

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050787.D
 Acq On : 21 Aug 2018 14:32
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Quant Time: Aug 22 06:42:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	698265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	984465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	473245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	403309	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	7.59	113	387311	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1478348	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	491005	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	530233	56.742	ug/l	98
3) Chloromethane	2.06	50	572151	49.641	ug/l	100
4) Vinyl Chloride	2.18	62	557001	51.016	ug/l	99
5) Bromomethane	2.56	94	310354	50.017	ug/l	98
6) Chloroethane	2.70	64	315119	49.952	ug/l	98
7) Trichlorofluoromethane	3.01	101	708548	50.680	ug/l	99
8) Diethyl Ether	3.41	74	242205	50.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	443402	50.763	ug/l	100
10) Methyl Iodide	3.95	142	386262	50.340	ug/l	99
11) Tert butyl alcohol	4.79	59	127333	237.877	ug/l	99
12) 1,1-Dichloroethene	3.74	96	402370	51.306	ug/l	97
13) Acrolein	3.61	56	67869	219.482	ug/l	100
14) Allyl chloride	4.32	41	628255	51.410	ug/l	99
15) Acrylonitrile	4.99	53	683488	251.247	ug/l	98
16) Acetone	3.82	43	479174	240.449	ug/l	100
17) Carbon Disulfide	4.05	76	1278197	48.618	ug/l	100
18) Methyl Acetate	4.33	43	358943	45.220	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1032966	52.364	ug/l	100
20) Methylene Chloride	4.55	84	448507	47.340	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432048	50.935	ug/l	99
22) Diisopropyl ether	5.95	45	1293779	53.124	ug/l	98
23) Vinyl Acetate	5.90	43	4184564	266.804	ug/l	100
24) 1,1-Dichloroethane	5.85	63	779288	49.841	ug/l	99
25) 2-Butanone	6.84	43	756702	223.373	ug/l	100
26) 2,2-Dichloropropane	6.82	77	640131	50.952	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	473342	51.761	ug/l	100
28) Bromochloromethane	7.19	49	325226	48.952	ug/l	99
29) Tetrahydrofuran	7.21	42	489898	252.230	ug/l	99
30) Chloroform	7.37	83	773343	49.949	ug/l	99
31) Cyclohexane	7.65	56	723037	50.876	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	669746	50.361	ug/l	99
36) 1,1-Dichloropropene	7.79	75	616575	53.074	ug/l	100
37) Ethyl Acetate	6.93	43	335425	50.264	ug/l	99
38) Carbon Tetrachloride	7.77	117	603548	51.397	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	704346	56.042	ug/l	97
40) Benzene	8.04	78	1812200	51.731	ug/l	99
41) Methacrylonitrile	7.18	41	187566	51.937	ug/l	96
42) 1,2-Dichloroethane	8.12	62	537013	51.273	ug/l	100
43) Isopropyl Acetate	8.17	43	588405	51.282	ug/l	100
44) Trichloroethene	8.83	130	476916	51.620	ug/l	99
45) 1,2-Dichloropropane	9.12	63	471050	51.163	ug/l	99
46) Dibromomethane	9.21	93	270655	50.031	ug/l	98
47) Bromodichloromethane	9.40	83	585103	51.638	ug/l	99
48) Methyl methacrylate	9.20	41	304120	52.009	ug/l	99
49) 1,4-Dioxane	9.20	88	82608	1036.296	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1668790	243.725	ug/l	100
52) Toluene	10.16	92	1131146	54.508	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	595585	52.809	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	697578	54.014	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	388765	50.474	ug/l	98
56) Ethyl methacrylate	10.43	69	475522	47.578	ug/l	99
57) 1,3-Dichloropropane	10.71	76	658765	51.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1038009	238.032	ug/l	100
59) 2-Hexanone	10.75	43	1118161	245.307	ug/l	100
60) Dibromochloromethane	10.90	129	448211	51.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	387130	51.978	ug/l	99
64) Tetrachloroethene	10.63	164	441210	50.891	ug/l	99
65) Chlorobenzene	11.43	112	1223114	51.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	448069	51.329	ug/l	99
67) Ethyl Benzene	11.51	91	2115679	54.546	ug/l	100
68) m/p-Xylenes	11.62	106	1632404	110.879	ug/l	99
69) o-Xylene	11.95	106	777559	54.936	ug/l	99
70) Styrene	11.96	104	1249019	50.072	ug/l	99
71) Bromoform	12.13	173	306042	50.981	ug/l #	99
73) Isopropylbenzene	12.25	105	2070505	52.838	ug/l	100
74) N-amyl acetate	12.07	43	504519	51.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	473520	50.708	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	567784	68.499	ug/l #	100
77) Bromobenzene	12.53	156	522374	49.050	ug/l	98
78) n-propylbenzene	12.59	91	2391382	54.629	ug/l	100
79) 2-Chlorotoluene	12.67	91	1403282	51.464	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1705280	53.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124659	50.841	ug/l	100
82) 4-Chlorotoluene	12.77	91	1423617	52.886	ug/l	100
83) tert-Butylbenzene	12.99	119	1454213	53.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1717277	53.993	ug/l	99
85) sec-Butylbenzene	13.17	105	1941442	54.106	ug/l	100
86) p-Isopropyltoluene	13.29	119	1711080	55.964	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	917232	50.752	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	880578	49.507	ug/l	99
89) n-Butylbenzene	13.62	91	1389526	56.823	ug/l	100
90) Hexachloroethane	13.87	117	305041	52.340	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	862167	49.447	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64776	46.028	ug/l	99

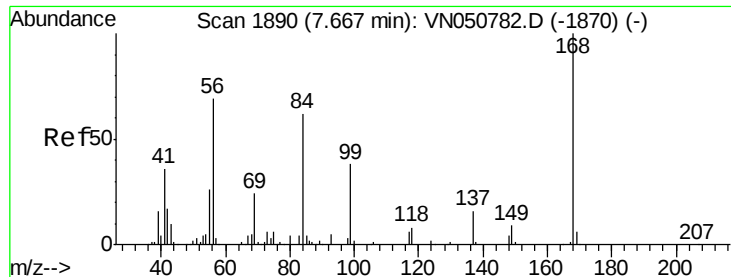
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434266	48.050	ug/l	99
94) Hexachlorobutadiene	15.01	225	274070	53.094	ug/l	99
95) Naphthalene	15.13	128	823984	44.272	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412309	48.591	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

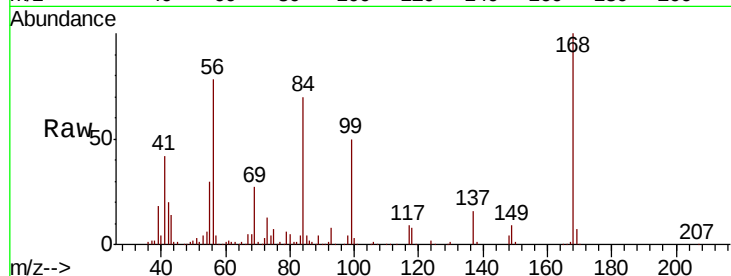
ICVFN082118

Tot Ion:168 Resp: 698265

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

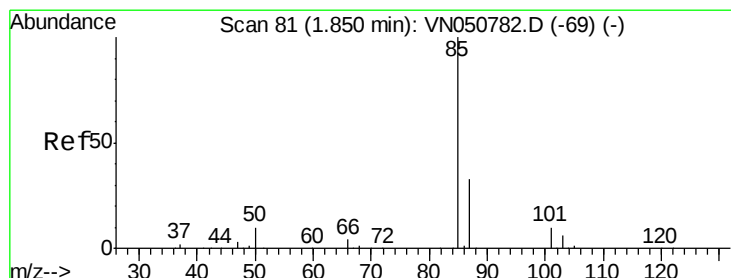
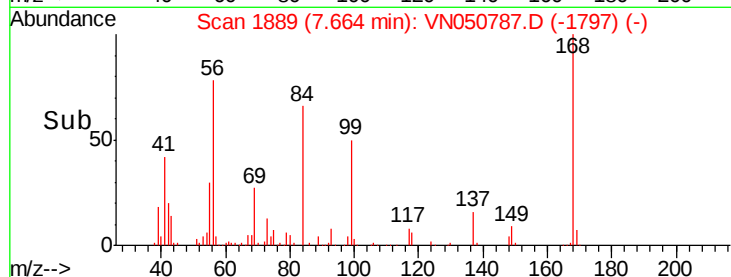
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.742 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050787.D

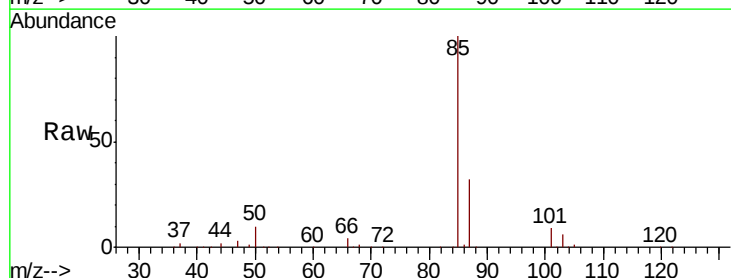
Acq: 21 Aug 2018 14:32

Tgt Ion: 85 Resp: 530233

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

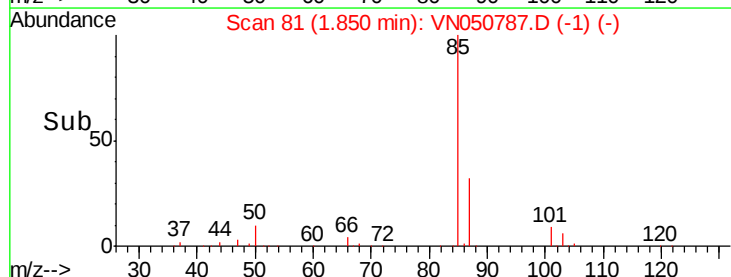
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.641 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

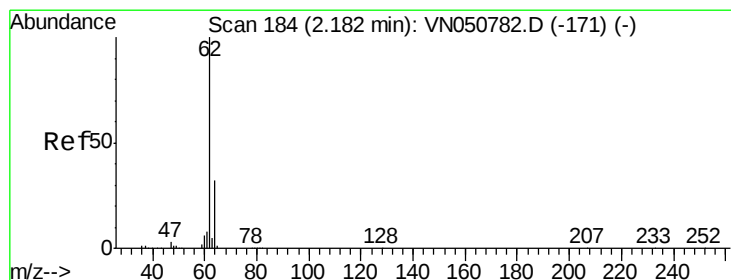
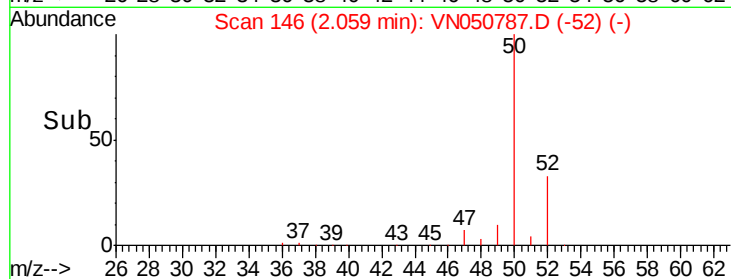
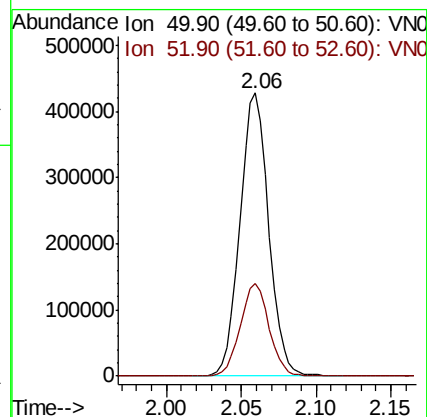
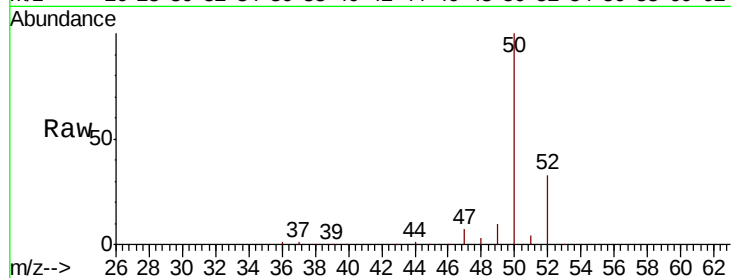
ICVVN082118

Tot Ion: 50 Resp: 572151

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 51.016 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050787.D

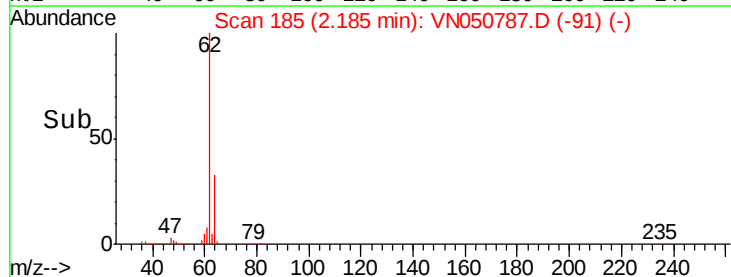
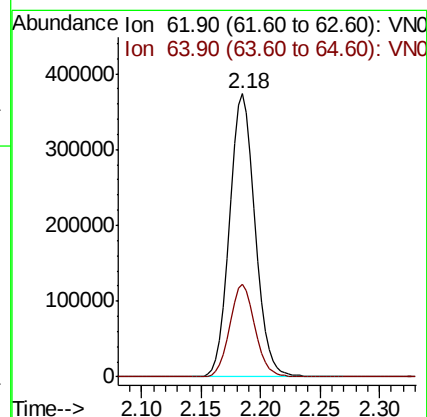
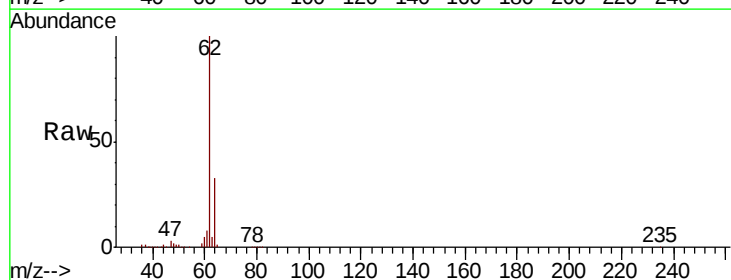
Acq: 21 Aug 2018 14:32

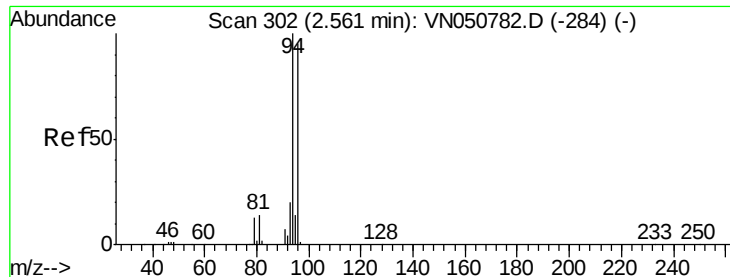
Tgt Ion: 62 Resp: 557001

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 50.017 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

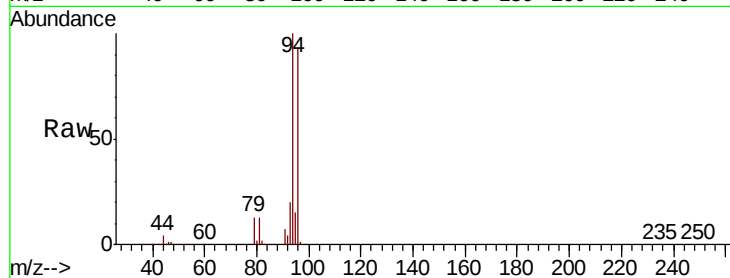
ICVFN082118

Tot Ion: 94 Resp: 310354

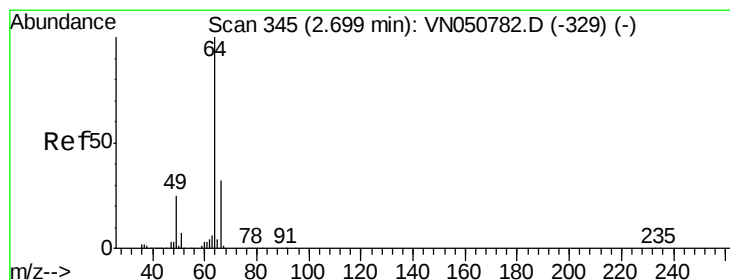
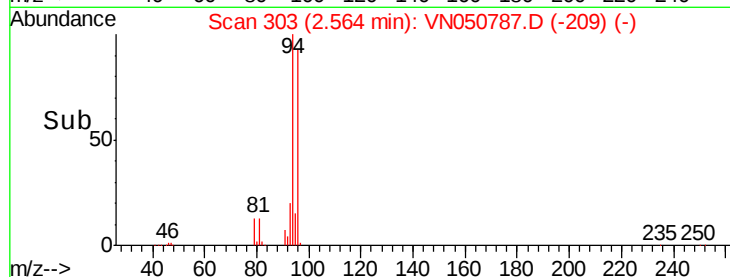
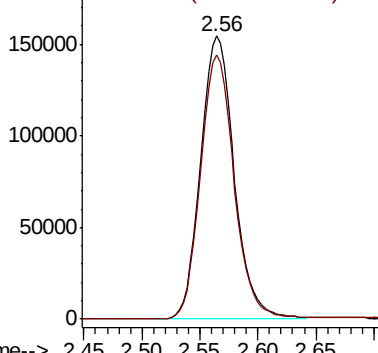
Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.952 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050787.D

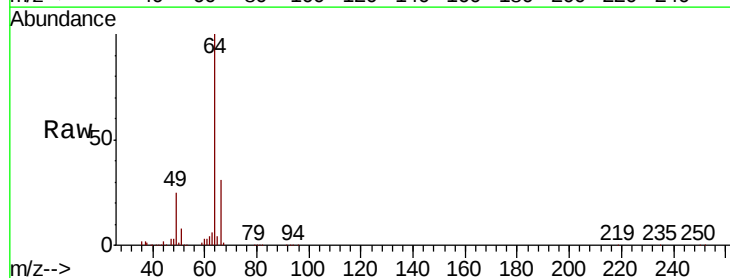
Acq: 21 Aug 2018 14:32

Tgt Ion: 64 Resp: 315119

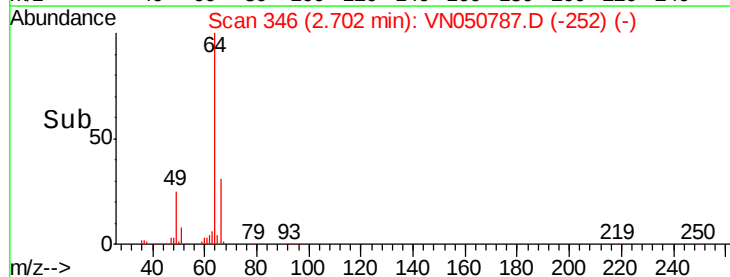
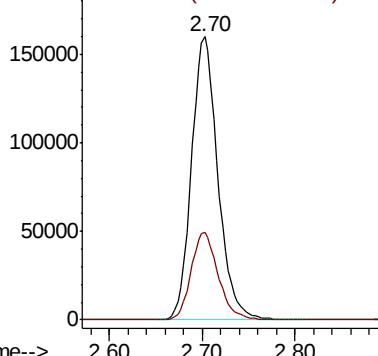
Ion Ratio Lower Upper

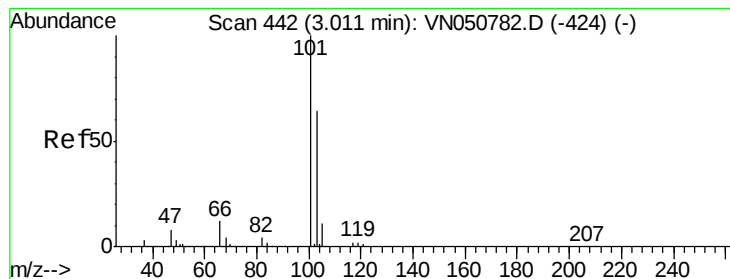
64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



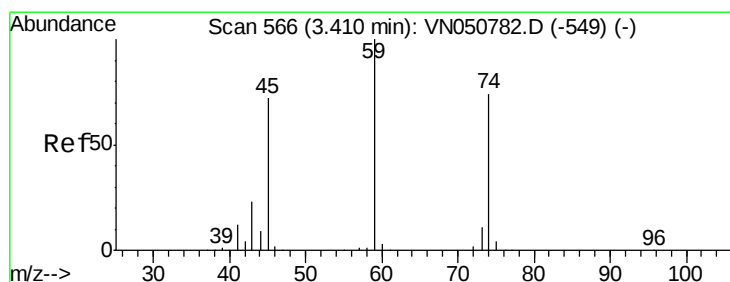
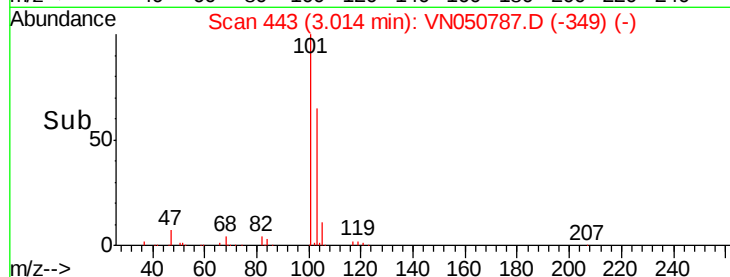
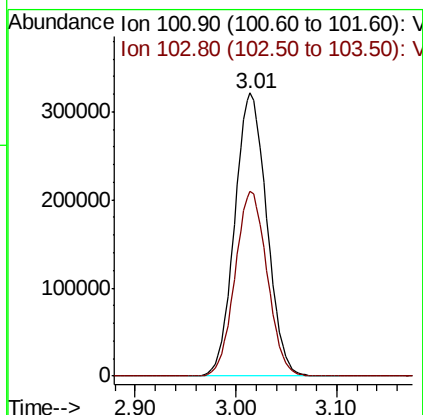
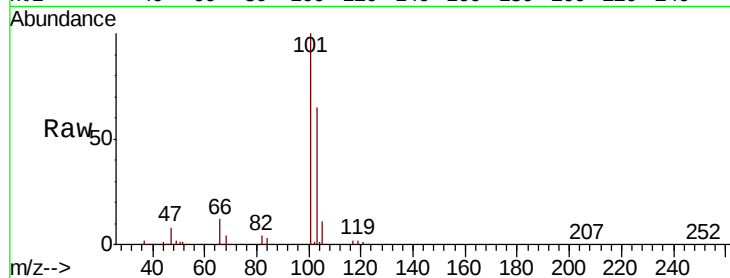


#7

Trichlorofluoromethane
Concen: 50.680 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050787.D
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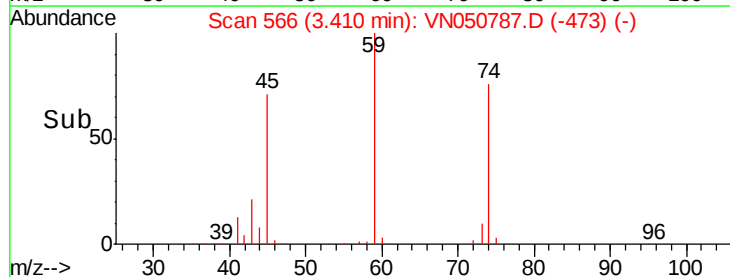
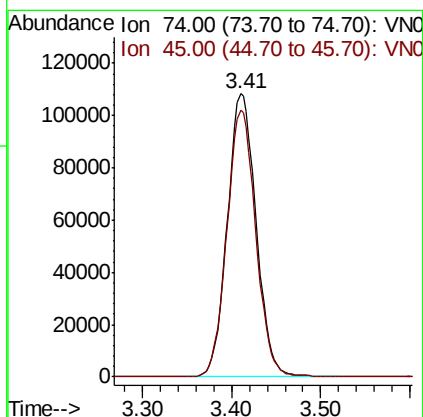
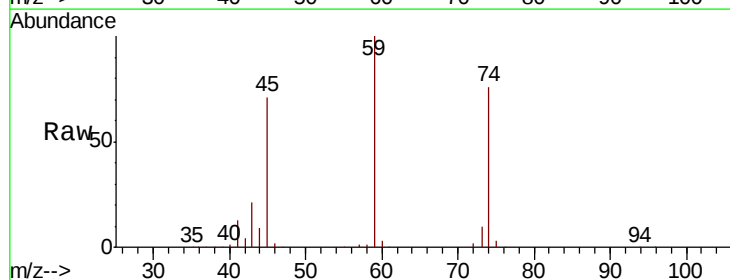
Tot Ion:101 Resp: 708548
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4



#8

Diethyl Ether
Concen: 50.948 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 74 Resp: 242205
Ion Ratio Lower Upper
74 100
45 94.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.763 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

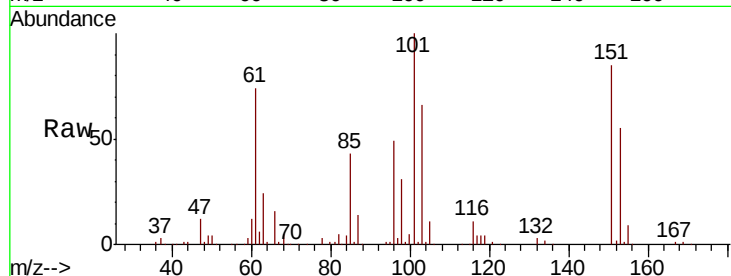
Tot Ion:101 Resp: 443402

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

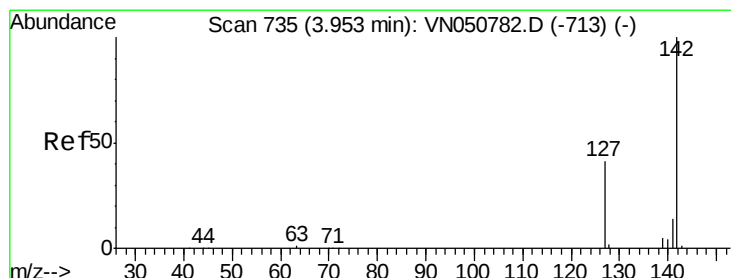
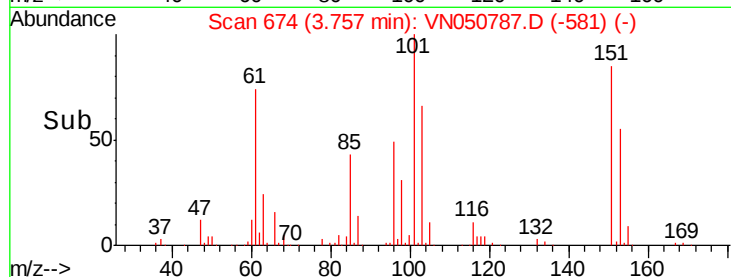
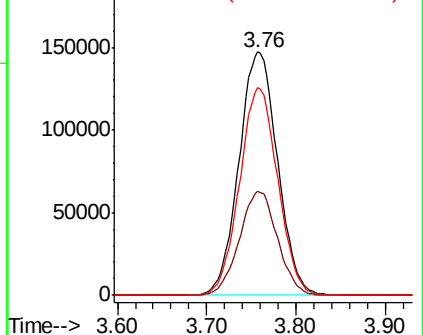
151 84.4 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.340 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

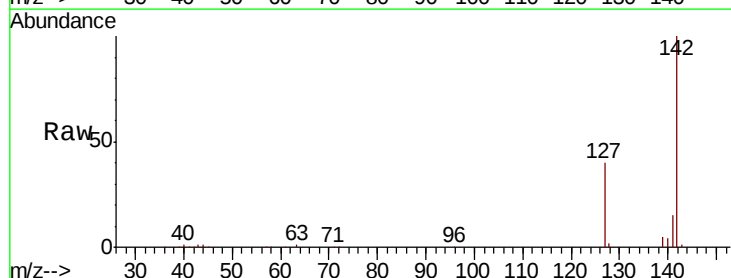
Tgt Ion:142 Resp: 386262

Ion Ratio Lower Upper

142 100

127 40.1 31.7 47.5

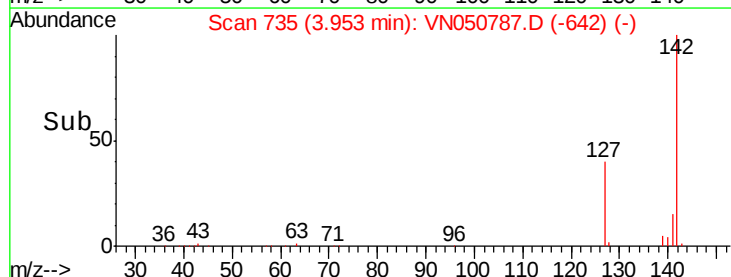
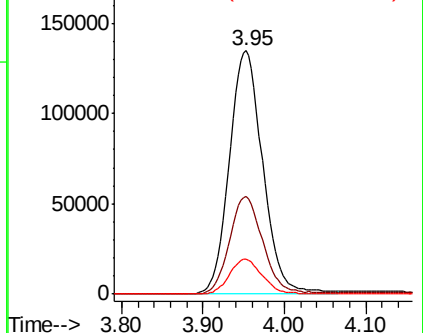
141 14.2 11.4 17.0

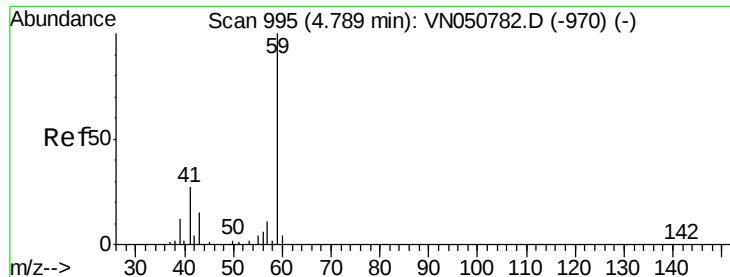


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



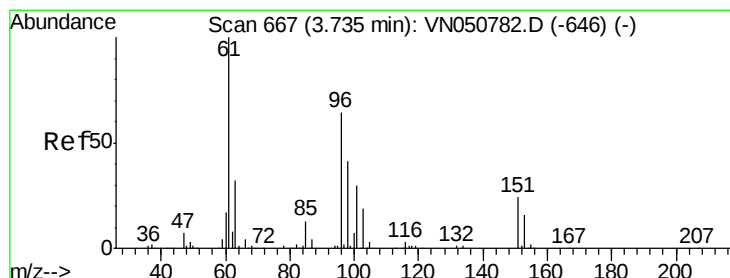
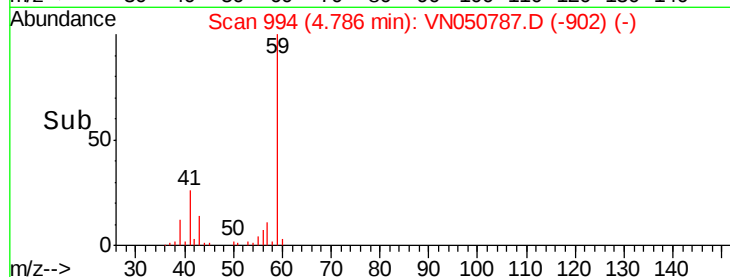
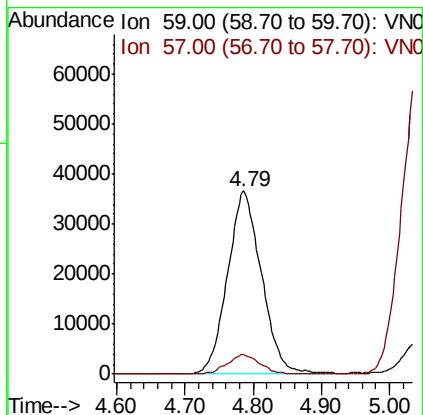
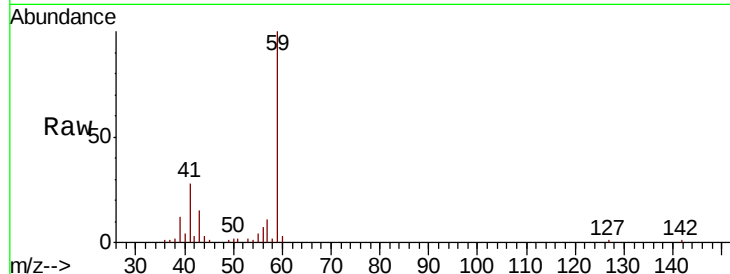


#11

Tert butyl alcohol
 Concen: 237.877 ug/l
 RT: 4.79 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

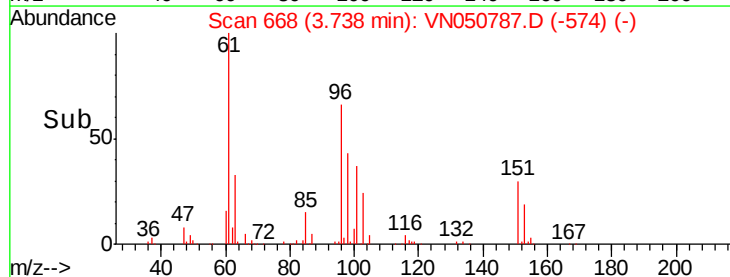
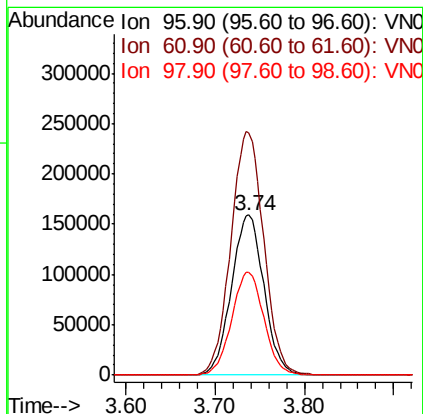
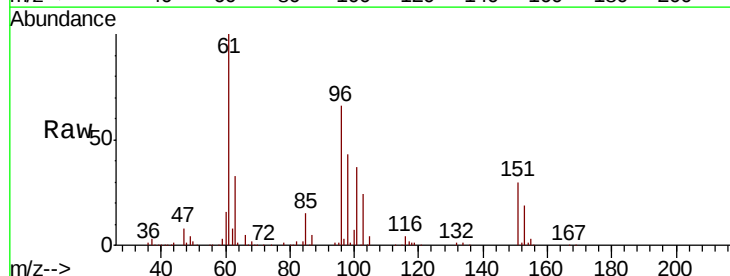
Tot Ion: 59 Resp: 127333
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

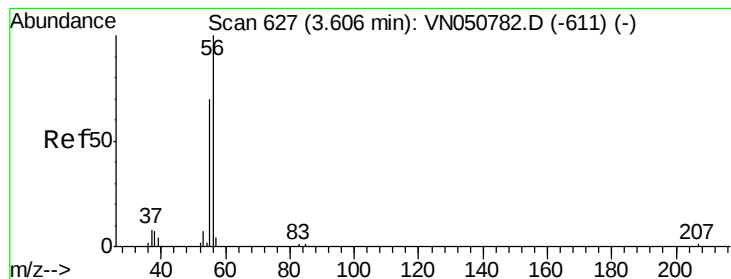


#12

1,1-Dichloroethene
 Concen: 51.306 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 96 Resp: 402370
 Ion Ratio Lower Upper
 96 100
 61 150.9 124.9 187.3
 98 64.1 51.1 76.7





#13

Acrolein

Concen: 219.482 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

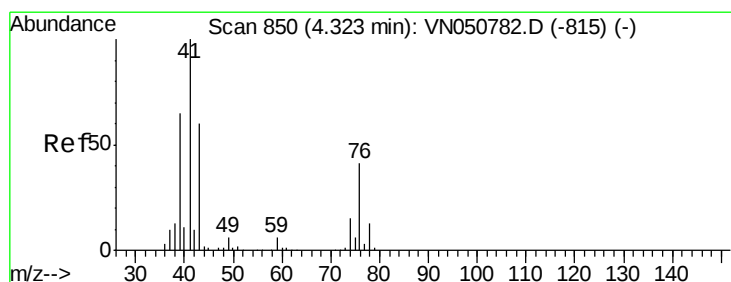
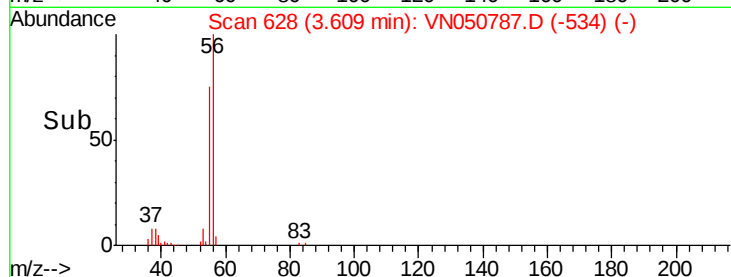
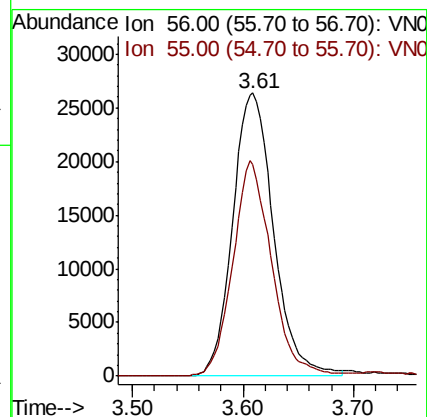
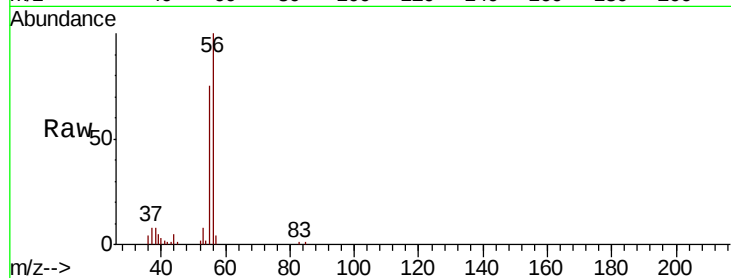
ICVFN082118

Tot Ion: 56 Resp: 67869

Ion Ratio Lower Upper

56 100

55 72.0 57.7 86.5



#14

Allyl chloride

Concen: 51.410 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

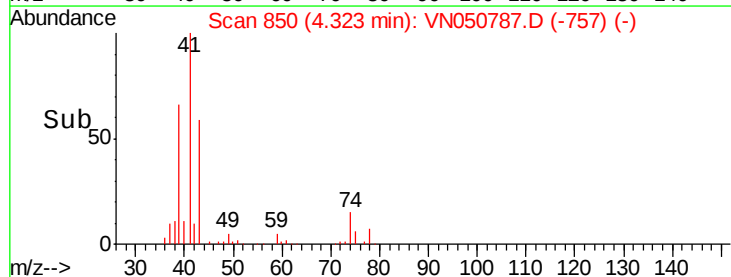
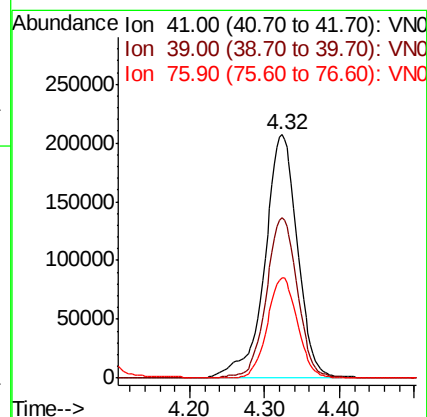
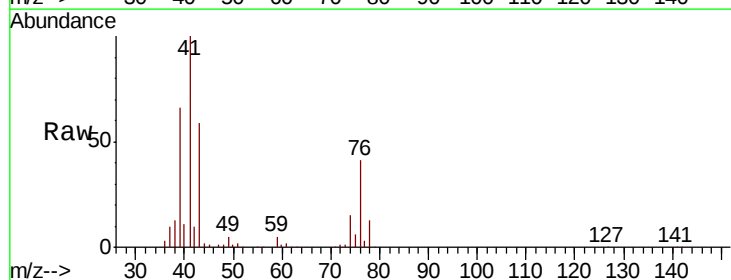
Tgt Ion: 41 Resp: 628255

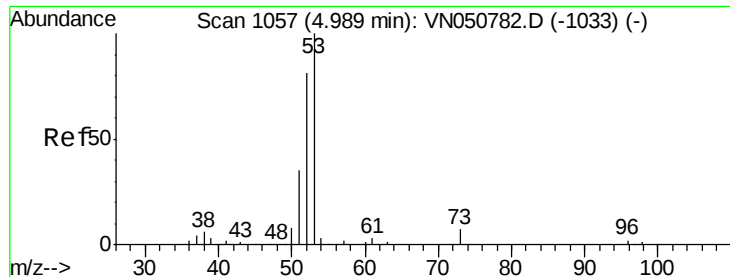
Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 251.247 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

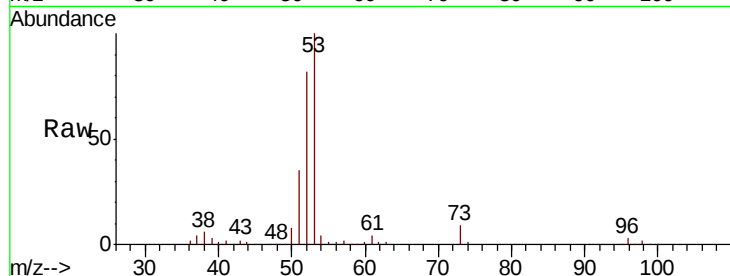
Tot Ion: 53 Resp: 683488

Ion Ratio Lower Upper

53 100

52 80.8 65.9 98.9

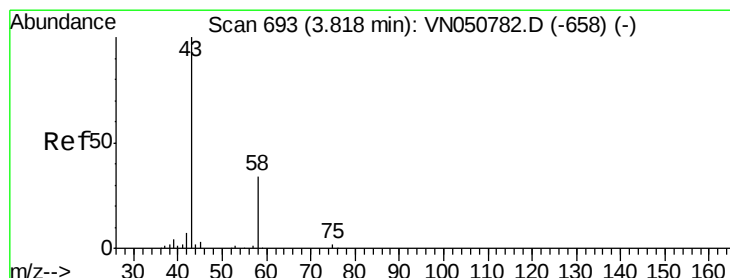
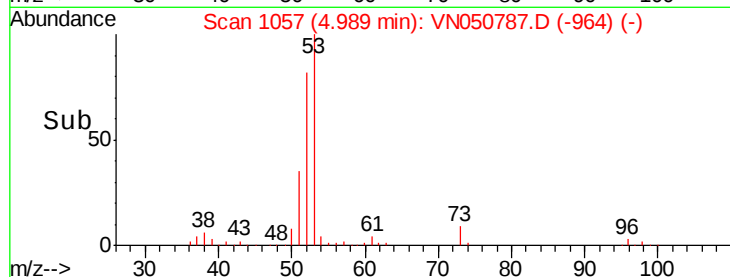
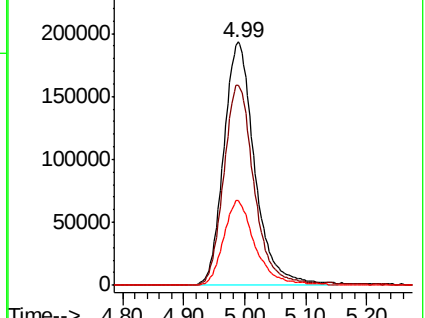
51 35.2 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 240.449 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050787.D

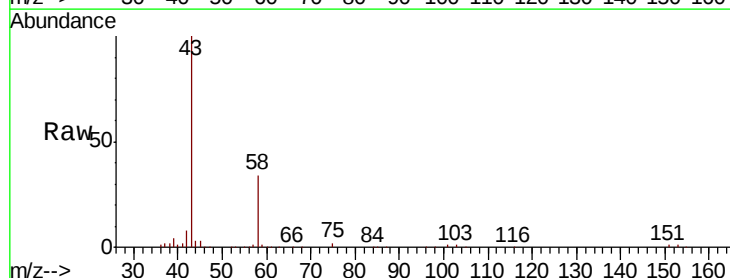
Acq: 21 Aug 2018 14:32

Tgt Ion: 43 Resp: 479174

Ion Ratio Lower Upper

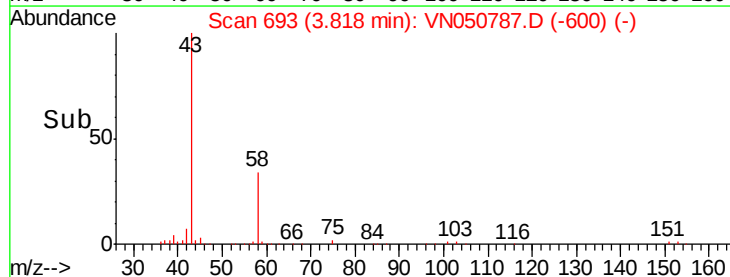
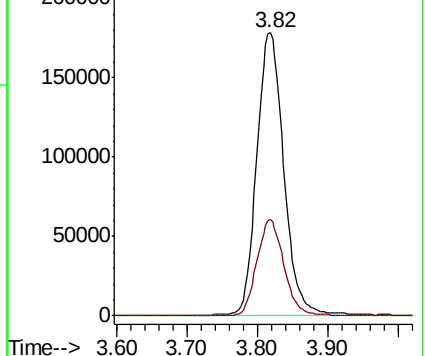
43 100

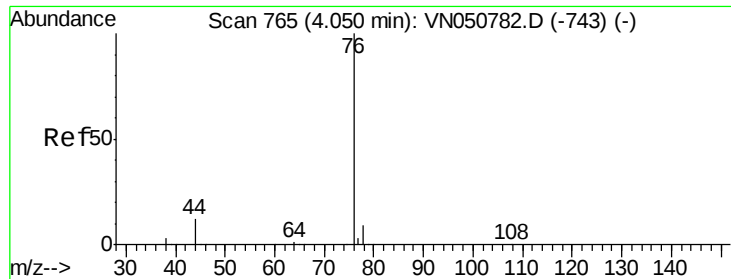
58 34.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

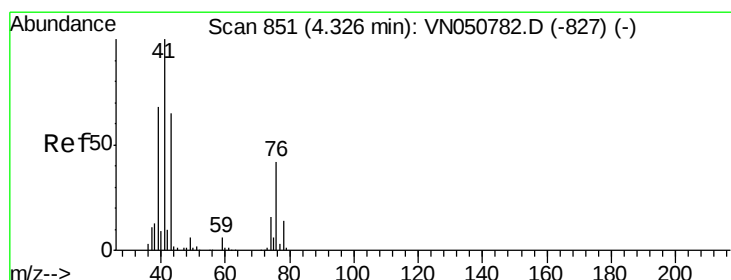
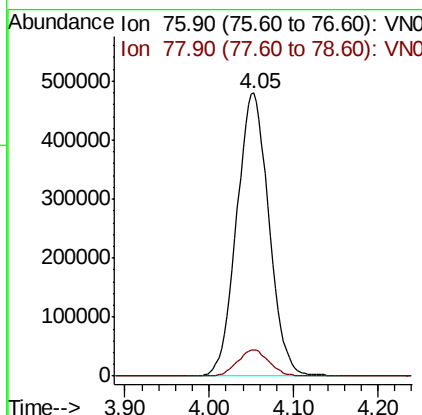
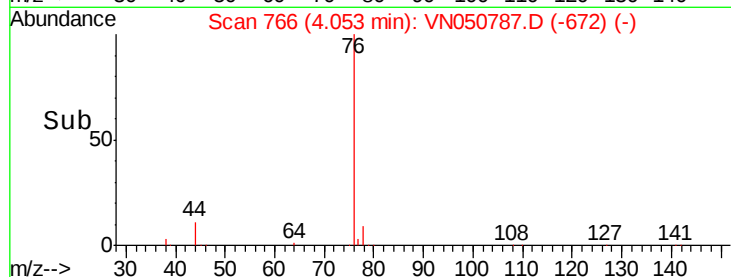
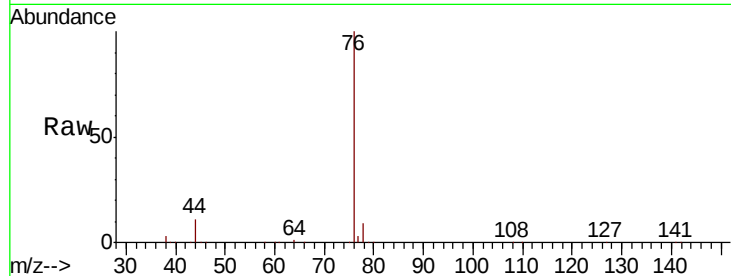




#17
Carbon Disulfide
Concen: 48.618 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

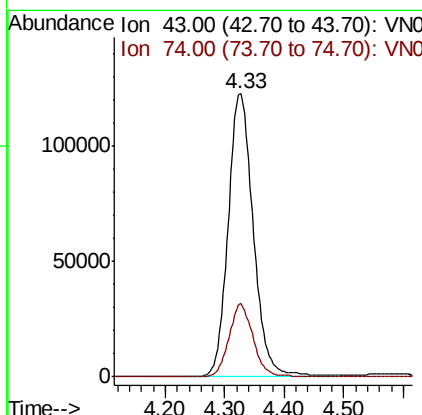
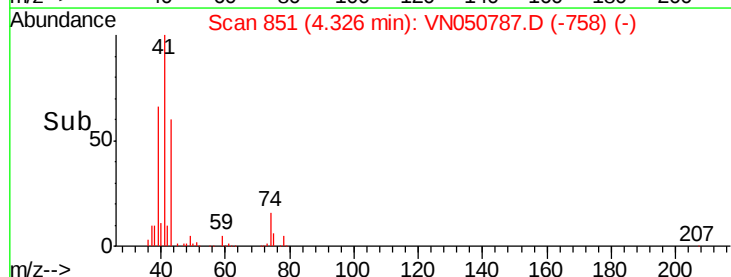
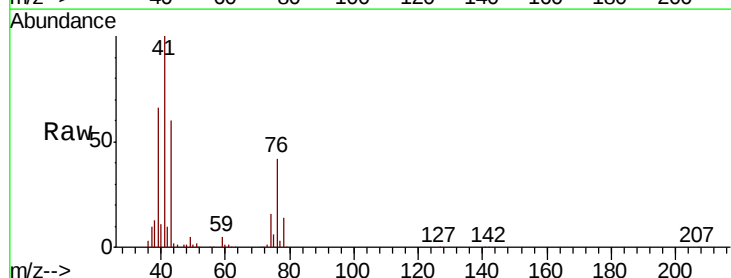
Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion: 76 Resp: 1278197
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 45.220 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 43 Resp: 358943
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8



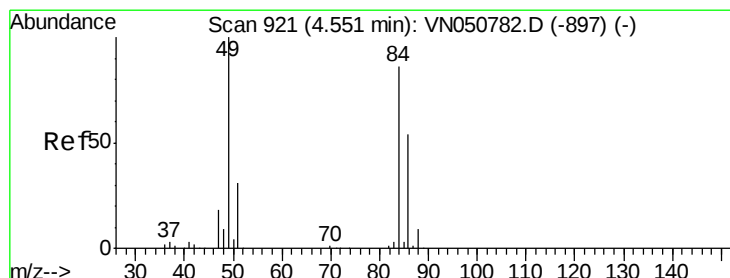
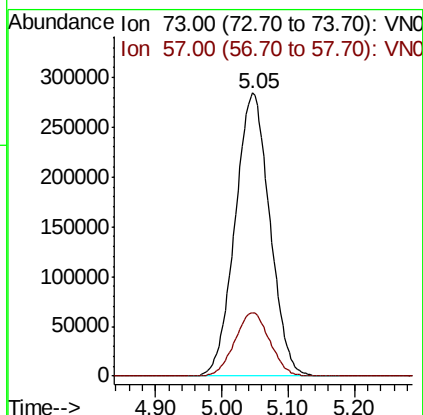
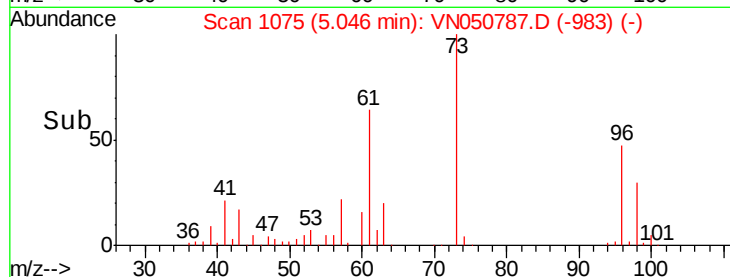
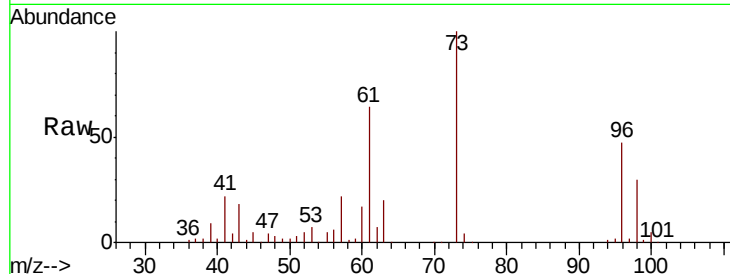


#19

Methyl tert-butyl Ether
 Concen: 52.364 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082118

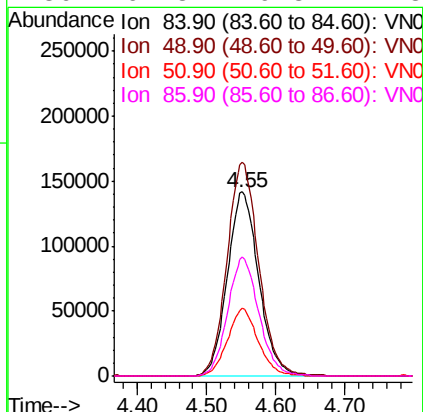
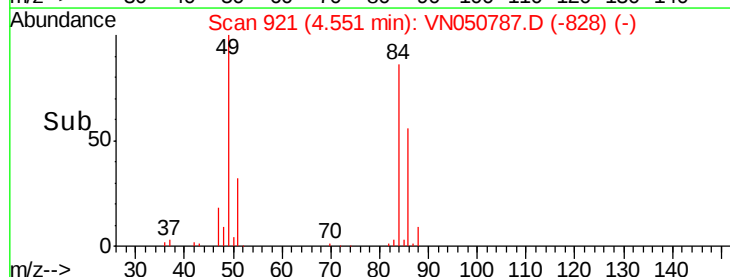
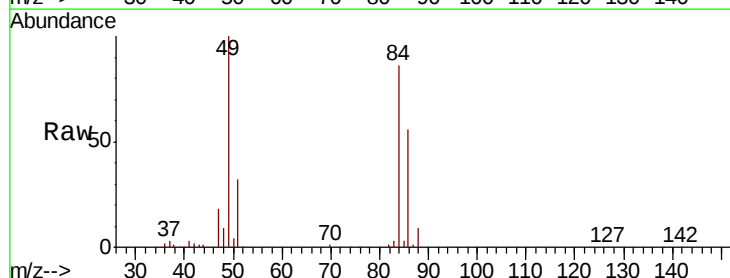
Tot Ion: 73 Resp: 1032966
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.8 26.8

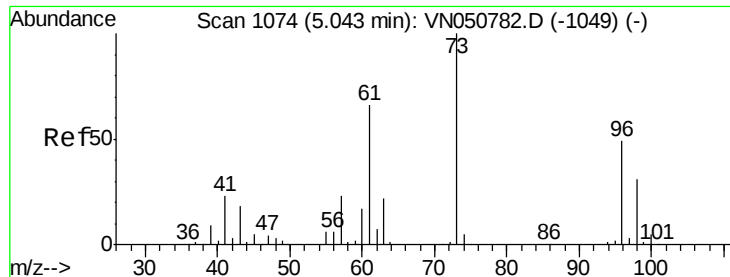


#20

Methylene Chloride
 Concen: 47.340 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 84 Resp: 448507
 Ion Ratio Lower Upper
 84 100
 49 116.2 93.2 139.8
 51 36.7 29.0 43.6
 86 64.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.935 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

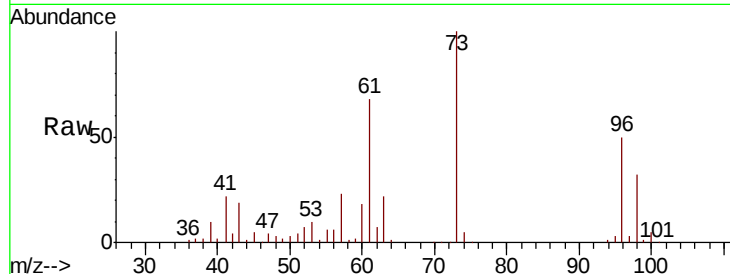
Tot Ion: 96 Resp: 432048

Ion Ratio Lower Upper

96 100

61 135.3 107.4 161.0

98 63.7 50.7 76.1

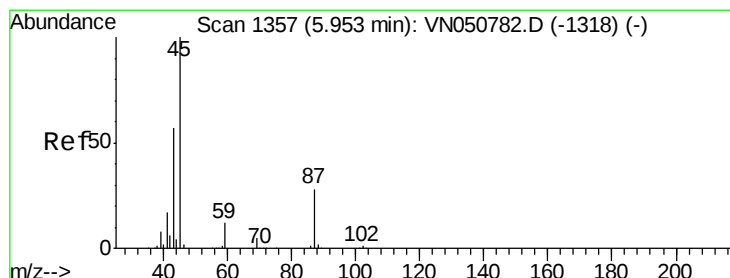
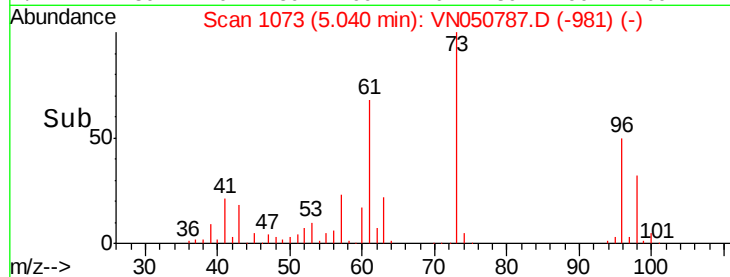
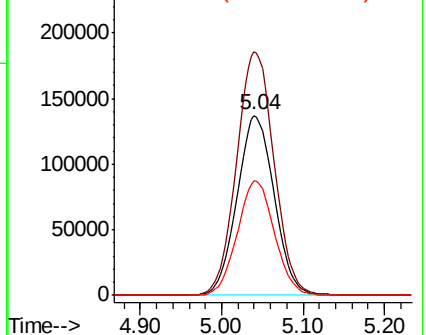


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.124 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion: 45 Resp: 1293779

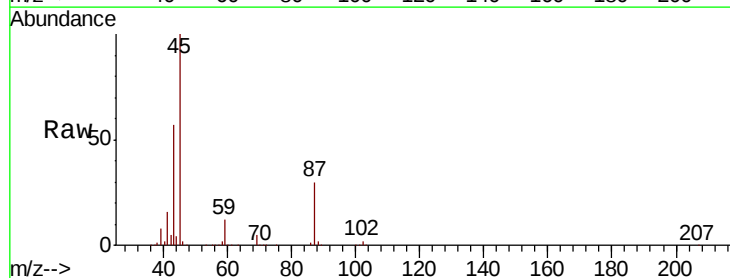
Ion Ratio Lower Upper

45 100

43 56.0 45.9 68.9

87 29.5 22.7 34.1

59 12.2 9.3 13.9



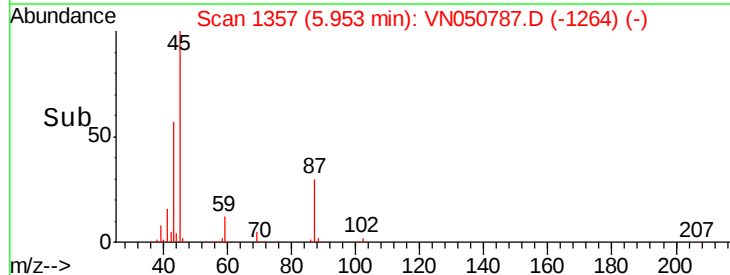
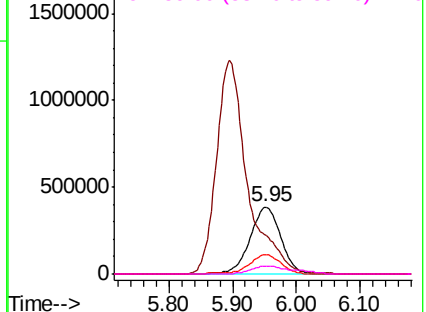
Abundance

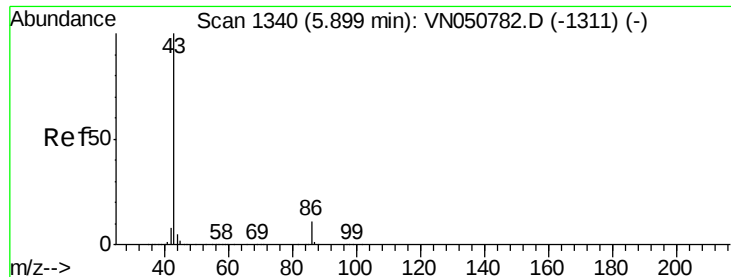
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

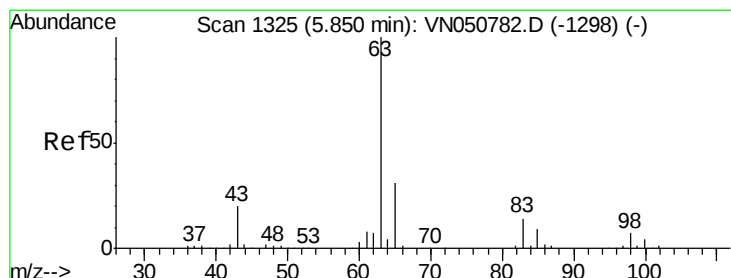
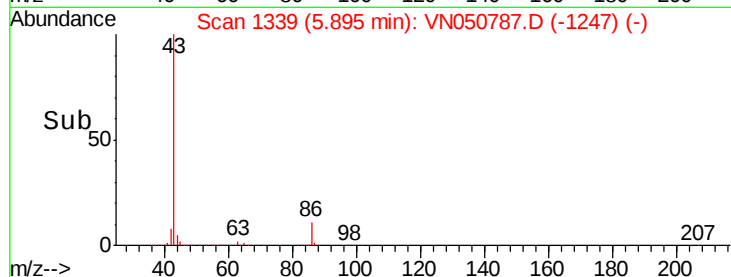
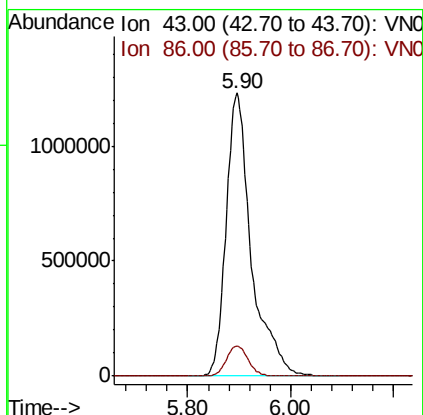
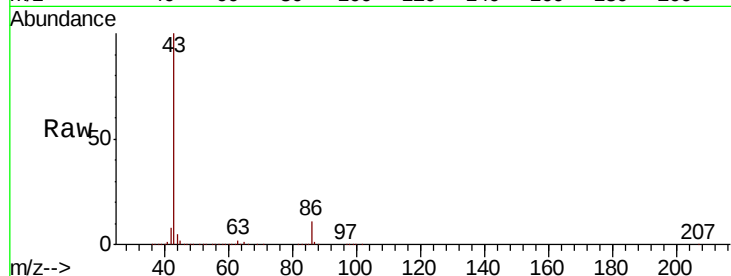




#23
 Vinyl Acetate
 Concen: 266.804 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

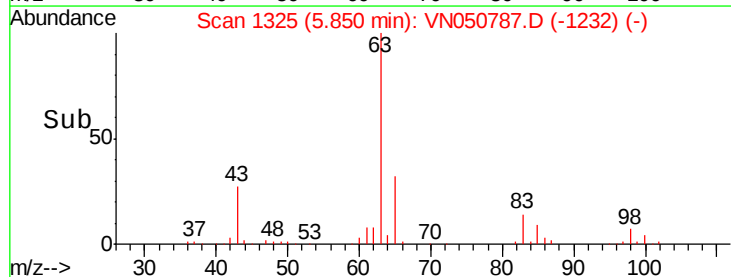
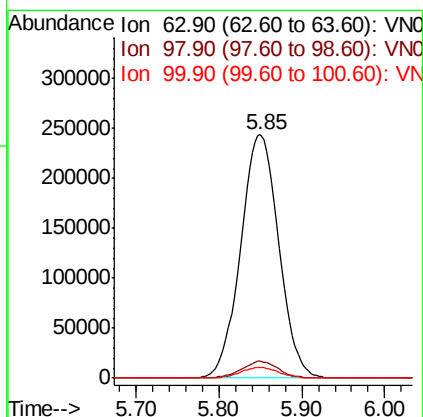
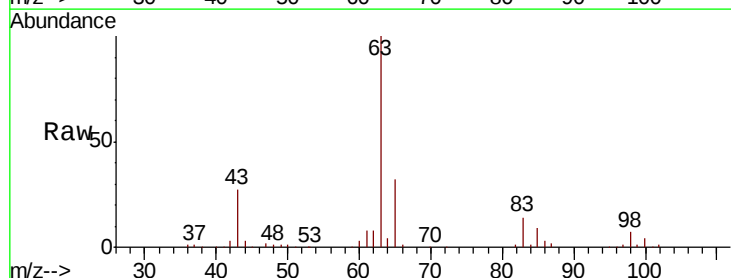
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

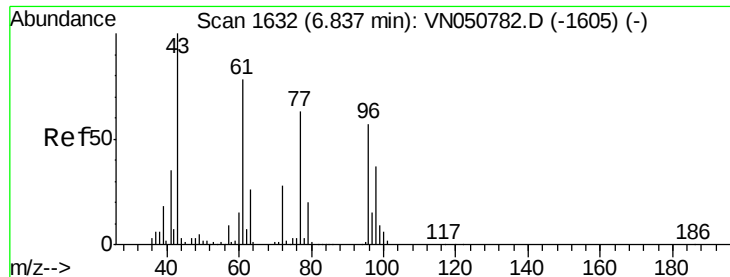
Tot Ion: 43 Resp: 4184564
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 49.841 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 63 Resp: 779288
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 223.373 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

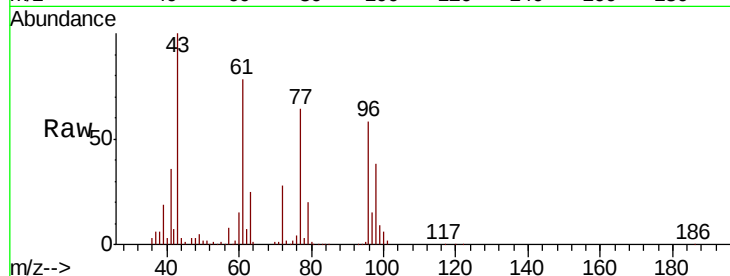
ICVVN082118

Tot Ion: 43 Resp: 756702

Ion Ratio Lower Upper

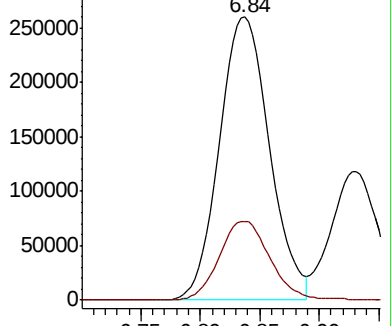
43 100

72 27.9 22.3 33.5

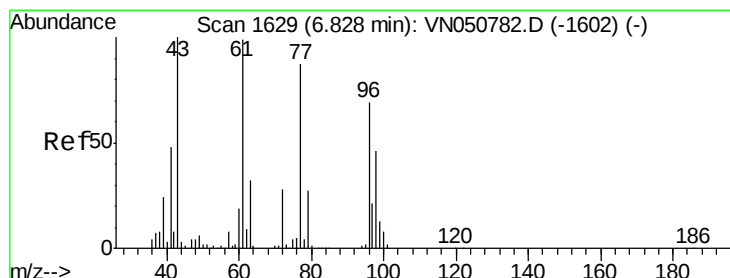
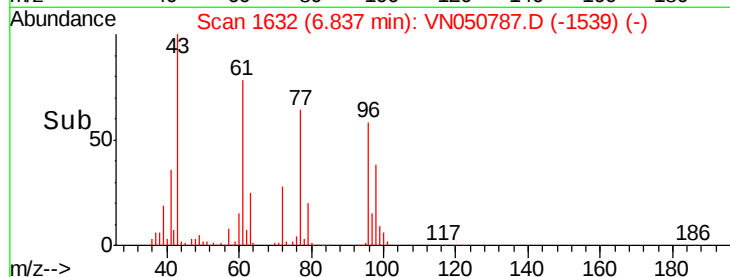


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 50.952 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050787.D

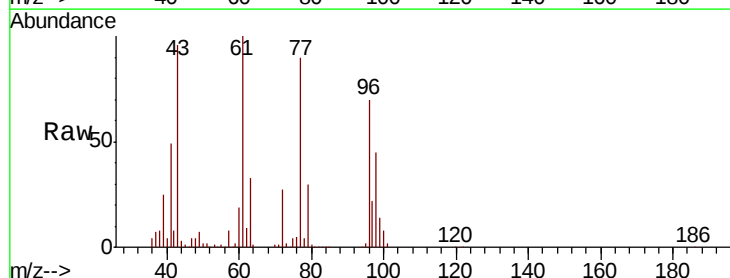
Acq: 21 Aug 2018 14:32

Tgt Ion: 77 Resp: 640131

Ion Ratio Lower Upper

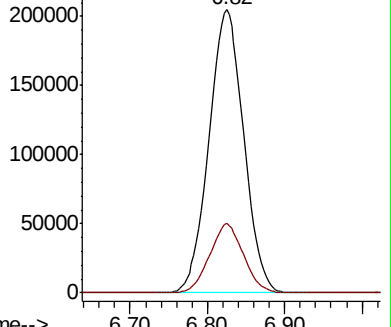
77 100

97 23.8 12.0 36.0

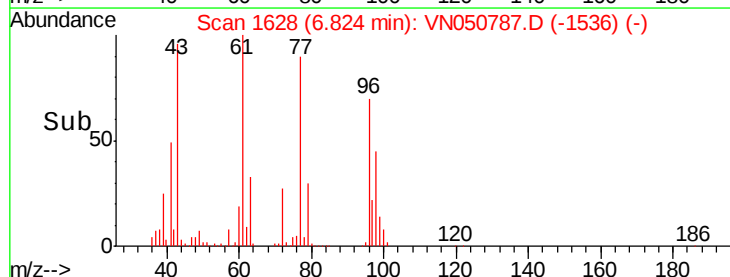


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.761 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

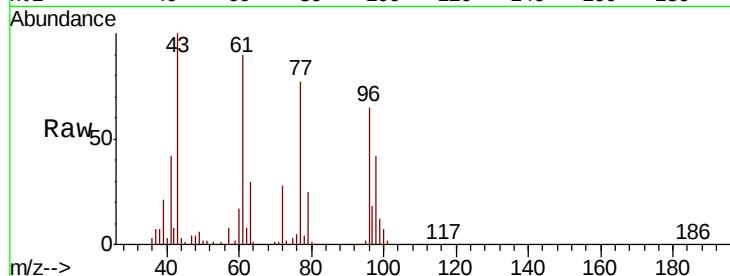
Tot Ion: 96 Resp: 473342

Ion Ratio Lower Upper

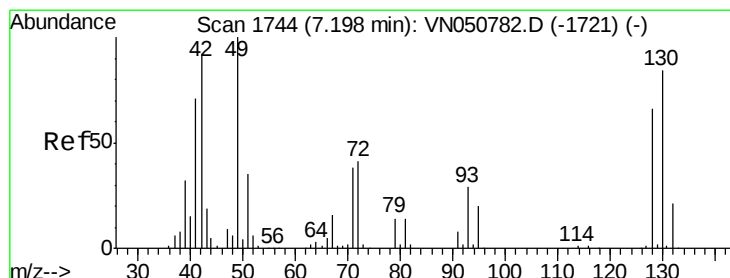
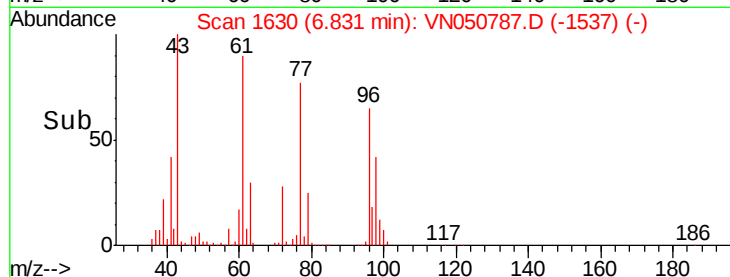
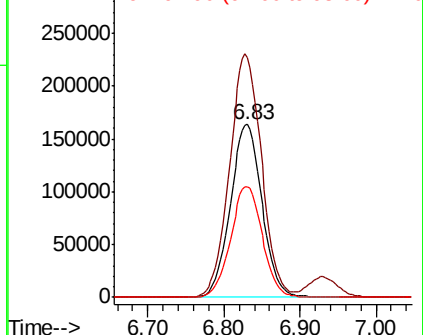
96 100

61 142.0 0.0 283.4

98 64.4 0.0 129.8



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



#28

Bromochloromethane

Concen: 48.952 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

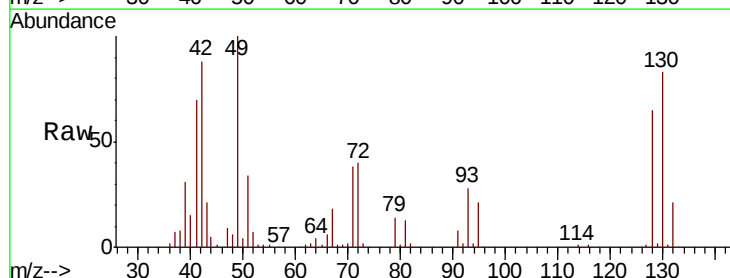
Tgt Ion: 49 Resp: 325226

Ion Ratio Lower Upper

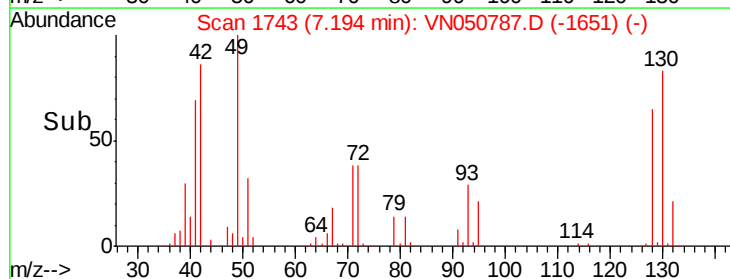
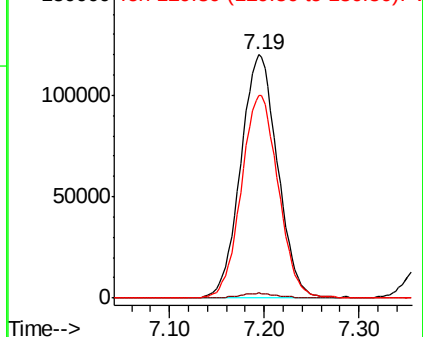
49 100

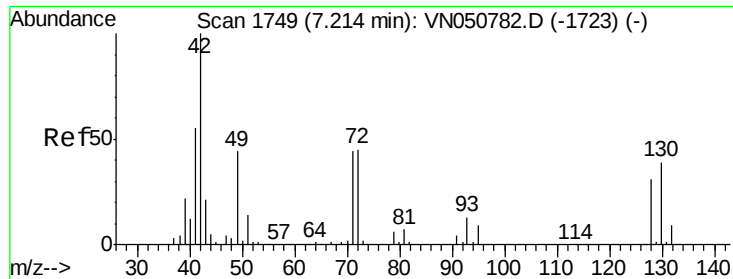
129 2.0 0.0 4.2

130 83.2 67.1 100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 252.230 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

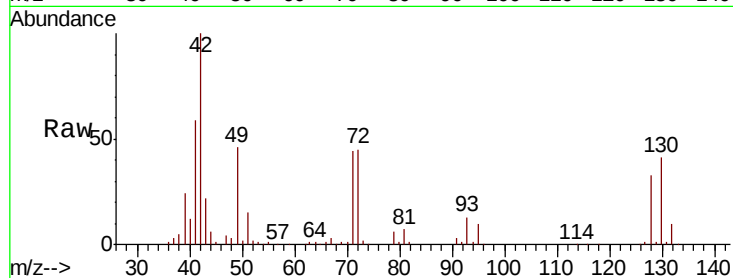
Tot Ion: 42 Resp: 489898

Ion Ratio Lower Upper

42 100

72 44.9 35.5 53.3

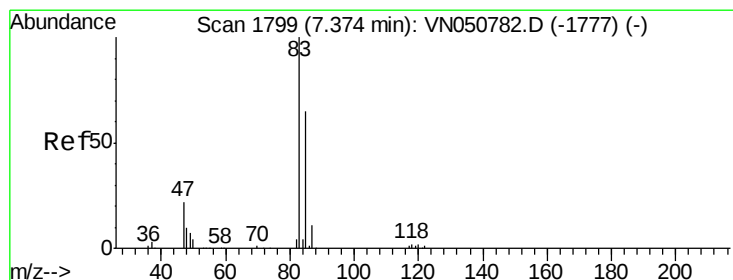
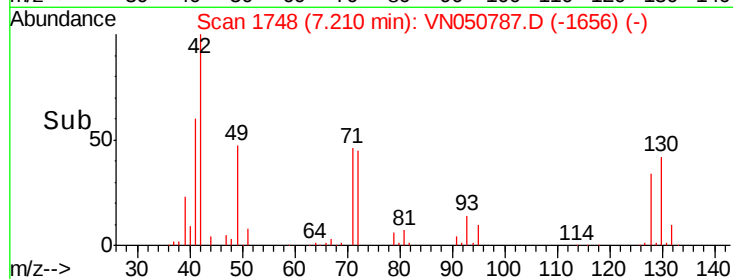
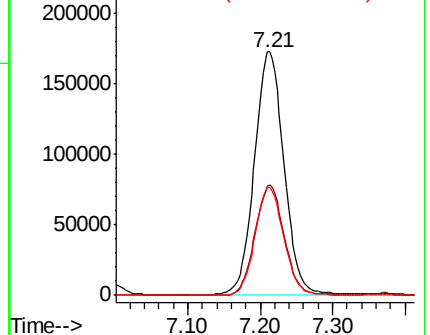
71 43.2 33.7 50.5



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: 49.949 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050787.D

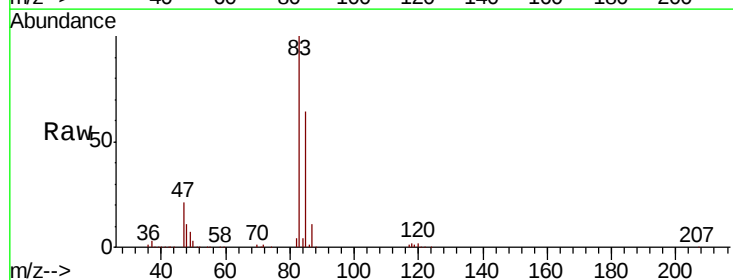
Acq: 21 Aug 2018 14:32

Tgt Ion: 83 Resp: 773343

Ion Ratio Lower Upper

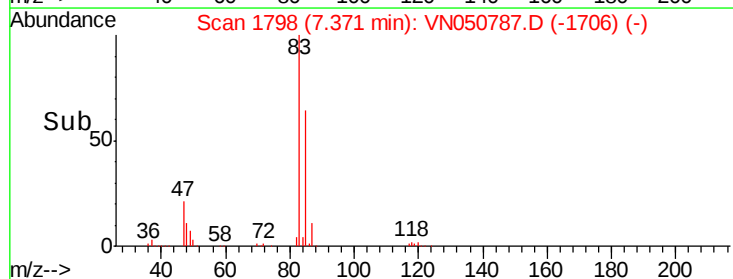
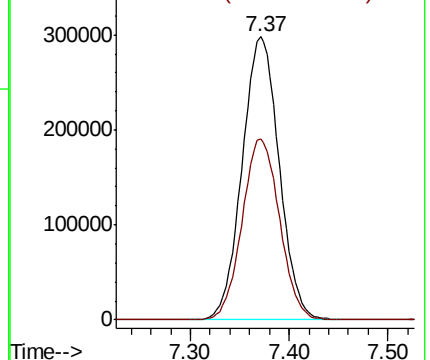
83 100

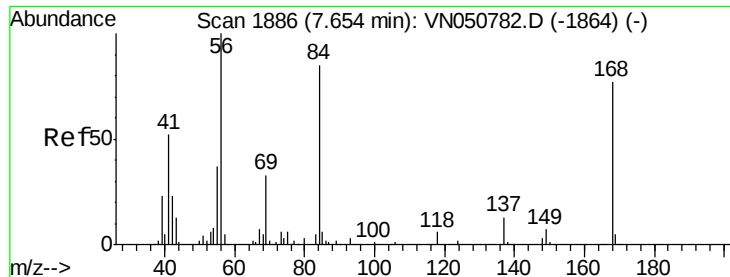
85 64.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.876 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

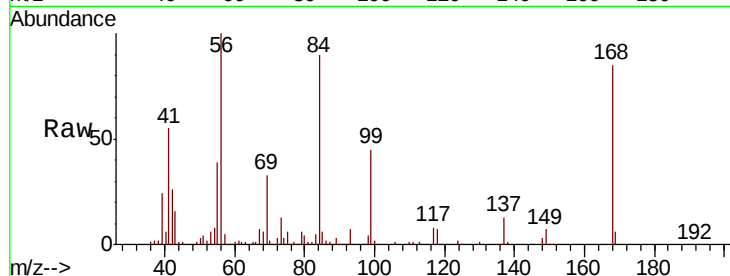
Tot Ion: 56 Resp: 723037

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.4

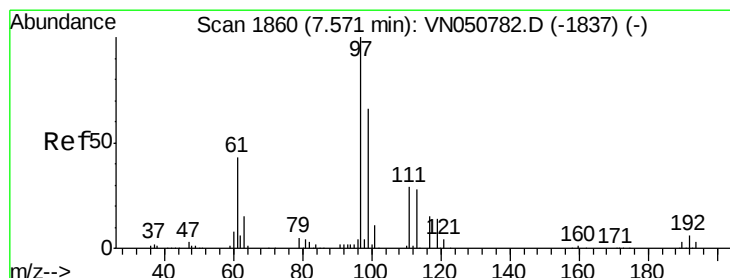
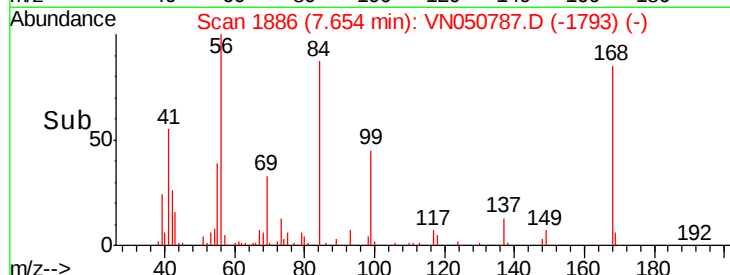
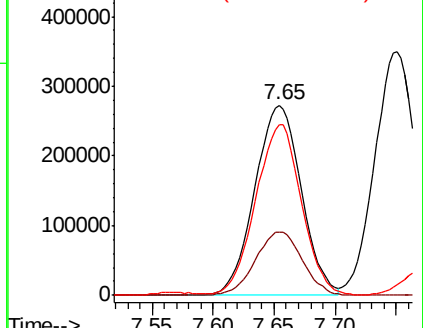
84 88.4 68.3 102.5



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: 50.361 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

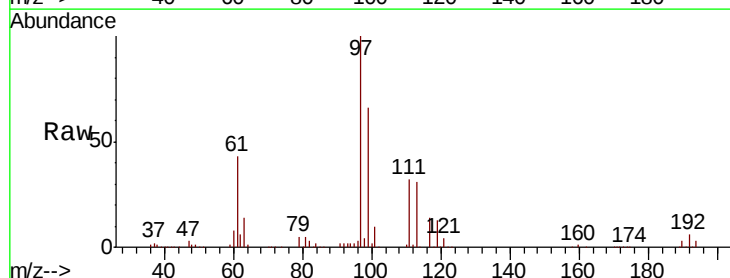
Tgt Ion: 97 Resp: 669746

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

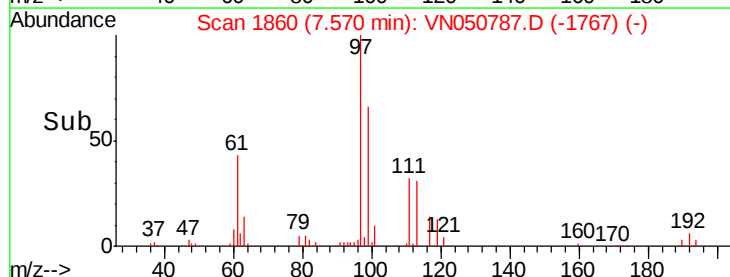
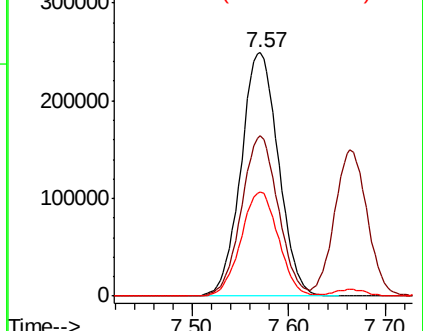
61 42.9 34.9 52.3



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

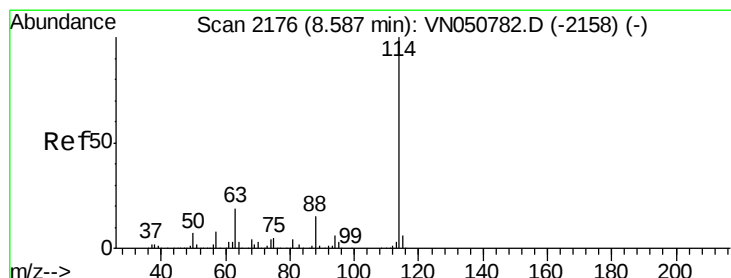
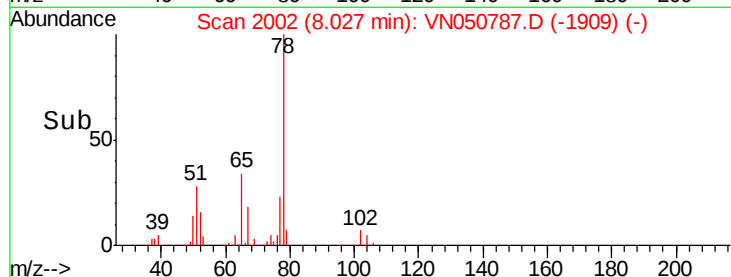
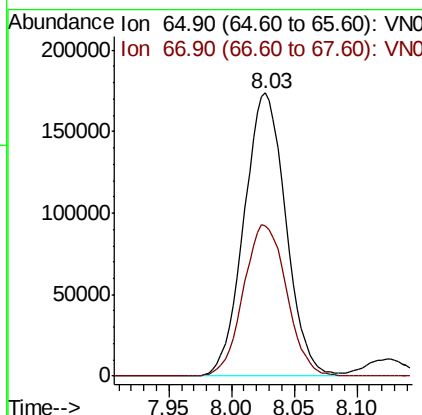
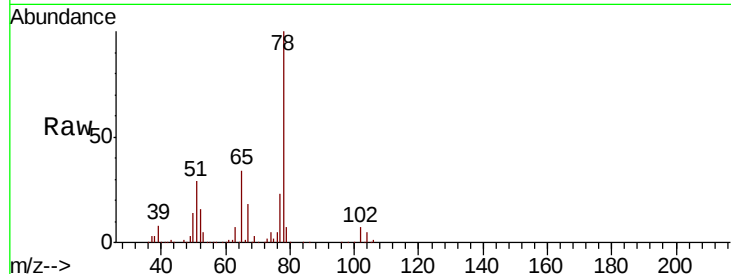




#33
 1,2-Dichloroethane-d4
 Concen: 47.978 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

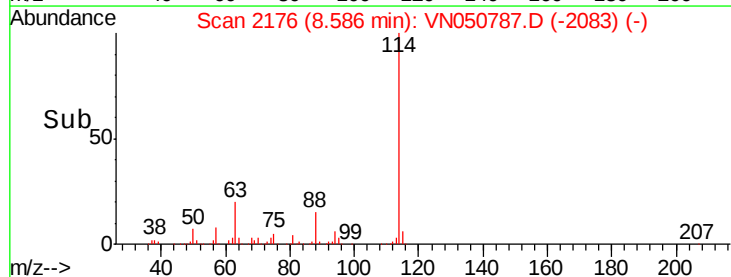
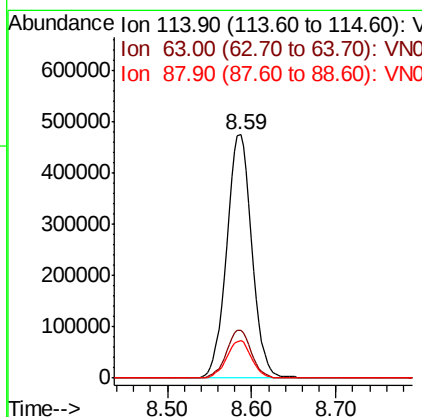
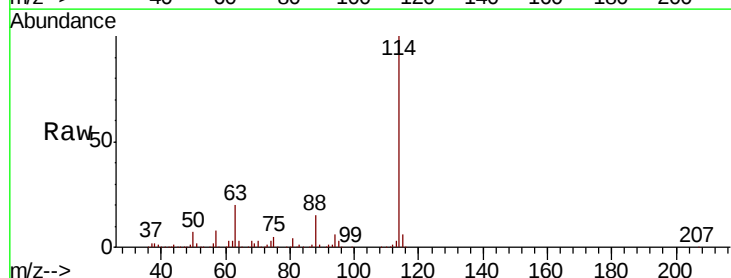
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

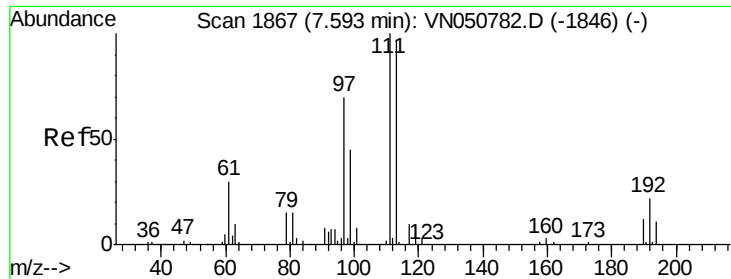
Tot Ion: 65 Resp: 403309
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 114 Resp: 984465
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.4 0.0 30.6

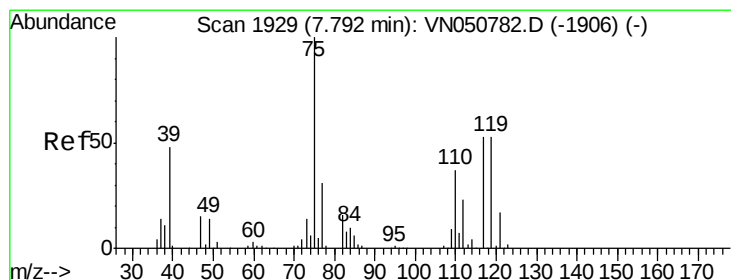
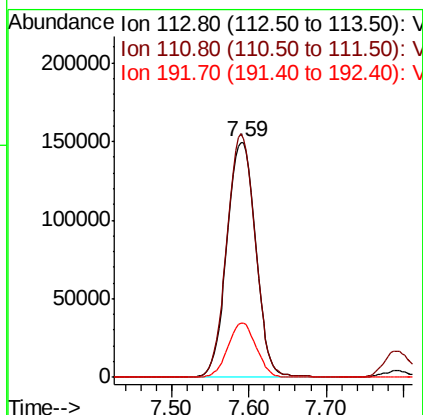
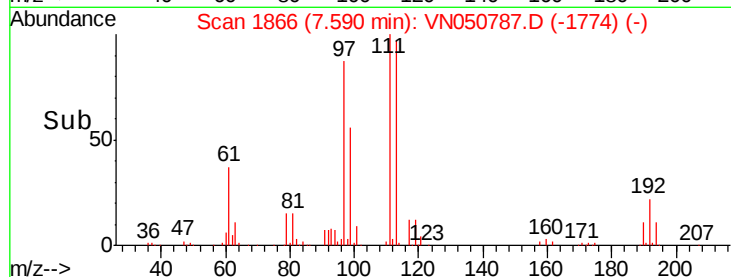
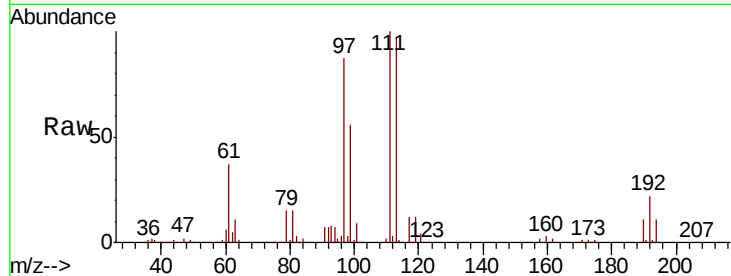




#35
 Dibromofluoromethane
 Concen: 49.452 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

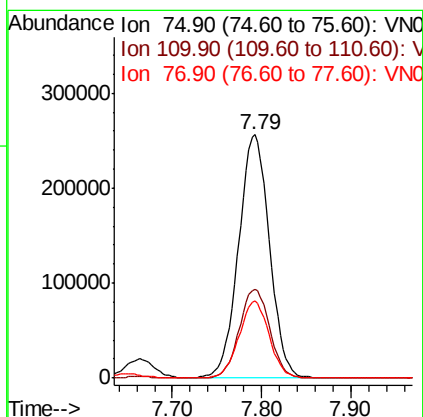
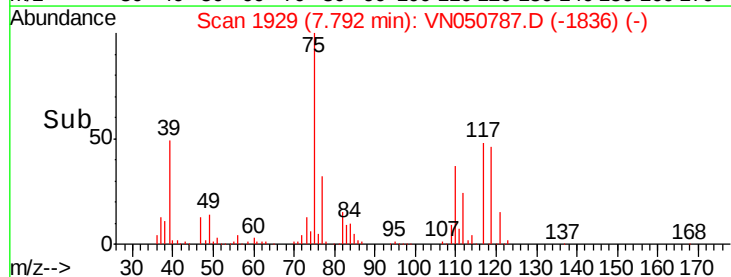
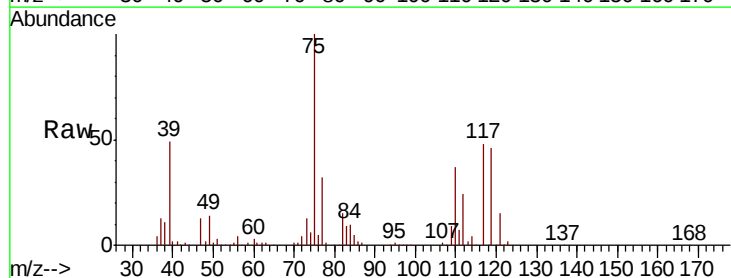
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

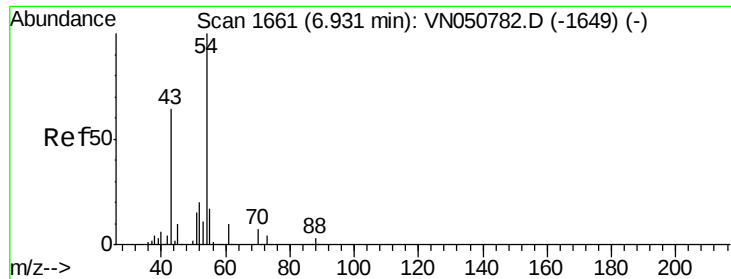
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 53.074 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.4
77	31.1	24.8	37.2

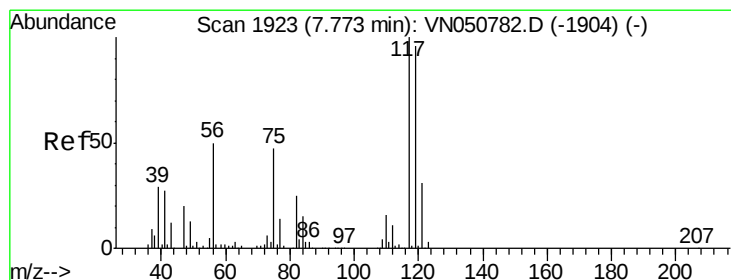
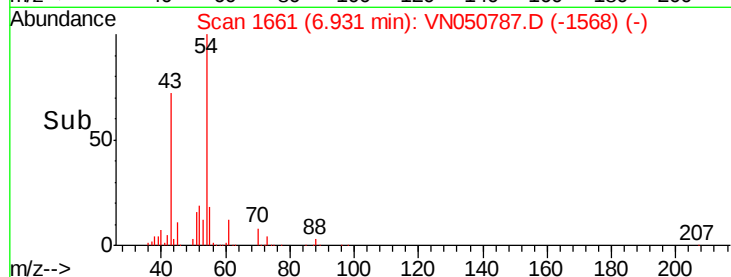
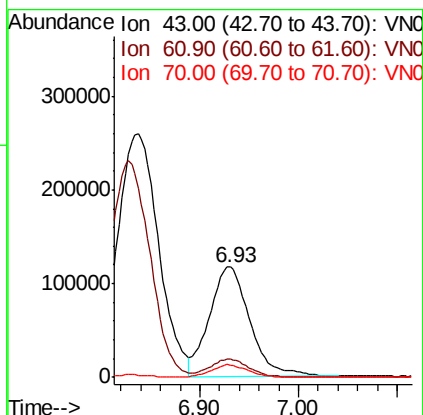
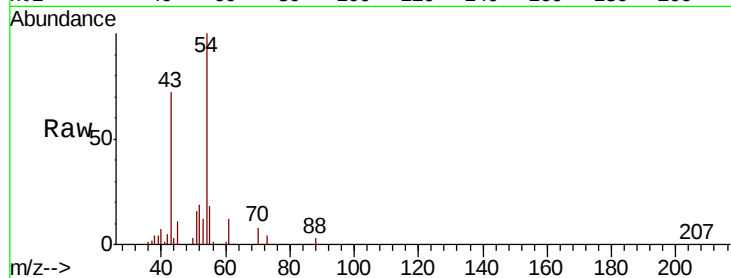




#37
Ethyl Acetate
Concen: 50.264 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

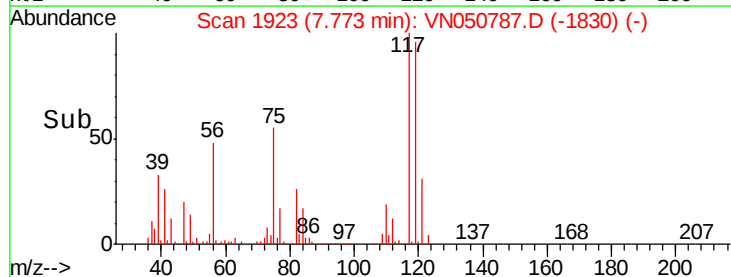
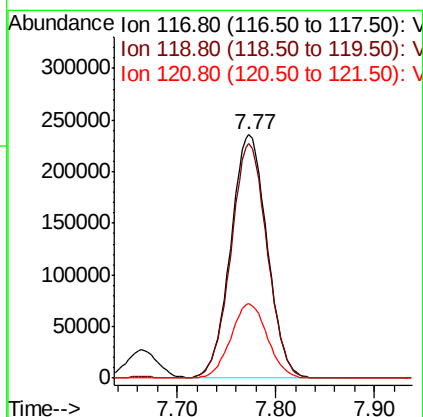
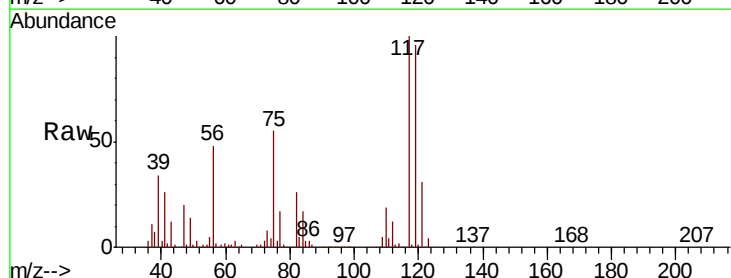
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

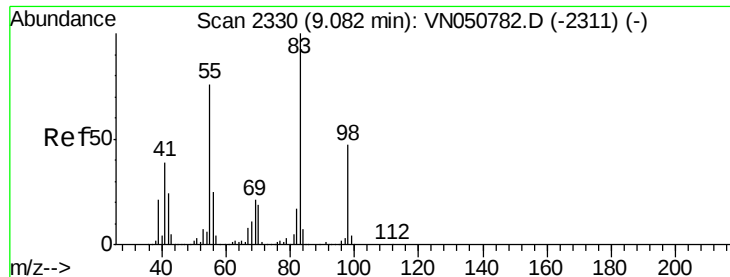
Tot Ion: 43 Resp: 335425
Ion Ratio Lower Upper
43 100
61 15.7 12.0 18.0
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 51.397 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 117 Resp: 603548
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 30.6 24.6 36.8

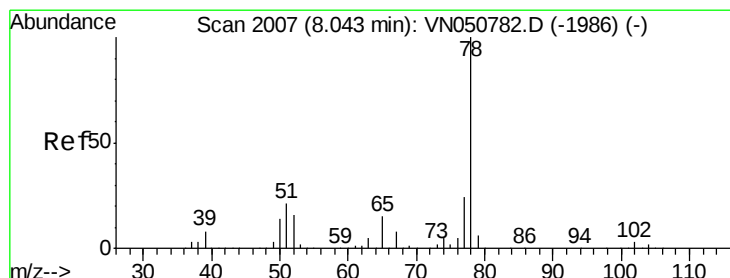
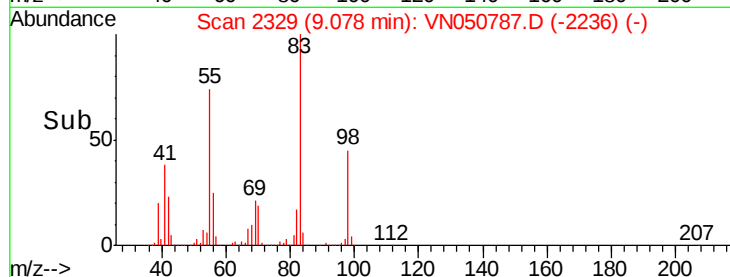
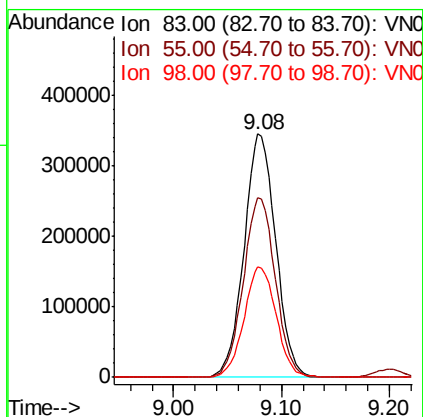
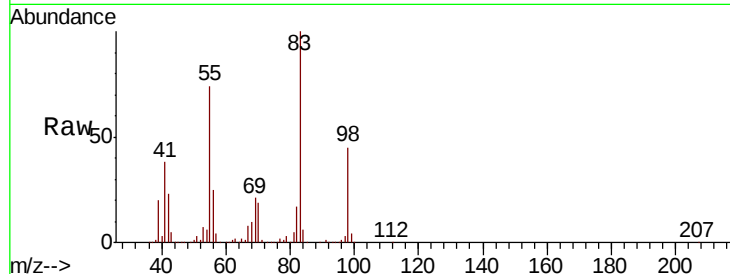




#39
Methvlcvclohexane
Concen: 56.042 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

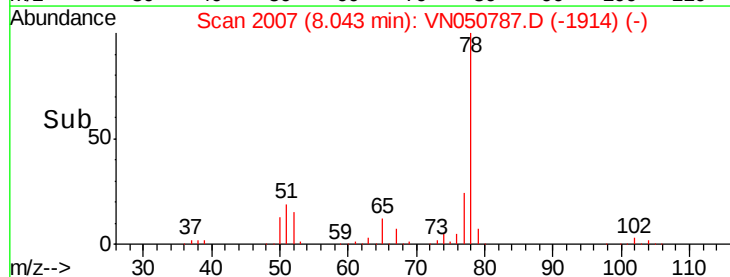
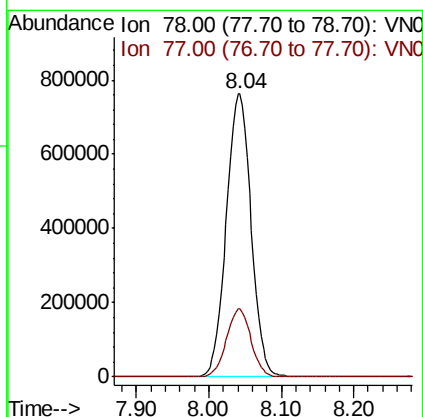
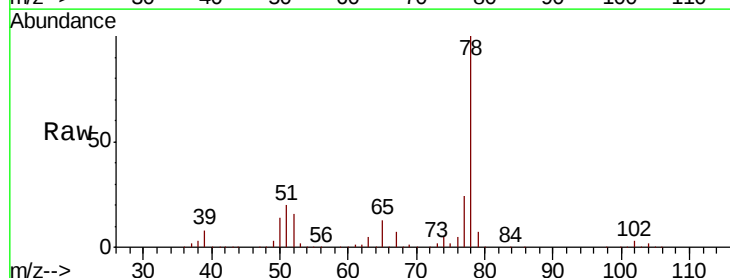
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion: 83 Resp: 704346
Ion Ratio Lower Upper
83 100
55 73.8 61.0 91.4
98 45.3 37.5 56.3



#40
Benzene
Concen: 51.731 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 78 Resp: 1812200
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

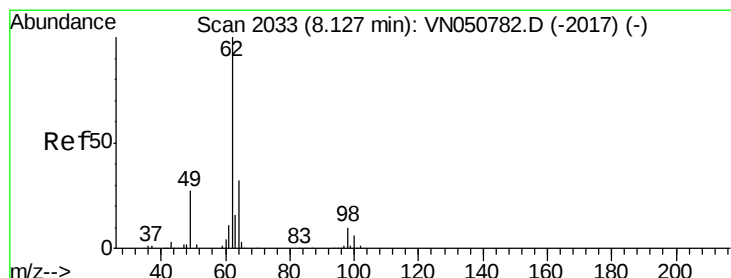
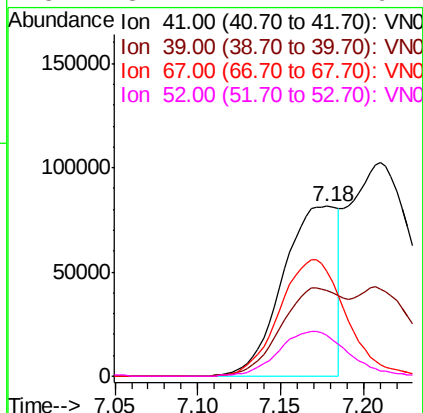
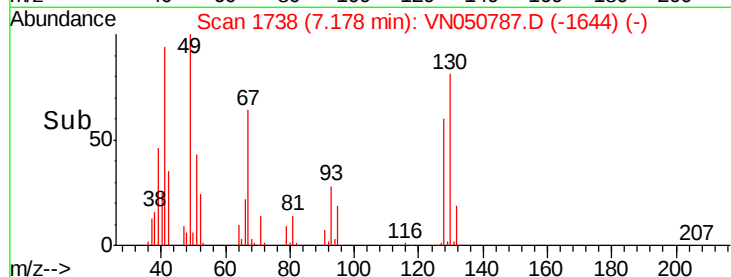
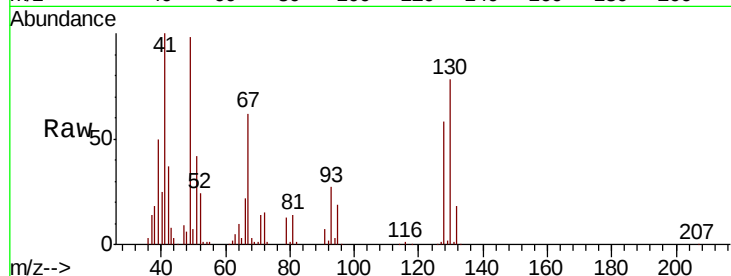




#41
Methacrylonitrile
Concen: 51.937 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

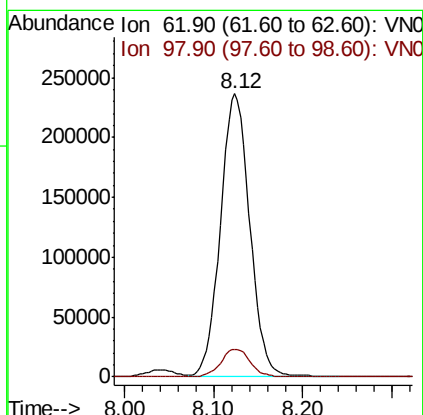
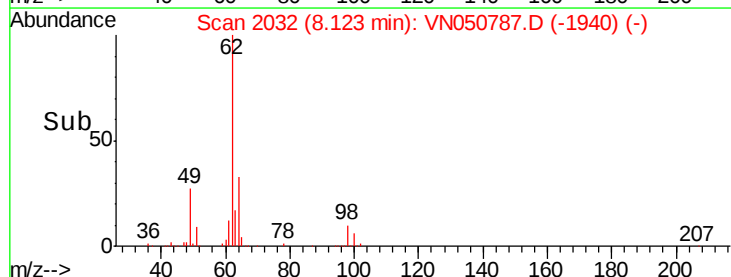
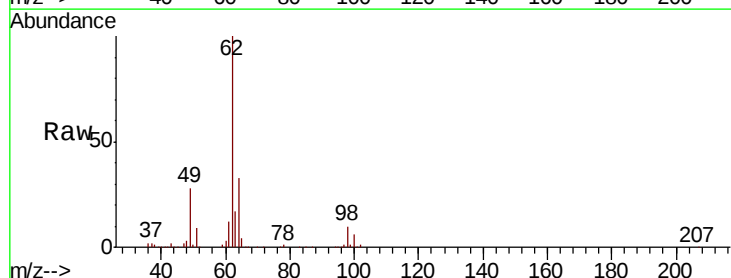
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

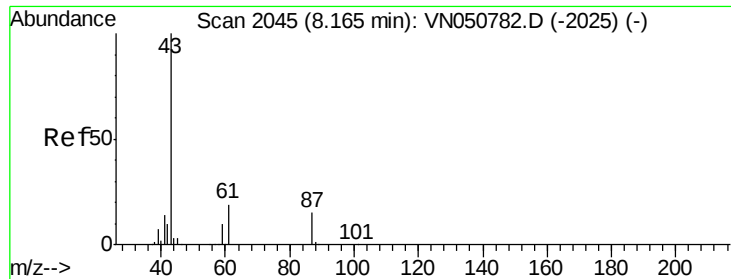
Tot Ion:	41	Resp:	187566
Ion	Ratio	Lower	Upper
41	100		
39	59.3	45.4	68.0
67	83.9	70.6	106.0
52	32.7	27.1	40.7



#42
1,2-Dichloroethane
Concen: 51.273 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:	62	Resp:	537013
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



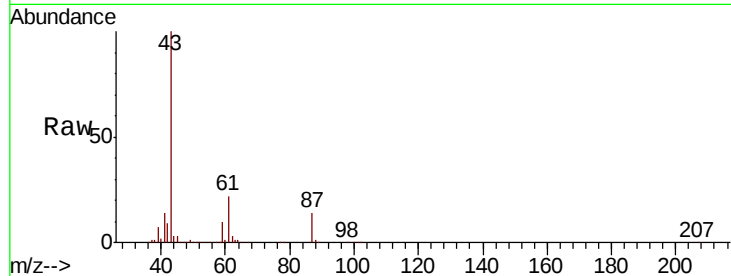


#43

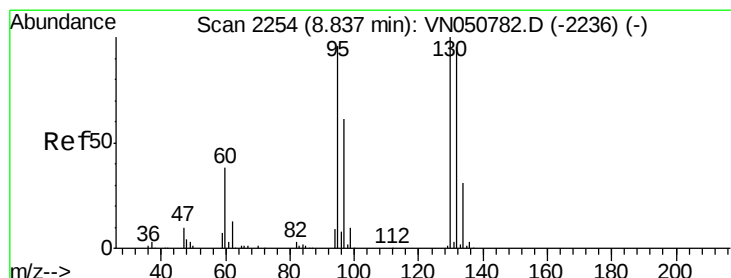
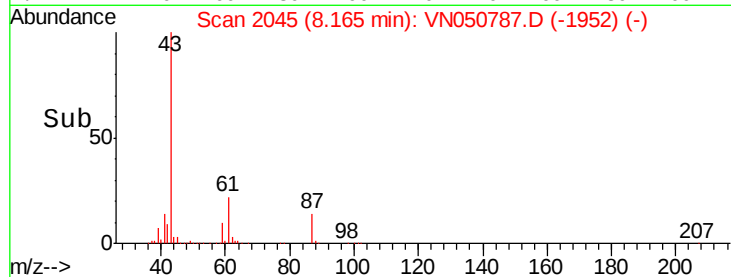
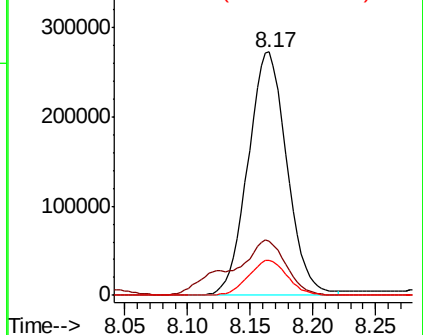
Isopropyl Acetate
 Concen: 51.282 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.5	26.3
87	14.5	11.3	16.9



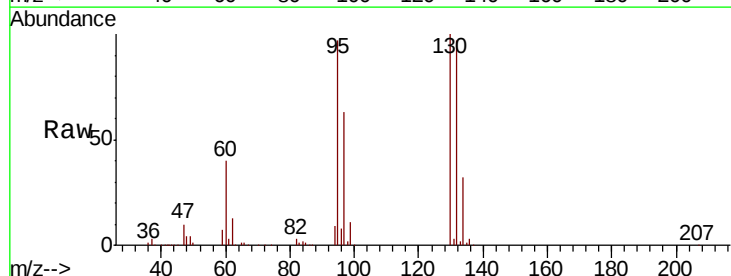
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



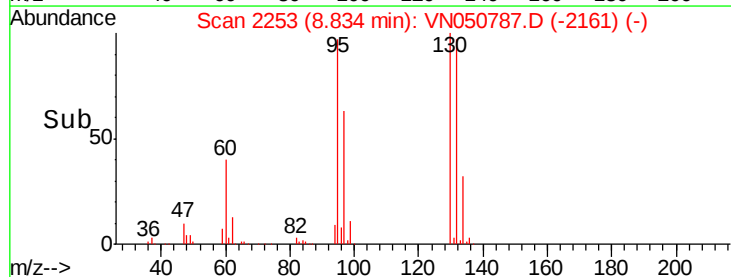
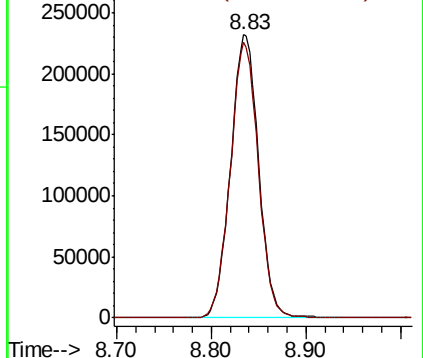
#44

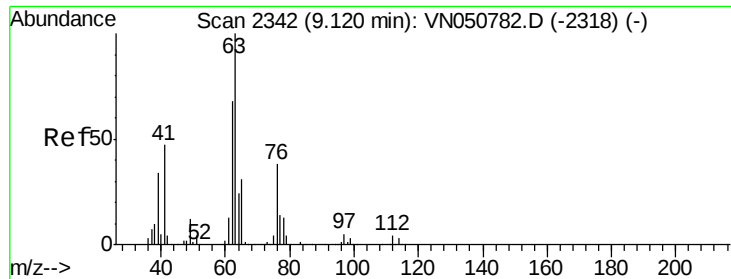
Trichloroethene
 Concen: 51.620 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.0



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

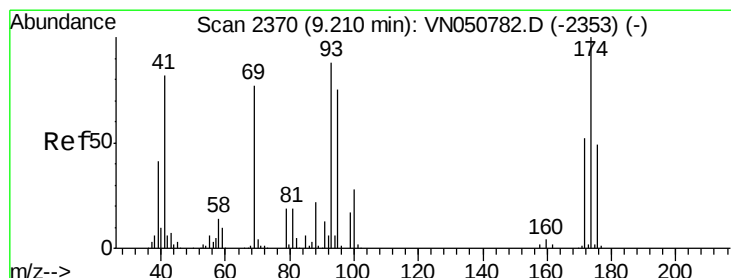
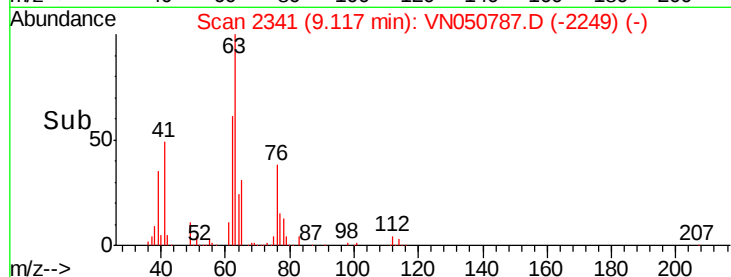
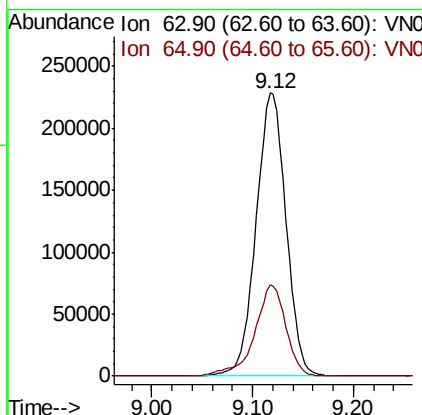
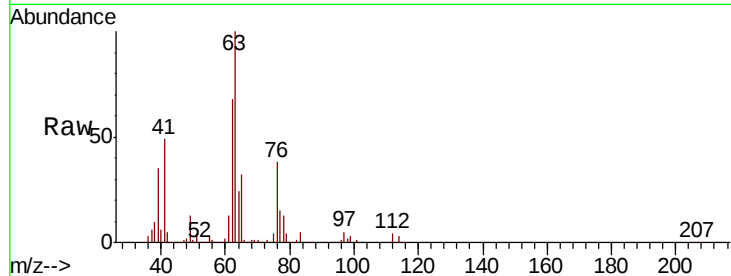




#45
 1,2-Dichloropropane
 Concen: 51.163 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

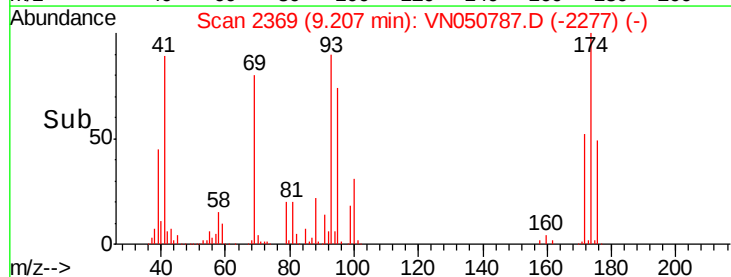
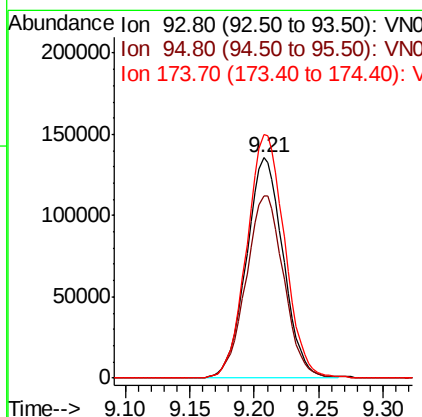
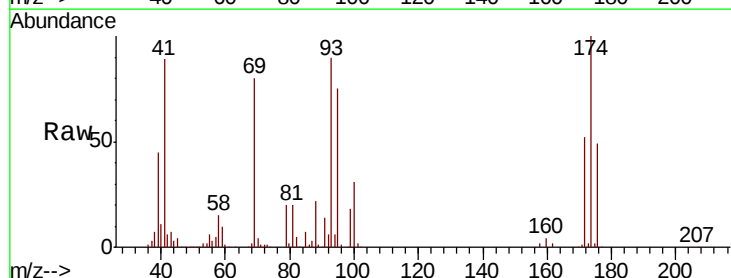
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

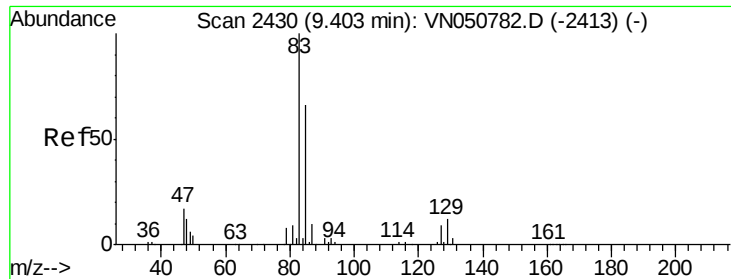
Tot Ion: 63 Resp: 471050
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6



#46
 Dibromomethane
 Concen: 50.031 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 93 Resp: 270655
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.7 100.1
 174 113.7 89.8 134.6

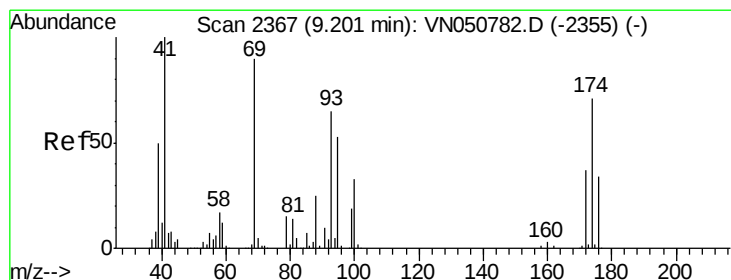
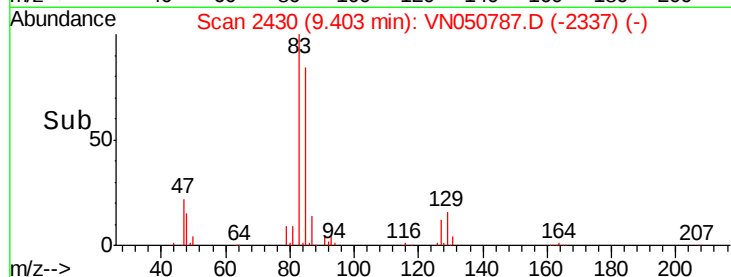
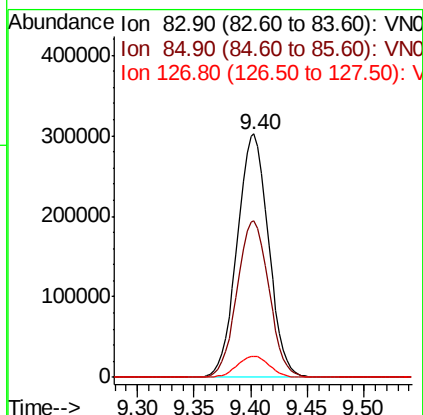
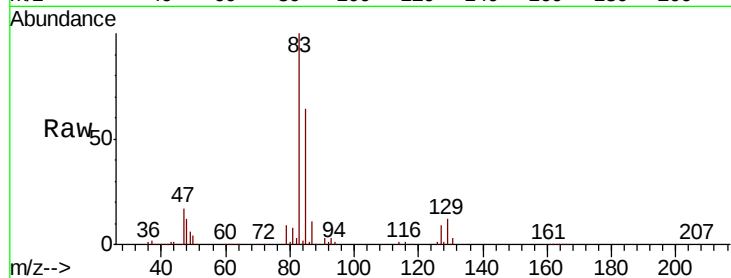




#47
 Bromodichloromethane
 Concen: 51.638 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

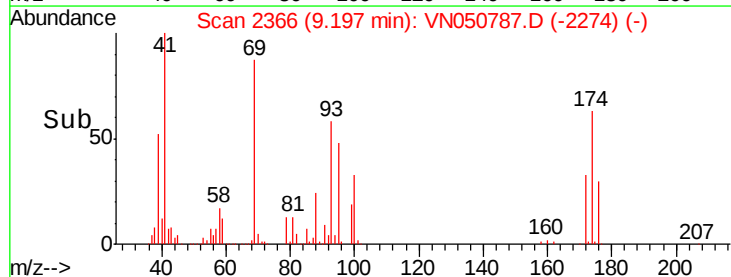
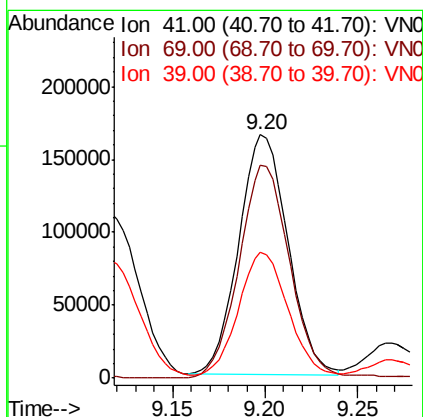
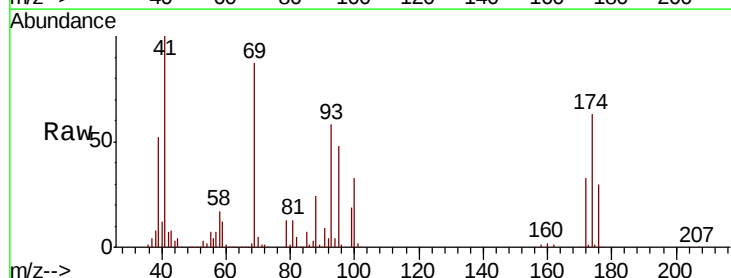
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

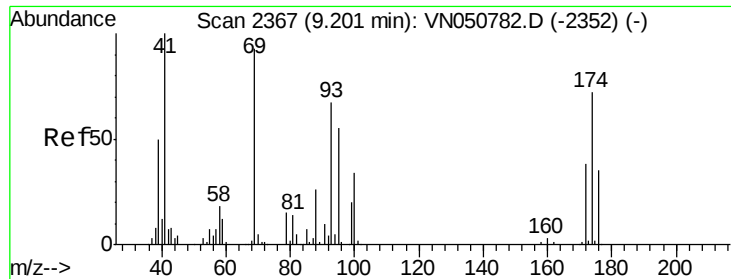
Tot Ion: 83 Resp: 585103
 Ion Ratio Lower Upper
 83 100
 85 64.4 52.6 78.8
 127 8.8 7.2 10.8



#48
 Methyl methacrylate
 Concen: 52.009 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 41 Resp: 304120
 Ion Ratio Lower Upper
 41 100
 69 91.8 74.7 112.1
 39 53.1 42.2 63.2





#49

1,4-Dioxane

Concen: 1036.296 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

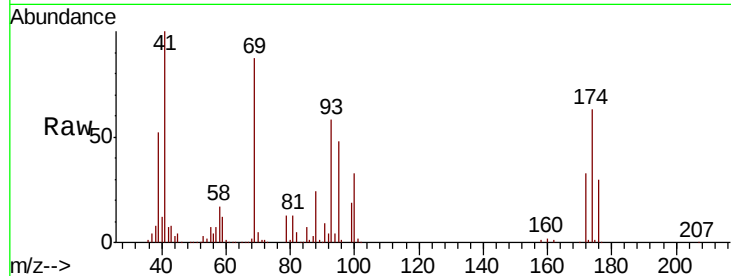
Tot Ion: 88 Resp: 82608

Ion Ratio Lower Upper

88 100

43 31.5 25.9 38.9

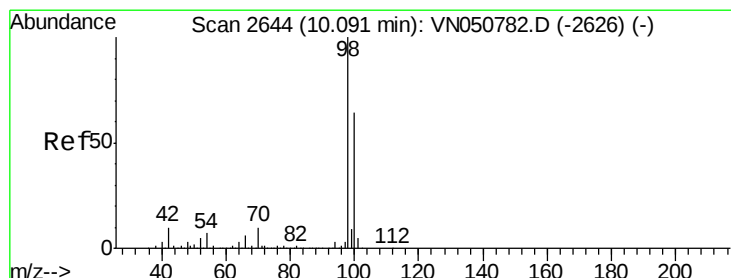
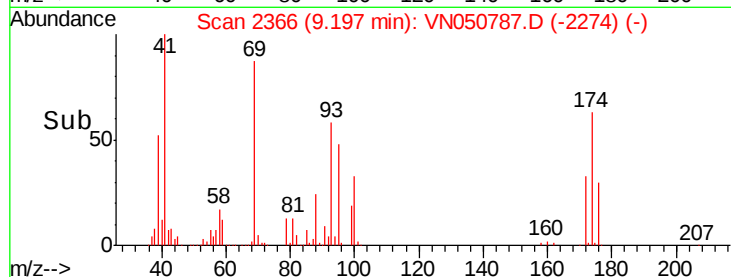
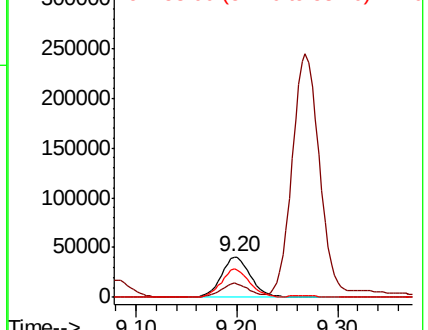
58 68.0 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.487 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050787.D

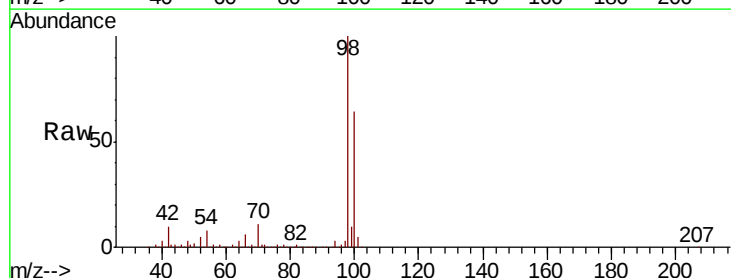
Acq: 21 Aug 2018 14:32

Tgt Ion: 98 Resp: 1478348

Ion Ratio Lower Upper

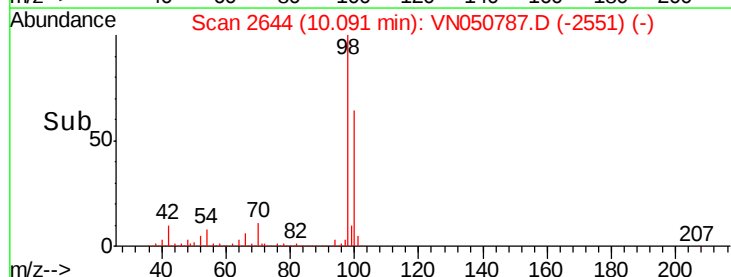
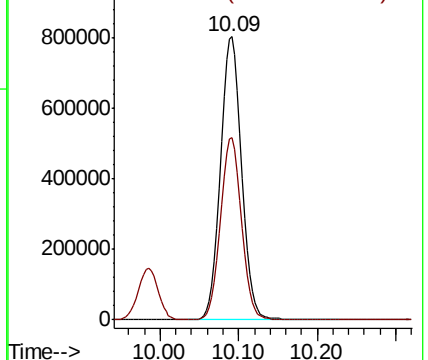
98 100

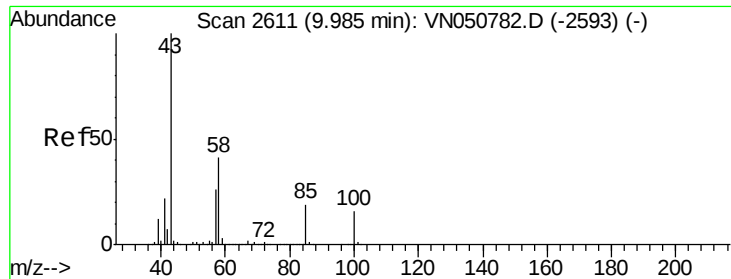
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

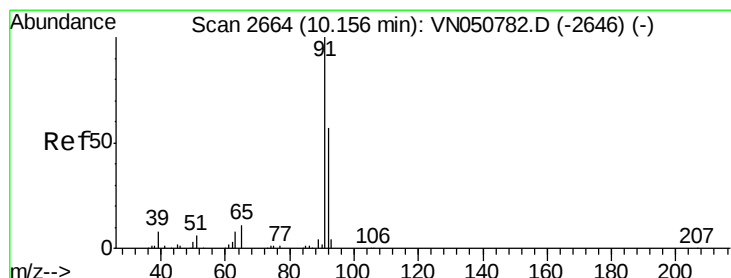
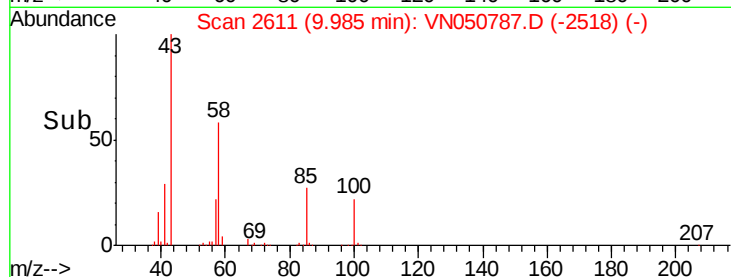
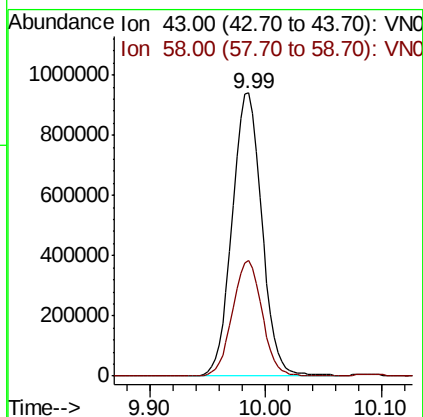
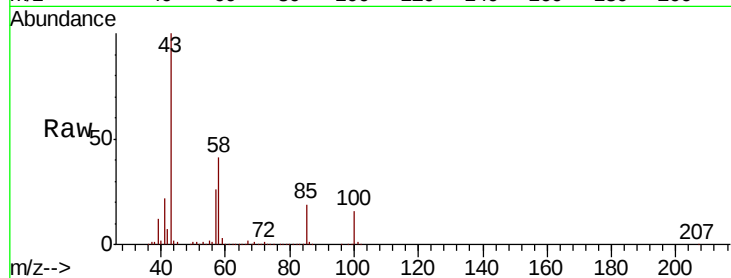




#51
 4-Methyl-2-Pentanone
 Concen: 243.725 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

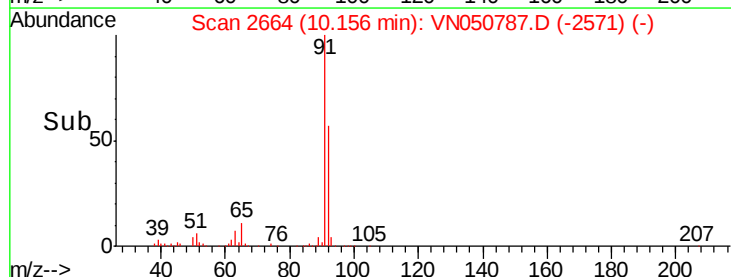
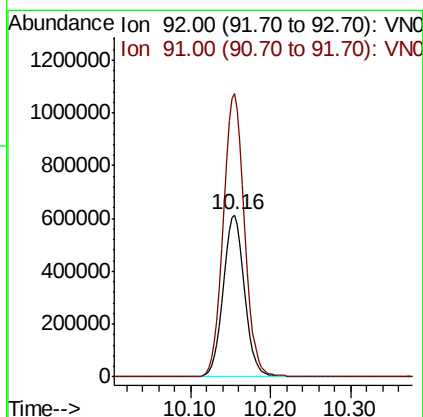
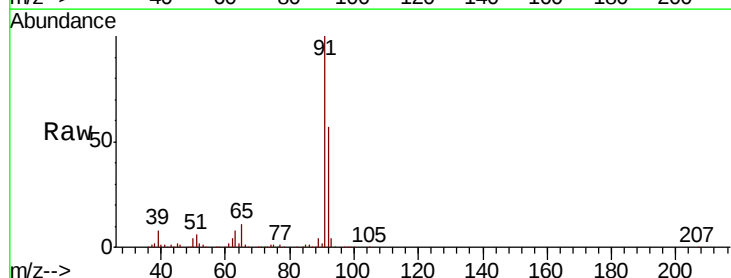
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

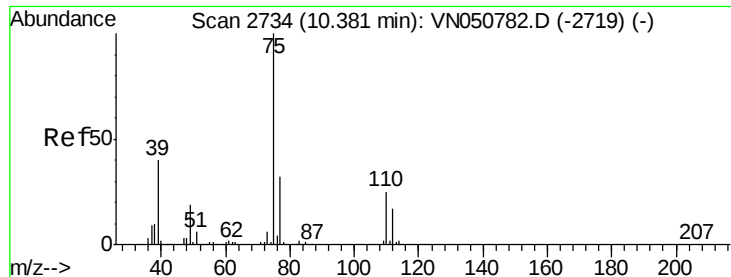
Tot Ion: 43 Resp: 1668790
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6



#52
 Toluene
 Concen: 54.508 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 92 Resp: 1131146
 Ion Ratio Lower Upper
 92 100
 91 174.4 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 52.809 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

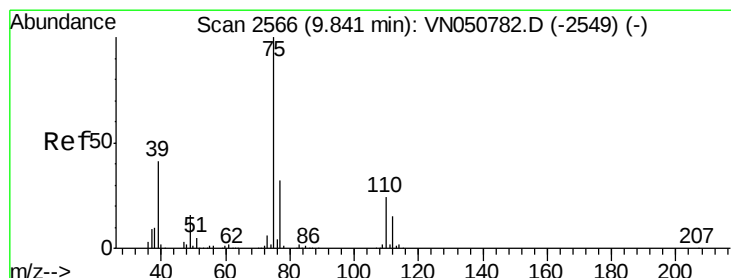
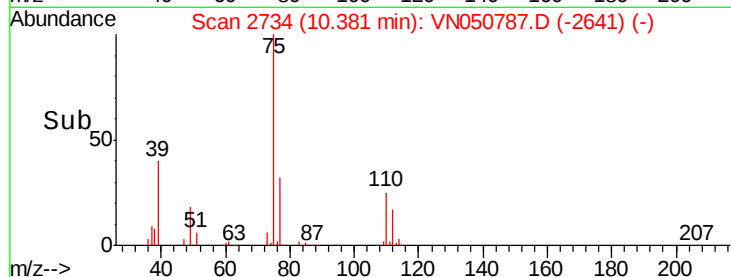
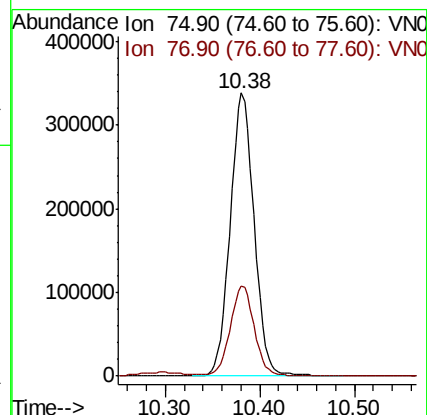
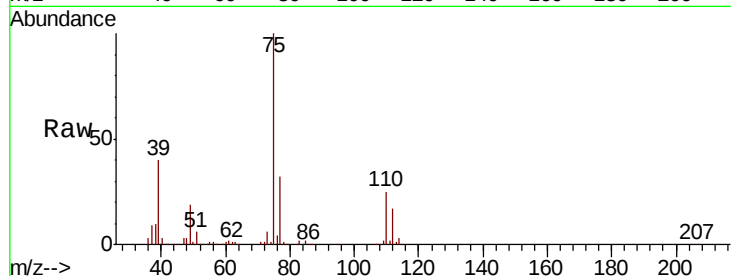
ICV082118

Tot Ion: 75 Resp: 595585

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 54.014 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

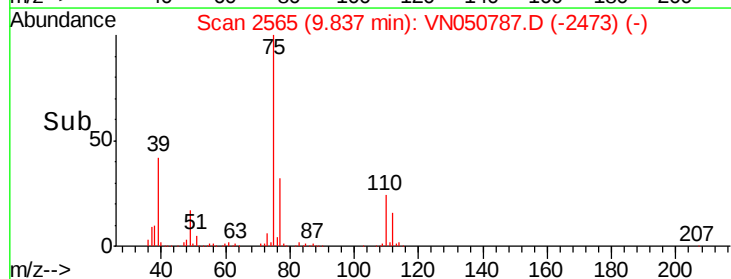
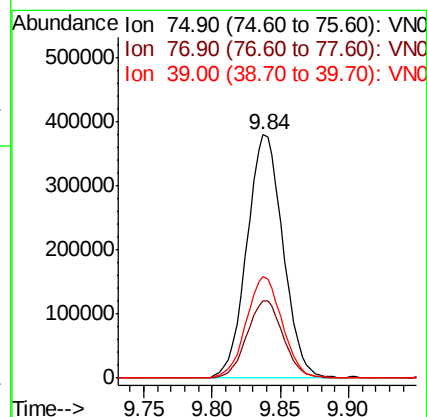
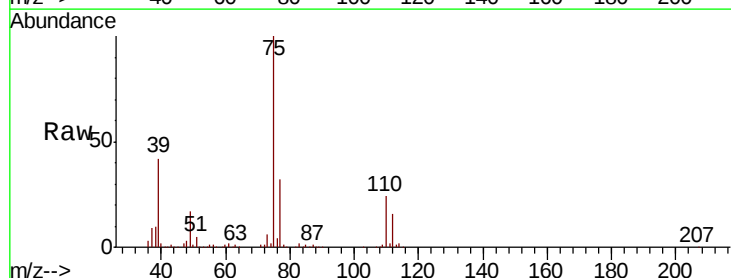
Tgt Ion: 75 Resp: 697578

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 41.8 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 50.474 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 97 Resp: 388765

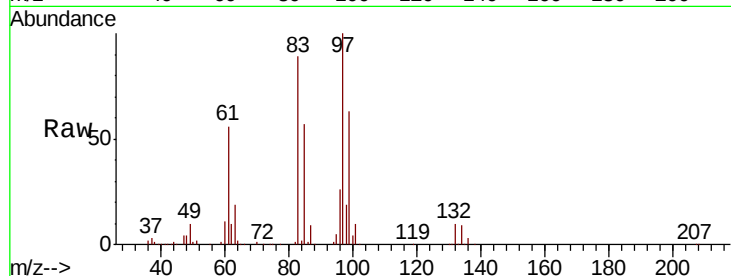
Ion Ratio Lower Upper

97 100

83 88.8 69.7 104.5

85 57.4 44.5 66.7

99 62.5 50.7 76.1

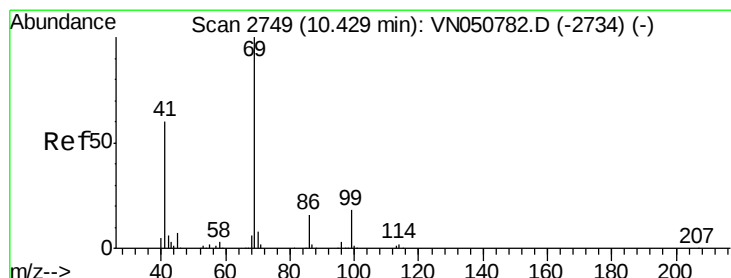
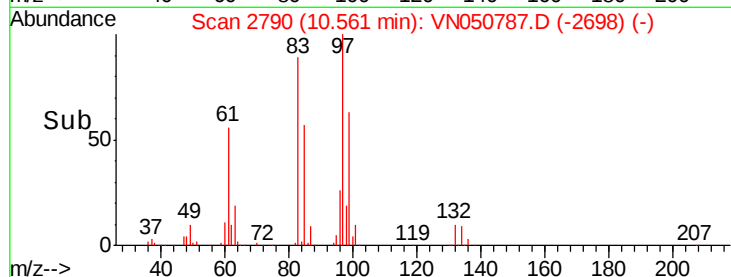
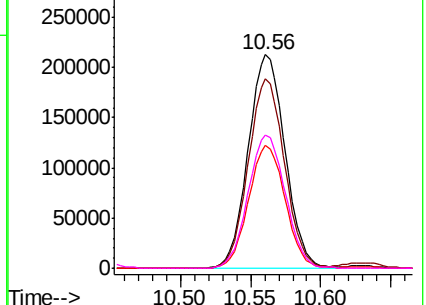


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.578 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

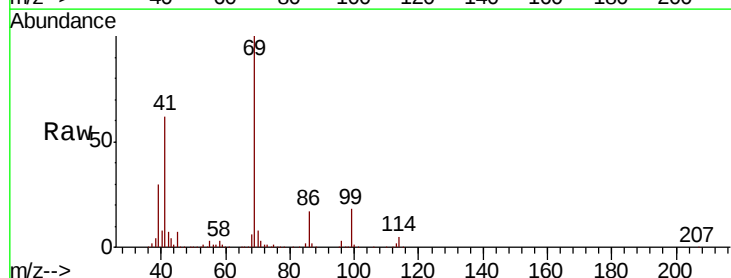
Tgt Ion: 69 Resp: 475522

Ion Ratio Lower Upper

69 100

41 61.7 48.3 72.5

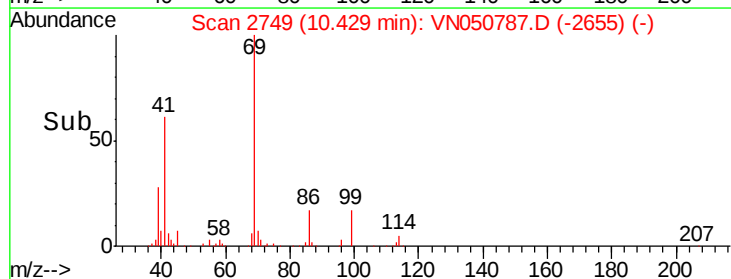
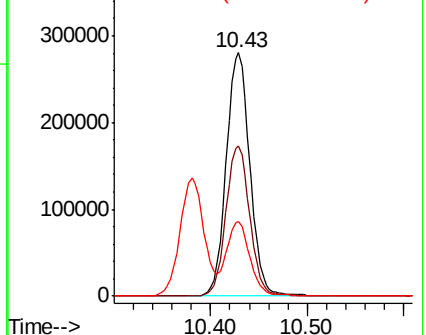
39 30.1 24.0 36.0

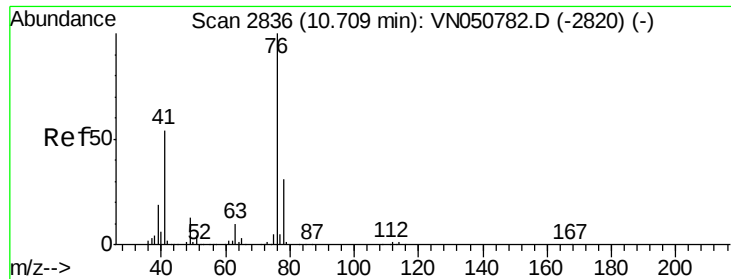


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.817 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

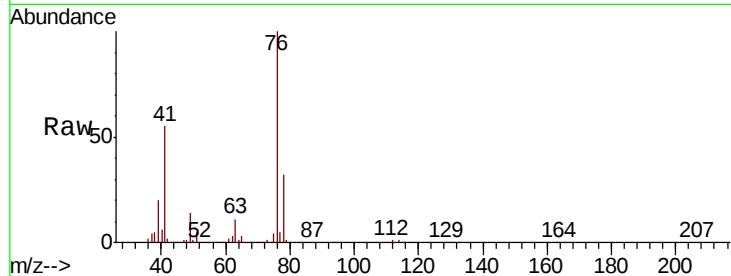
ICVFN082118

Tot Ion: 76 Resp: 658765

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

300000

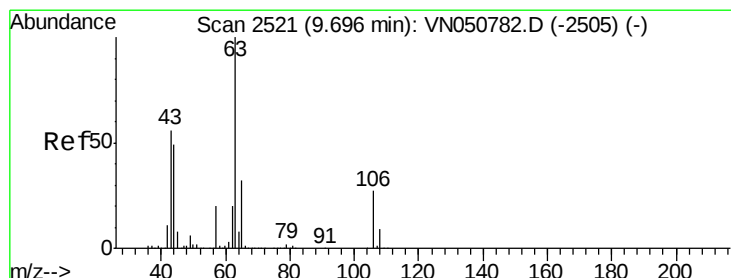
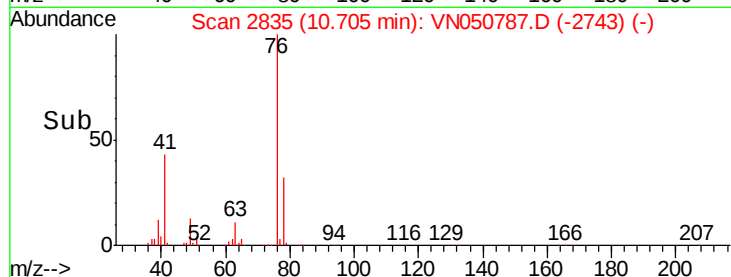
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 238.032 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN050787.D

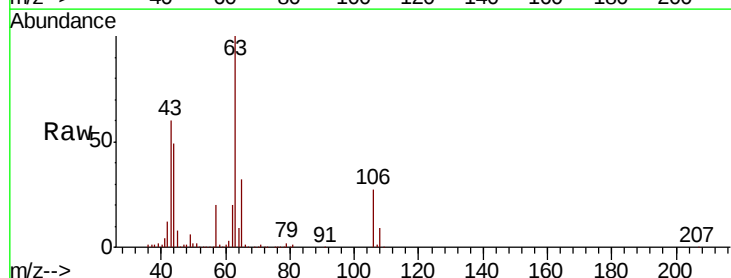
Acq: 21 Aug 2018 14:32

Tgt Ion: 63 Resp: 1038009

Ion Ratio Lower Upper

63 100

106 27.2 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

600000

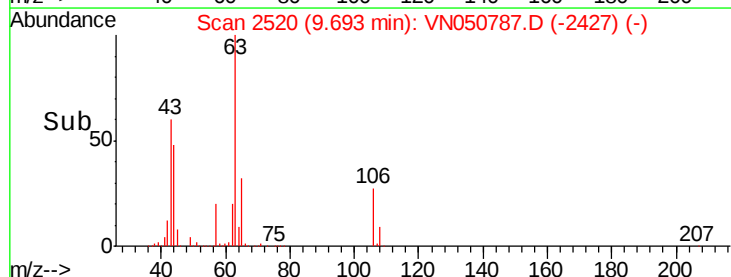
400000

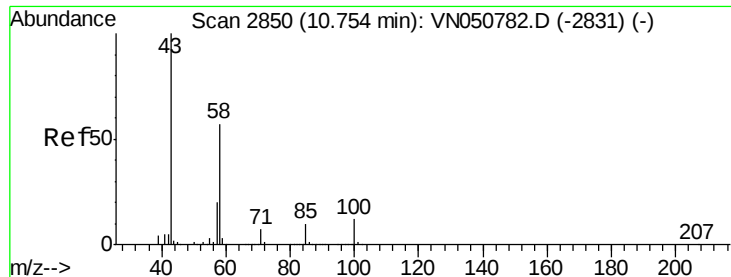
200000

0

Time-->

9.60 9.70 9.80

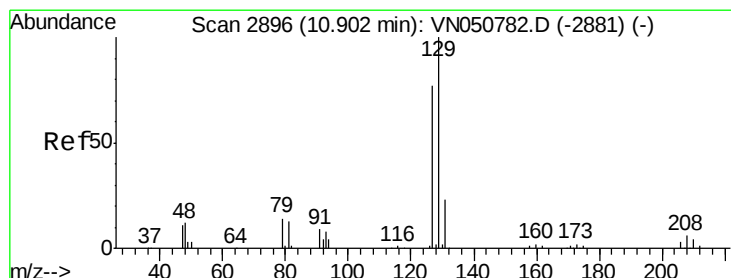
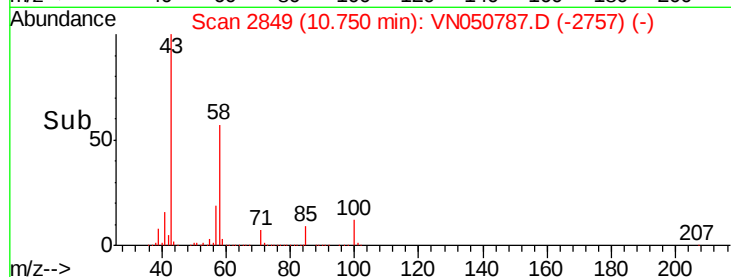
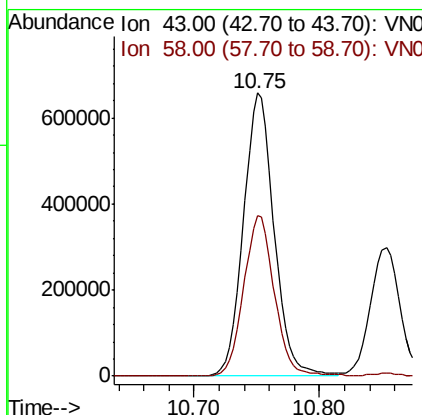
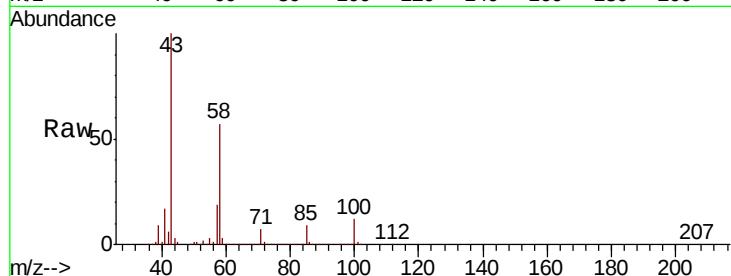




#59
2-Hexanone
Concen: 245.307 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

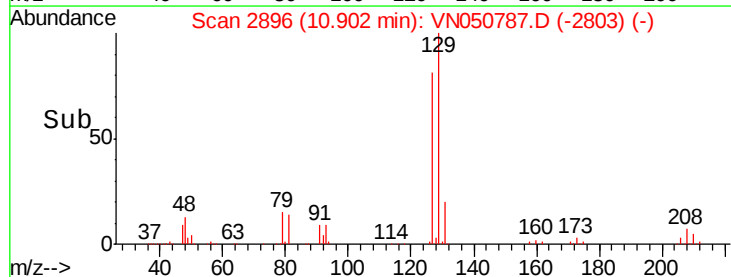
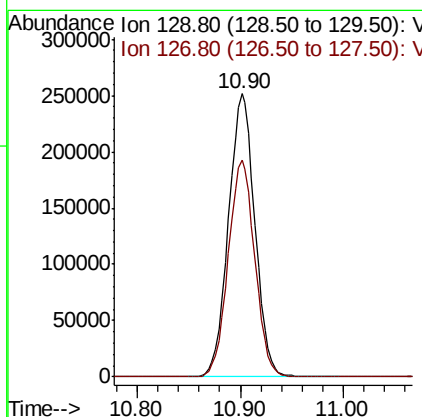
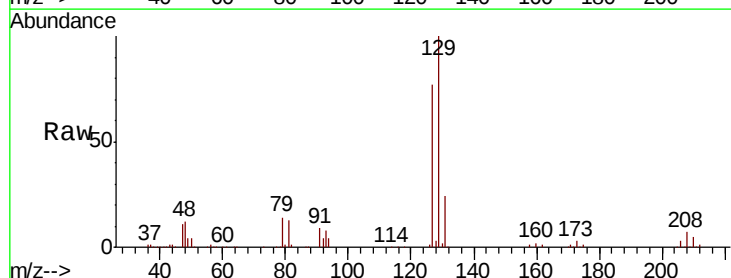
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

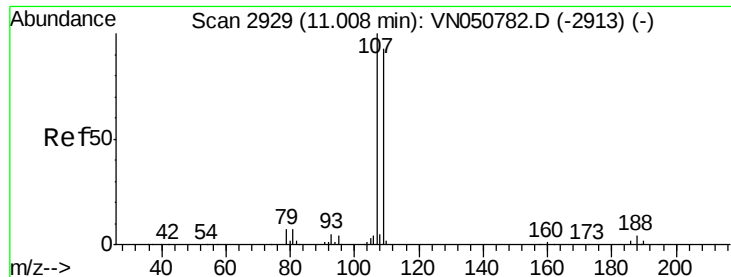
Tot Ion: 43 Resp: 1118161
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0



#60
Dibromochloromethane
Concen: 51.973 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 129 Resp: 448211
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.978 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

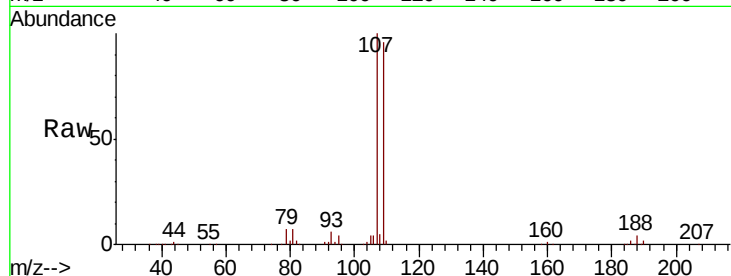
ICVVN082118

Tot Ion:107 Resp: 387130

Ion Ratio Lower Upper

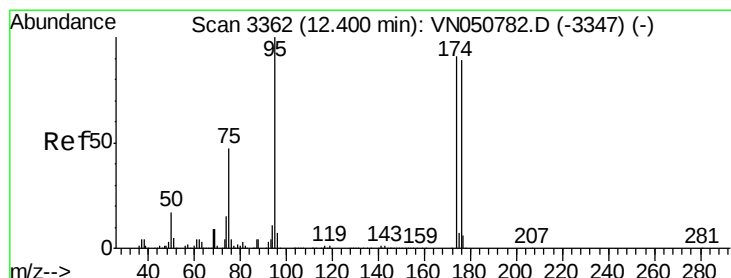
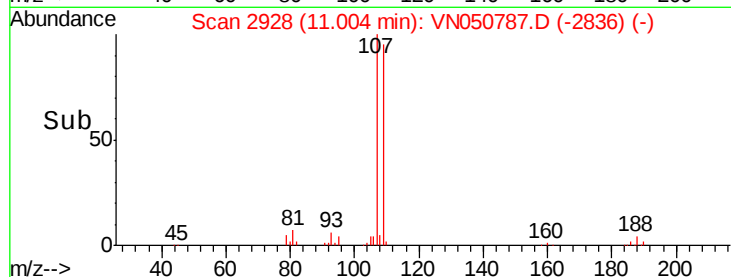
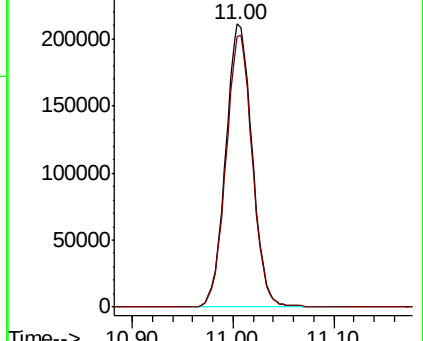
107 100

109 95.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.461 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

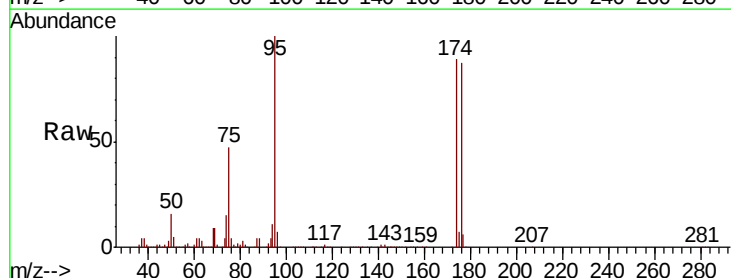
Tgt Ion: 95 Resp: 491005

Ion Ratio Lower Upper

95 100

174 90.5 0.0 183.0

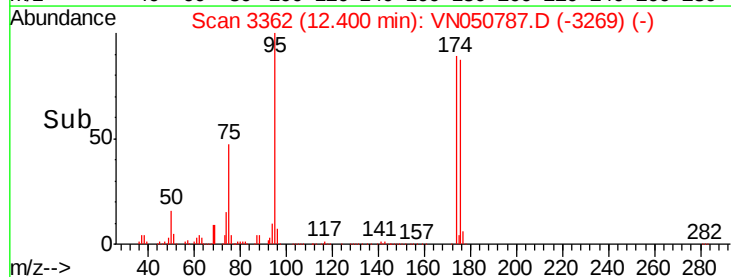
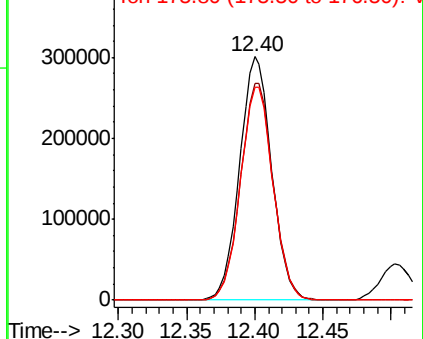
176 89.0 0.0 178.8

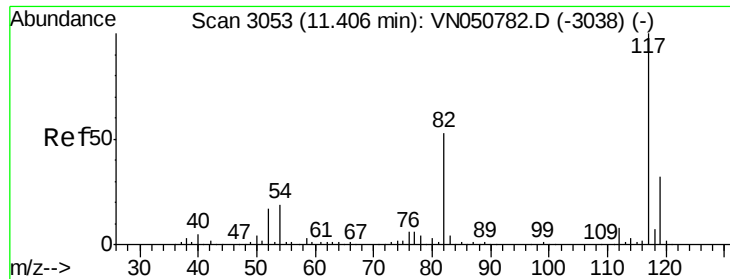


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

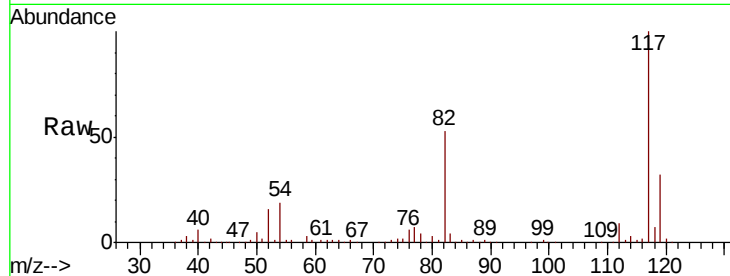




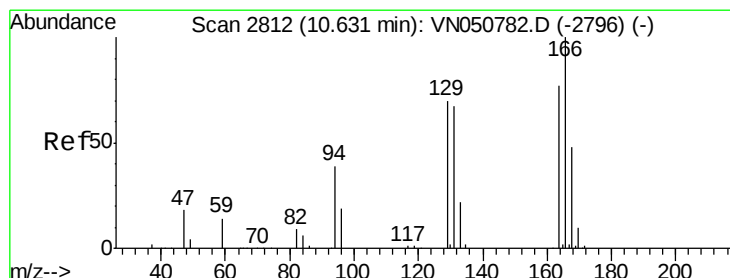
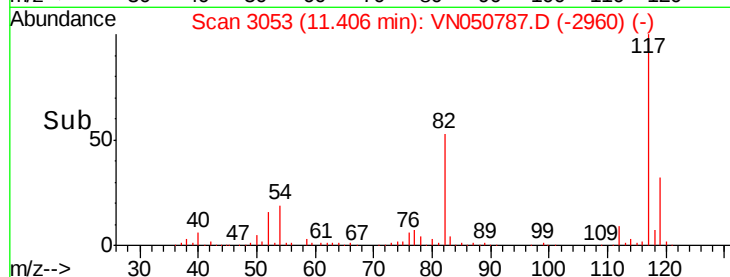
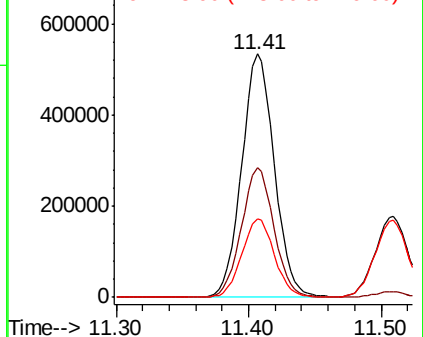
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion:117 Resp: 912781
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.1 25.8 38.6

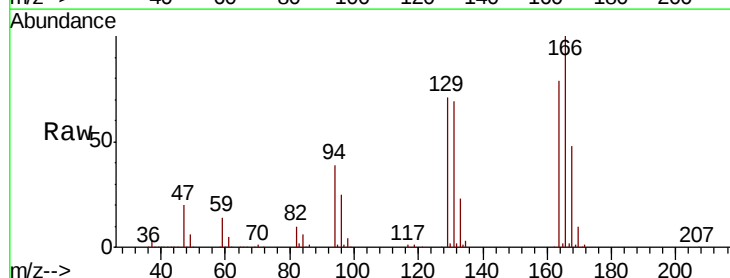


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

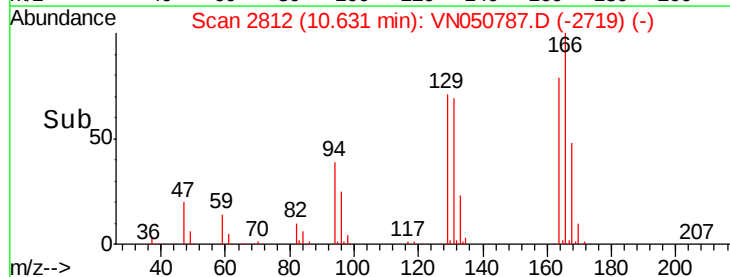
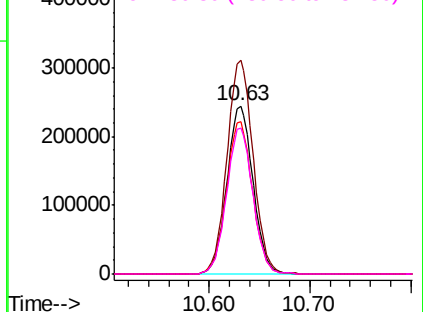


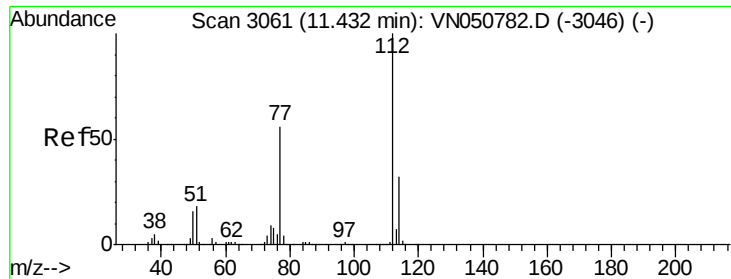
#64
Tetrachloroethene
Concen: 50.891 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:164 Resp: 441210
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 90.6 72.7 109.1
131 87.3 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

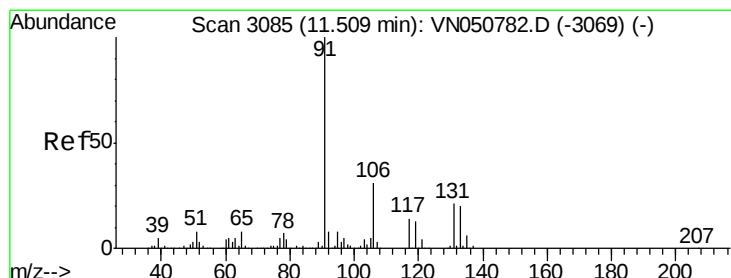
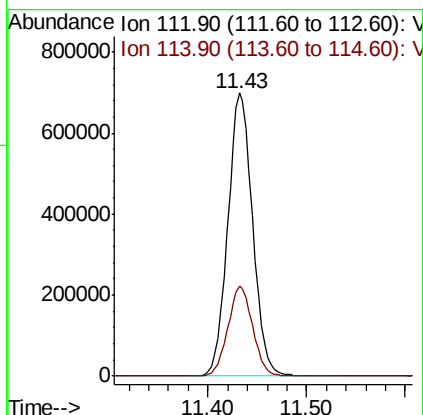
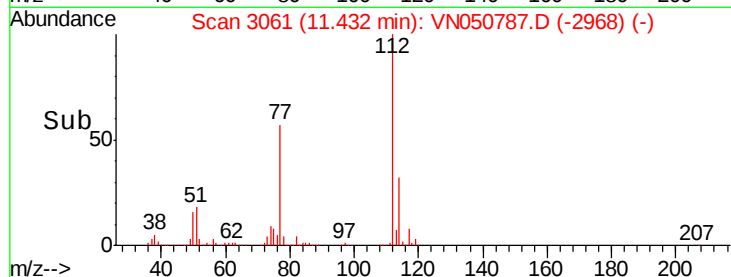
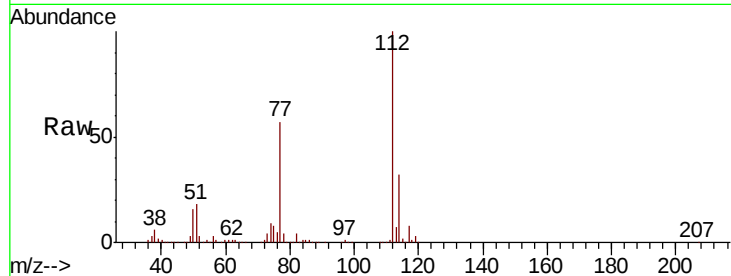




#65
Chlorobenzene
Concen: 51.266 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

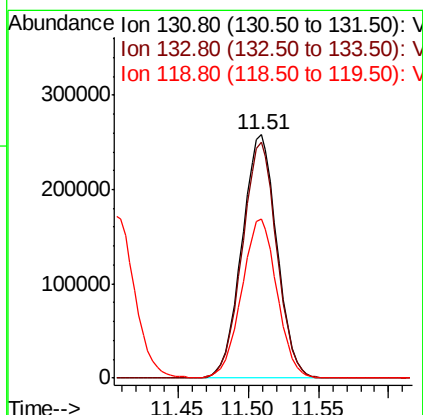
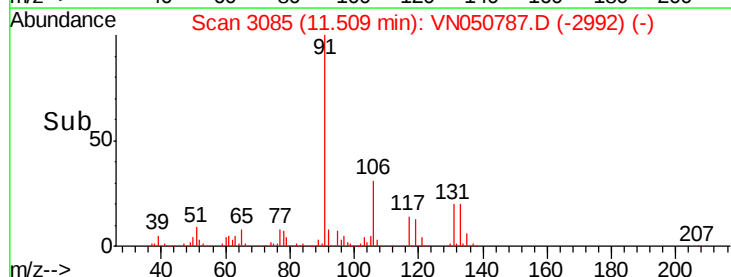
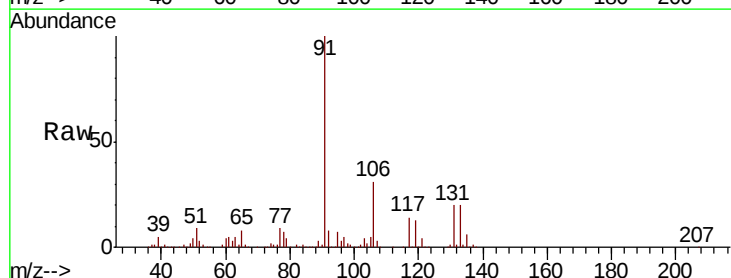
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

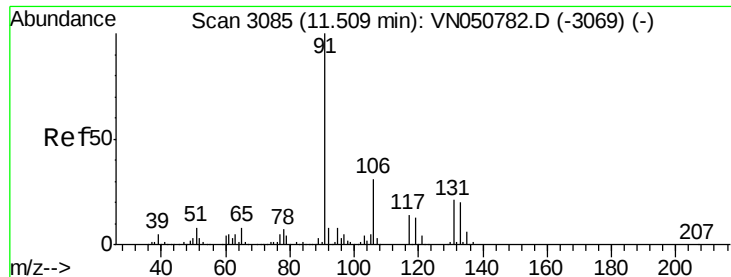
Tot Ion:112 Resp: 1223114
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:131 Resp: 448069
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 65.9 32.8 98.4

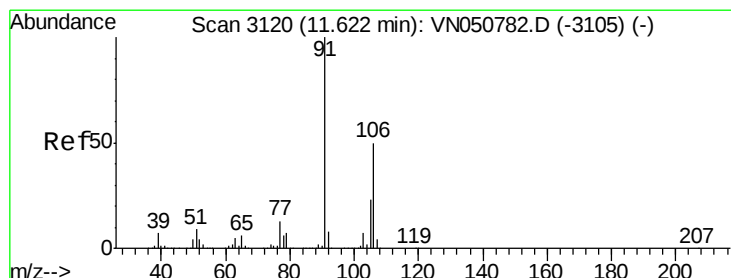
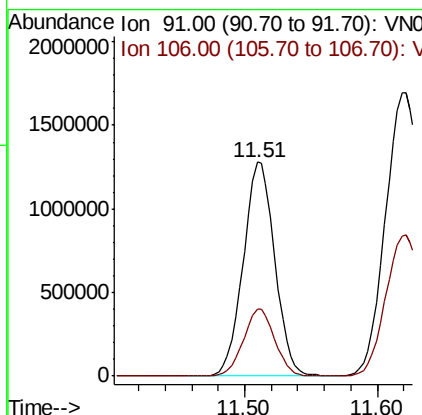
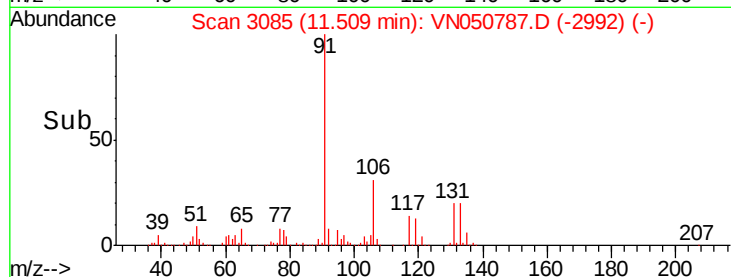
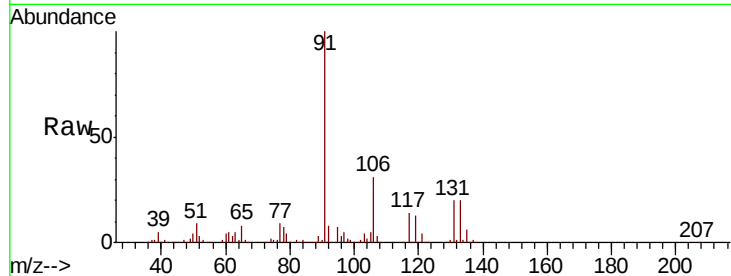




#67
Ethyl Benzene
Concen: 54.546 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

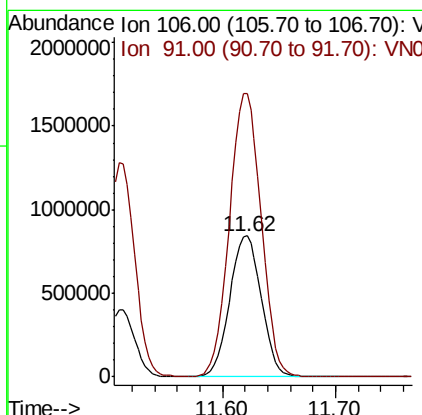
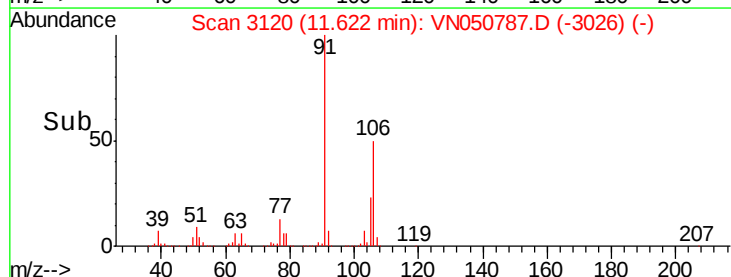
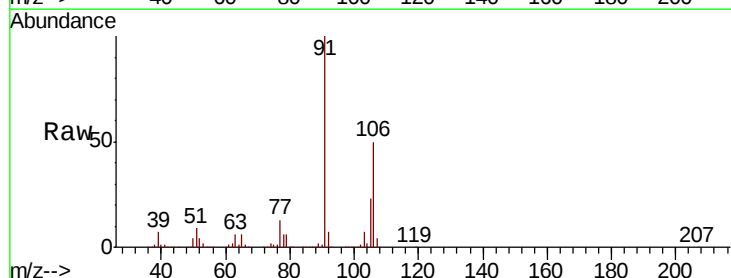
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

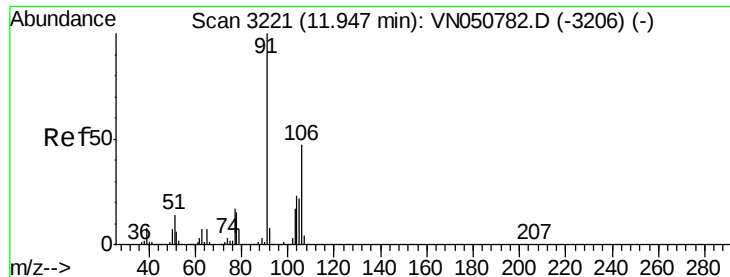
Tot Ion: 91 Resp: 2115679
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 110.879 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 106 Resp: 1632404
Ion Ratio Lower Upper
106 100
91 202.1 161.0 241.6

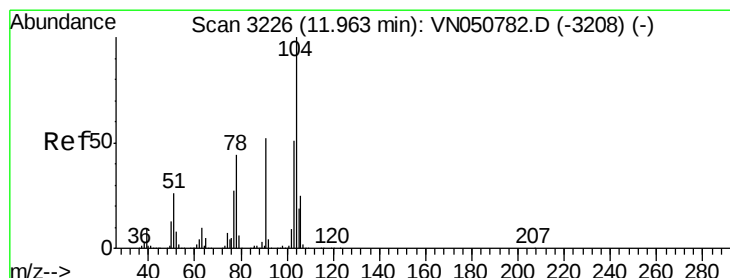
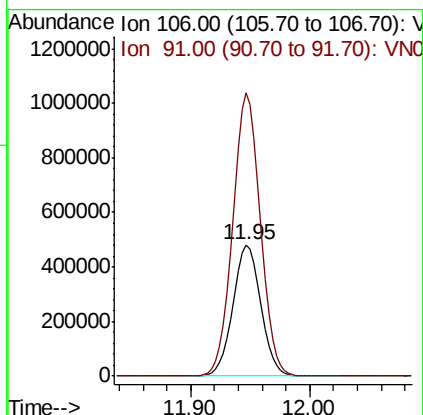
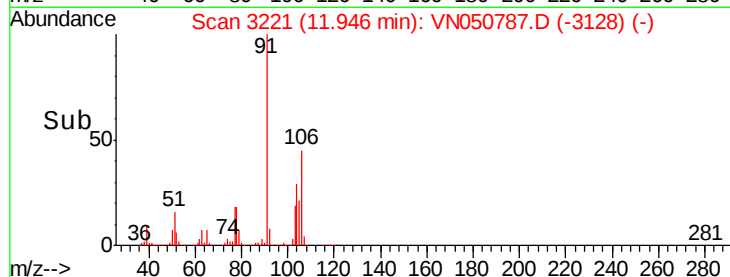
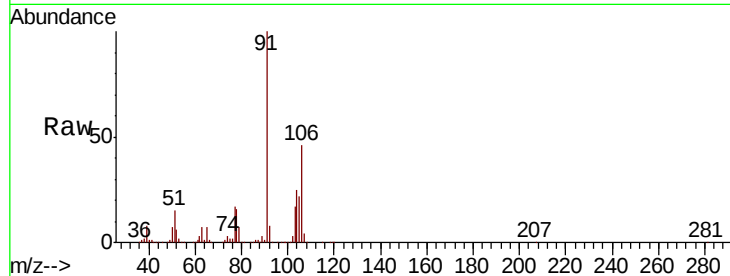




#69
o-Xylene
Concen: 54.936 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

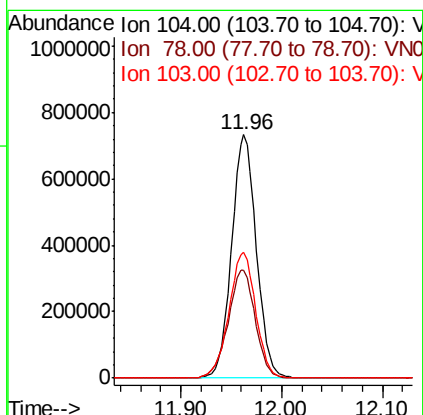
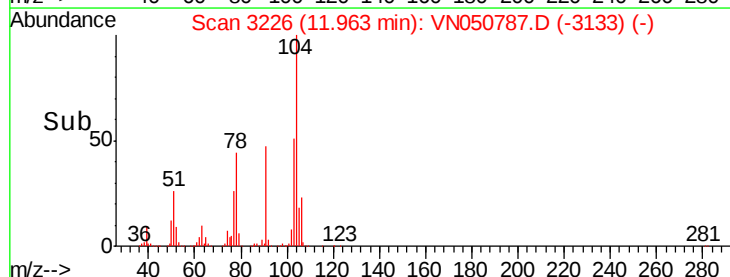
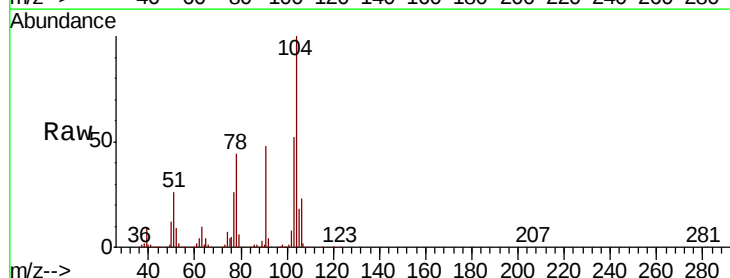
Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

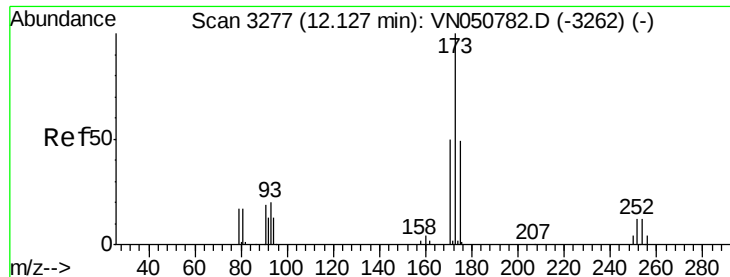
Tot Ion:106 Resp: 777559
Ion Ratio Lower Upper
106 100
91 213.8 106.5 319.5



#70
Styrene
Concen: 50.072 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:104 Resp: 1249019
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.4
103 56.0 44.4 66.6

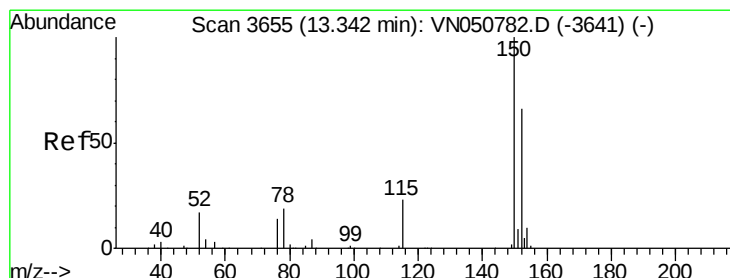
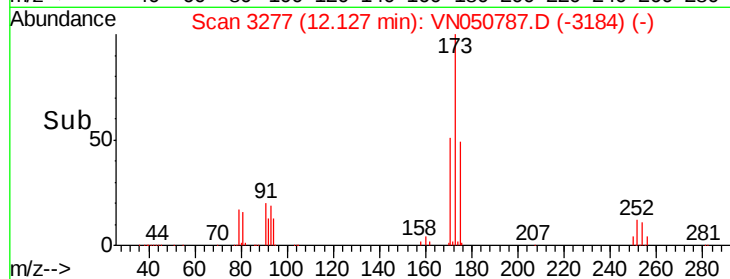
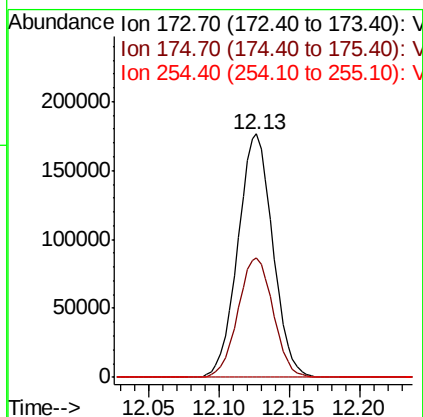
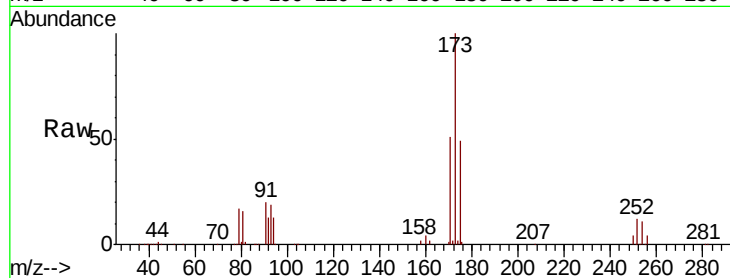




#71
Bromoform
Concen: 50.981 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

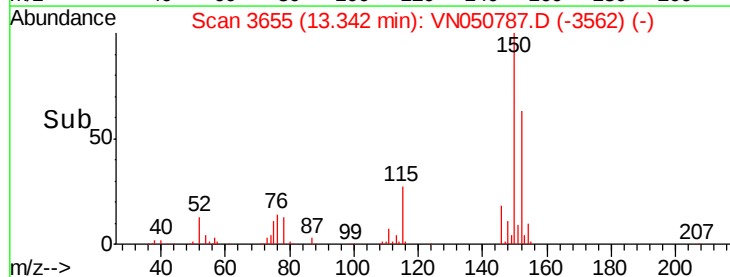
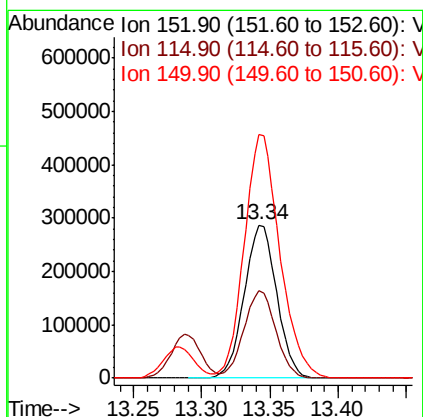
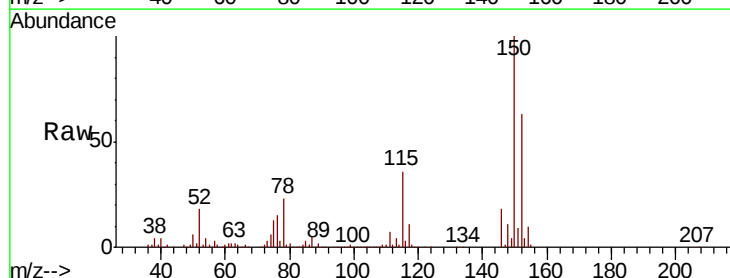
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

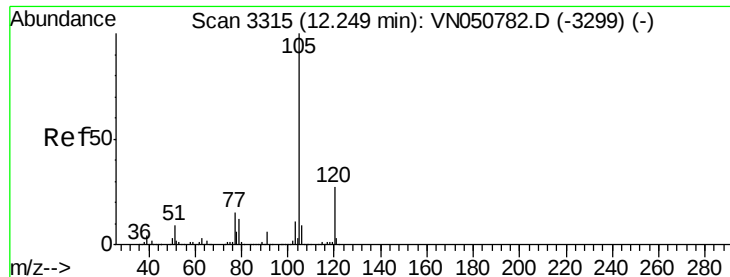
Tot Ion:173 Resp: 306042
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:152 Resp: 473245
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.4
150 174.4 0.0 351.4





#73

Isopropylbenzene

Concen: 52.838 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

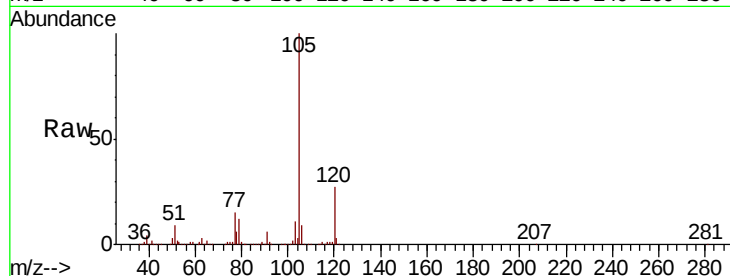
ICVVN082118

Tot Ion:105 Resp: 2070505

Ion Ratio Lower Upper

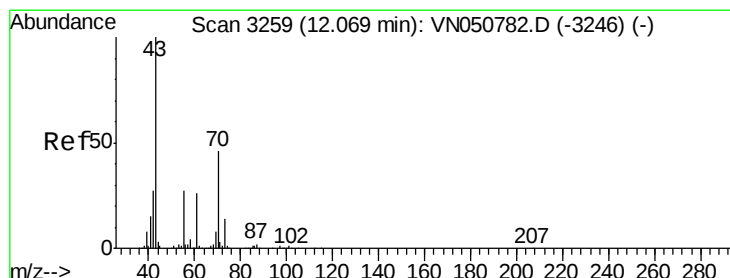
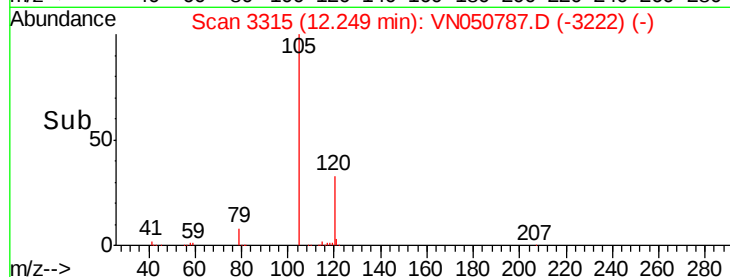
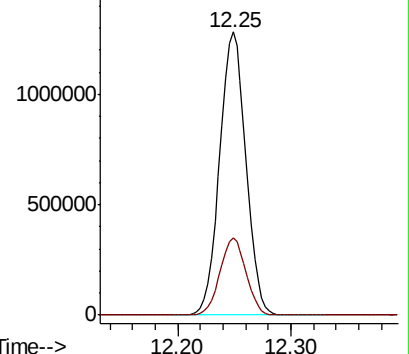
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.241 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion: 43 Resp: 504519

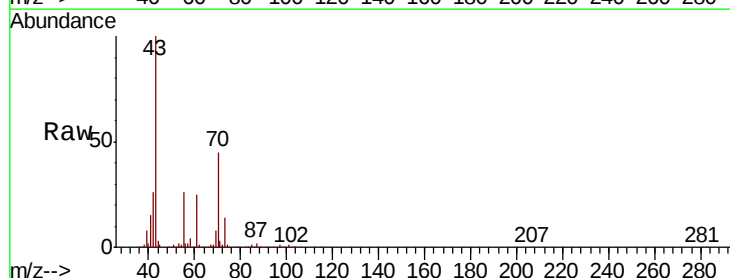
Ion Ratio Lower Upper

43 100

70 45.3 36.2 54.2

55 26.4 21.8 32.8

61 25.2 20.5 30.7

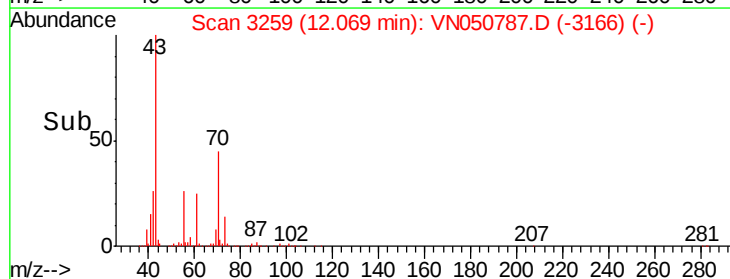
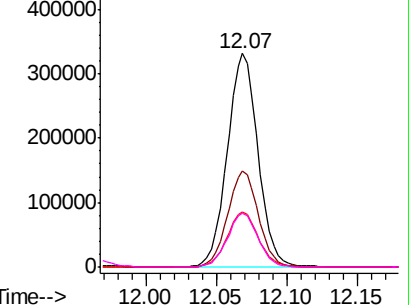


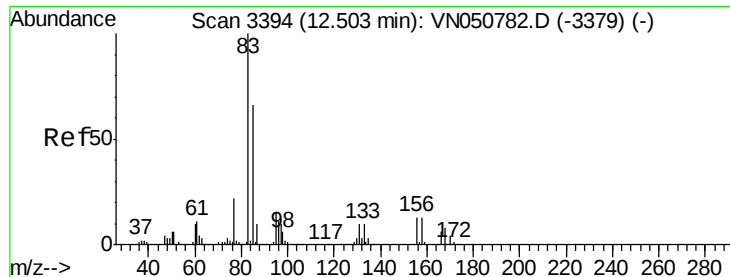
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.708 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

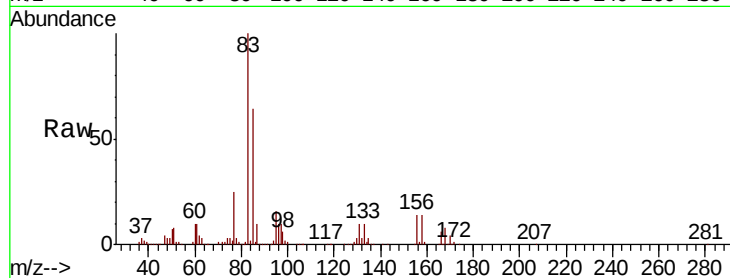
Tot Ion: 83 Resp: 473520

Ion Ratio Lower Upper

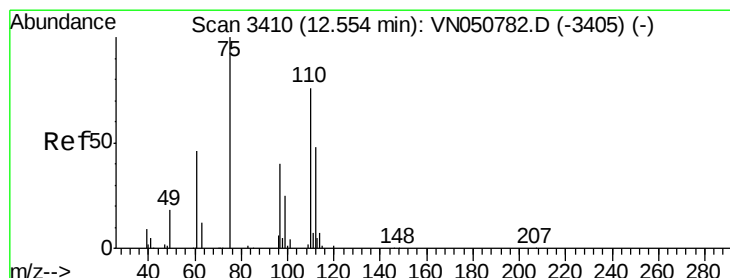
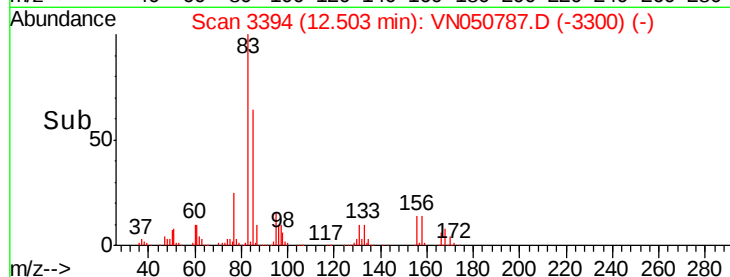
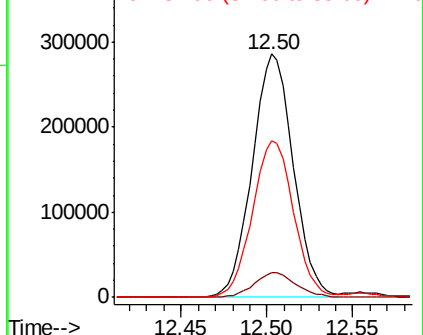
83 100

131 10.4 5.3 15.9

85 64.3 31.9 95.7



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: 68.499 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050787.D

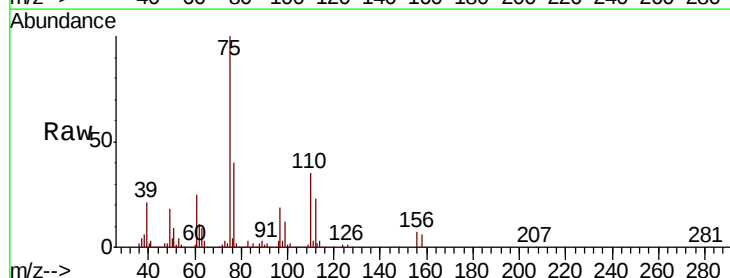
Acq: 21 Aug 2018 14:32

Tgt Ion: 75 Resp: 567784

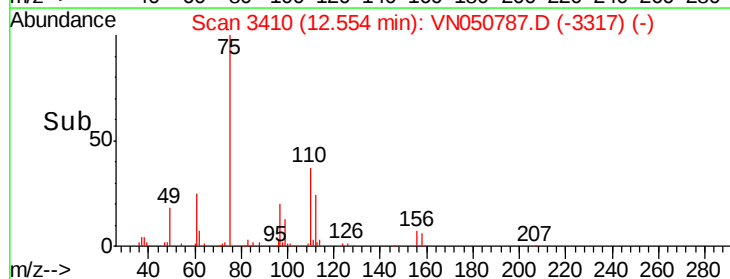
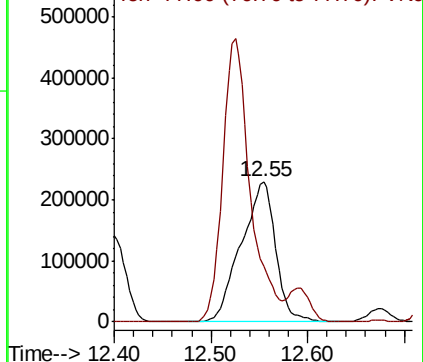
Ion Ratio Lower Upper

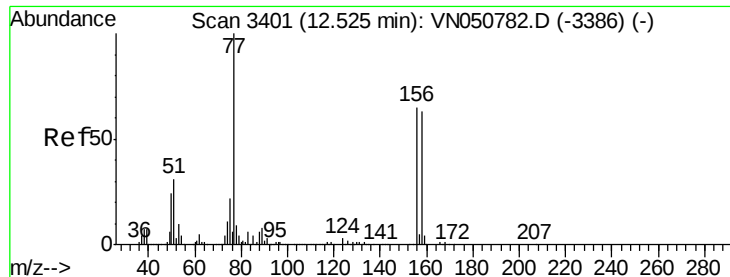
75 100

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: 49.050 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVFN082118

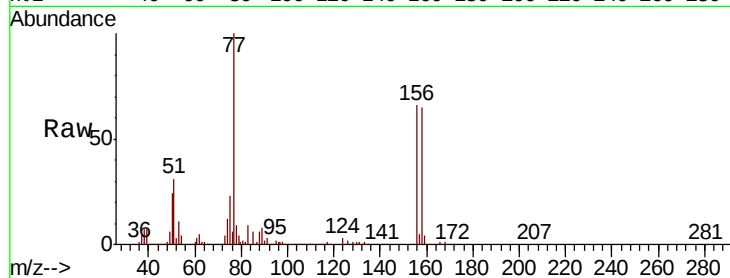
Tot Ion:156 Resp: 522374

Ion Ratio Lower Upper

156 100

77 176.2 89.9 269.7

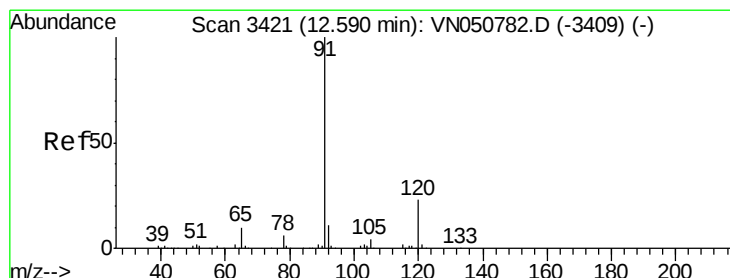
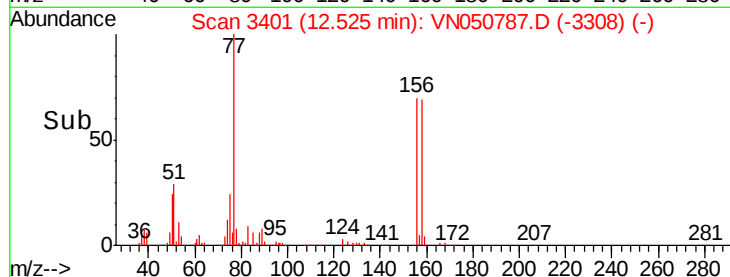
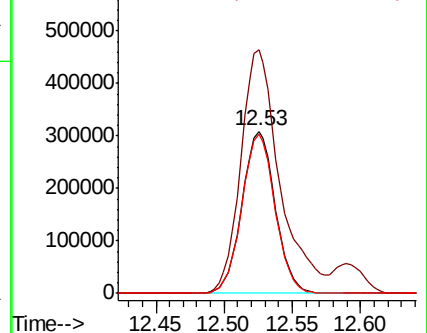
158 97.9 49.3 147.9



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: 54.629 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050787.D

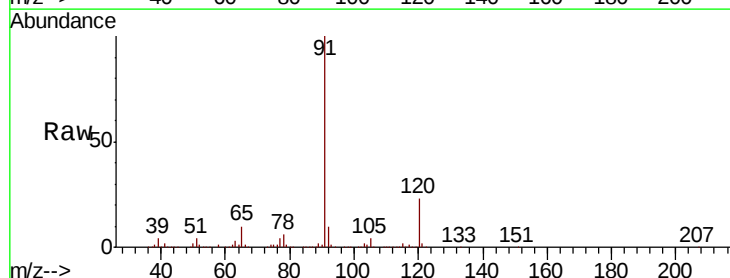
Acq: 21 Aug 2018 14:32

Tgt Ion: 91 Resp: 2391382

Ion Ratio Lower Upper

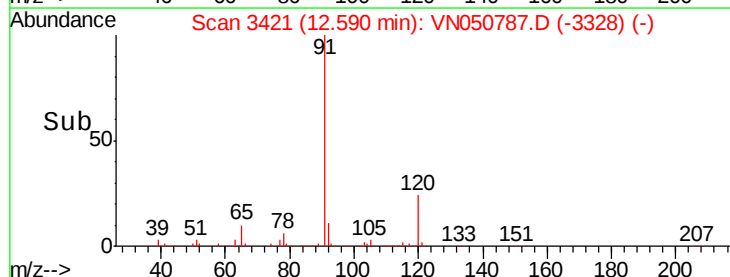
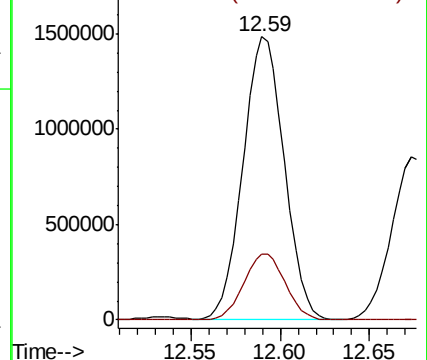
91 100

120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.464 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

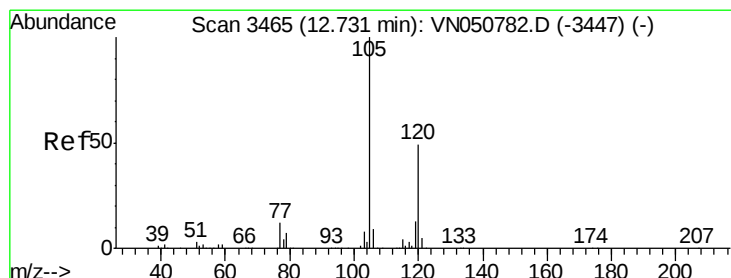
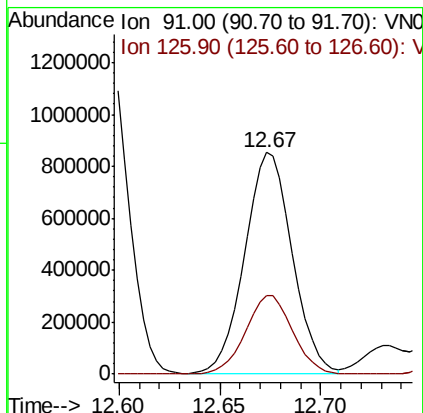
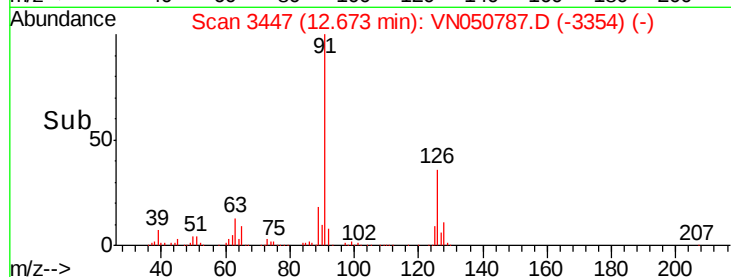
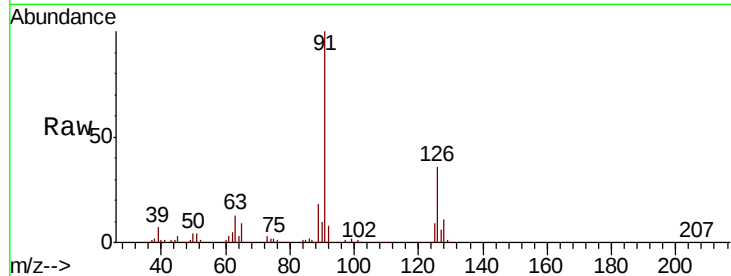
ICVFN082118

Tot Ion: 91 Resp: 1403282

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 53.932 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050787.D

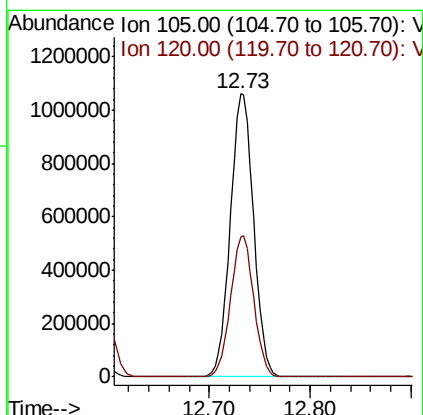
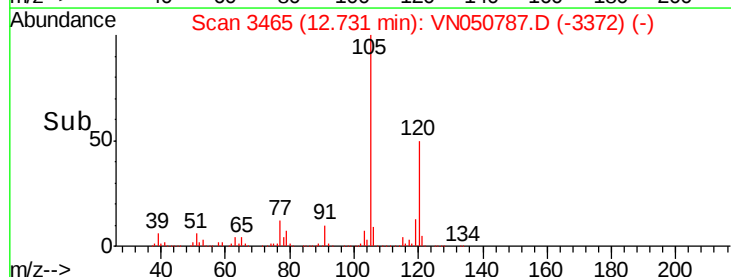
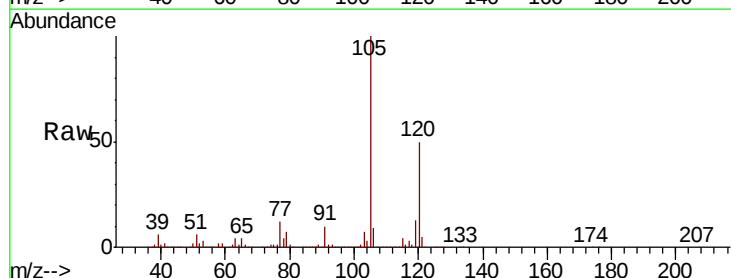
Acq: 21 Aug 2018 14:32

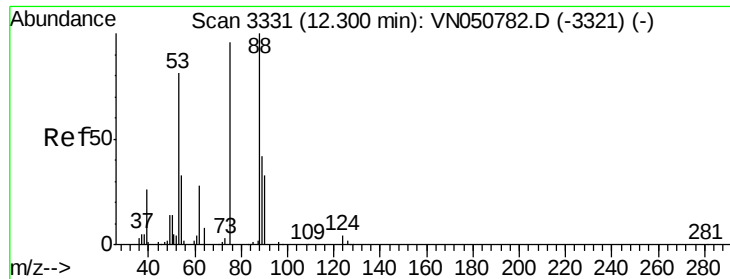
Tgt Ion:105 Resp: 1705280

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0

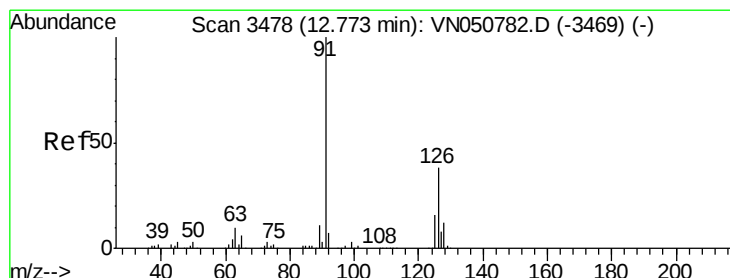
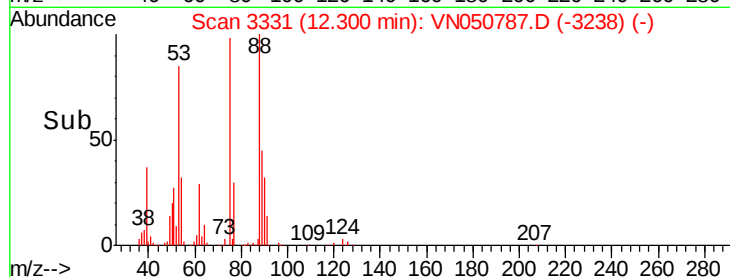
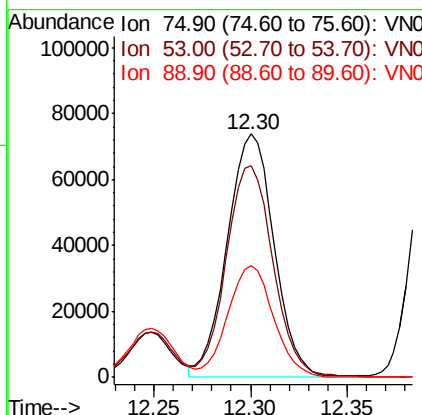
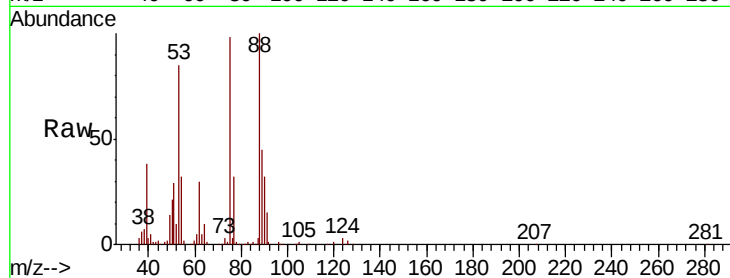




#81
trans-1,4-Dichloro-2-butene
Concen: 50.841 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

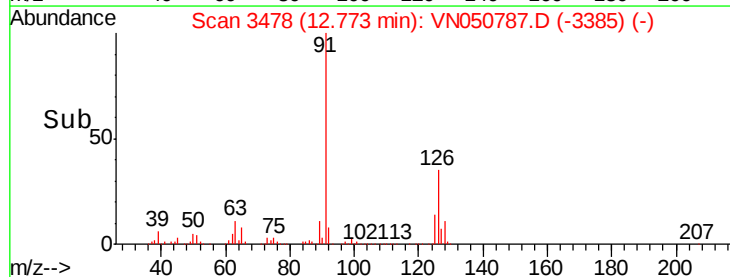
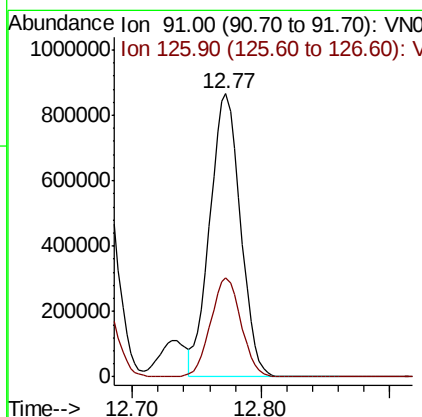
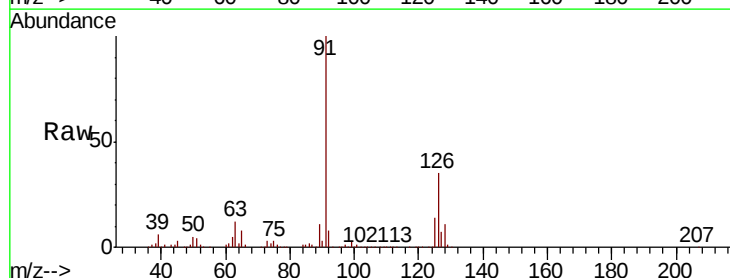
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

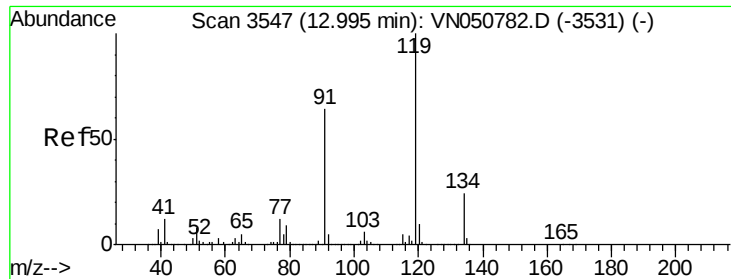
Tot Ion: 75 Resp: 124659
Ion Ratio Lower Upper
75 100
53 86.5 68.9 103.3
89 44.9 36.1 54.1



#82
4-Chlorotoluene
Concen: 52.886 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 91 Resp: 1423617
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.5

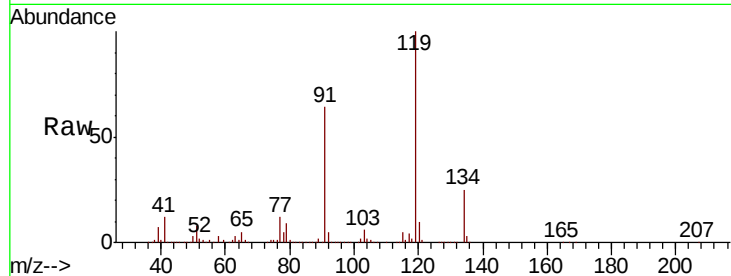




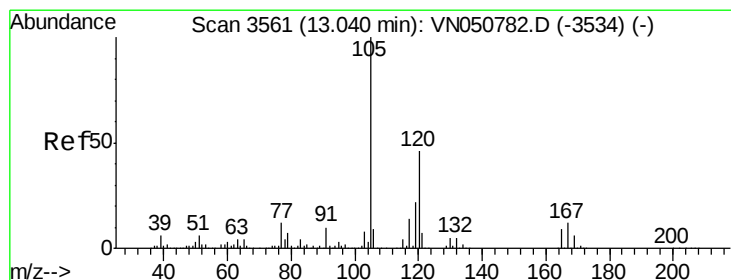
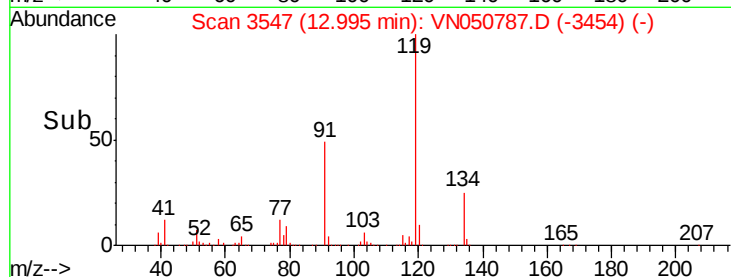
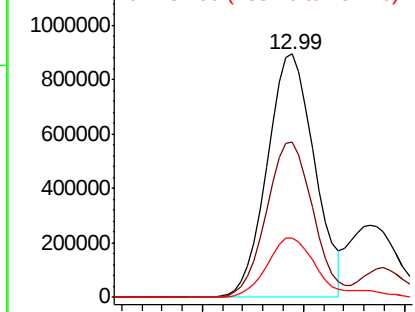
#83
 tert-Butylbenzene
 Concen: 53.105 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion:119 Resp: 1454213
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 94.7
 134 26.9 13.4 40.1

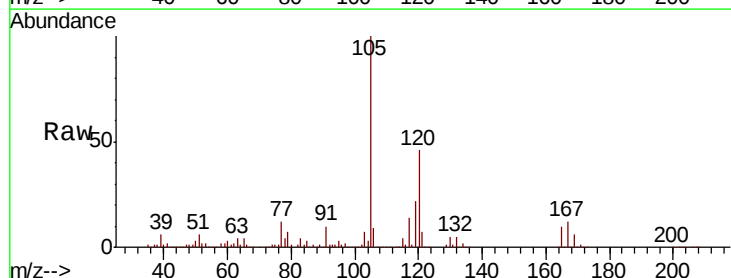


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

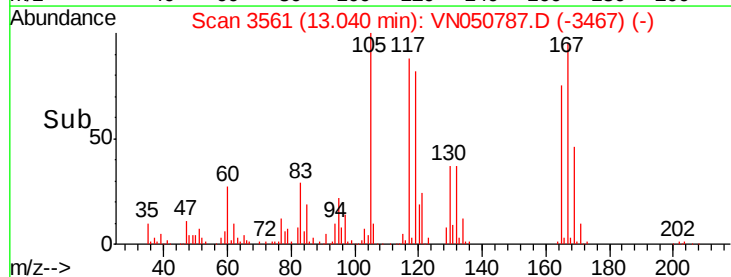
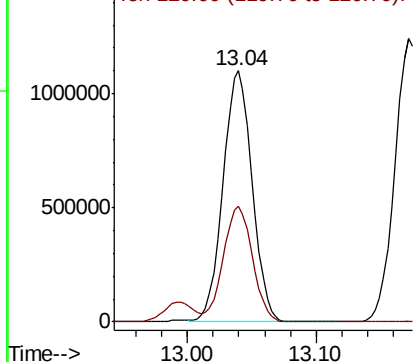


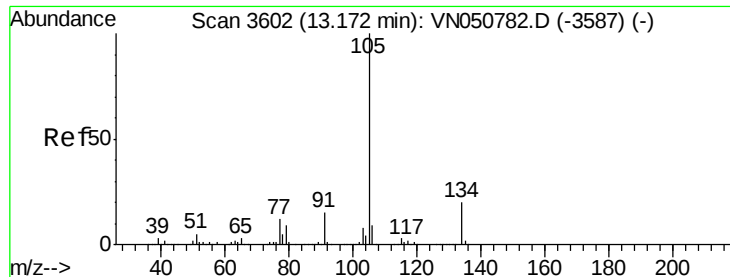
#84
 1,2,4-Trimethylbenzene
 Concen: 53.993 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion:105 Resp: 1717277
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.106 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

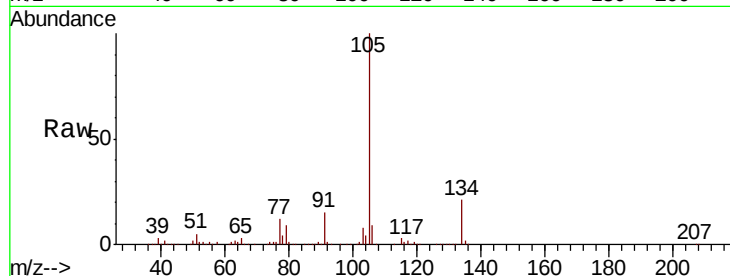
ICVVN082118

Tot Ion:105 Resp: 1941442

Ion Ratio Lower Upper

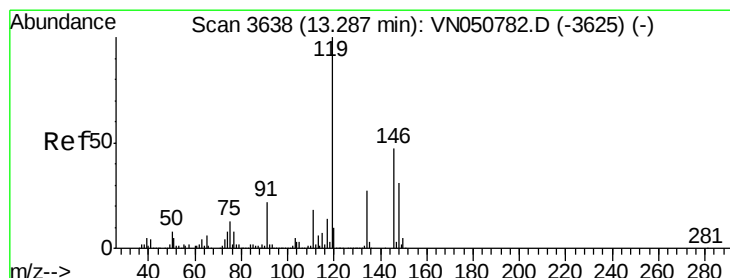
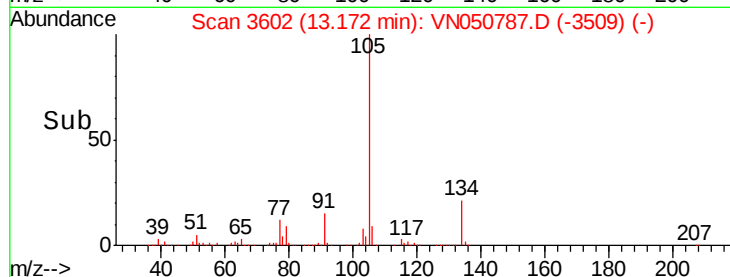
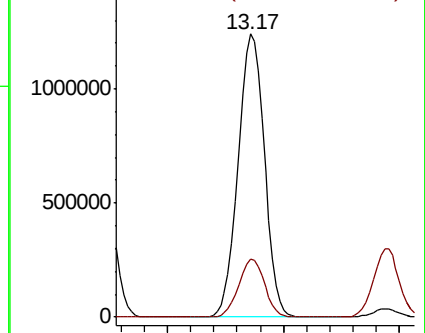
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.964 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

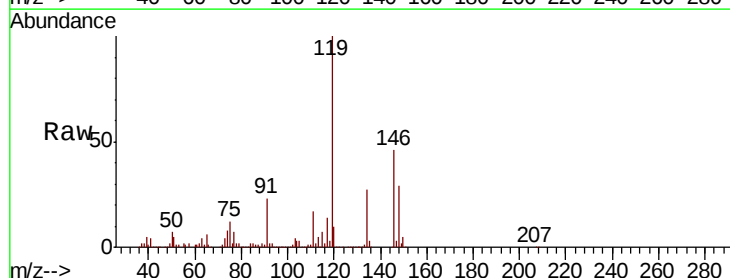
Tgt Ion:119 Resp: 1711080

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

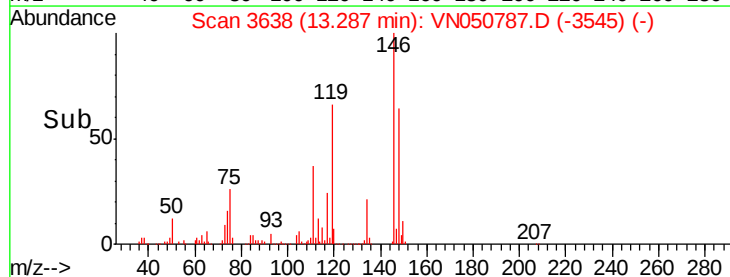
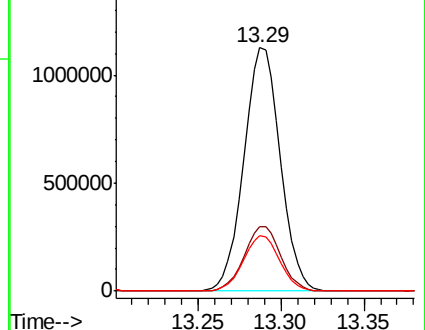
91 22.6 11.2 33.5



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: 50.752 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

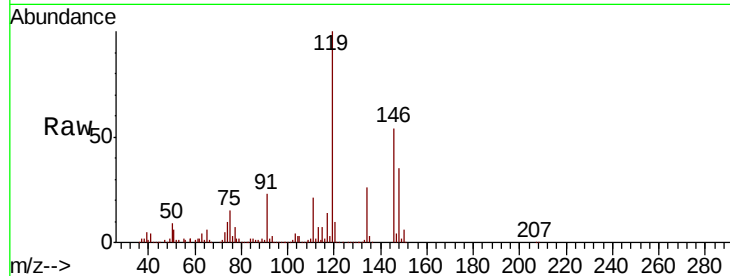
Tot Ion:146 Resp: 917232

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

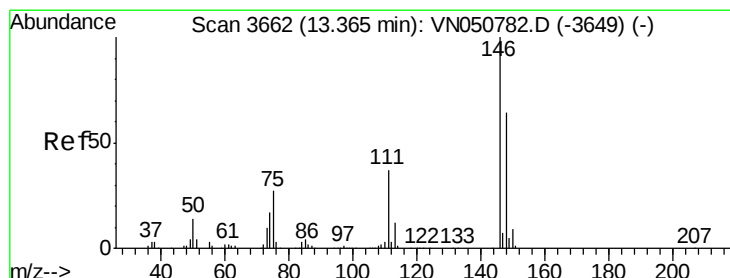
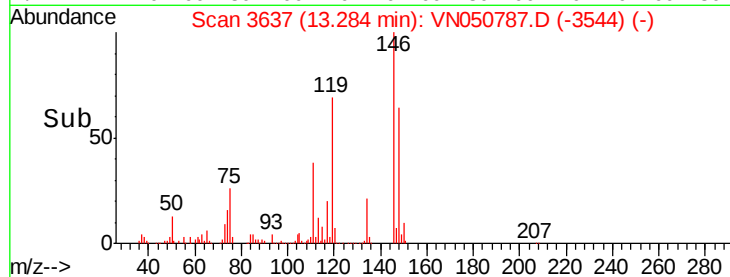
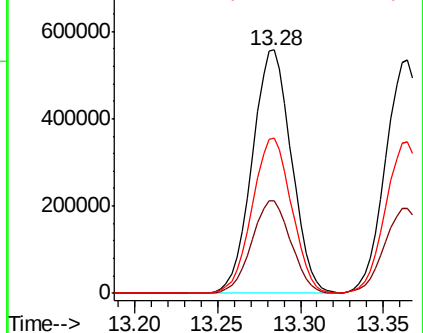
148 64.1 32.2 96.6



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: 49.507 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

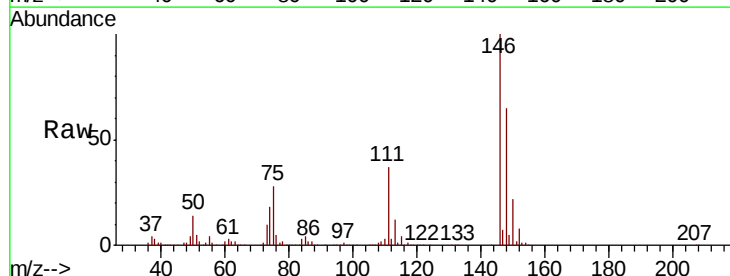
Tgt Ion:146 Resp: 880578

Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

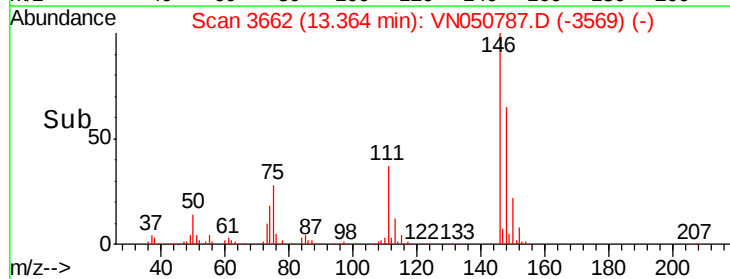
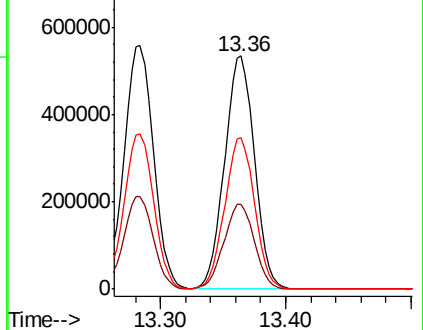
148 65.0 32.2 96.6



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

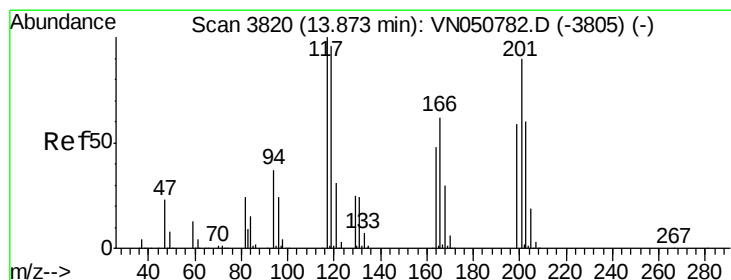
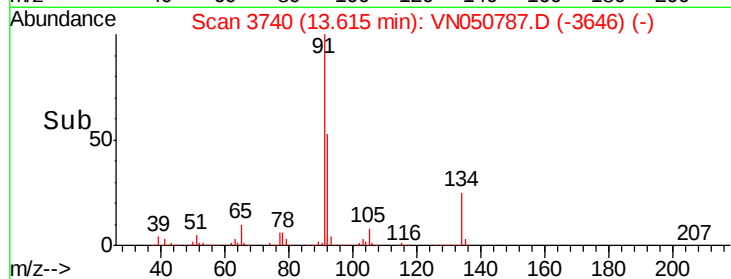
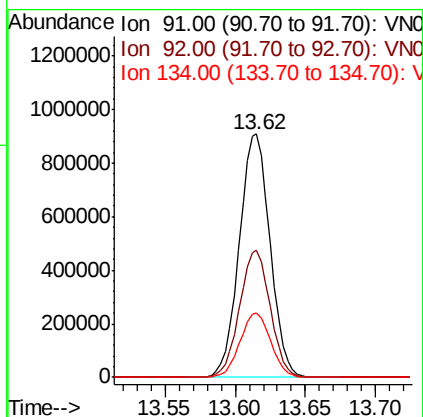
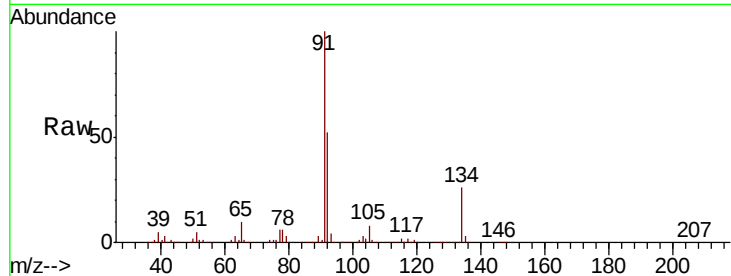




#89
n-Butylbenzene
Concen: 56.823 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

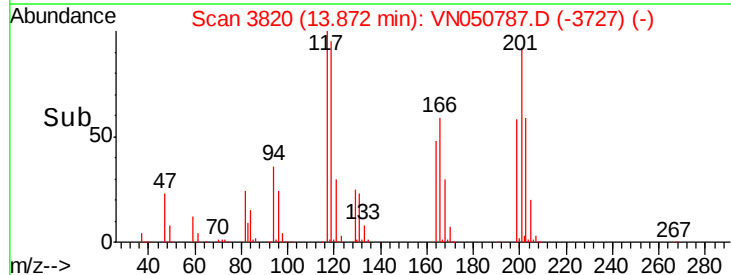
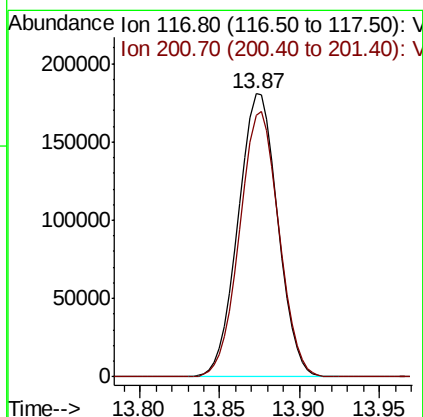
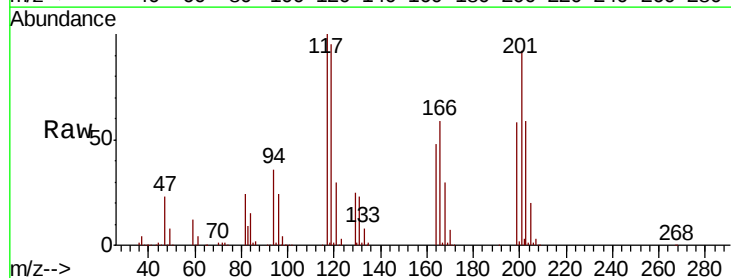
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

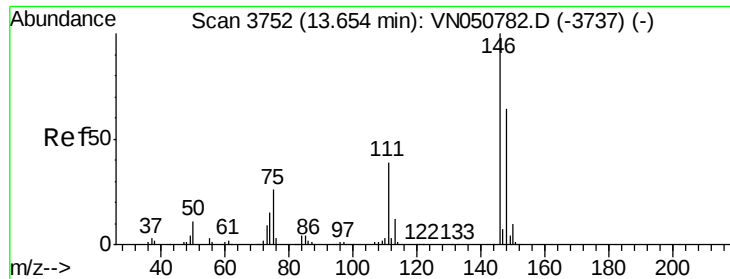
Tot Ion: 91 Resp: 1389526
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 52.340 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 117 Resp: 305041
Ion Ratio Lower Upper
117 100
201 92.7 46.0 137.8

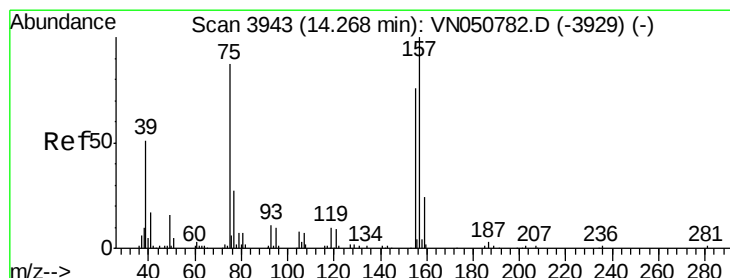
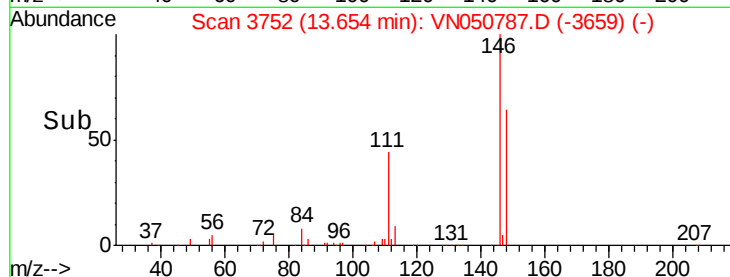
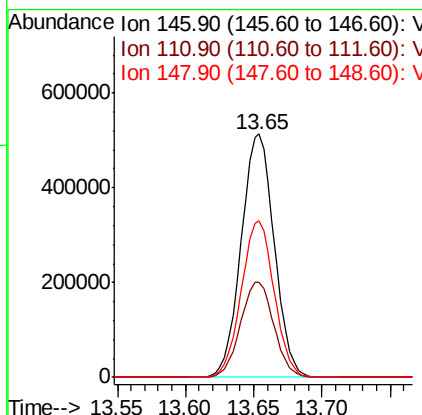
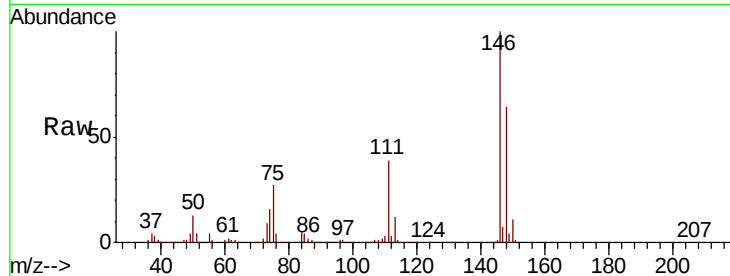




#91
 1,2-Dichlorobenzene
 Concen: 49.447 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

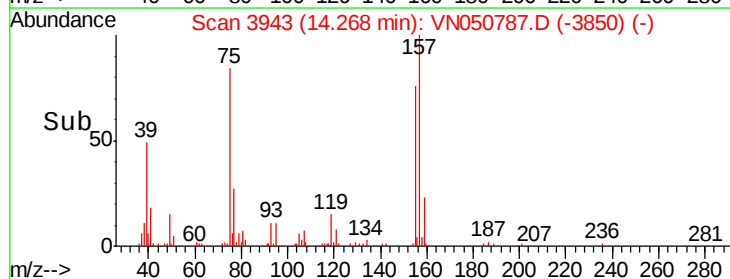
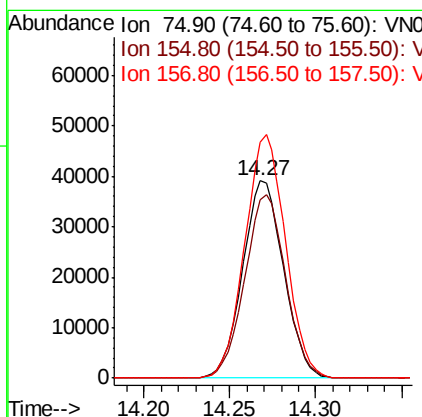
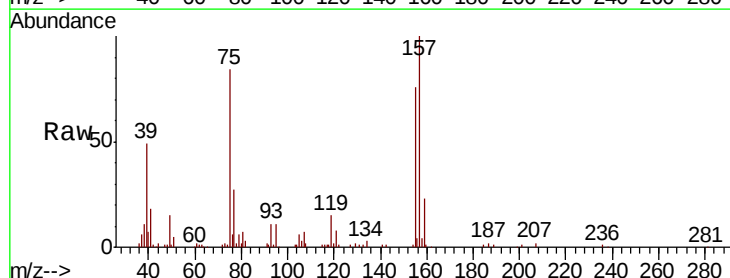
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

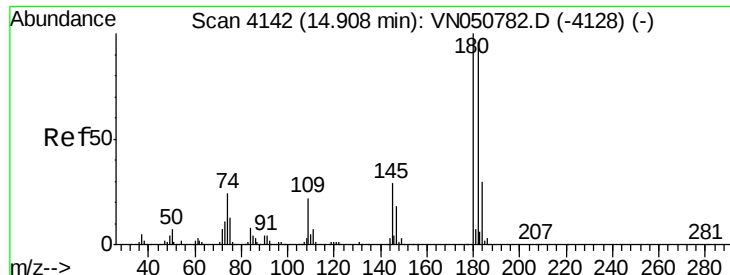
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.028 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.4	139.1
157	122.3	60.7	182.0

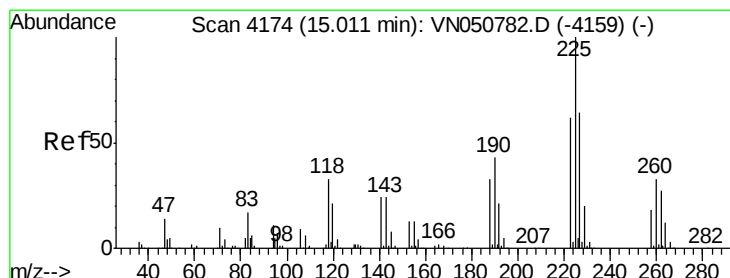
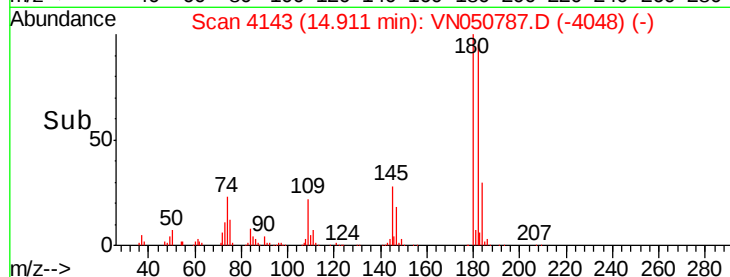
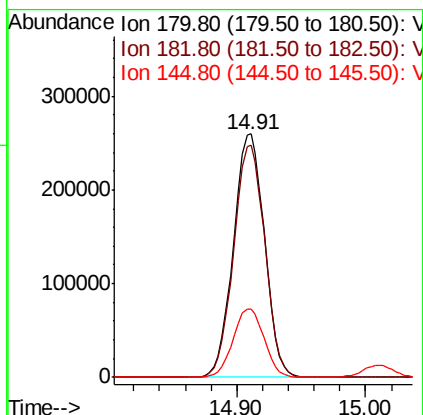
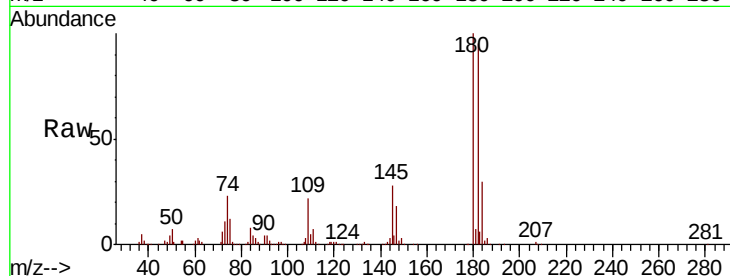




#93
 1,2,4-Trichlorobenzene
 Concen: 48.050 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

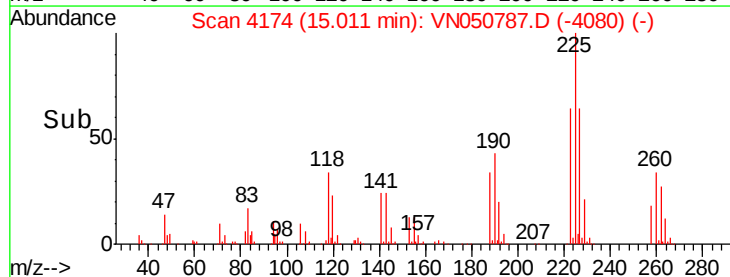
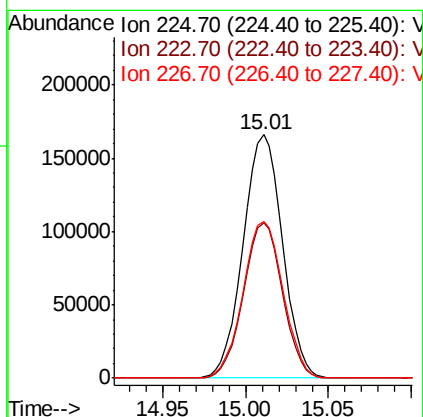
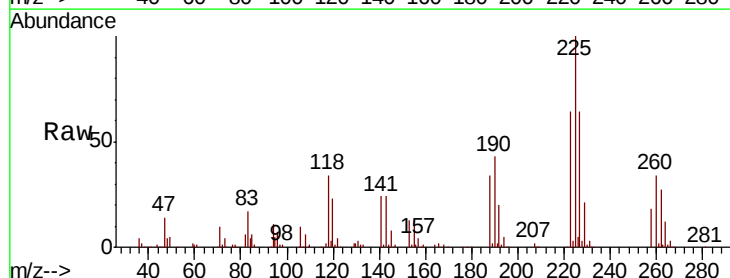
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	28.0	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 53.094 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	65.5	32.0	96.2





#95

Naphthalene

Concen: 44.272 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

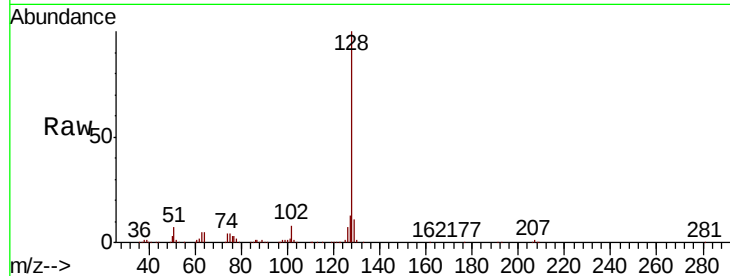
Tot Ion:128 Resp: 823984

Ion Ratio Lower Upper

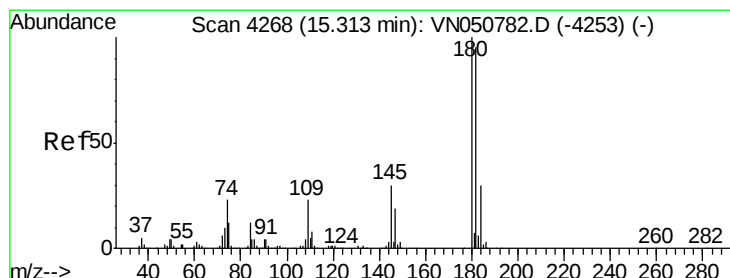
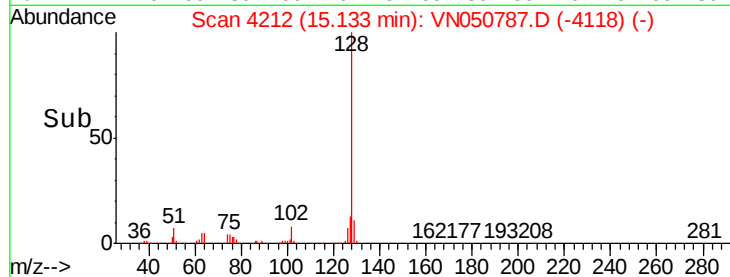
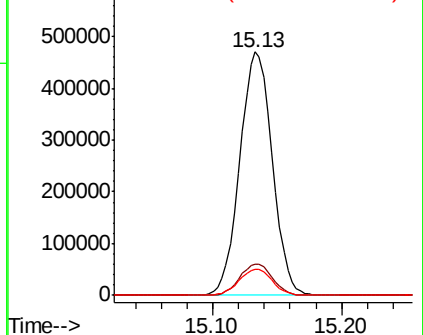
128 100

127 13.1 10.5 15.7

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.591 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

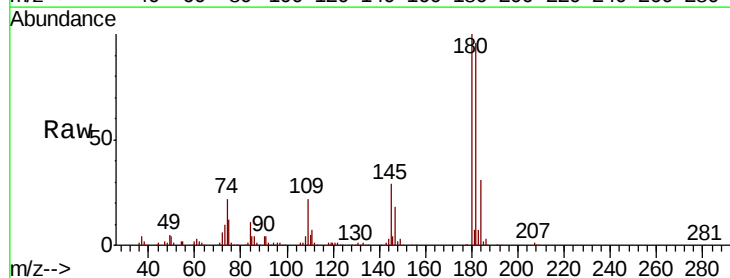
Tgt Ion:180 Resp: 412309

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

145 29.6 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

