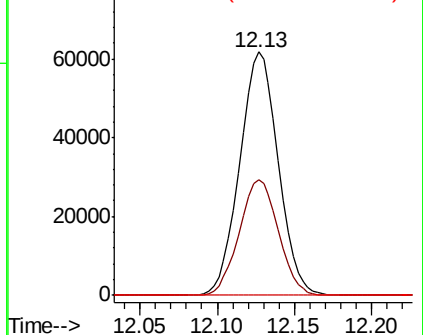
#71
Bromoform
Concen: 17.37 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion:173 Resp: 106795
Ion Ratio Lower Upper
173 100
175 48.4 24.1 72.2
254 0.0 0.2 0.2#

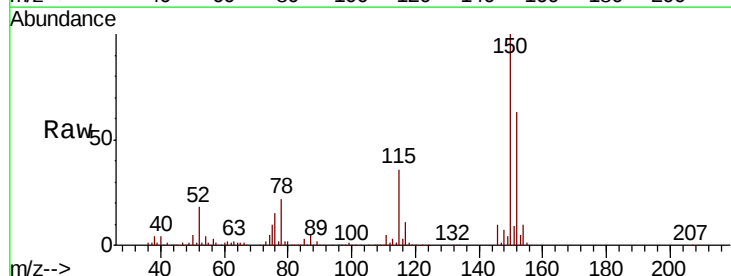


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

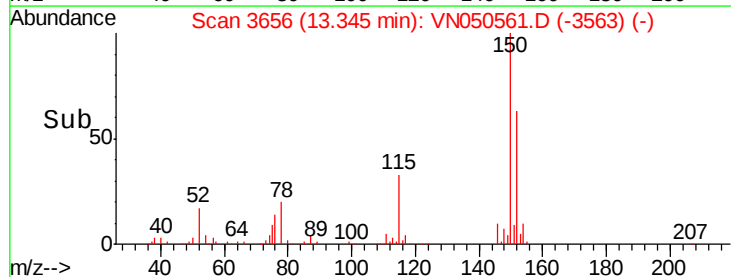
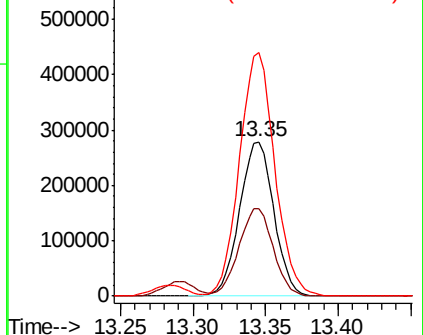


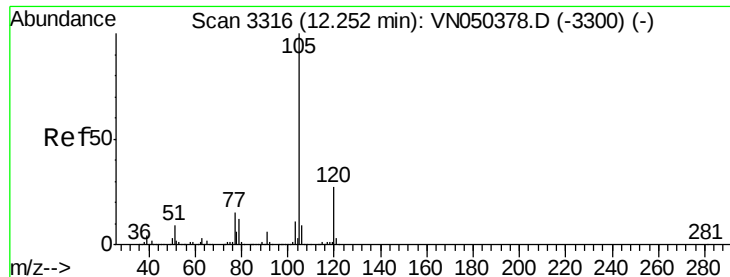
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion:152 Resp: 456940
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.3
150 163.1 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.19 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

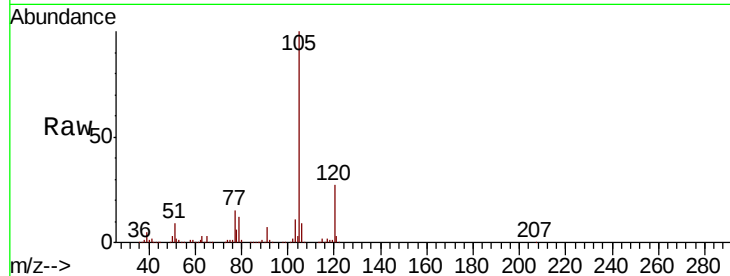
VN0813MBS01

Tot Ion:105 Resp: 692600

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

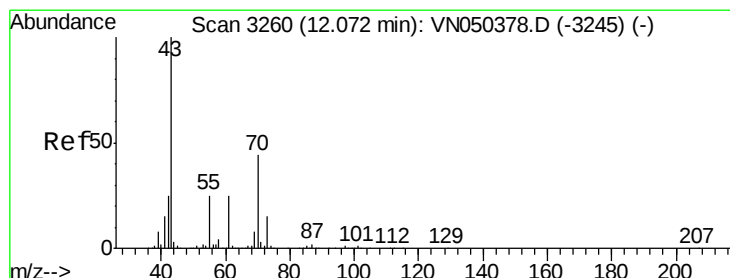
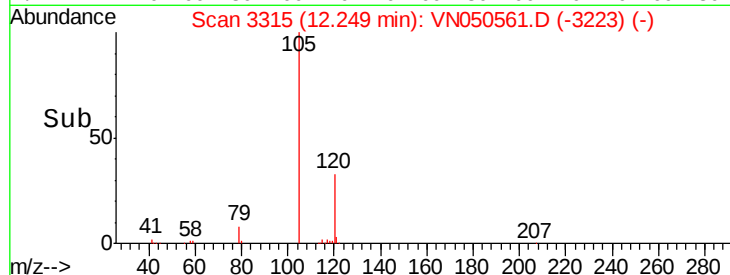
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 15.86 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Tgt Ion: 43 Resp: 176331

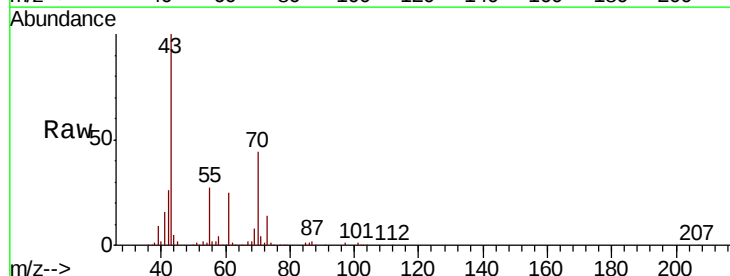
Ion Ratio Lower Upper

43 100

70 44.2 34.4 51.6

55 27.9 20.8 31.2

61 24.8 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

12.07

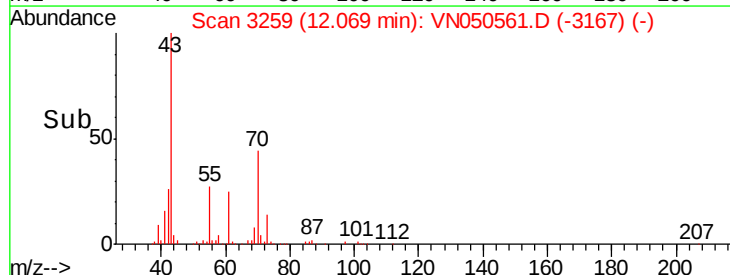
150000

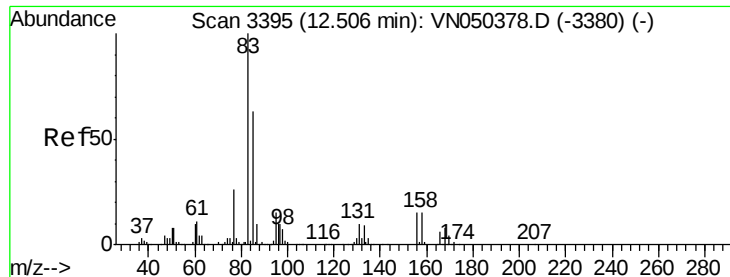
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.76 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

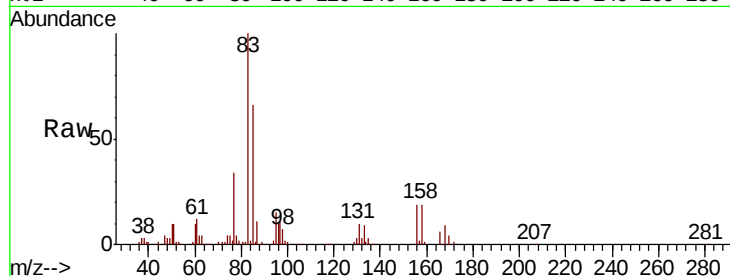
Tot Ion: 83 Resp: 175783

Ion Ratio Lower Upper

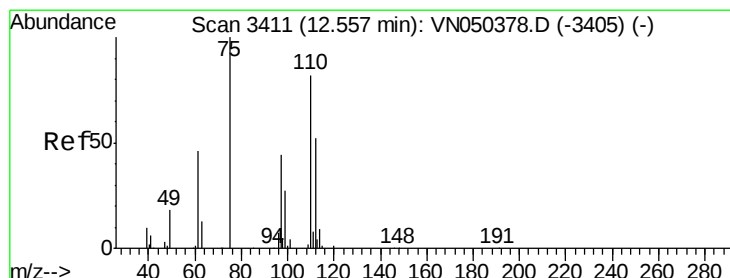
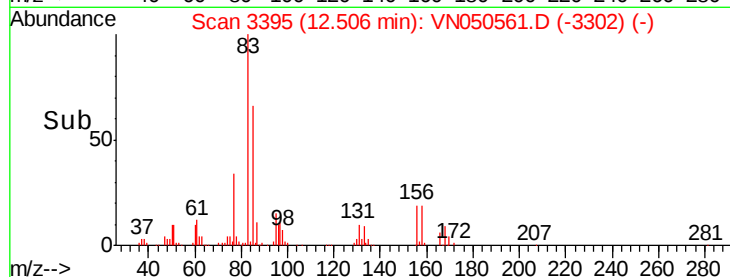
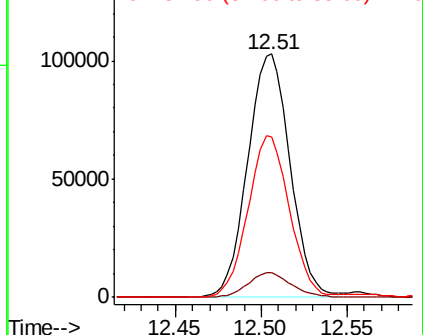
83 100

131 10.4 5.1 15.3

85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 24.64 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050561.D

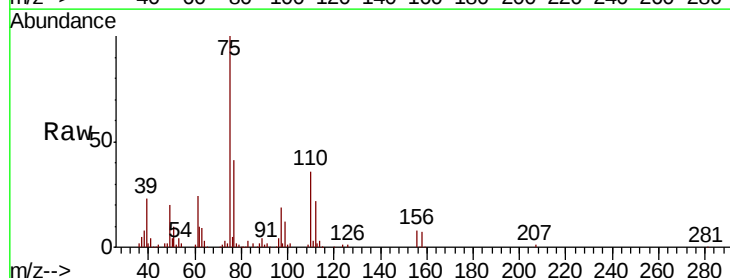
Acq: 13 Aug 2018 12:16

Tgt Ion: 75 Resp: 203780

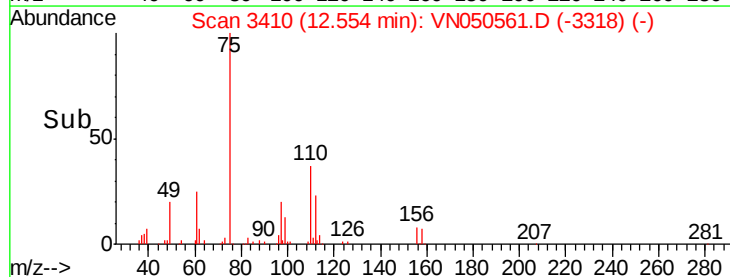
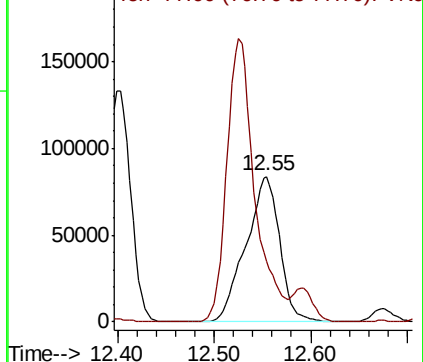
Ion Ratio Lower Upper

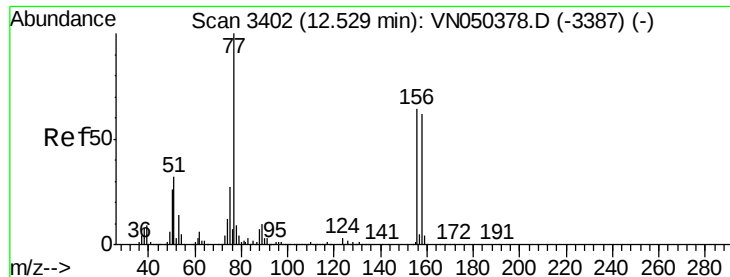
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.57 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

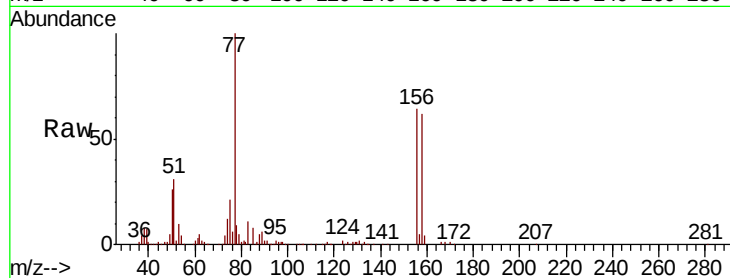
Tot Ion:156 Resp: 179852

Ion Ratio Lower Upper

156 100

77 183.3 91.7 275.1

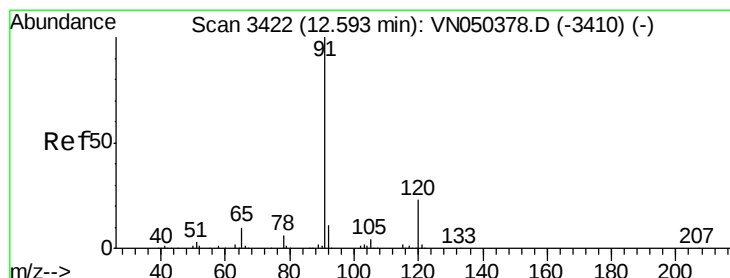
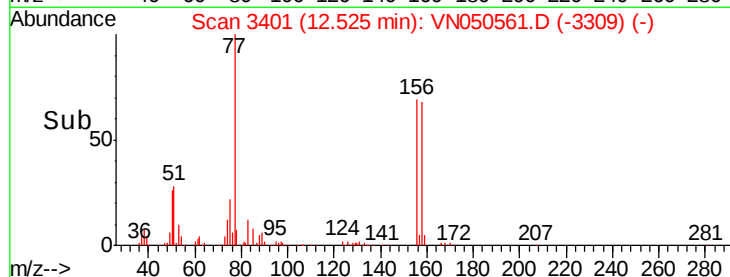
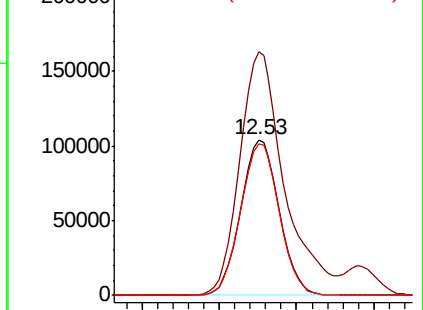
158 98.0 48.9 146.6



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: 20.15 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050561.D

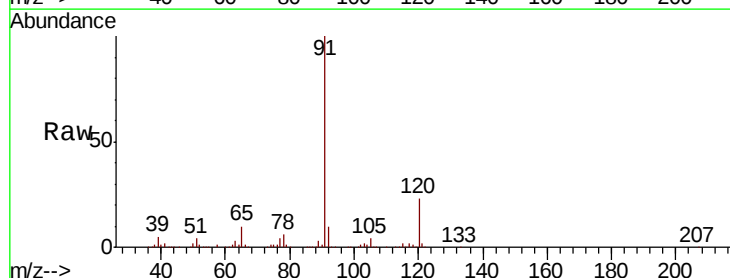
Acq: 13 Aug 2018 12:16

Tgt Ion: 91 Resp: 782406

Ion Ratio Lower Upper

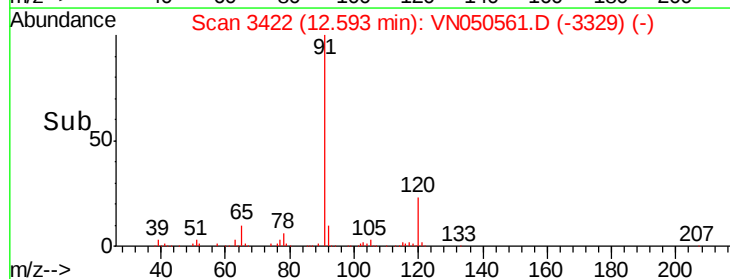
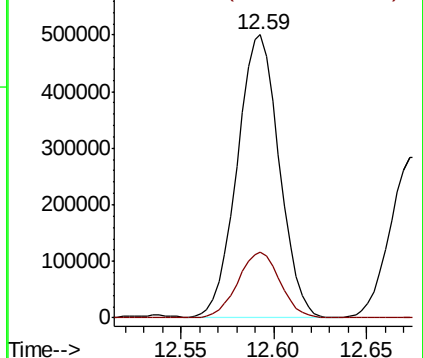
91 100

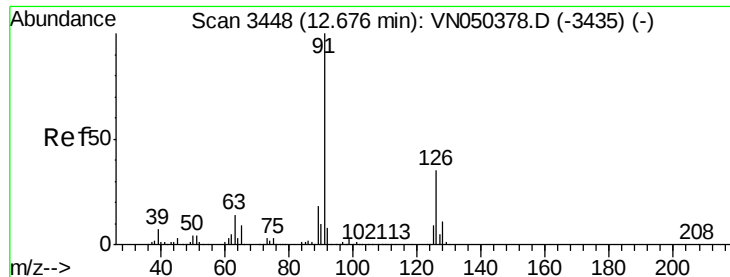
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampled :

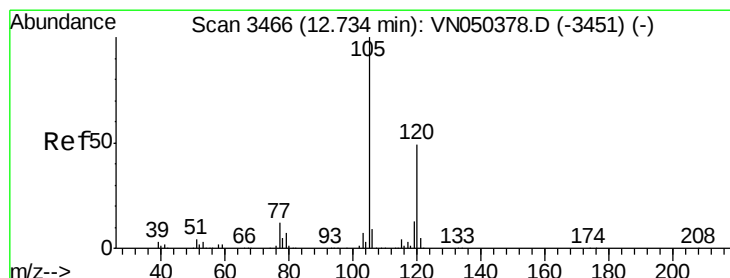
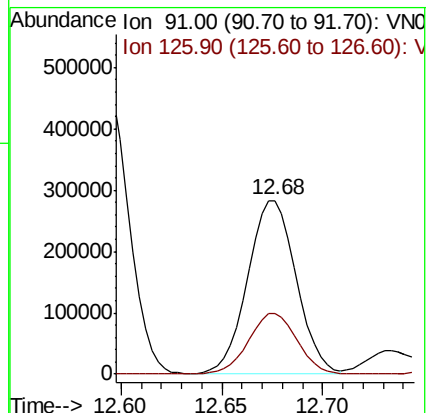
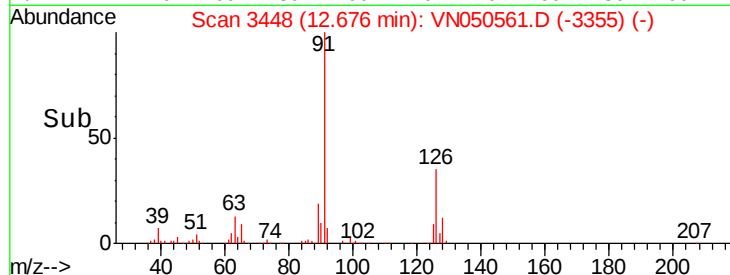
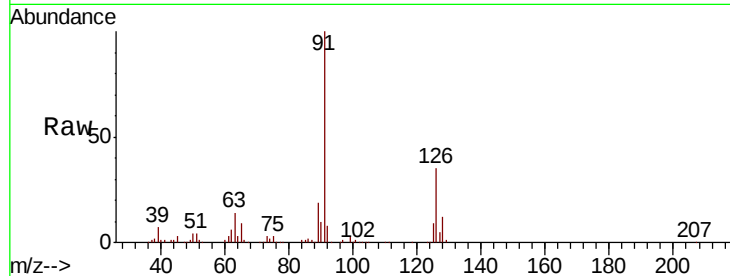
VN0813MBS01

Tot Ion: 91 Resp: 475155

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050561.D

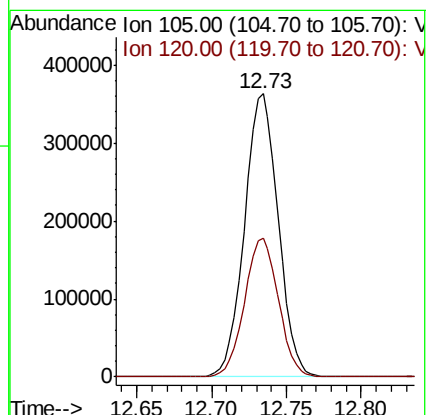
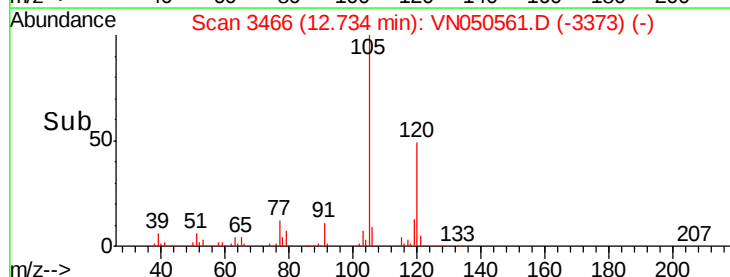
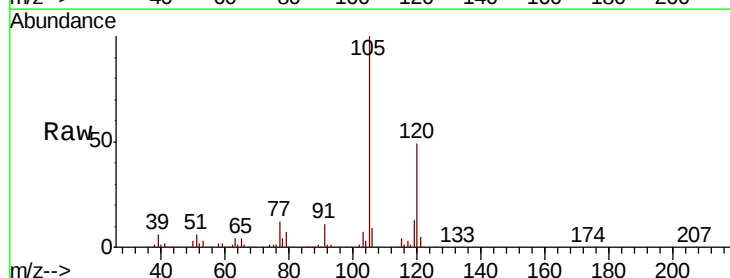
Acq: 13 Aug 2018 12:16

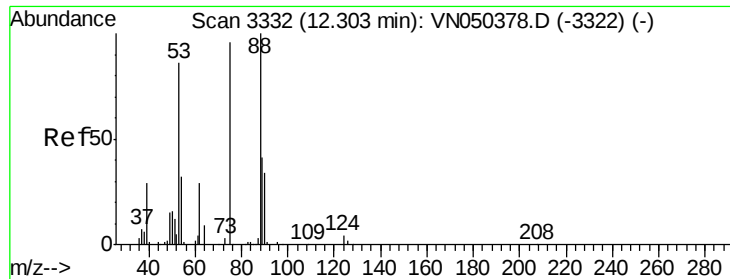
Tgt Ion: 105 Resp: 567418

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2

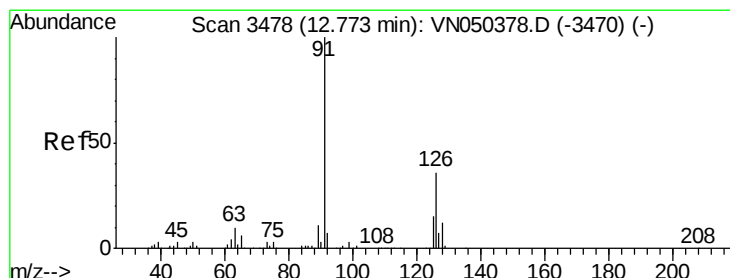
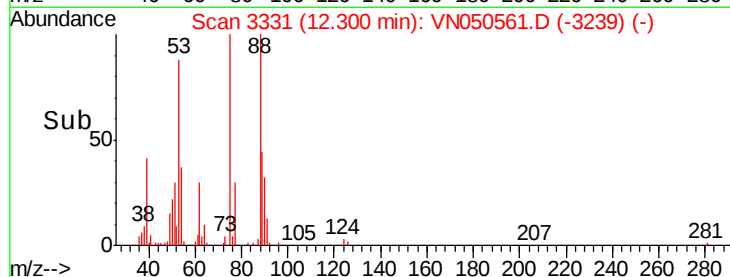
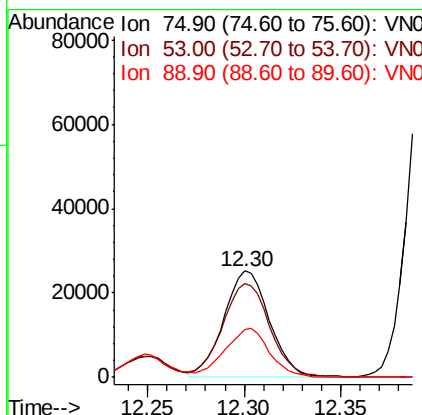
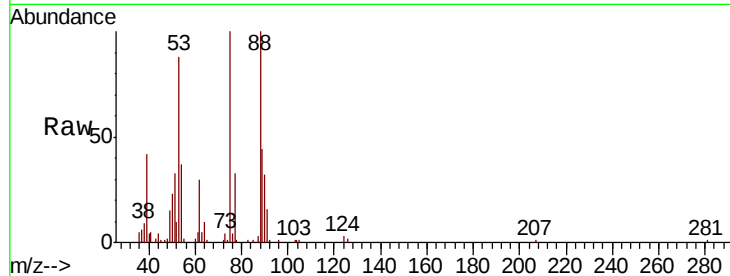




#81
trans-1,4-Dichloro-2-butene
Concen: 17.22 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

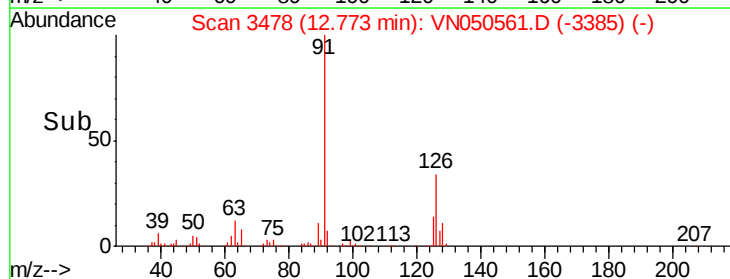
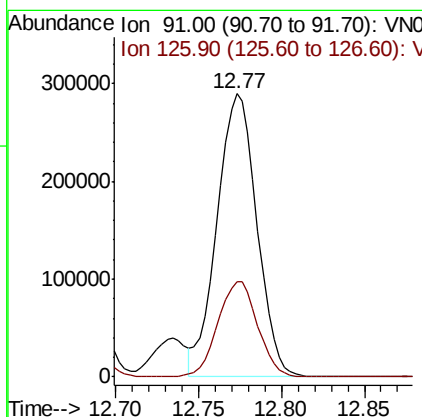
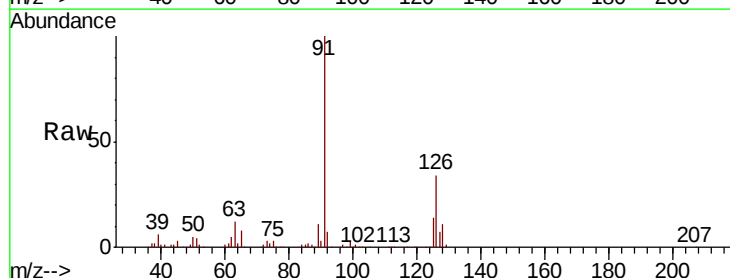
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

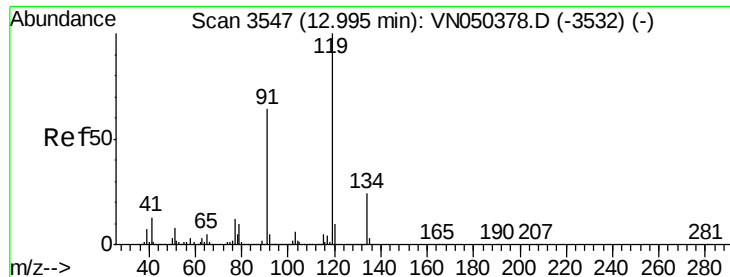
Tot Ion: 75 Resp: 40541
Ion Ratio Lower Upper
75 100
53 94.0 73.5 110.3
89 45.5 36.0 54.0



#82
4-Chlorotoluene
Concen: 20.14 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion: 91 Resp: 481653
Ion Ratio Lower Upper
91 100
126 33.7 17.0 51.0





#83

tert-Butylbenzene

Concen: 20.02 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

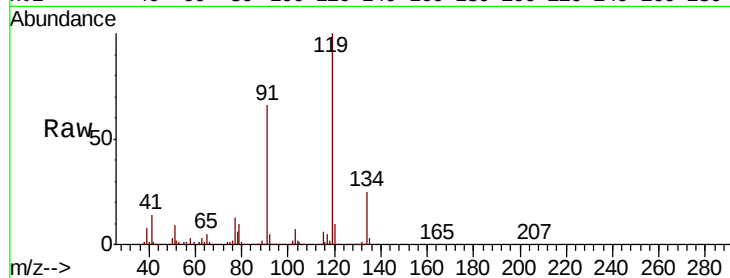
Tot Ion:119 Resp: 486342

Ion Ratio Lower Upper

119 100

91 63.7 32.1 96.3

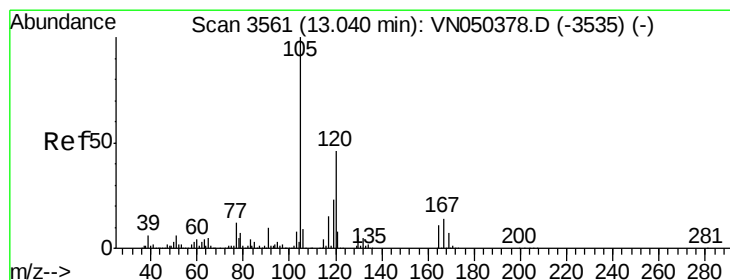
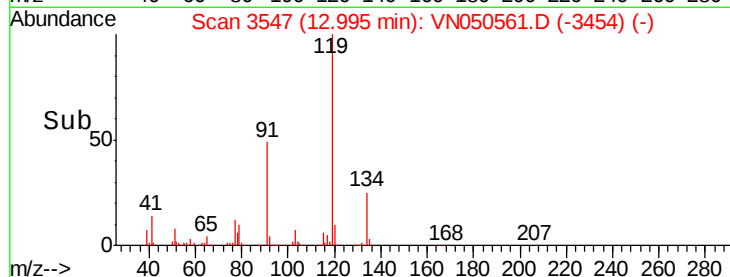
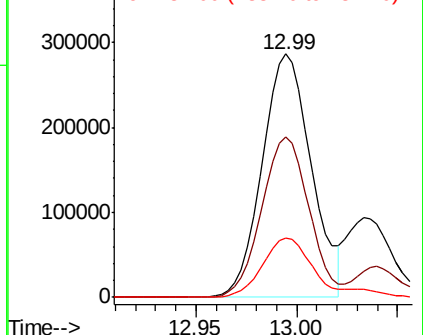
134 24.1 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.40 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050561.D

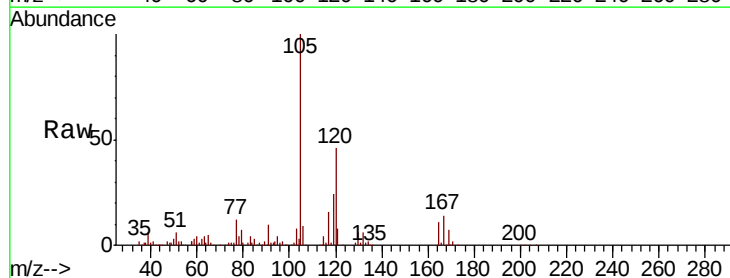
Acq: 13 Aug 2018 12:16

Tgt Ion:105 Resp: 575449

Ion Ratio Lower Upper

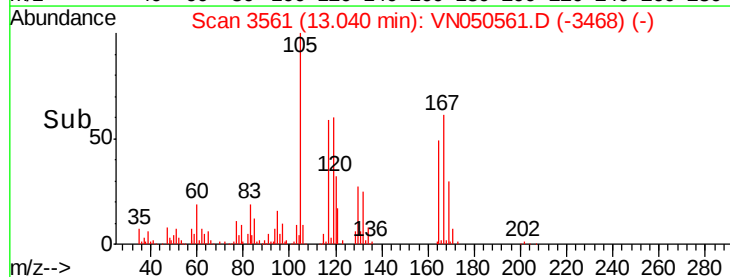
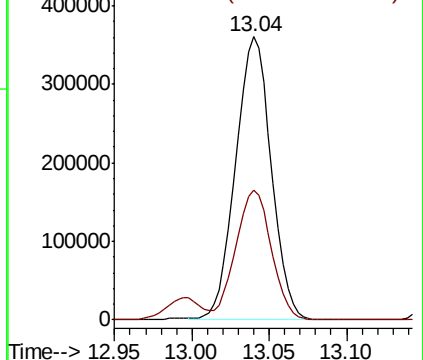
105 100

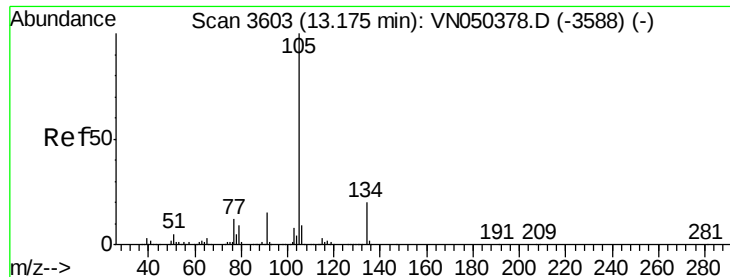
120 46.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.75 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

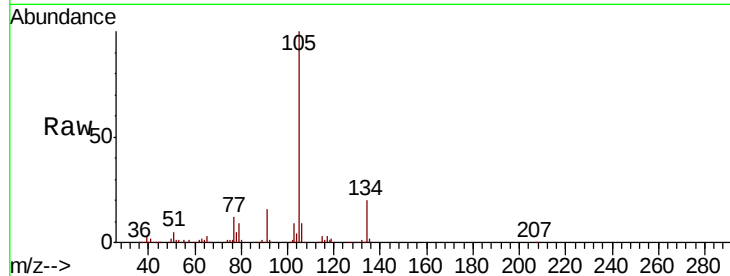
VN0813MBS01

Tot Ion:105 Resp: 639266

Ion Ratio Lower Upper

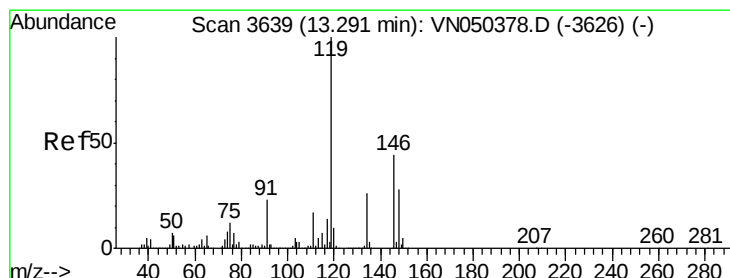
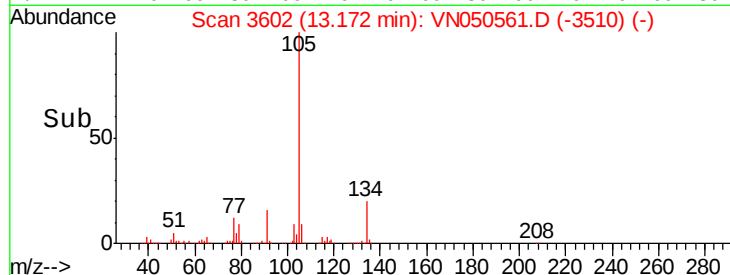
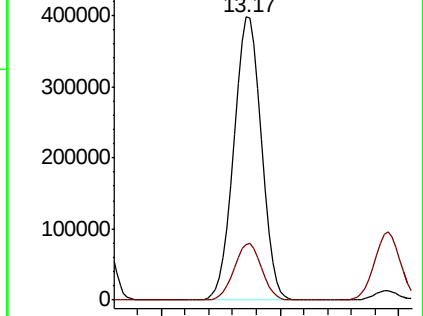
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

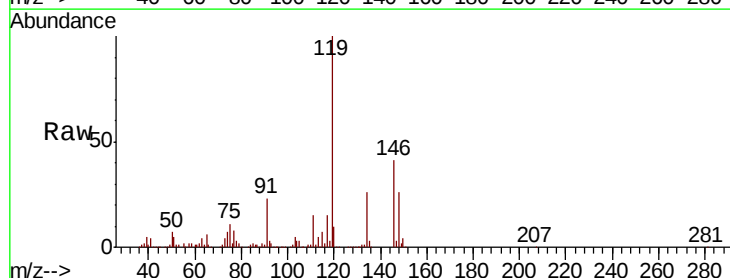
Tgt Ion:119 Resp: 539852

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

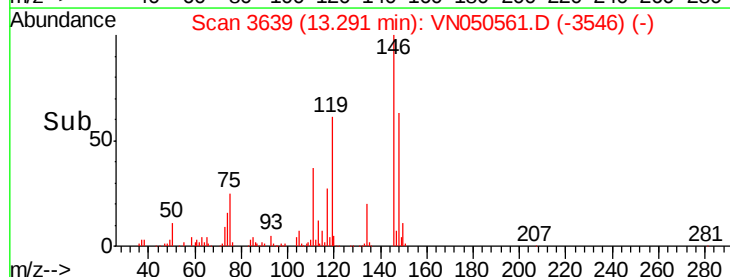
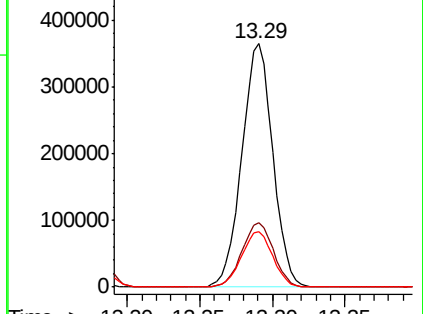
91 23.0 11.4 34.2

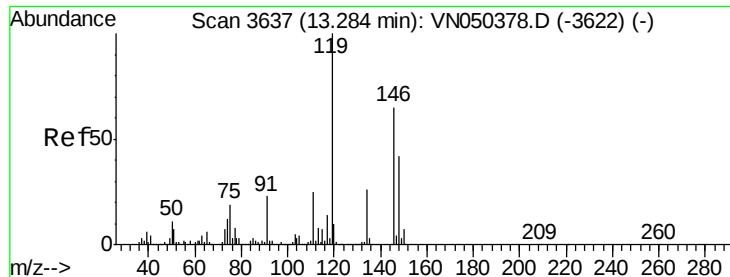


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.88 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

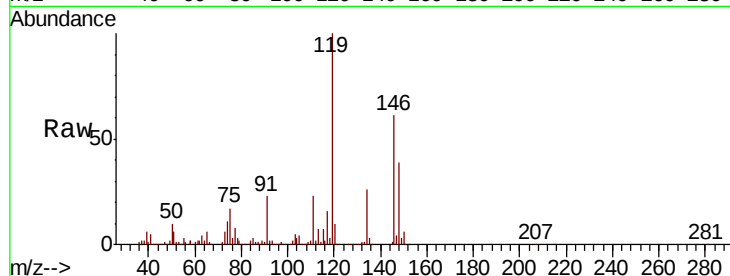
MSVOA_N

ClientSampleId :

VN0813MBS01

Tot Ion:146 Resp: 308987

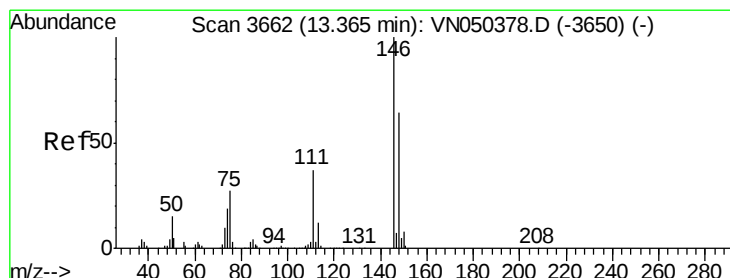
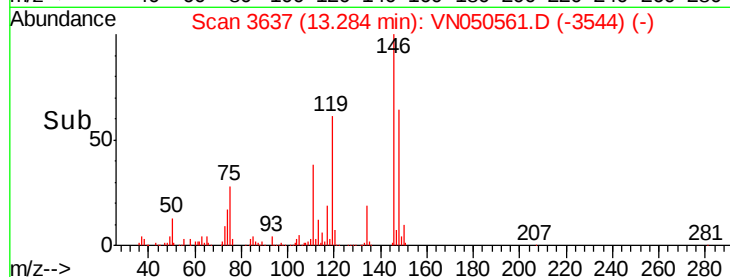
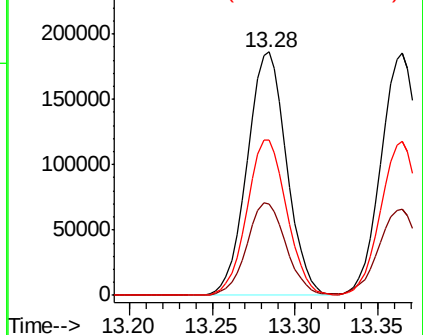
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.4	31.9	95.9



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: 18.50 ug/l

RT: 13.36 min Scan# 3662

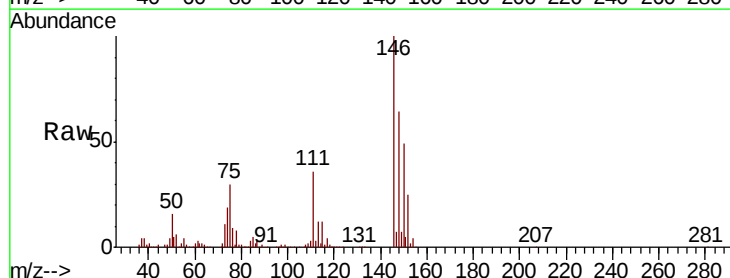
Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Tgt Ion:146 Resp: 302305

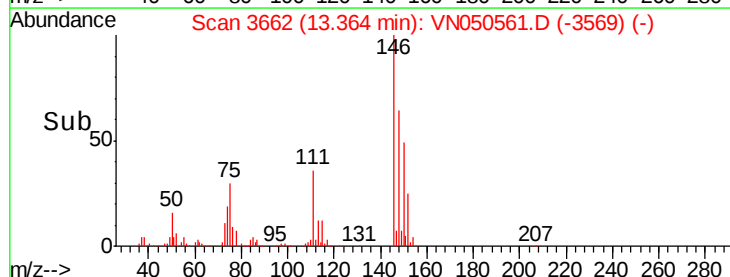
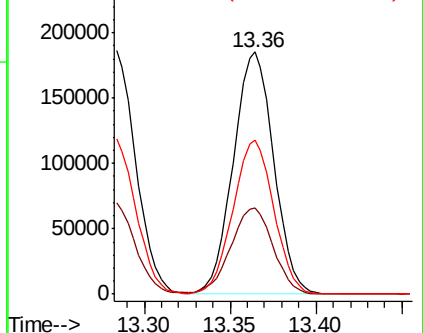
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	64.2	31.9	95.9

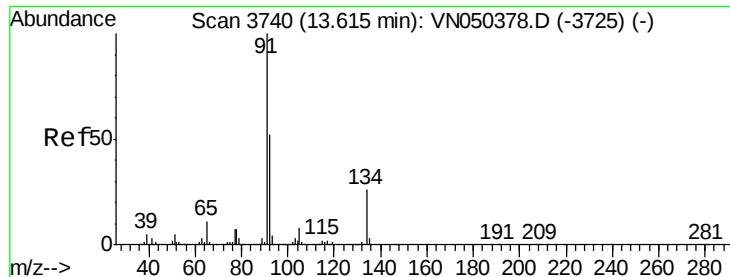


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.63 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050561.D

Acq: 13 Aug 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

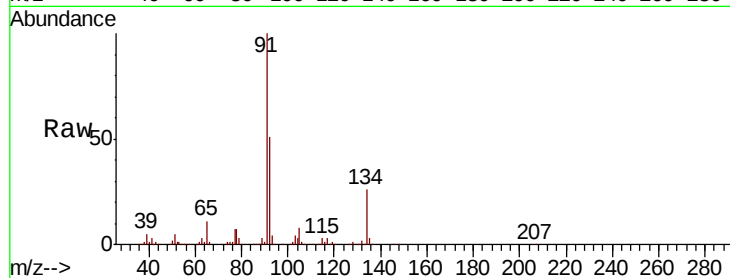
Tot Ion: 91 Resp: 416461

Ion Ratio Lower Upper

91 100

92 50.9 25.8 77.4

134 25.7 12.8 38.4

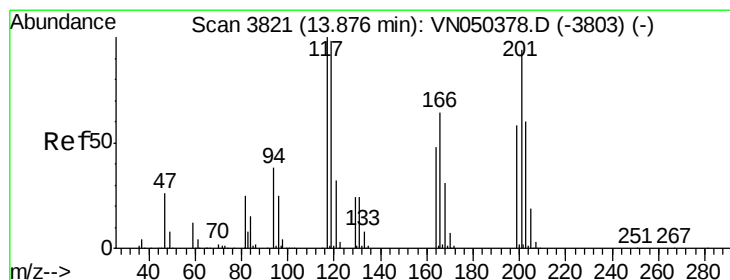
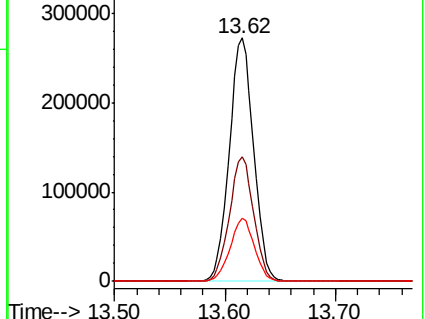
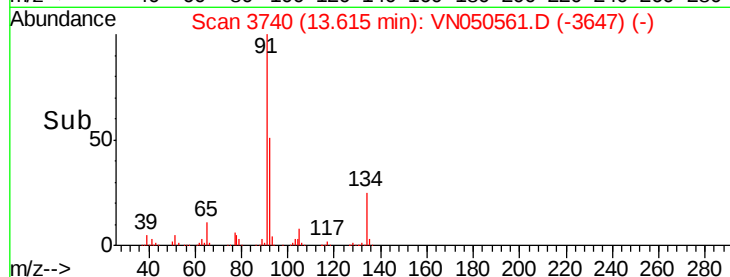


Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

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

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

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 20.12 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050561.D

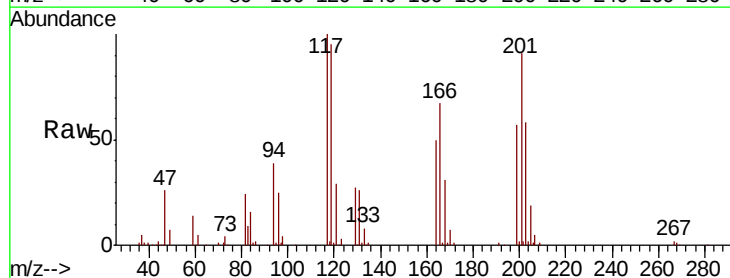
Acq: 13 Aug 2018 12:16

Tgt Ion: 117 Resp: 99265

Ion Ratio Lower Upper

117 100

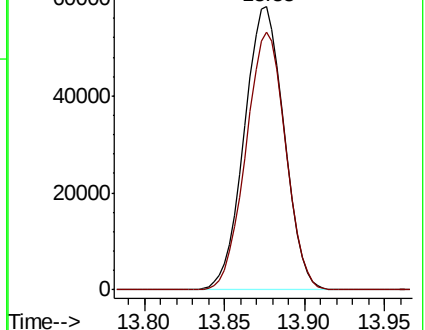
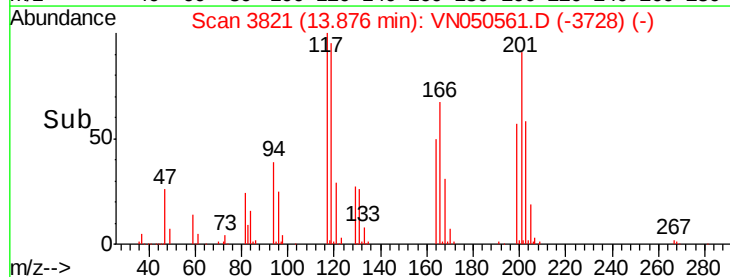
201 90.5 45.6 136.8

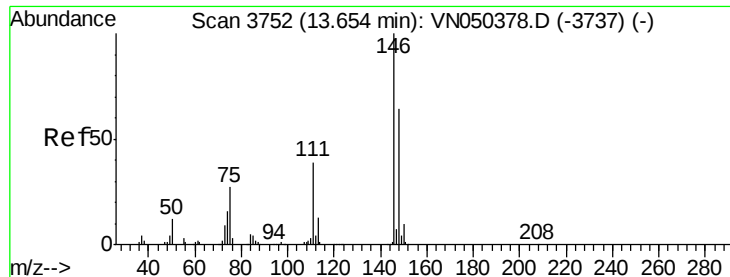


Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

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

Time--> 13.80 13.85 13.90 13.95

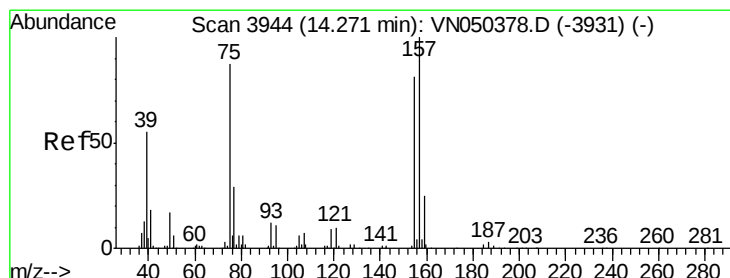
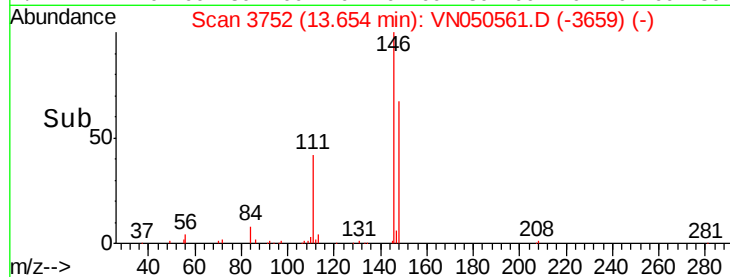
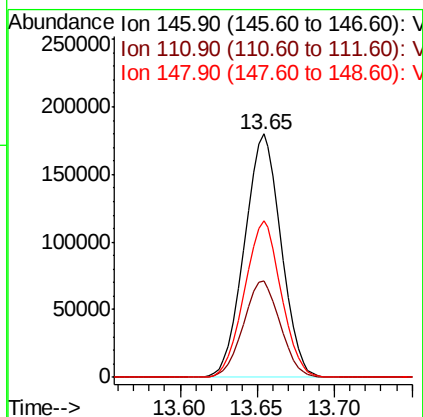
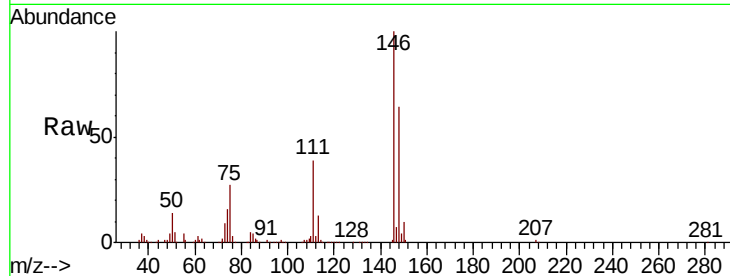




#91
 1,2-Dichlorobenzene
 Concen: 18.13 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

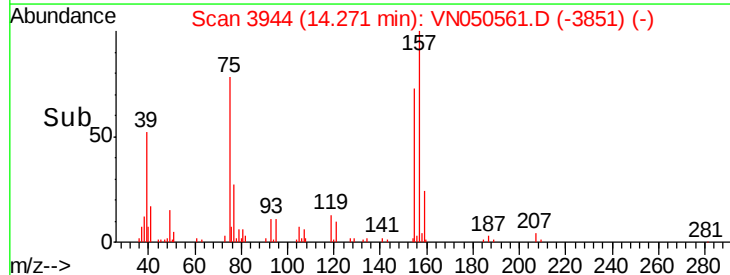
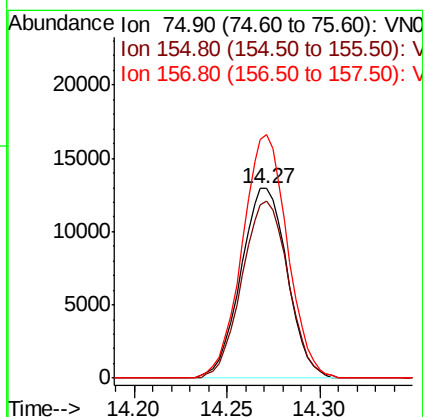
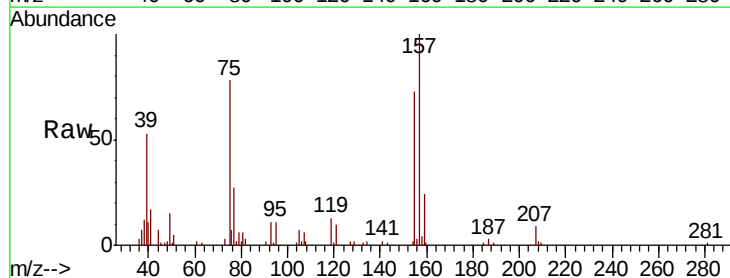
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.45 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	44.8	134.4
157	124.7	57.2	171.6

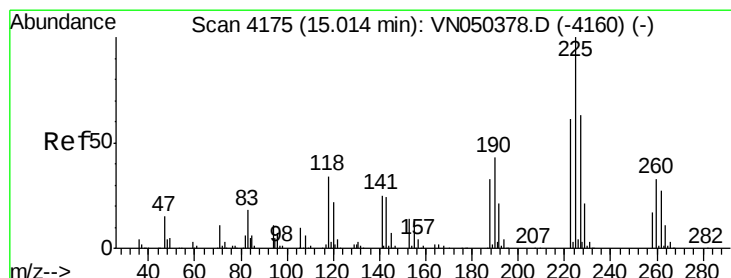
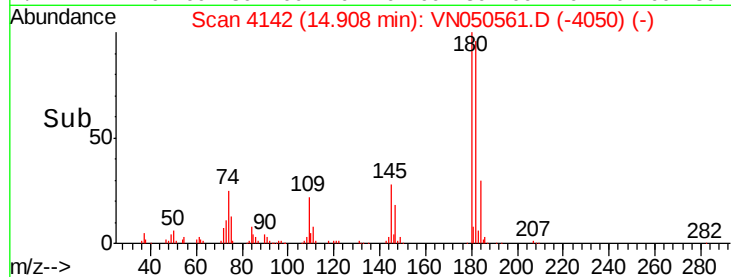
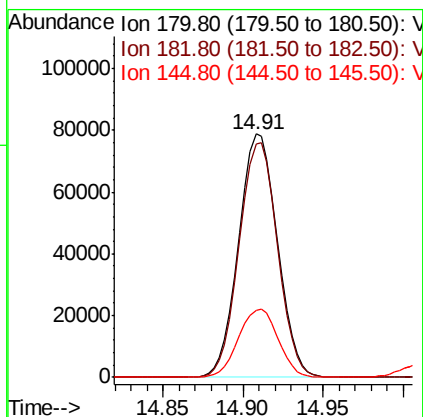
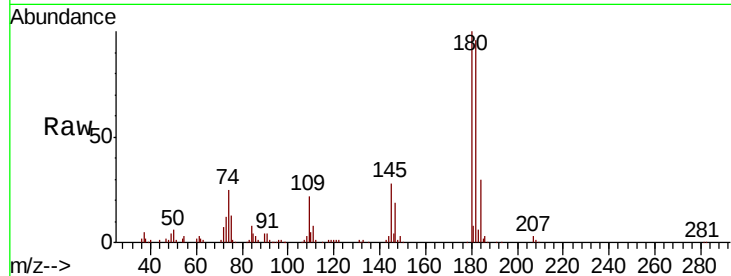




#93
 1,2,4-Trichlorobenzene
 Concen: 15.55 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

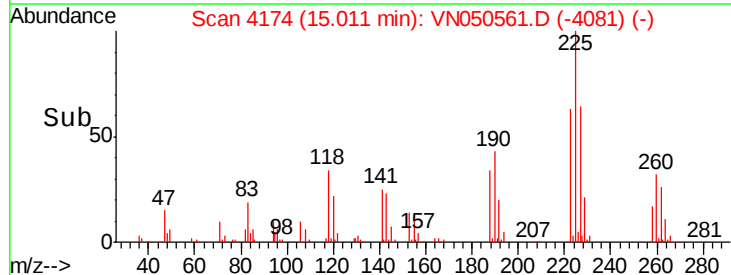
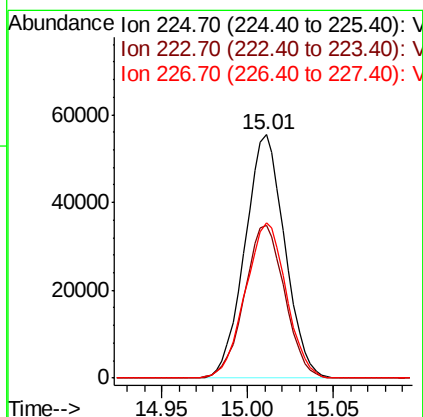
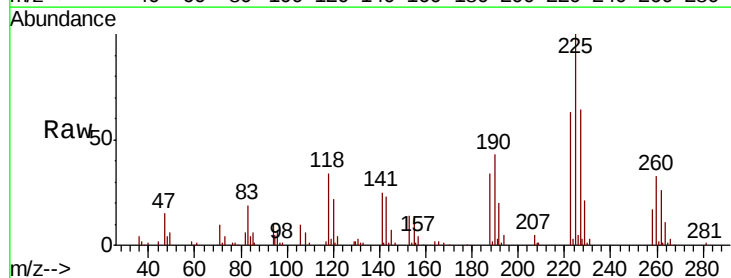
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBS01

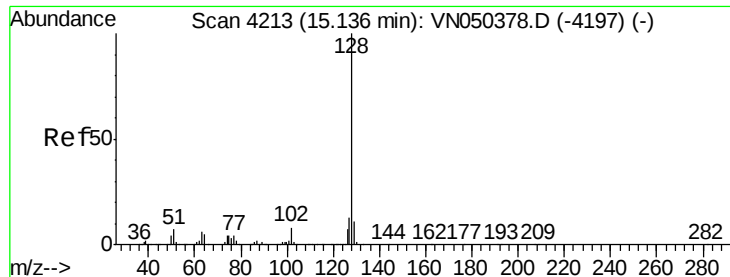
Tot Ion:180 Resp: 129932
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.7 140.1
 145 28.7 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.49 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050561.D
 Acq: 13 Aug 2018 12:16

Tgt Ion:225 Resp: 89132
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.2
 227 65.5 32.1 96.5

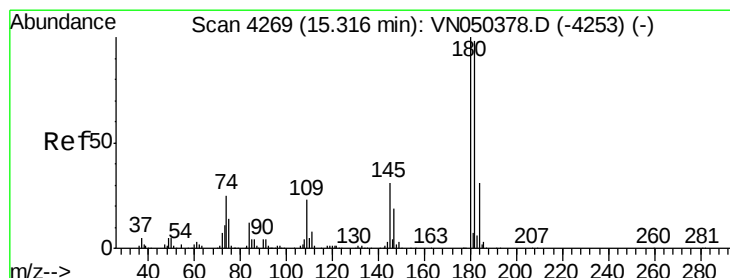
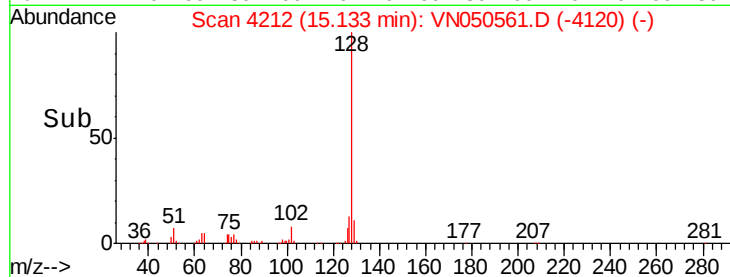
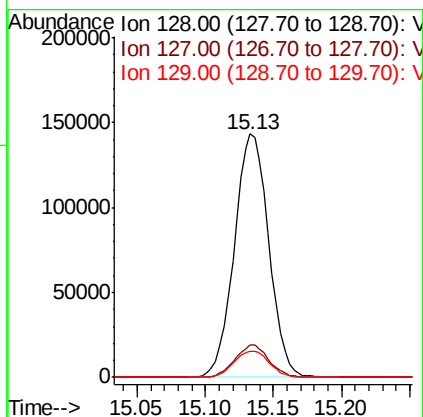
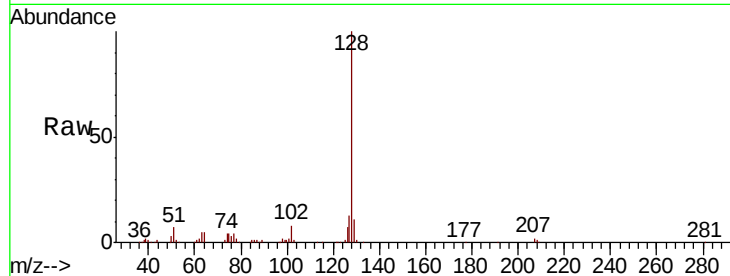




#95
Naphthalene
Concen: 14.15 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion:128	Resp:	251069
Ion	Ratio	Lower Upper
128	100	
127	13.1	10.4 15.6
129	11.2	8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 15.19 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050561.D
Acq: 13 Aug 2018 12:16

Tgt Ion:180	Resp:	128329
Ion	Ratio	Lower Upper
180	100	
182	93.3	48.1 144.4
145	29.6	15.3 45.9

