

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049786.D
 Acq On : 12 Jul 2018 22:45
 Operator : MD\SY
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1239226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1823704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1670300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	884226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	680048	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	648090	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	10.09	98	2175242	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.40	95	805738	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	511626	47.599	ug/l 96
3) Chloromethane	2.06	50	667103	46.861	ug/l 99
4) Vinyl Chloride	2.18	62	760396	48.350	ug/l 100
5) Bromomethane	2.56	94	468286	48.020	ug/l 96
6) Chloroethane	2.70	64	503847	45.710	ug/l 98
7) Trichlorofluoromethane	3.01	101	1064152	45.288	ug/l 98
8) Diethyl Ether	3.41	74	382805	45.464	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	673078	44.133	ug/l 99
10) Methyl Iodide	3.95	142	970092	50.044	ug/l 100
11) Tert butyl alcohol	4.80	59	224603	232.792	ug/l 99
12) 1,1-Dichloroethene	3.74	96	606430	45.254	ug/l 99
13) Acrolein	3.61	56	179988	212.392	ug/l 98
14) Allyl chloride	4.33	41	996455	45.565	ug/l 98
15) Acrylonitrile	5.00	53	1130538	233.978	ug/l 99
16) Acetone	3.82	43	776734	218.666	ug/l 99
17) Carbon Disulfide	4.05	76	1600082	46.582	ug/l 99
18) Methyl Acetate	4.33	43	575129	47.734	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	1788747	48.120	ug/l 100
20) Methylene Chloride	4.55	84	719150	48.602	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	667165	45.548	ug/l 99
22) Diisopropyl ether	5.96	45	2213876	49.282	ug/l 96
23) Vinyl Acetate	5.90	43	7328241	243.425	ug/l 100
24) 1,1-Dichloroethane	5.85	63	1302666	46.158	ug/l 99
25) 2-Butanone	6.84	43	1265027	225.187	ug/l 98
26) 2,2-Dichloropropane	6.83	77	959079	40.946	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	790247	47.174	ug/l 97
28) Bromochloromethane	7.20	49	614102	47.842	ug/l 99
29) Tetrahydrofuran	7.22	42	829707	235.203	ug/l 99
30) Chloroform	7.37	83	1343592	46.205	ug/l 99
31) Cyclohexane	7.66	56	1057202	47.052	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	1142088	46.245	ug/l 99
36) 1,1-Dichloropropene	7.80	75	965978	45.964	ug/l 100
37) Ethyl Acetate	6.93	43	581290	46.729	ug/l 100
38) Carbon Tetrachloride	7.78	117	1001349	45.579	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049786.D
 Acq On : 12 Jul 2018 22:45
 Operator : MD\SY
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1012227	45.695	ug/l	98
40) Benzene	8.04	78	2944767	46.840	ug/l	99
41) Methacrylonitrile	7.17	41	315337	44.814	ug/l	95
42) 1,2-Dichloroethane	8.13	62	948008	46.099	ug/l	100
43) Isopropyl Acetate	8.17	43	1051335	47.019	ug/l	96
44) Trichloroethene	8.84	130	770524	45.517	ug/l	99
45) 1,2-Dichloropropane	9.12	63	797173	47.182	ug/l	100
46) Dibromomethane	9.21	93	463857	46.225	ug/l	99
47) Bromodichloromethane	9.40	83	1036254	46.895	ug/l	99
48) Methyl methacrylate	9.20	41	540530	48.351	ug/l	98
49) 1,4-Dioxane	9.20	88	137034	935.501	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2954904	243.398	ug/l	100
52) Toluene	10.16	92	1828377	48.593	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1000818	47.086	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1163031	48.040	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	678854	47.654	ug/l	99
56) Ethyl methacrylate	10.43	69	861762	50.740	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1131355	47.197	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2069353	254.051	ug/l	100
59) 2-Hexanone	10.75	43	1932824	239.486	ug/l	100
60) Dibromochloromethane	10.90	129	792806	48.099	ug/l	99
61) 1,2-Dibromoethane	11.01	107	647878	47.315	ug/l	99
64) Tetrachloroethene	10.63	164	696129	45.901	ug/l	98
65) Chlorobenzene	11.44	112	2029122	46.632	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	782438	47.793	ug/l	99
67) Ethyl Benzene	11.51	91	3474855	48.766	ug/l	99
68) m/p-Xylenes	11.62	106	2665045	99.648	ug/l	99
69) o-Xylene	11.95	106	1298179	50.246	ug/l	98
70) Styrene	11.97	104	2141028	52.169	ug/l	100
71) Bromoform	12.13	173	531291	48.031	ug/l #	100
73) Isopropylbenzene	12.25	105	3472929	47.260	ug/l	100
74) N-amyl acetate	12.07	43	935589	48.940	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	829139	48.920	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1003390	63.877	ug/l #	100
77) Bromobenzene	12.53	156	888956	45.600	ug/l	99
78) n-propylbenzene	12.59	91	3992442	48.187	ug/l	100
79) 2-Chlorotoluene	12.68	91	2376135	46.861	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2841913	48.664	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229038	47.087	ug/l	98
82) 4-Chlorotoluene	12.77	91	2397953	47.681	ug/l	100
83) tert-Butylbenzene	12.99	119	2478146	47.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2905803	49.616	ug/l	100
85) sec-Butylbenzene	13.17	105	3312689	48.376	ug/l	100
86) p-Isopropyltoluene	13.29	119	2894226	49.946	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1567388	46.373	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1531430	46.606	ug/l	99
89) n-Butylbenzene	13.62	91	2354626	49.222	ug/l	100
90) Hexachloroethane	13.88	117	537609	47.910	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1545510	46.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	121387	46.704	ug/l	97

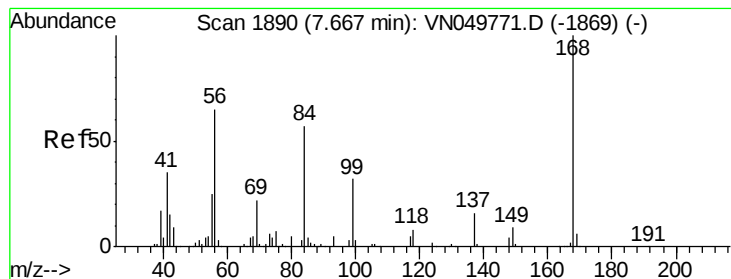
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
Data File : VN049786.D
Acq On : 12 Jul 2018 22:45
Operator : MD\SY
Sample : VSTDCCC050EC
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 13 03:46:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	809096	44.957	ug/l	100
94) Hexachlorobutadiene	15.01	225	479504	47.442	ug/l	100
95) Naphthalene	15.14	128	1683511	43.616	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	797039	49.823	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

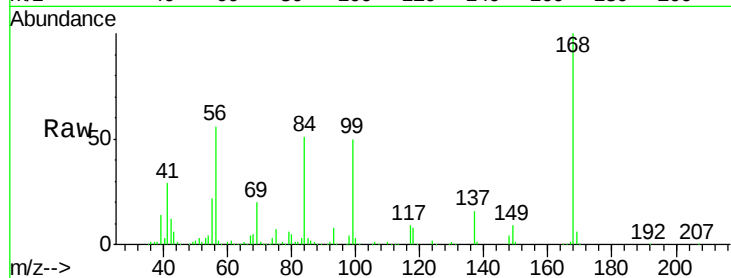
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1239226

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

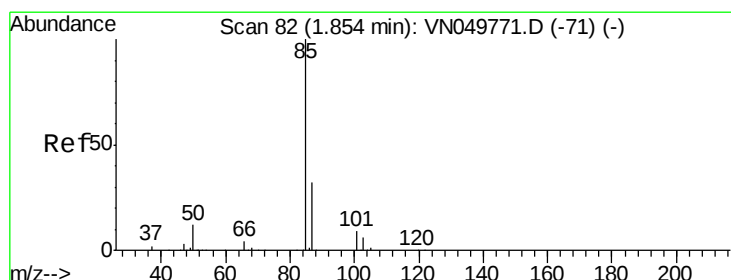
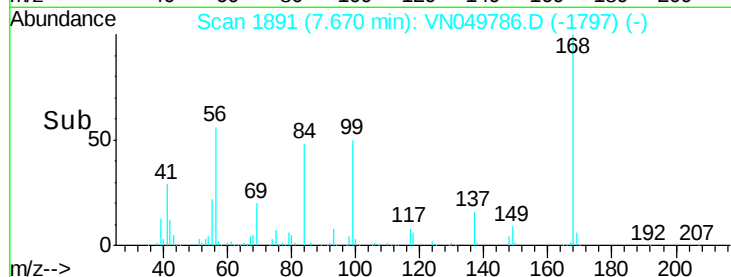
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.599 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049786.D

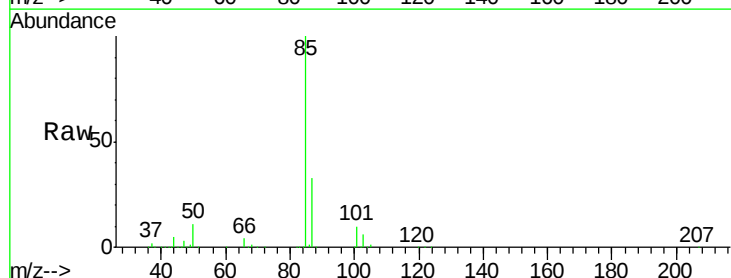
Acq: 12 Jul 2018 22:45

Tgt Ion: 85 Resp: 511626

Ion Ratio Lower Upper

85 100

87 32.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

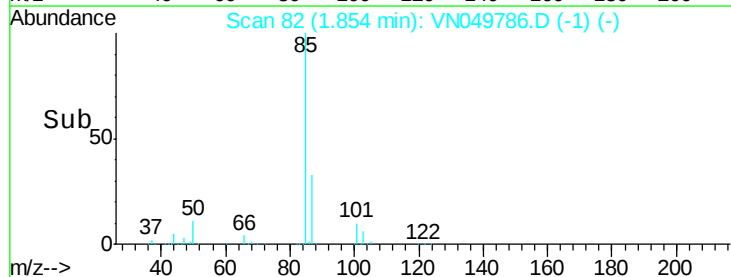
300000

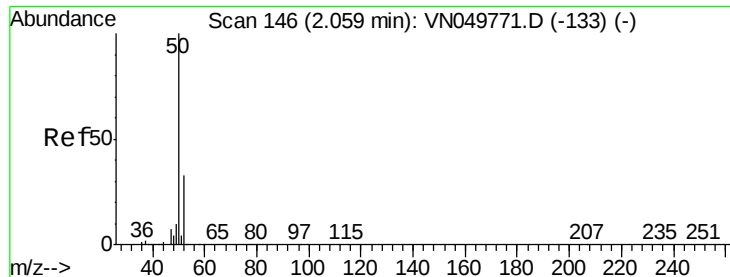
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.861 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

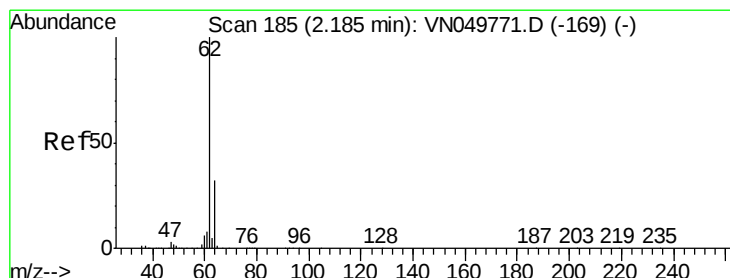
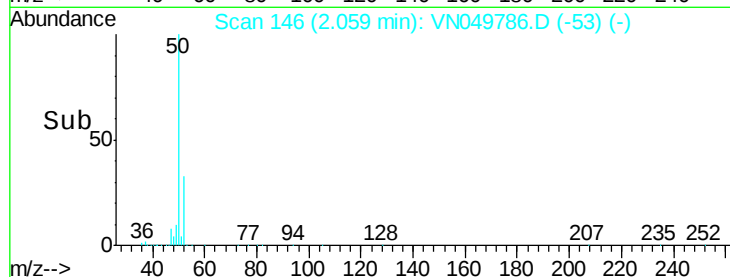
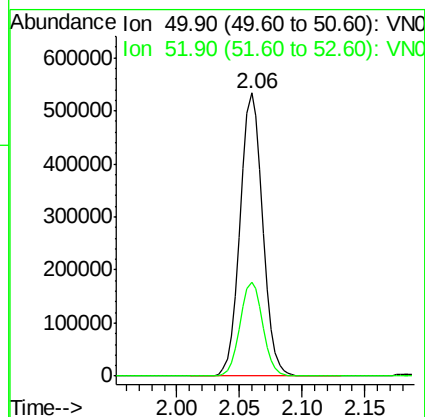
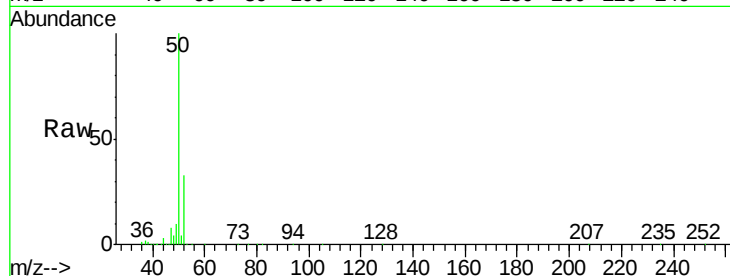
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 667103

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 48.350 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049786.D

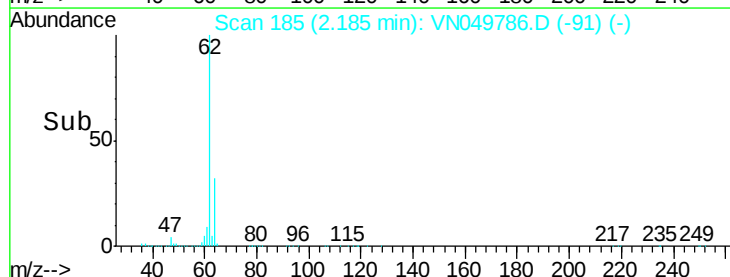
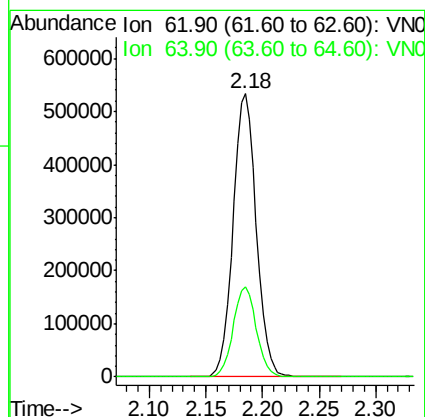
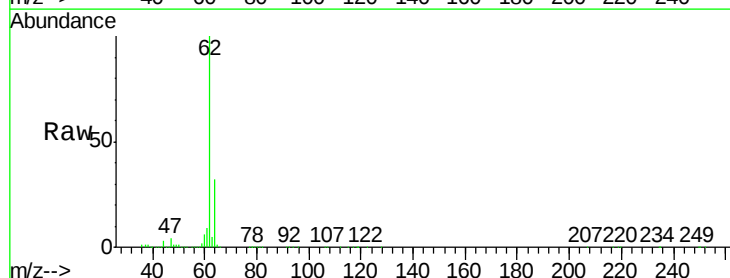
Acq: 12 Jul 2018 22:45

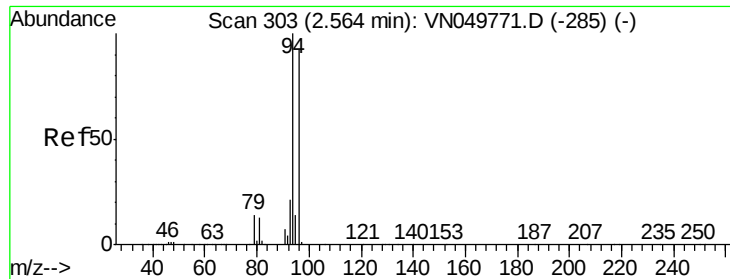
Tgt Ion: 62 Resp: 760396

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 48.020 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

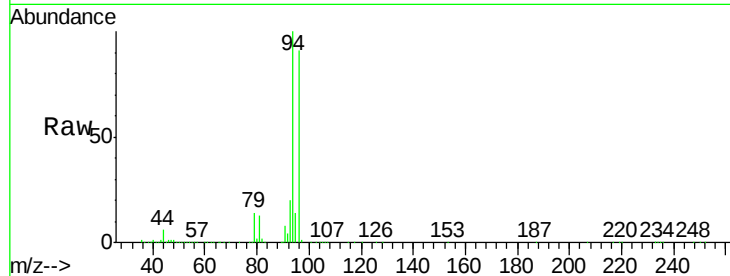
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 468286

Ion Ratio Lower Upper

94 100

96 91.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049786.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049786.D (-210) (-)

2.56

250000

200000

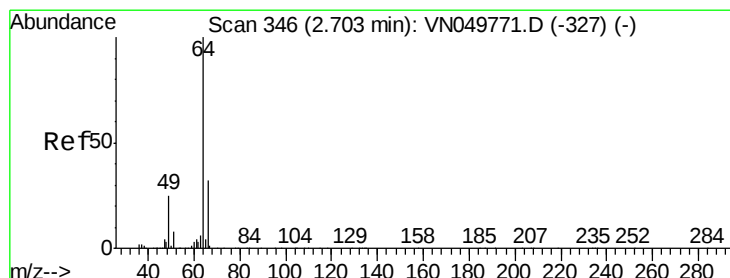
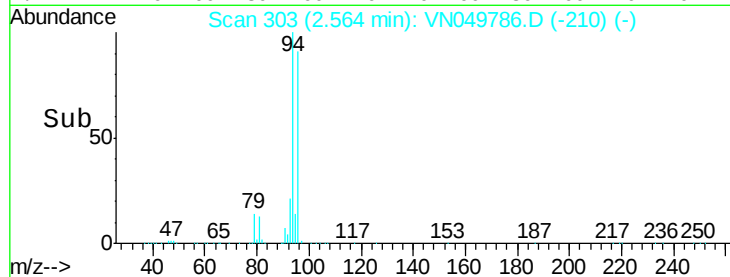
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.710 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049786.D

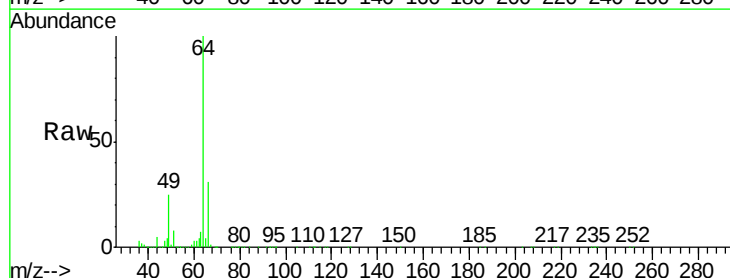
Acq: 12 Jul 2018 22:45

Tgt Ion: 64 Resp: 503847

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049786.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049786.D (-253) (-)

2.70

300000

250000

200000

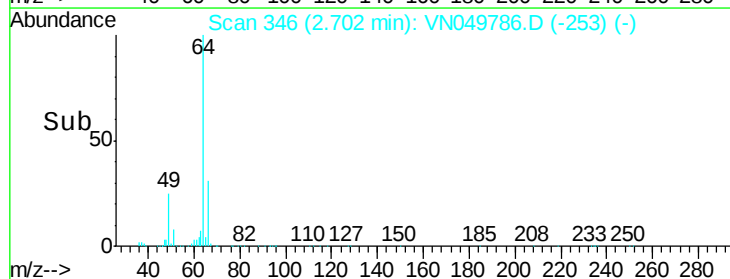
150000

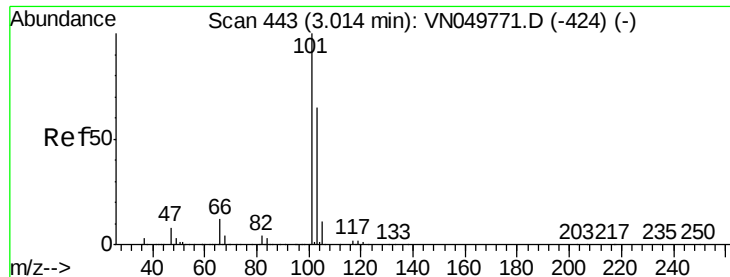
100000

50000

0

Time-->



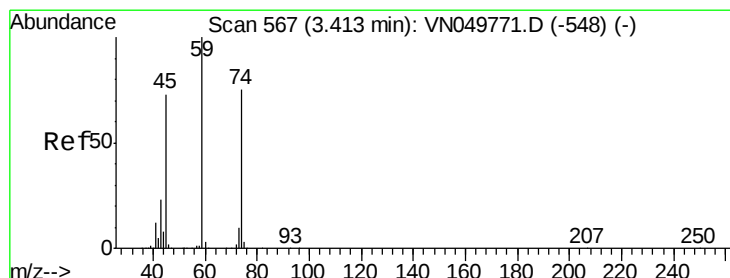
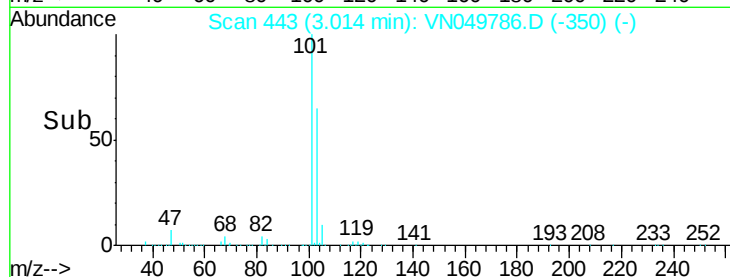
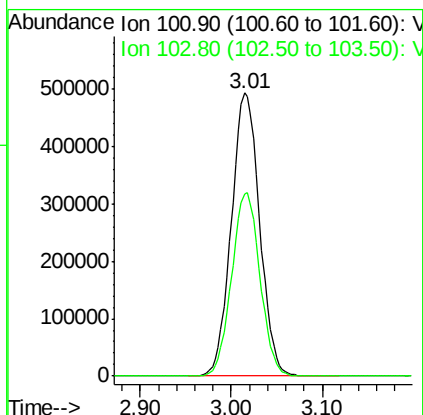
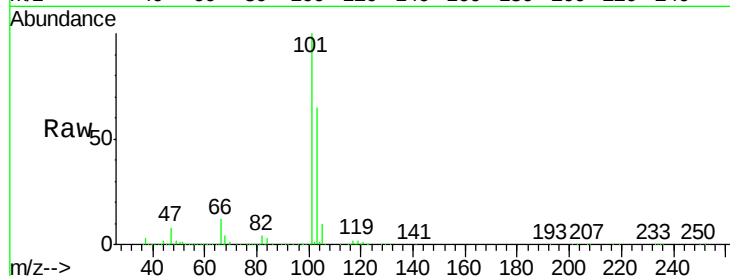


#7

Trichlorofluoromethane
Concen: 45.288 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :

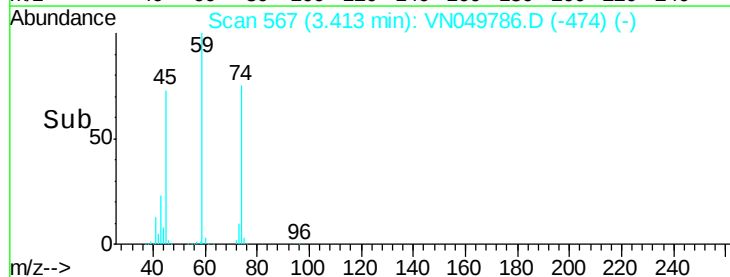
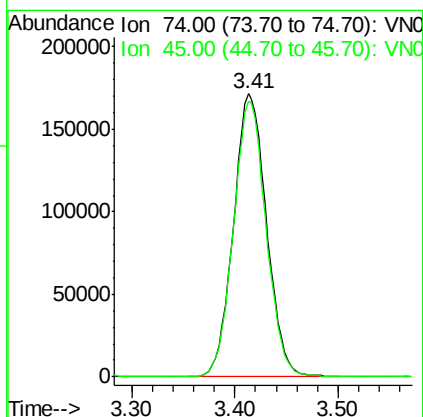
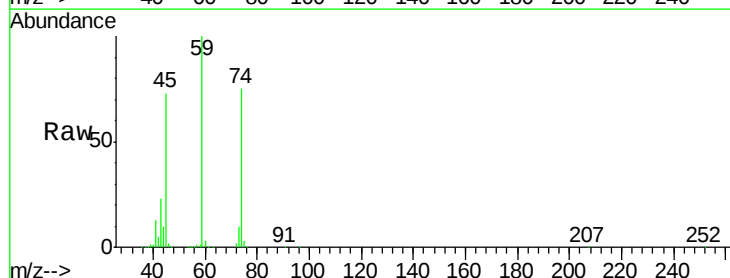
Tot Ion:101 Resp: 1064152
Ion Ratio Lower Upper
101 100
103 64.6 52.8 79.2

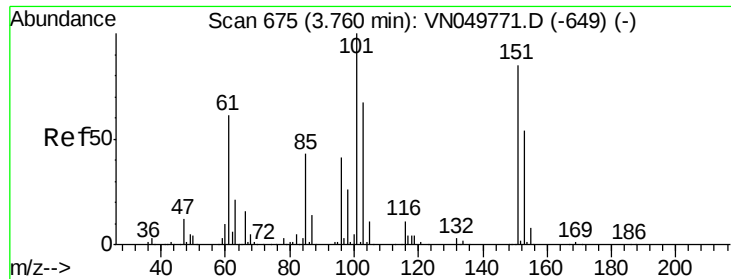


#8

Diethyl Ether
Concen: 45.464 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 74 Resp: 382805
Ion Ratio Lower Upper
74 100
45 96.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.133 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

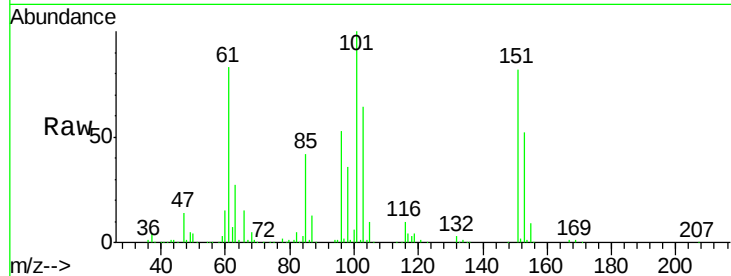
Tot Ion:101 Resp: 673078

Ion Ratio Lower Upper

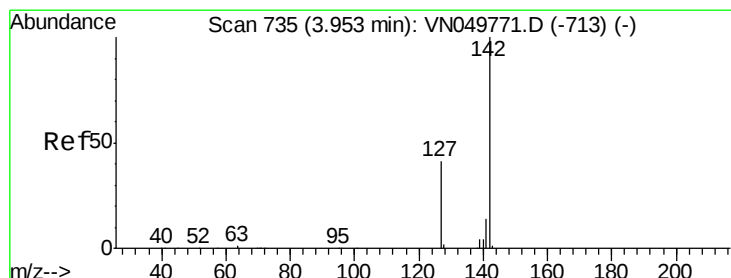
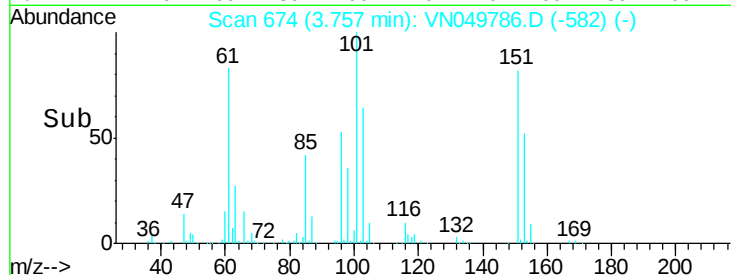
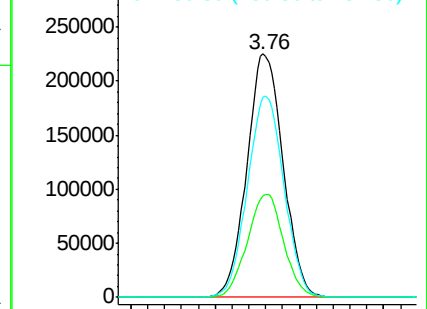
101 100

85 42.2 34.4 51.6

151 83.5 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.044 ug/l

RT: 3.95 min Scan# 735

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

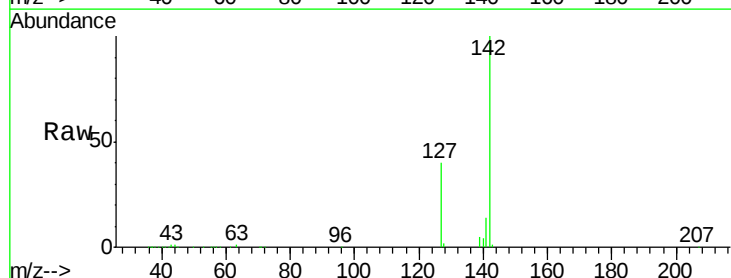
Tgt Ion:142 Resp: 970092

Ion Ratio Lower Upper

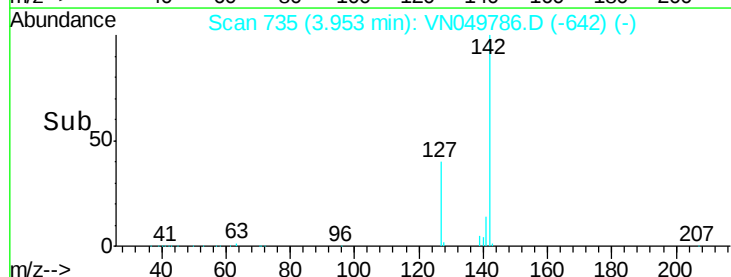
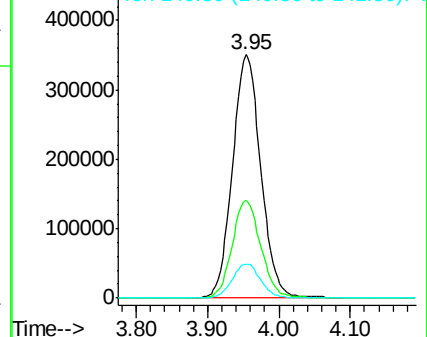
142 100

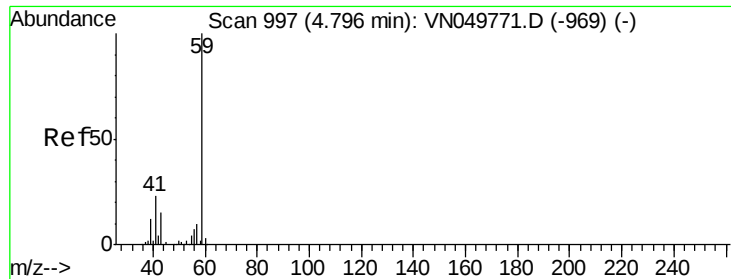
127 40.7 32.5 48.7

141 14.1 11.1 16.7



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



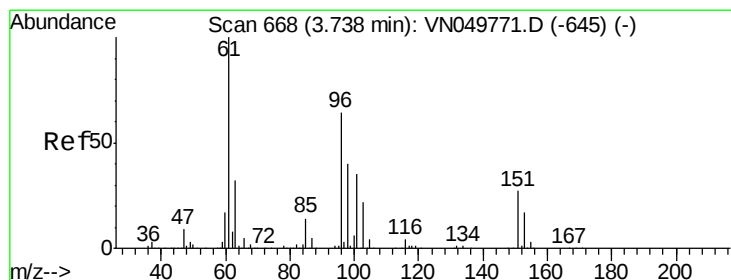
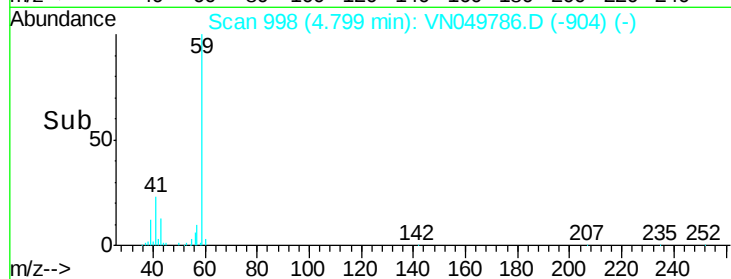
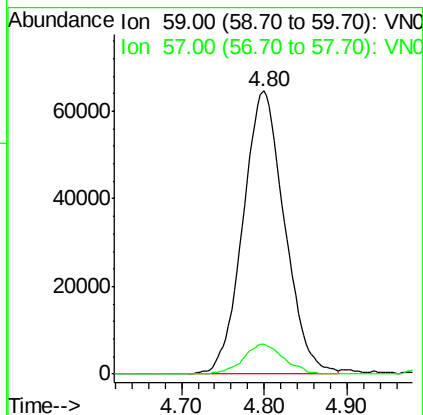
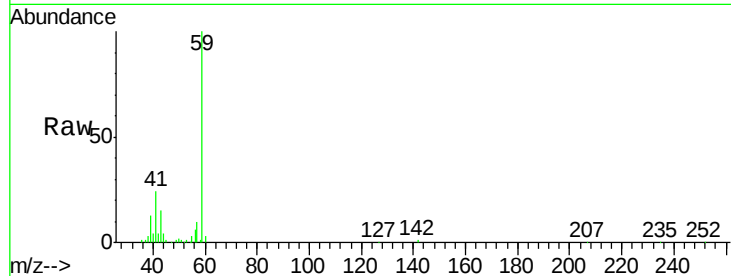


#11

Tert butyl alcohol
 Concen: 232.792 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :

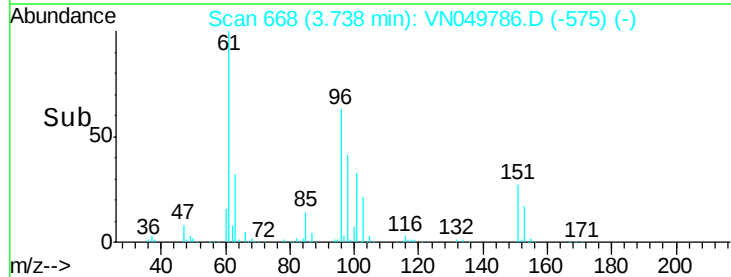
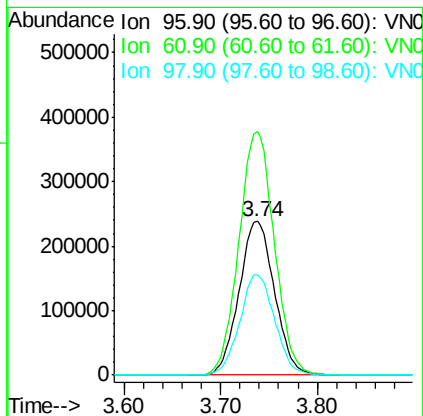
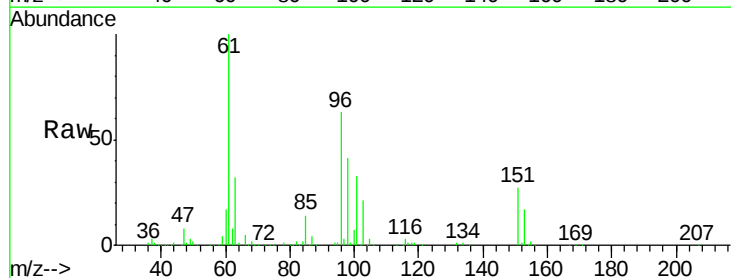
Tot Ion: 59 Resp: 224603
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

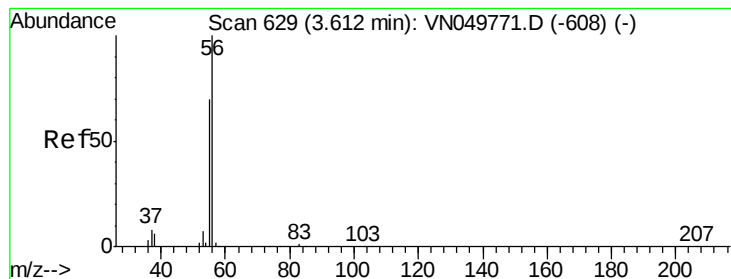


#12

1,1-Dichloroethene
 Concen: 45.254 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion: 96 Resp: 606430
 Ion Ratio Lower Upper
 96 100
 61 158.3 126.5 189.7
 98 65.5 51.0 76.6





#13

Acrolein

Concen: 212.392 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

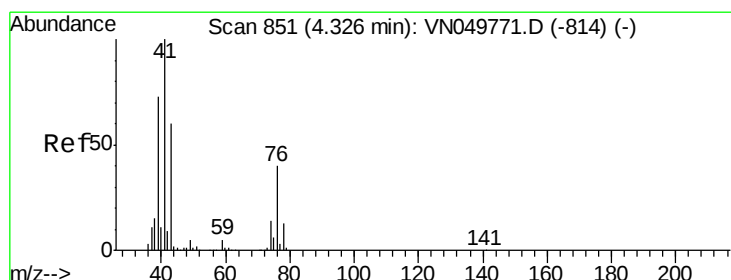
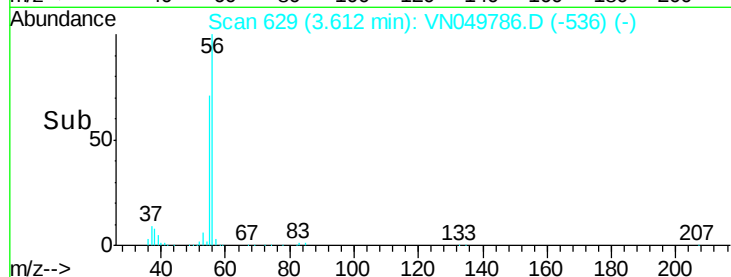
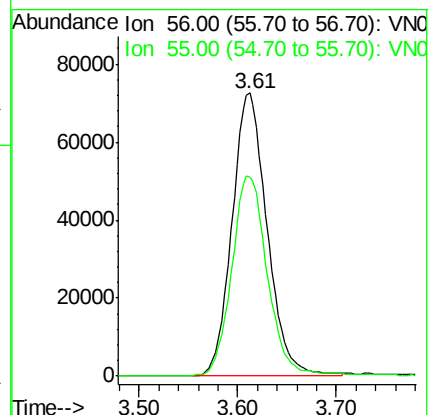
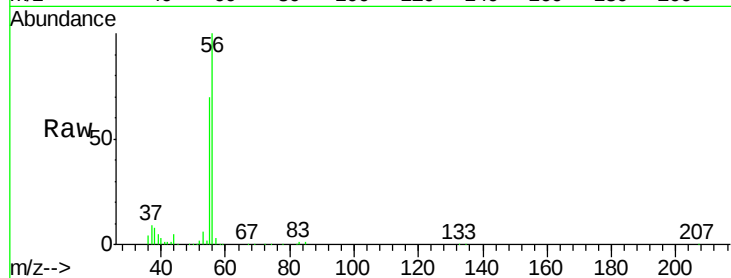
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 179988

Ion Ratio Lower Upper

56 100

55 71.4 55.8 83.8



#14

Allyl chloride

Concen: 45.565 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

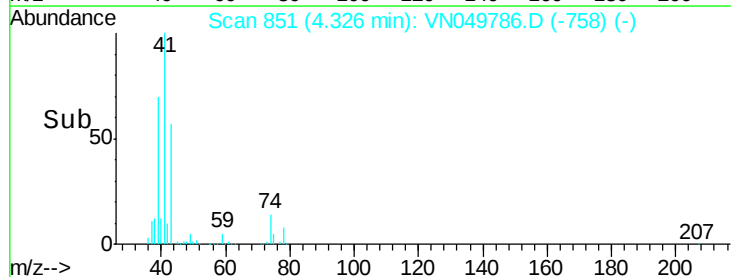
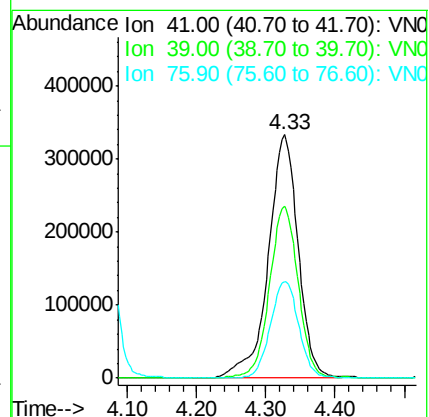
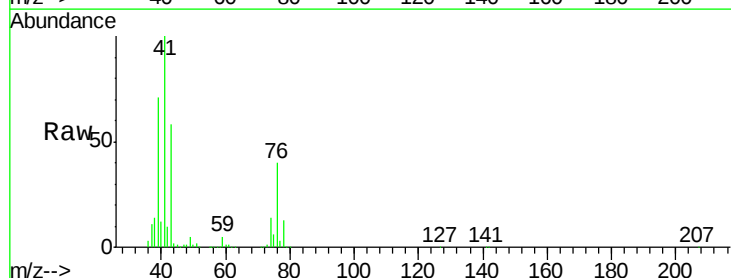
Tgt Ion: 41 Resp: 996455

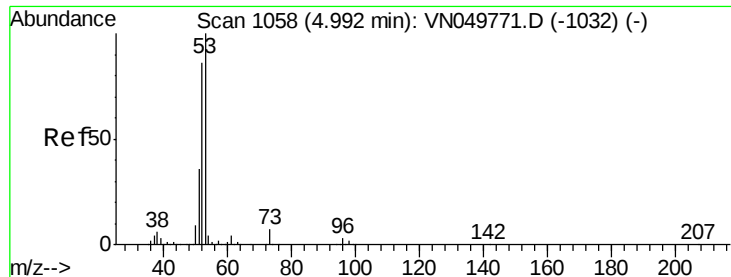
Ion Ratio Lower Upper

41 100

39 68.0 53.2 79.8

76 37.4 29.0 43.6





#15

Acrylonitrile

Concen: 233.978 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

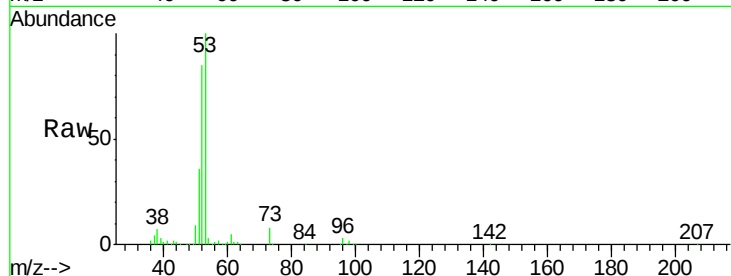
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1130538

Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.8	97.2
51	36.1	28.9	43.3

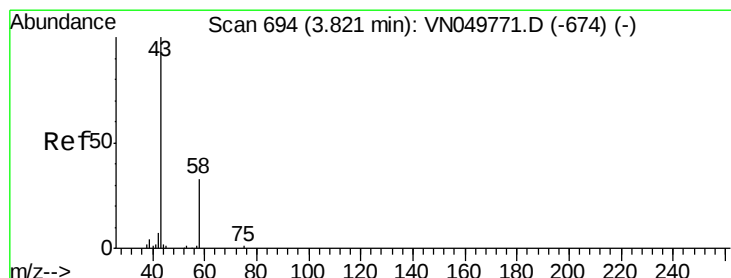
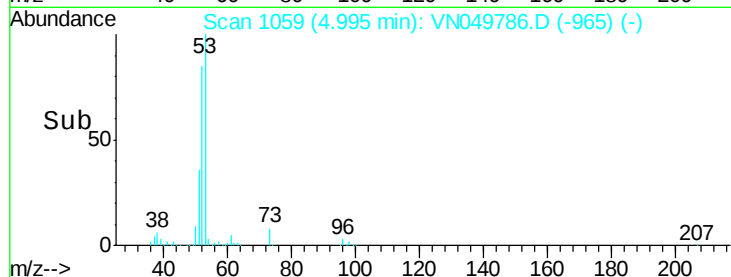
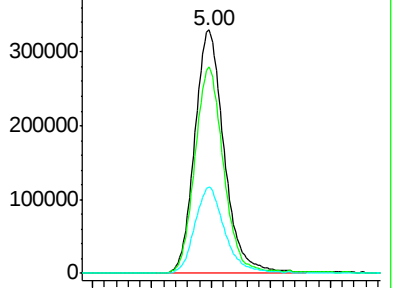


Abundance

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: 218.666 ug/l

RT: 3.82 min Scan# 695

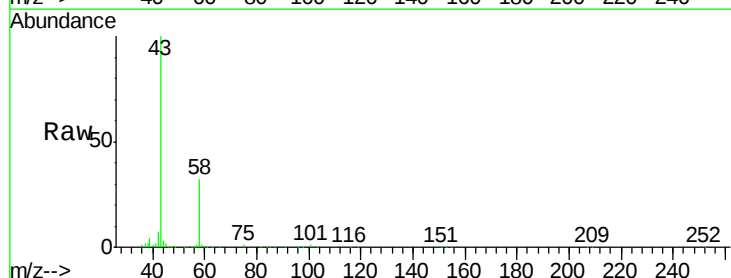
Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion: 43 Resp: 776734

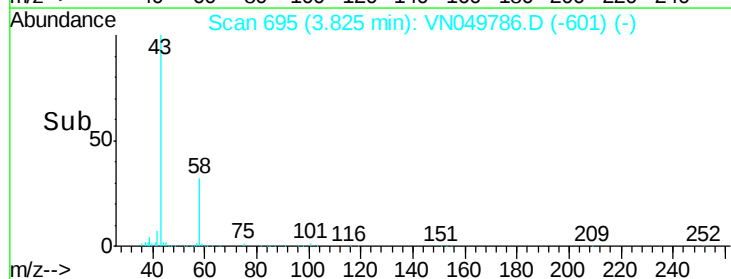
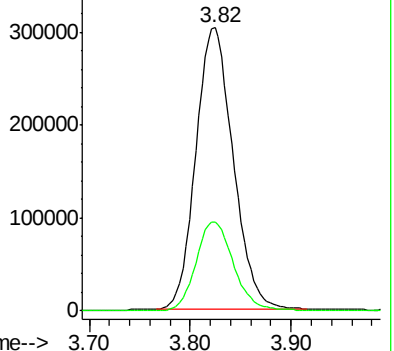
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9

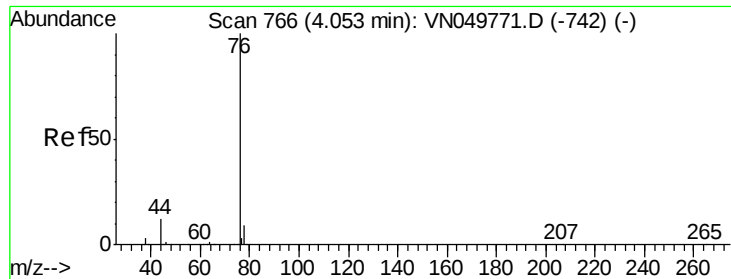


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

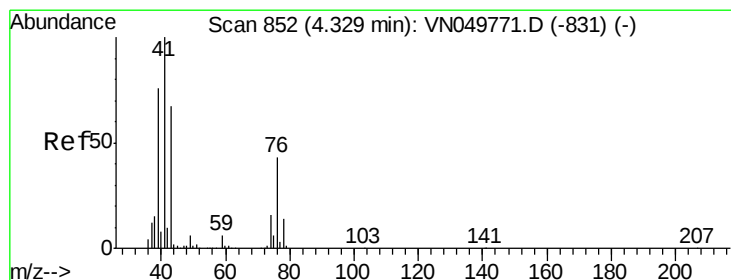
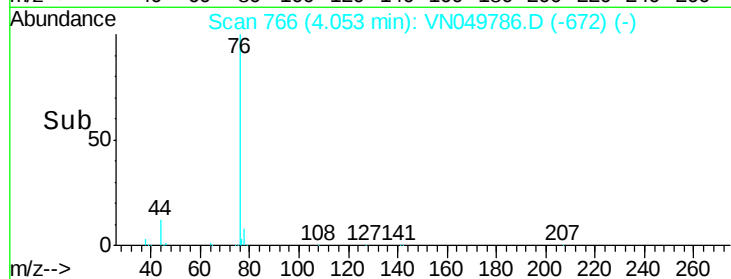
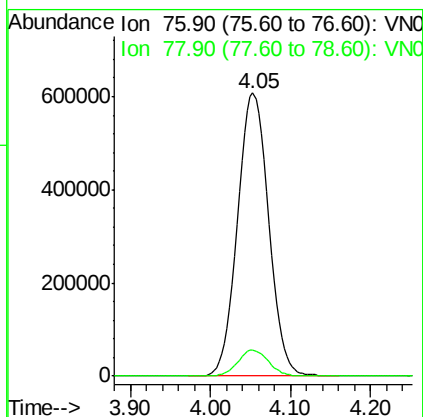
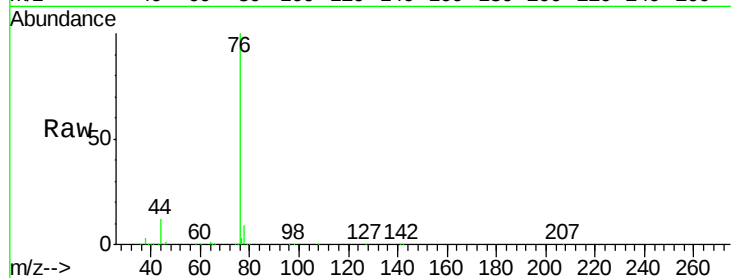




#17
Carbon Disulfide
Concen: 46.582 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

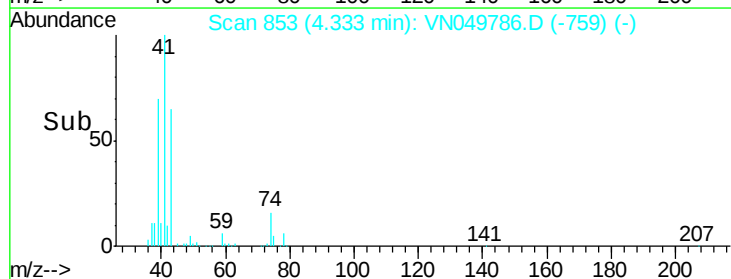
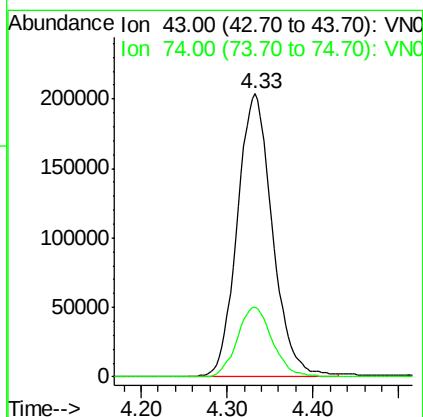
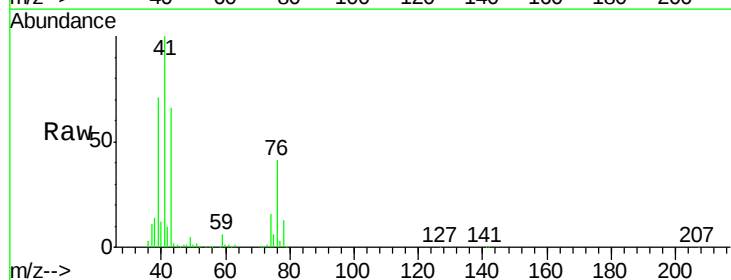
Instrument :
MSVOA_N
ClientSampled :

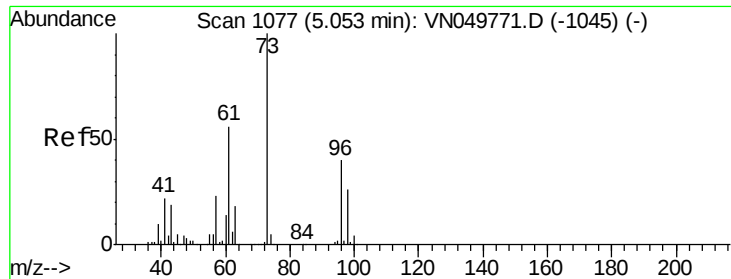
Tot Ion: 76 Resp: 1600082
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 47.734 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 43 Resp: 575129
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8

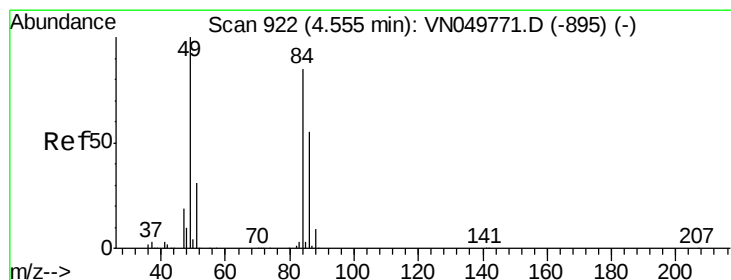
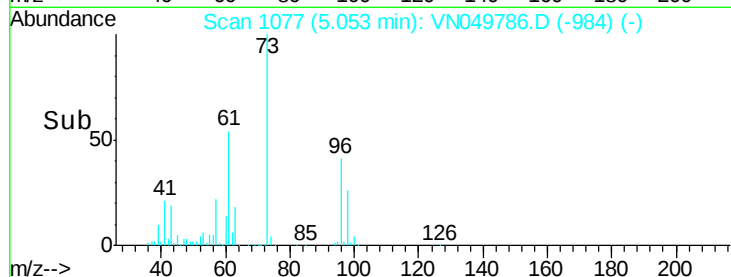
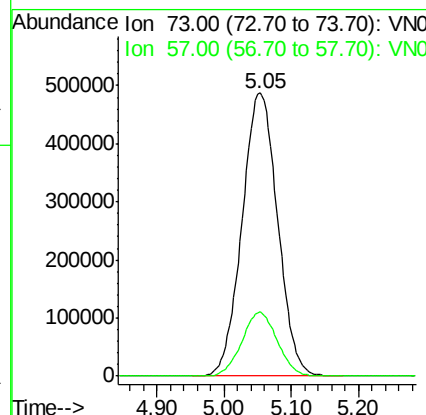
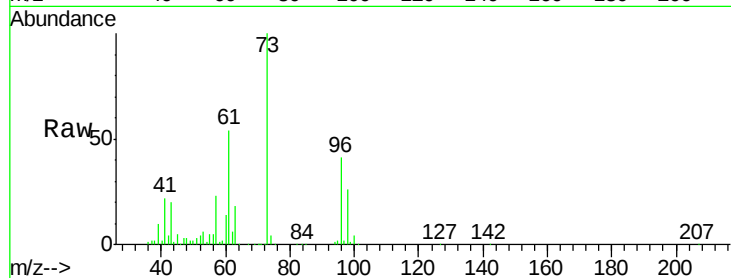




#19
Methyl tert-butyl Ether
Concen: 48.120 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

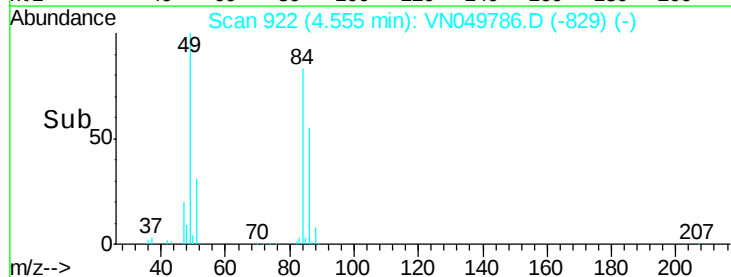
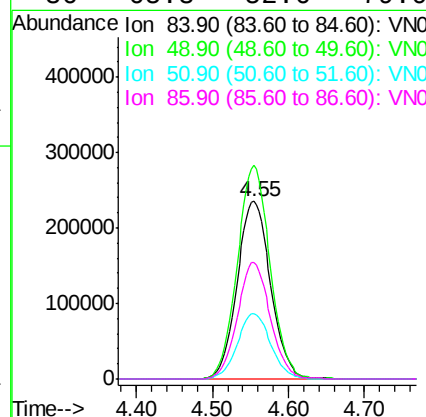
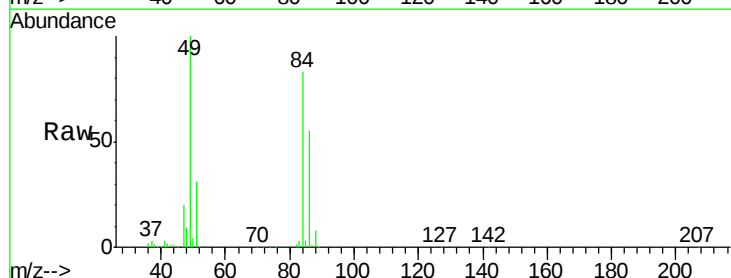
Instrument :
MSVOA_N
ClientSampled :

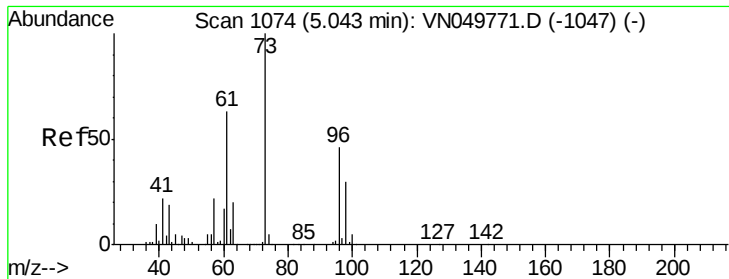
Tot Ion: 73 Resp: 1788747
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 48.602 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 84 Resp: 719150
Ion Ratio Lower Upper
84 100
49 120.4 95.4 143.2
51 37.1 28.4 42.6
86 65.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.548 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :

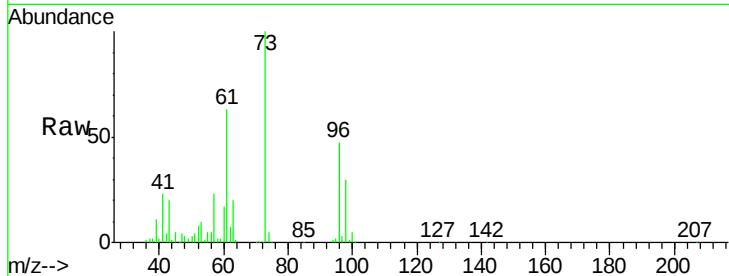
Tot Ion: 96 Resp: 667165

Ion Ratio Lower Upper

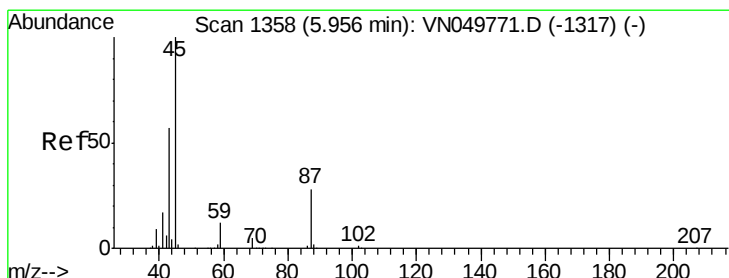
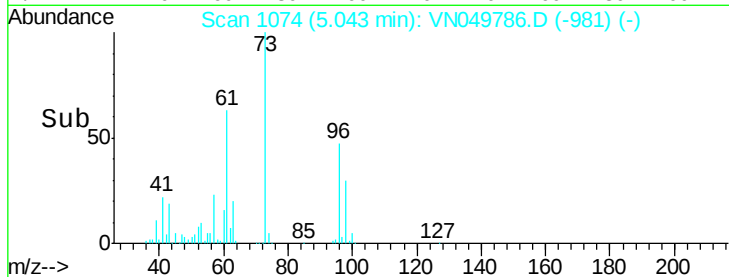
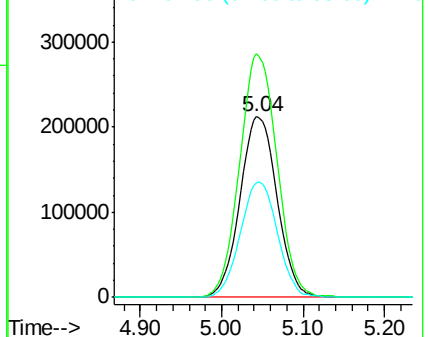
96 100

61 134.8 109.0 163.6

98 63.6 51.1 76.7



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: 49.282 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion: 45 Resp: 2213876

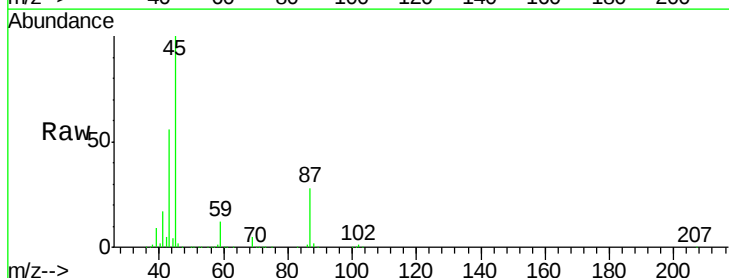
Ion Ratio Lower Upper

45 100

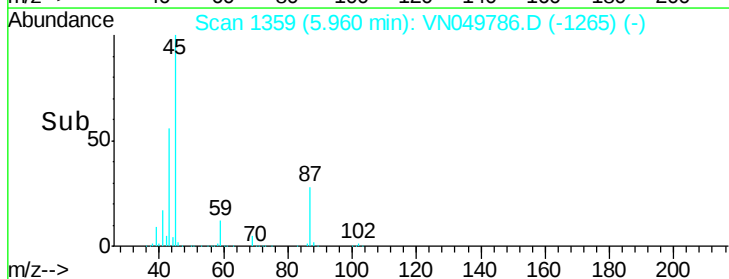
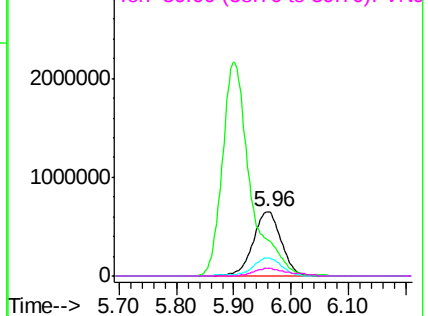
43 56.0 48.1 72.1

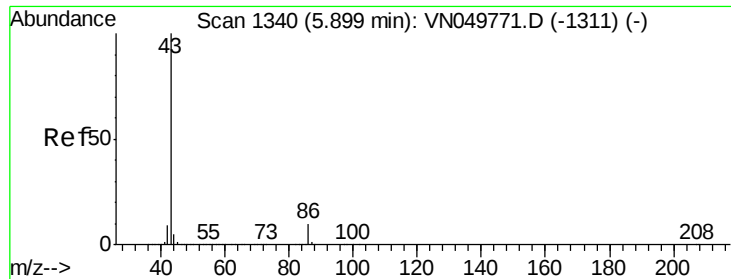
87 28.0 22.6 34.0

59 12.2 9.2 13.8



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: 243.425 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

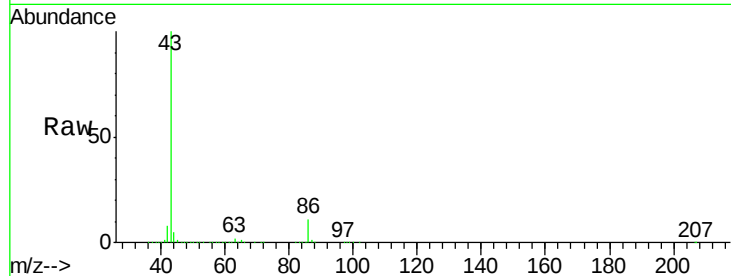
ClientSampleId :

Tot Ion: 43 Resp: 7328241

Ion Ratio Lower Upper

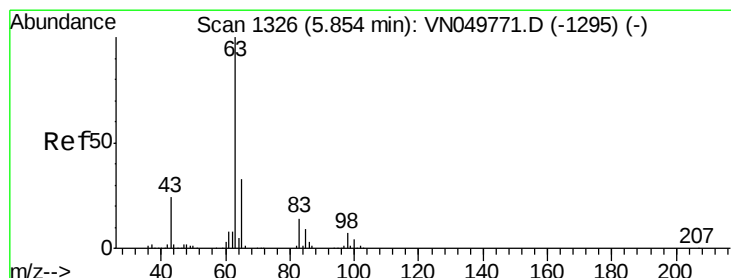
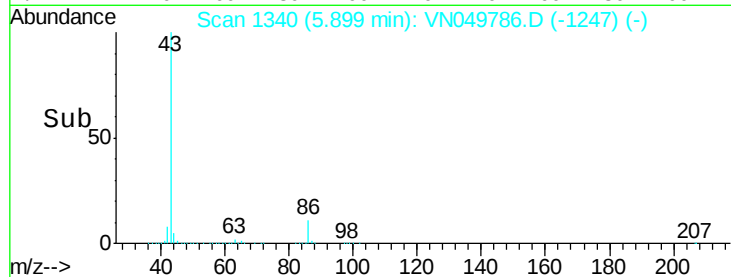
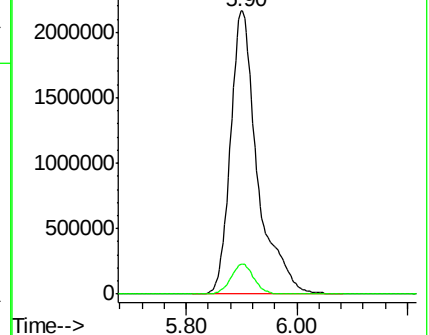
43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049786.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049786.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 46.158 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

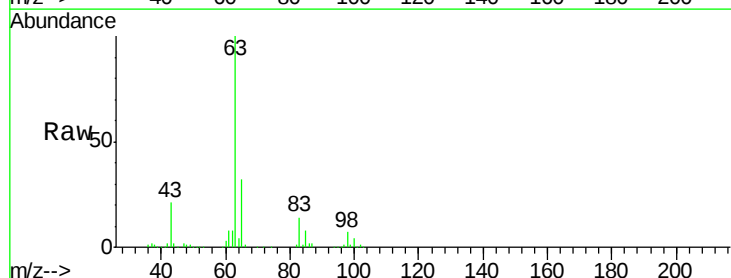
Tgt Ion: 63 Resp: 1302666

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

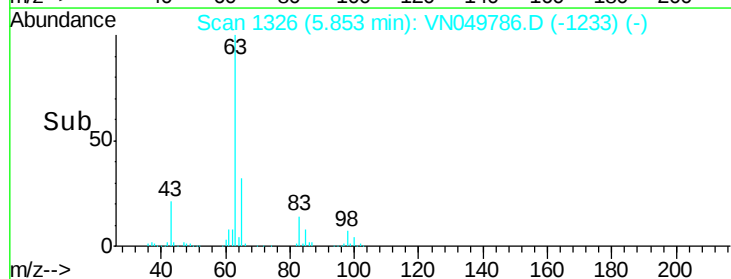
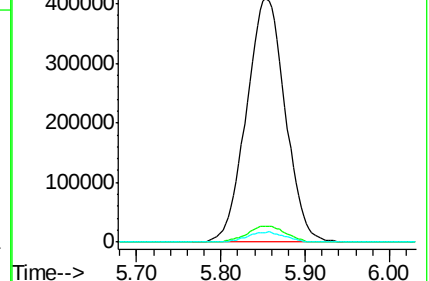
100 4.1 2.2 6.6

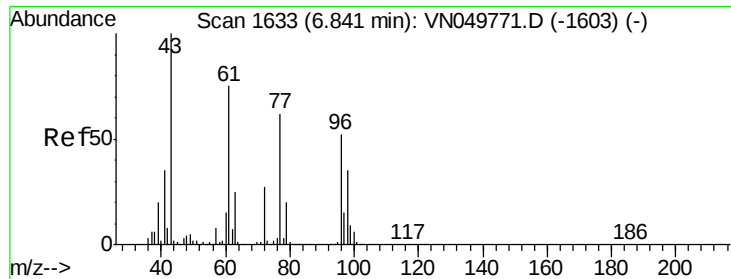


Abundance Ion 62.90 (62.60 to 63.60): VN049786.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN049786.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN049786.D (-1233) (-)

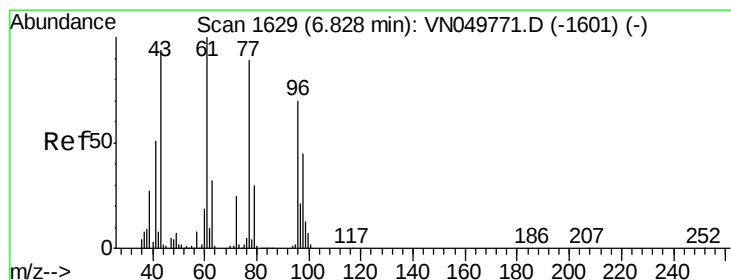
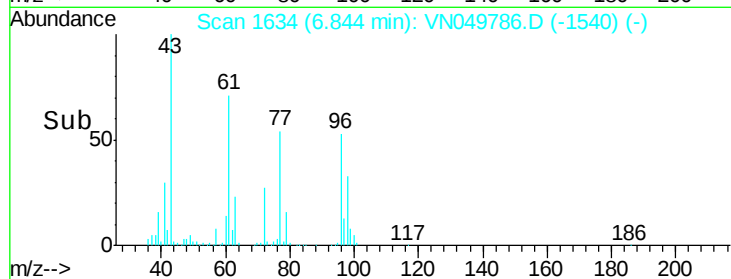
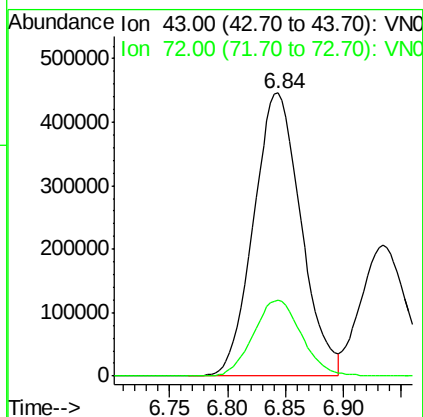
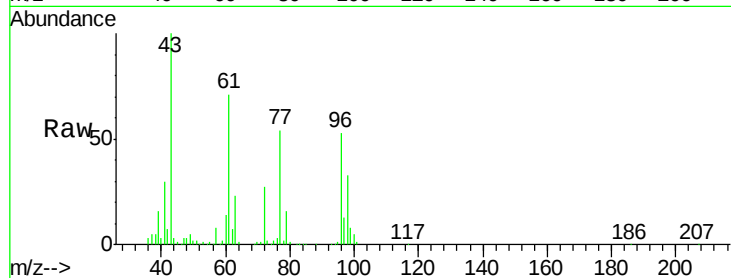




#25
2-Butanone
Concen: 225.187 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

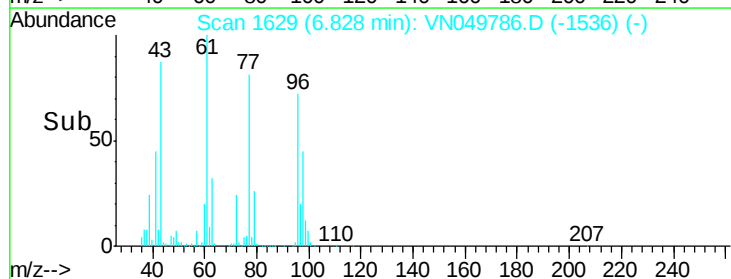
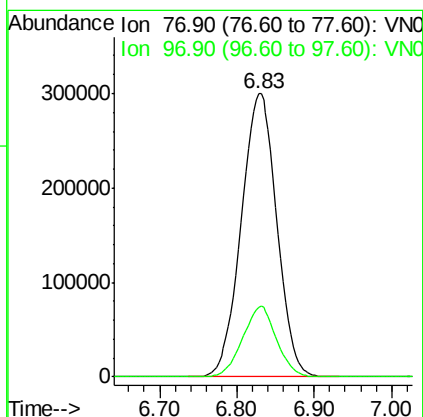
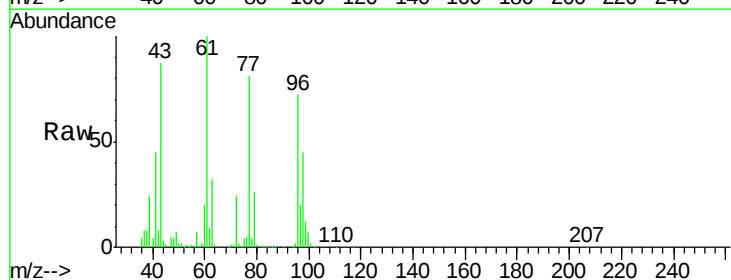
Instrument :
MSVOA_N
ClientSampleId :

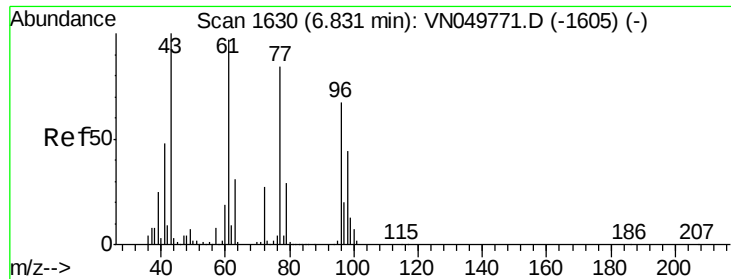
Tot Ion: 43 Resp: 1265027
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1



#26
2,2-Dichloropropane
Concen: 40.946 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 77 Resp: 959079
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 47.174 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :

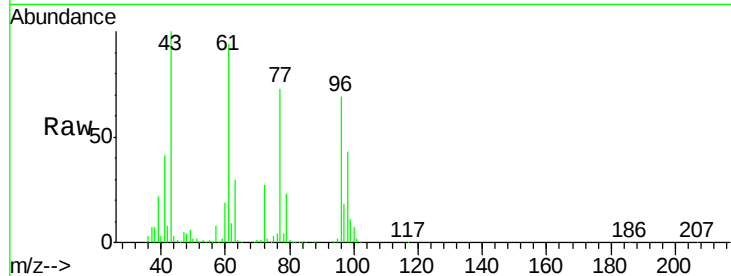
Tot Ion: 96 Resp: 790247

Ion Ratio Lower Upper

96 100

61 140.5 0.0 289.0

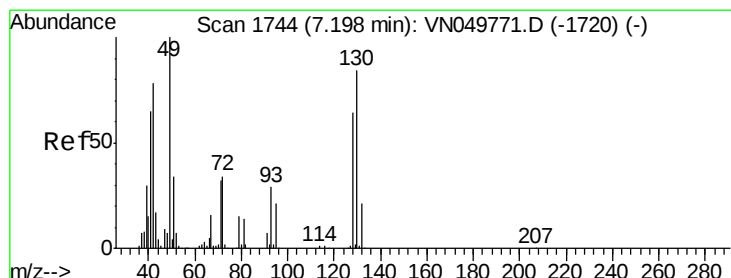
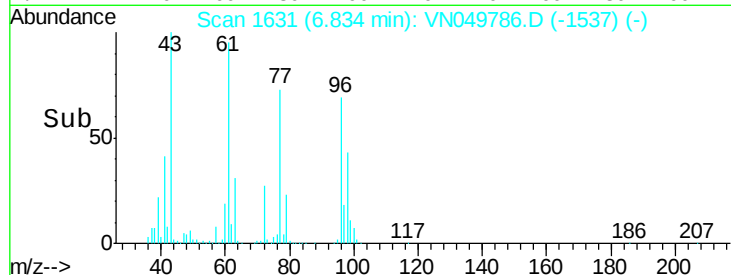
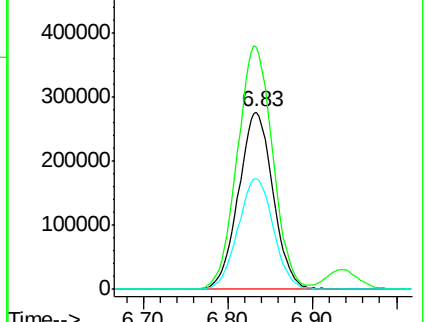
98 63.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN049771.D (-1605) (-)

Ion 60.90 (60.60 to 61.60): VN049771.D (-1605) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1605) (-)



#28

Bromochloromethane

Concen: 47.842 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

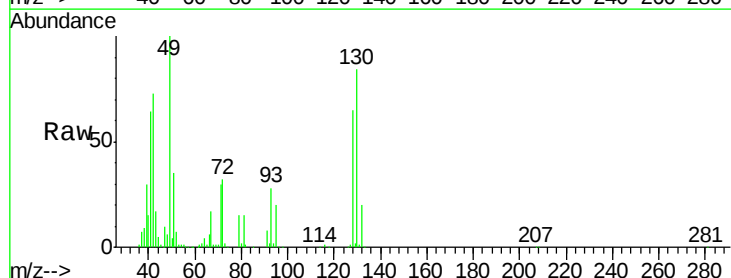
Tgt Ion: 49 Resp: 614102

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

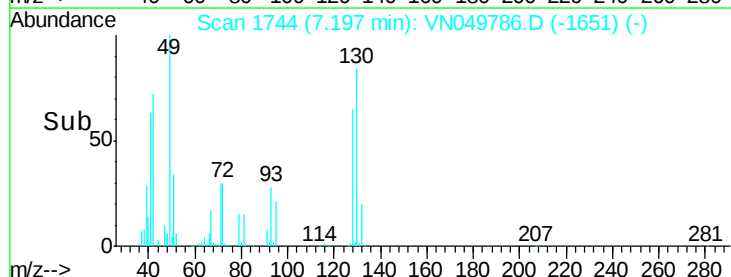
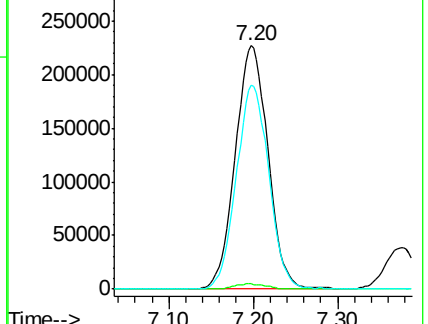
130 83.2 65.5 98.3

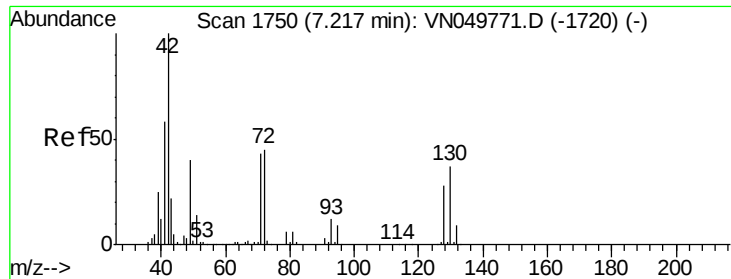


Abundance Ion 48.90 (48.60 to 49.60): VN049771.D (-1720) (-)

Ion 128.80 (128.50 to 129.50): VN049771.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049771.D (-1720) (-)

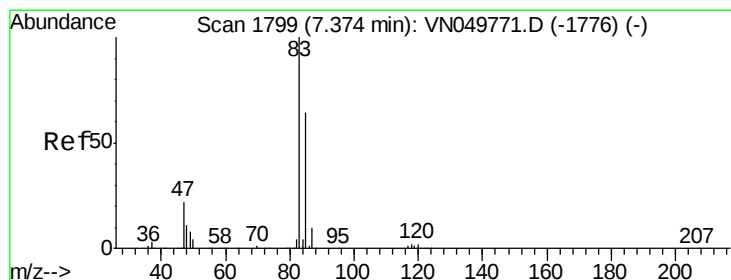
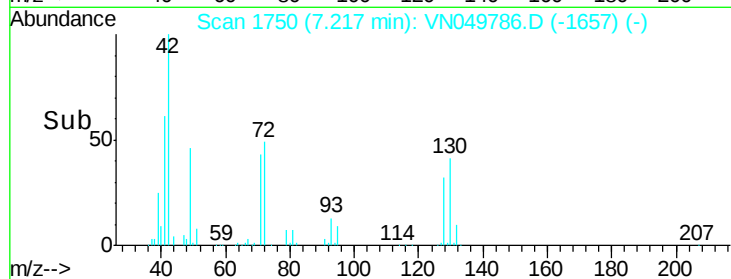
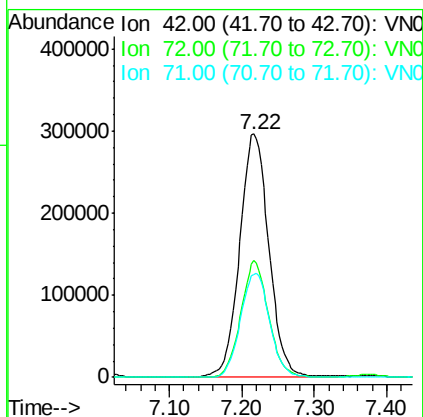
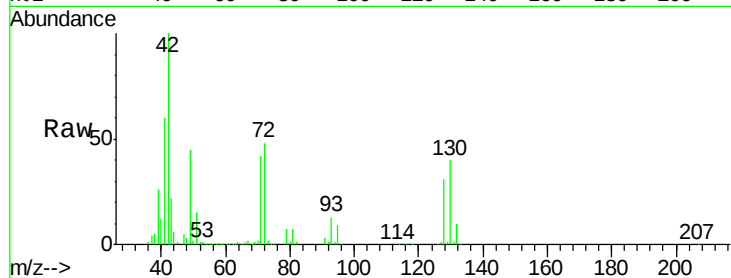




#29
Tetrahydrofuran
Concen: 235.203 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

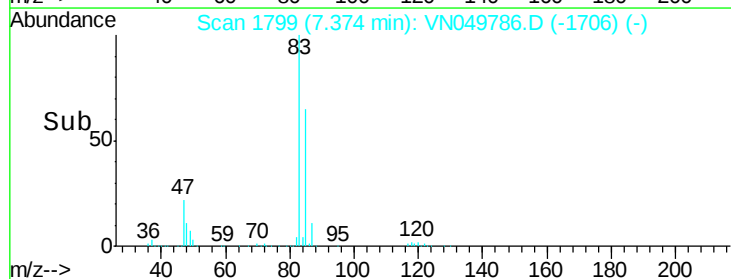
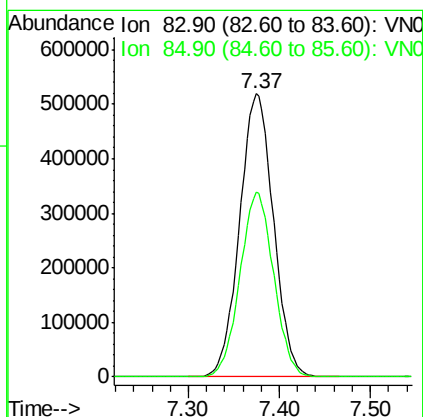
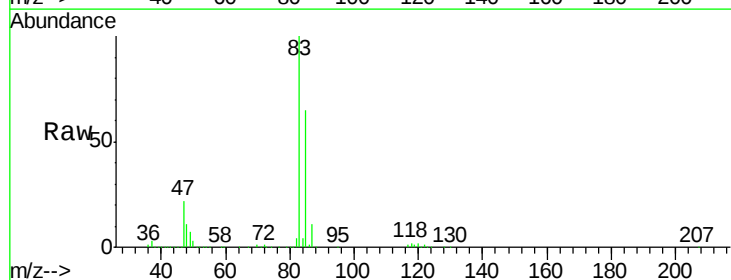
Instrument :
MSVOA_N
ClientSampled :

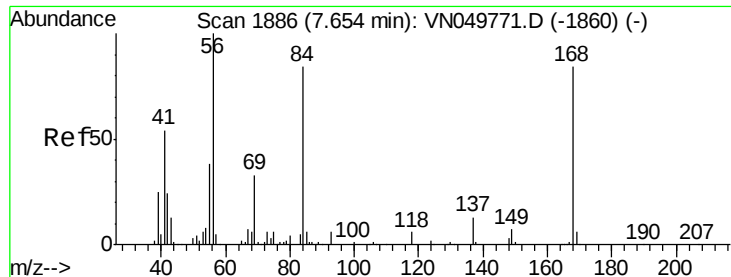
Tot Ion: 42 Resp: 829707
Ion Ratio Lower Upper
42 100
72 45.4 35.6 53.4
71 42.9 34.0 51.0



#30
Chloroform
Concen: 46.205 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 83 Resp: 1343592
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2





#31

Cyclohexane

Concen: 47.052 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :

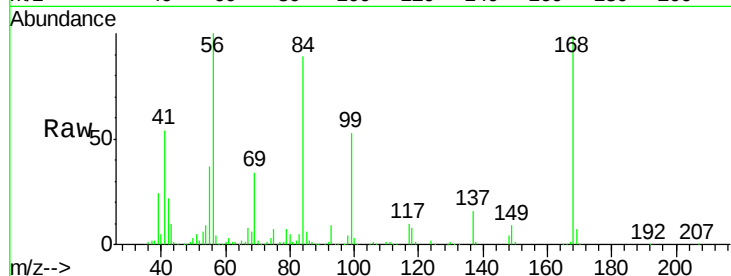
Tot Ion: 56 Resp: 1057202

Ion Ratio Lower Upper

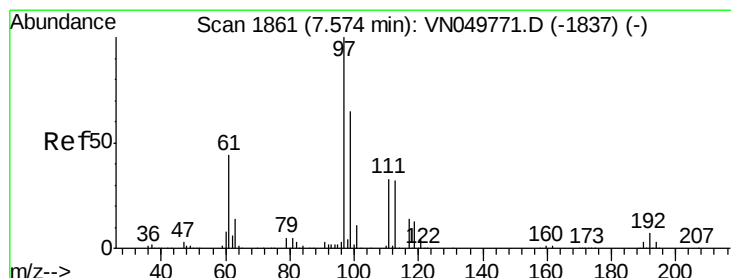
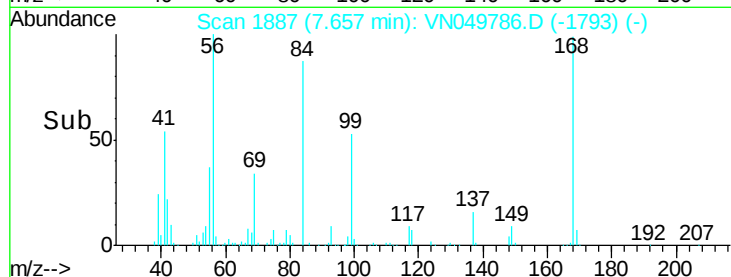
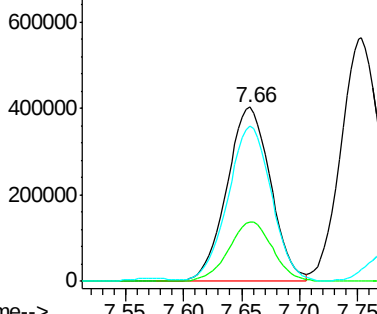
56 100

69 34.3 26.6 40.0

84 87.7 69.0 103.6



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: 46.245 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

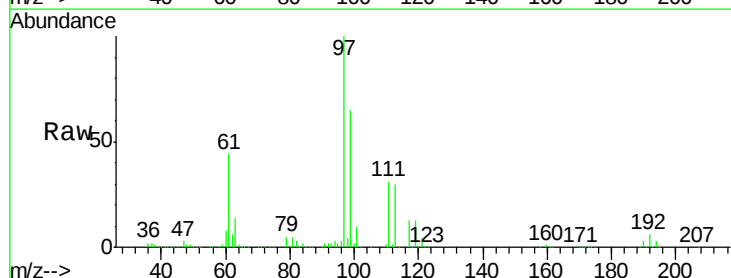
Tgt Ion: 97 Resp: 1142088

Ion Ratio Lower Upper

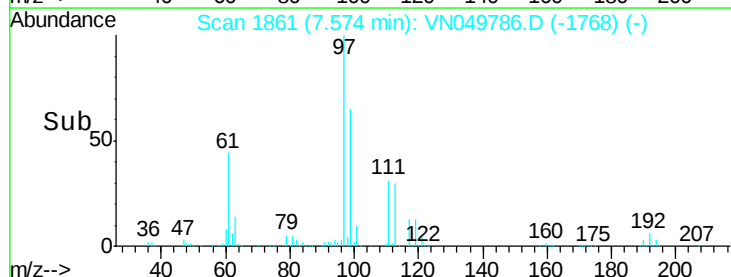
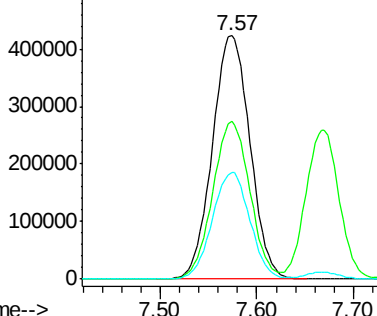
97 100

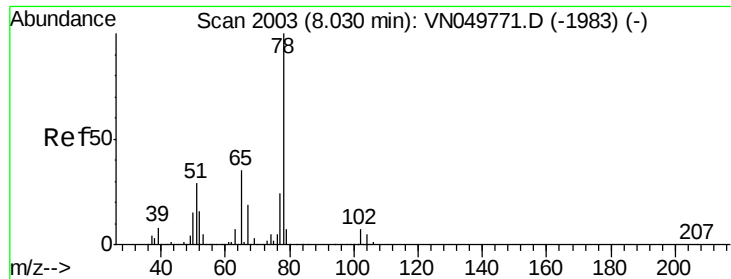
99 64.2 51.0 76.4

61 43.8 35.5 53.3



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: 47.174 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

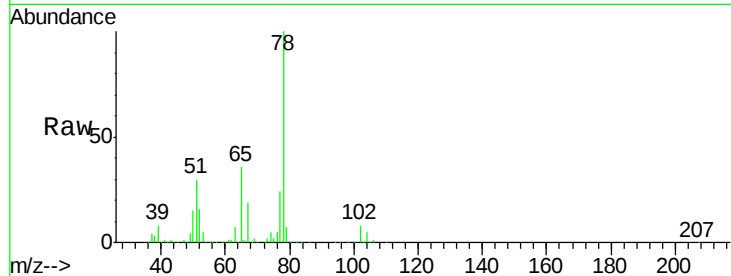
ClientSampleId :

Tot Ion: 65 Resp: 680048

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049771.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049771.D (-1983) (-)

8.03

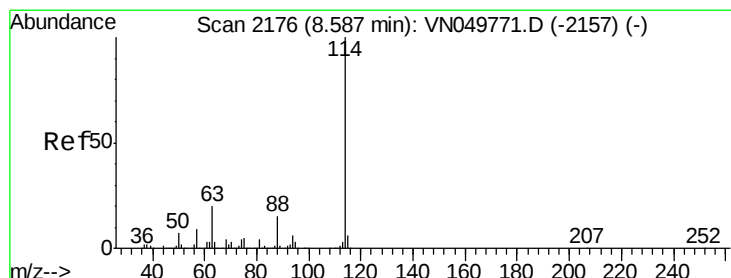
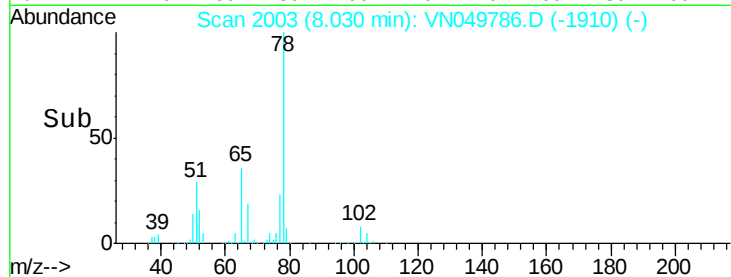
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

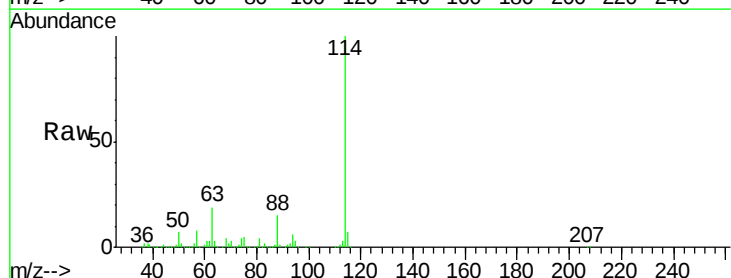
Tgt Ion: 114 Resp: 1823704

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

88 14.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049771.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049771.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049771.D (-2157) (-)

8.59

1200000

1000000

800000

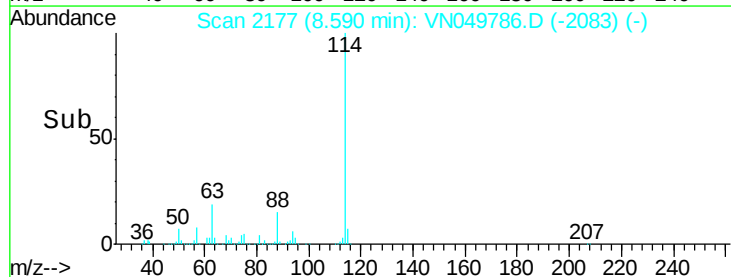
600000

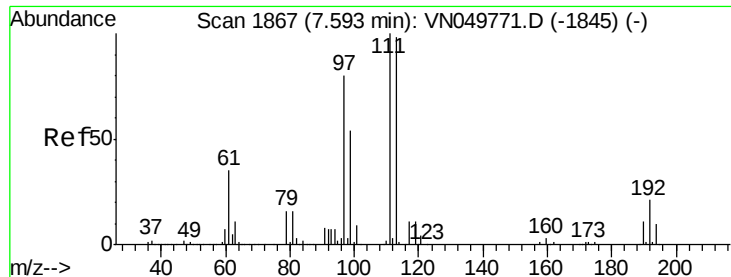
400000

200000

0

Time-->

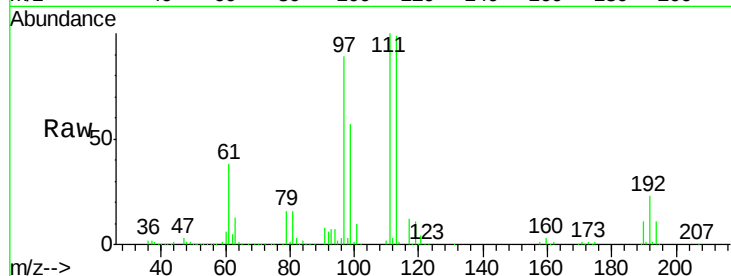




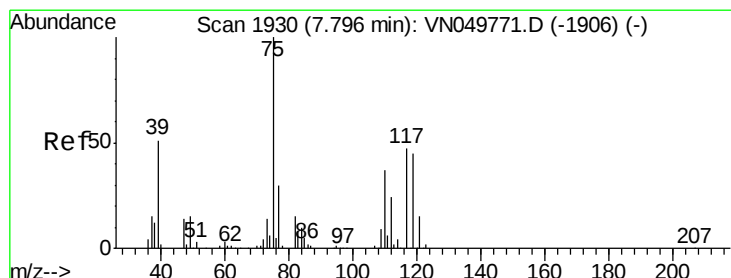
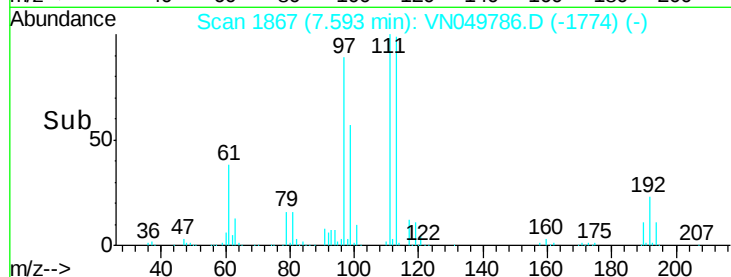
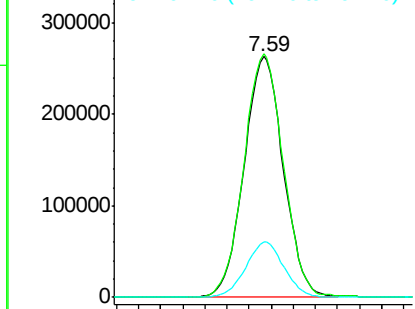
#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 648090
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 22.6 17.8 26.6

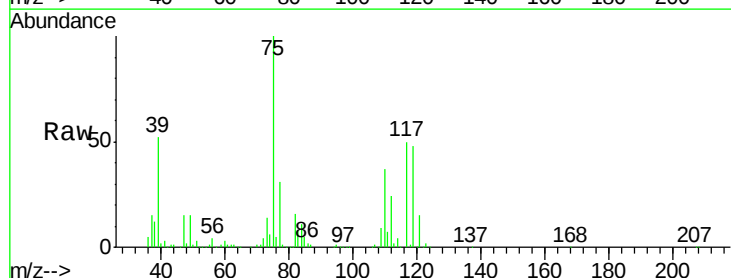


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

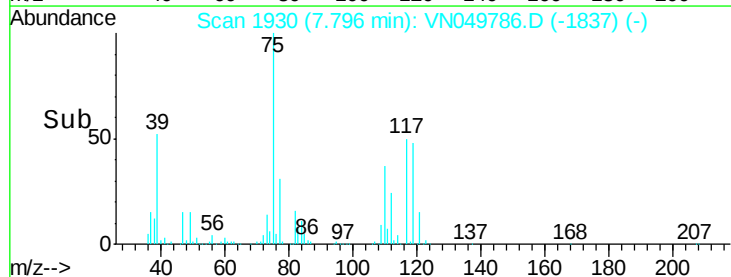
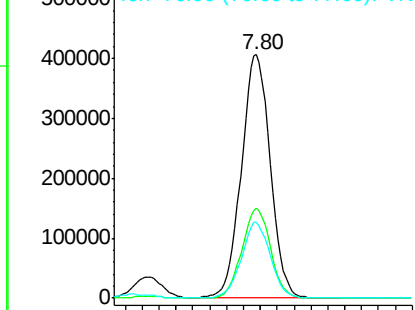


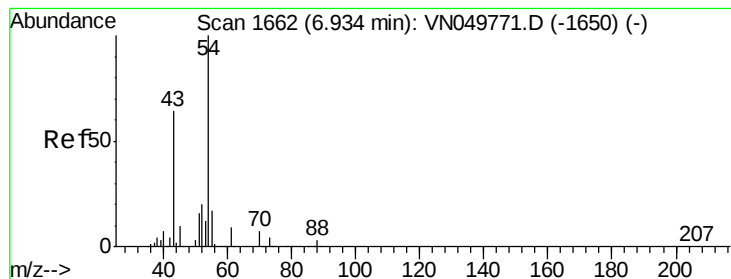
#36
1,1-Dichloropropene
Concen: 45.964 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 75 Resp: 965978
Ion Ratio Lower Upper
75 100
110 36.5 18.1 54.4
77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.729 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampled :

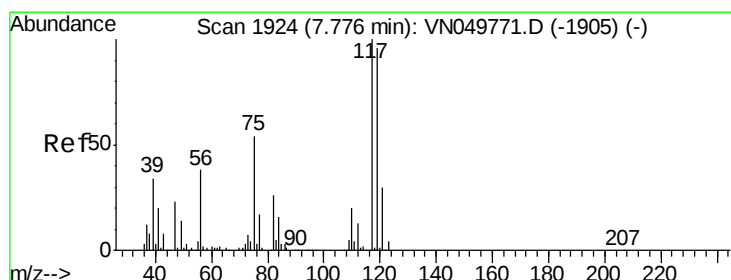
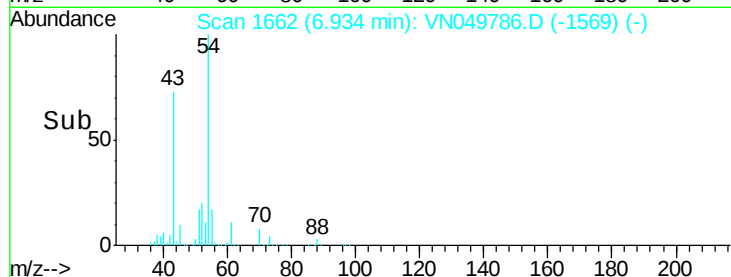
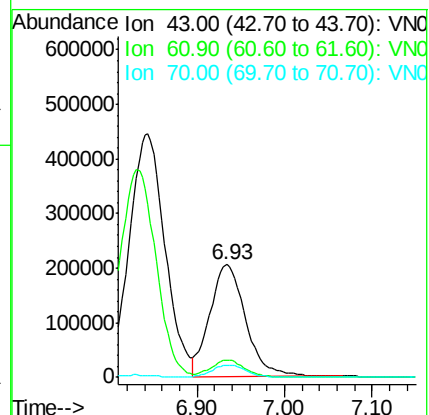
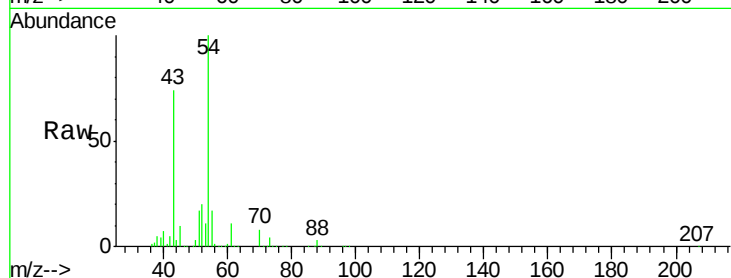
Tot Ion: 43 Resp: 581290

Ion Ratio Lower Upper

43 100

61 14.4 11.7 17.5

70 10.3 8.4 12.6



#38

Carbon Tetrachloride

Concen: 45.579 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

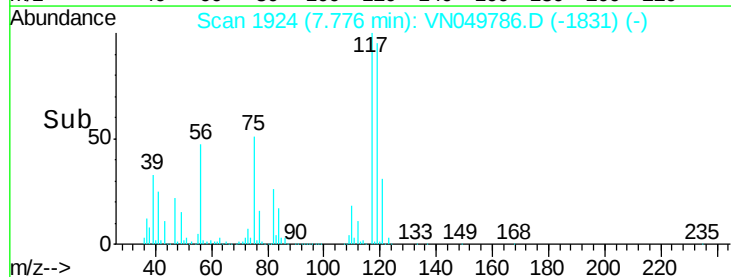
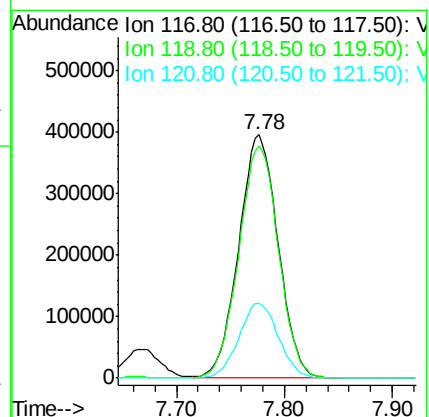
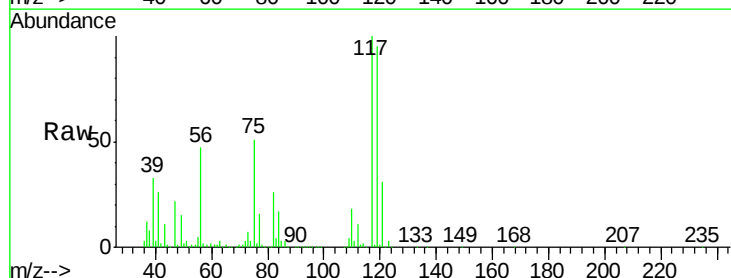
Tgt Ion: 117 Resp: 1001349

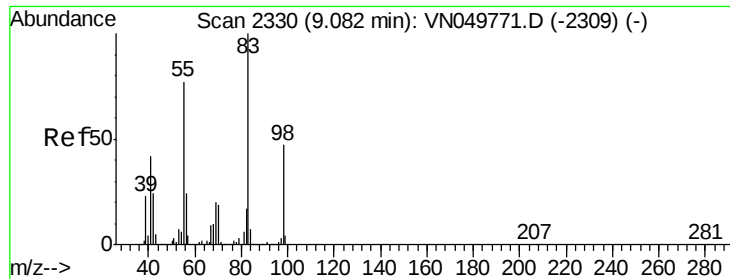
Ion Ratio Lower Upper

117 100

119 95.1 77.2 115.8

121 30.9 25.0 37.6

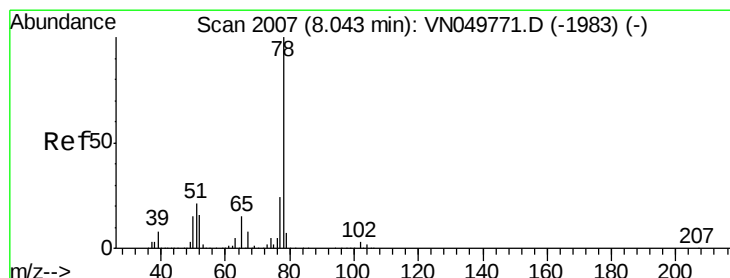
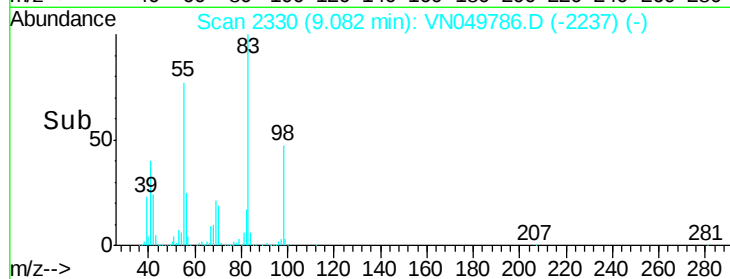
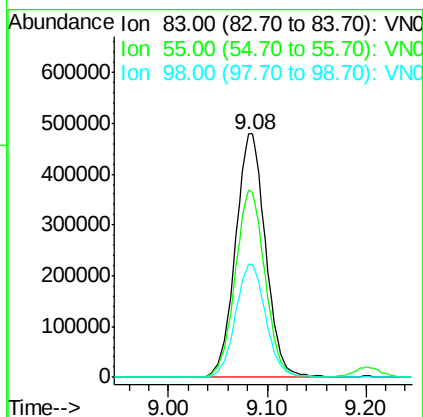
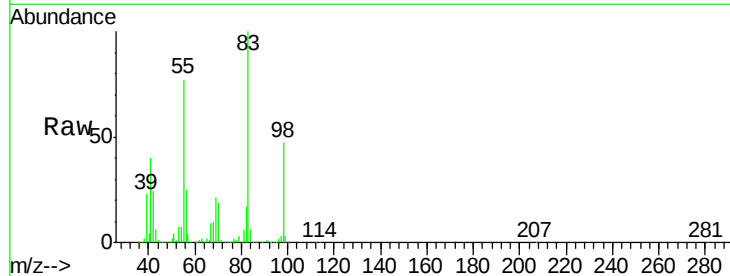




#39
Methvlcvclohexane
Concen: 45.695 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

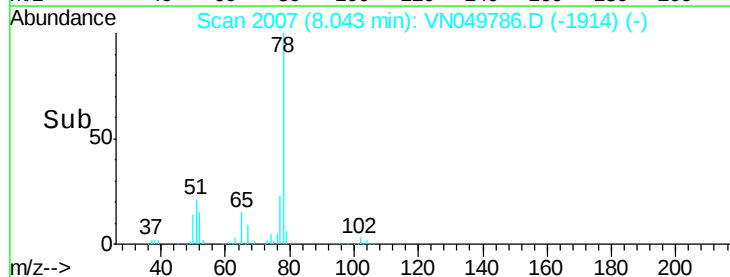
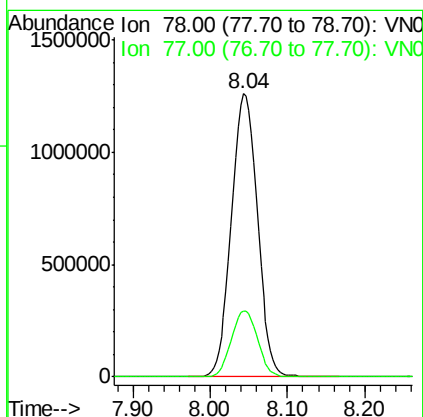
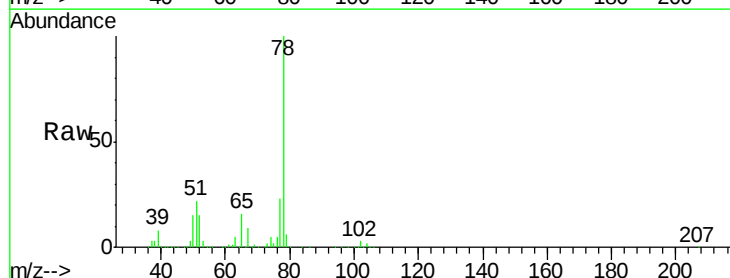
Instrument :
MSVOA_N
ClientSampled :

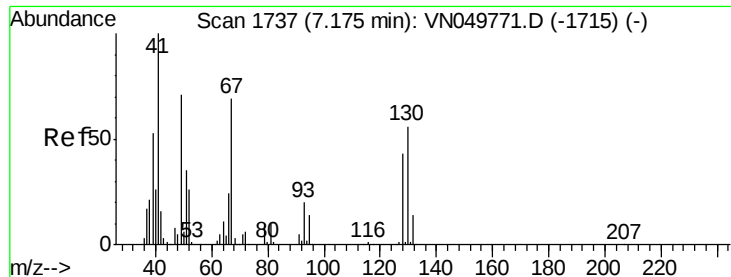
Tot Ion: 83 Resp: 1012227
Ion Ratio Lower Upper
83 100
55 76.8 59.7 89.5
98 46.5 36.5 54.7



#40
Benzene
Concen: 46.840 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 78 Resp: 2944767
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

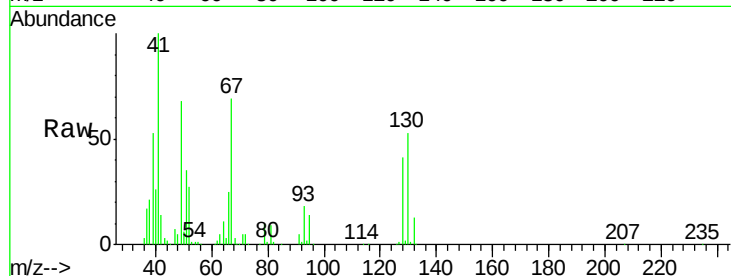




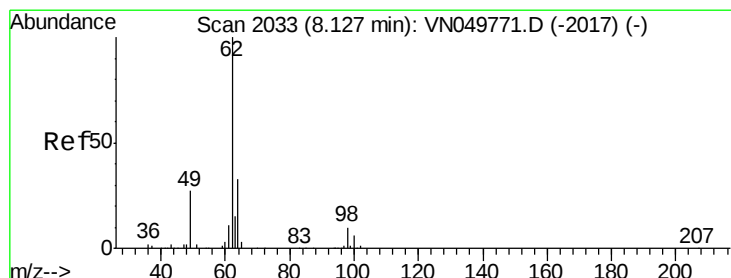
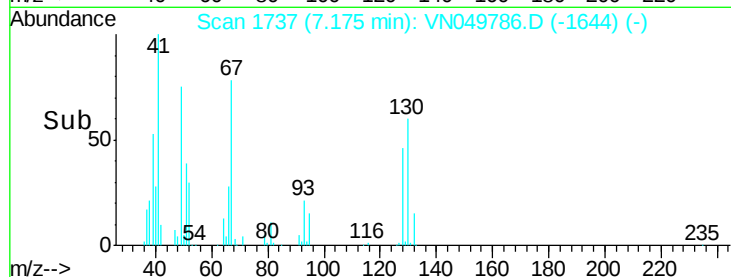
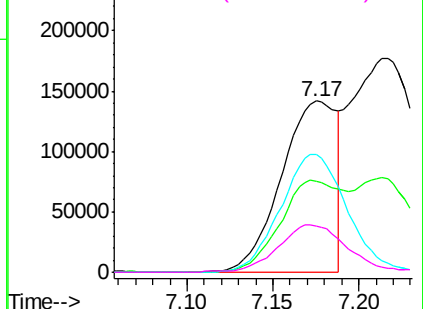
#41
Methacrylonitrile
Concen: 44.814 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	315337
Ion	Ratio	Lower	Upper
41	100		
39	61.8	45.4	68.2
67	84.3	65.4	98.0
52	33.9	24.7	37.1

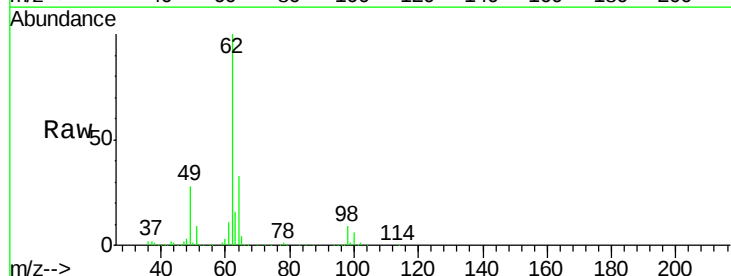


Abundance Ion 41.00 (40.70 to 41.70): VN049771.D (-1715) (-)
Ion 39.00 (38.70 to 39.70): VN049771.D (-1715) (-)
Ion 67.00 (66.70 to 67.70): VN049771.D (-1715) (-)
Ion 52.00 (51.70 to 52.70): VN049771.D (-1715) (-)

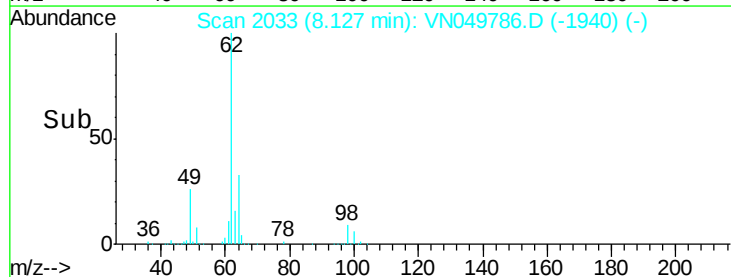
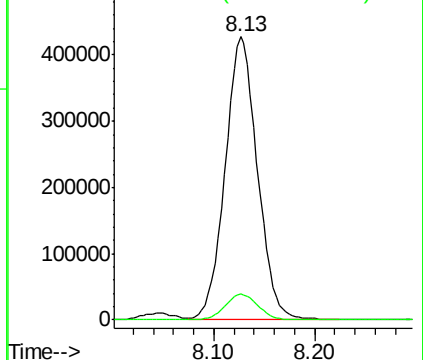


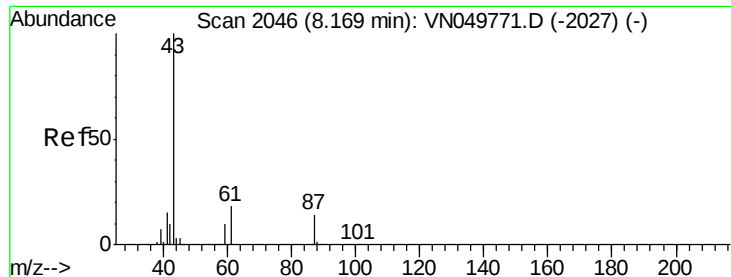
#42
1,2-Dichloroethane
Concen: 46.099 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:	62	Resp:	948008
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049771.D (-1917) (-)
Ion 97.90 (97.60 to 98.60): VN049771.D (-1917) (-)





#43

Isopropyl Acetate

Concen: 47.019 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

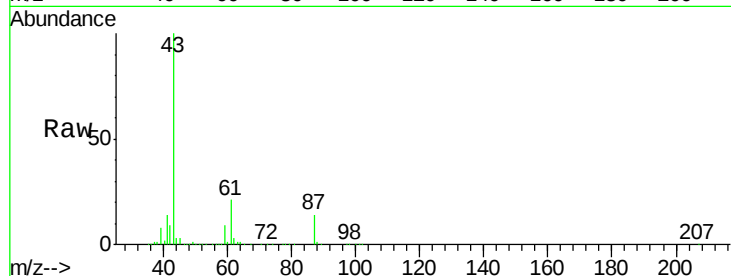
Tot Ion: 43 Resp: 1051335

Ion Ratio Lower Upper

43 100

61 20.6 14.9 22.3

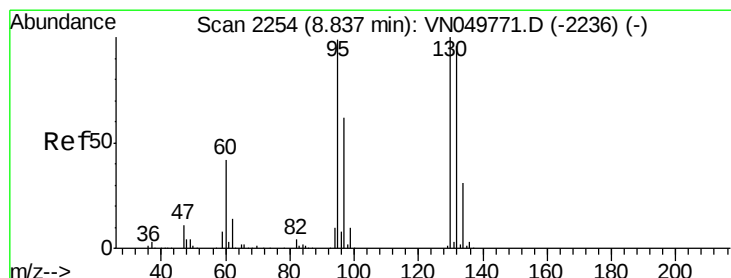
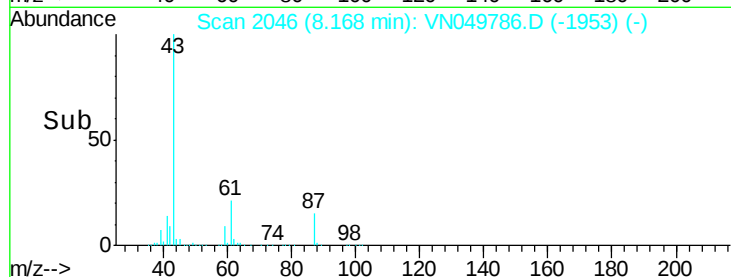
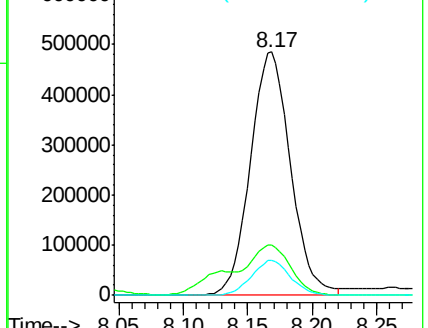
87 14.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN049771.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-2027) (-)



#44

Trichloroethene

Concen: 45.517 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049786.D

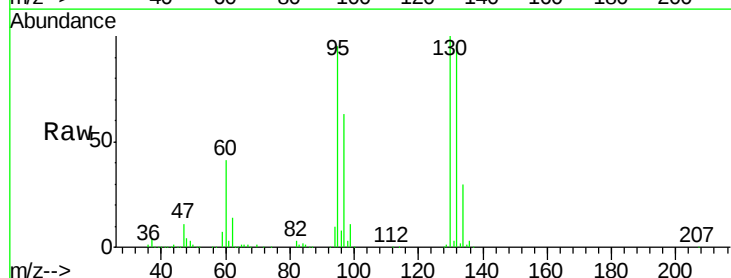
Acq: 12 Jul 2018 22:45

Tgt Ion: 130 Resp: 770524

Ion Ratio Lower Upper

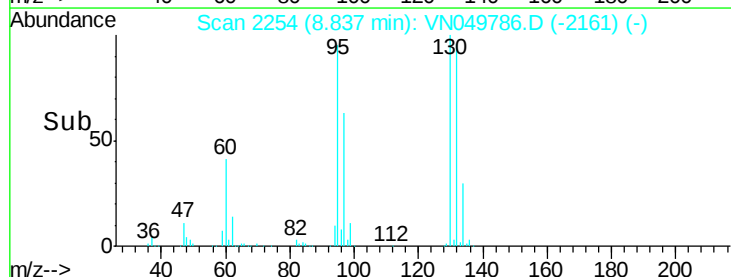
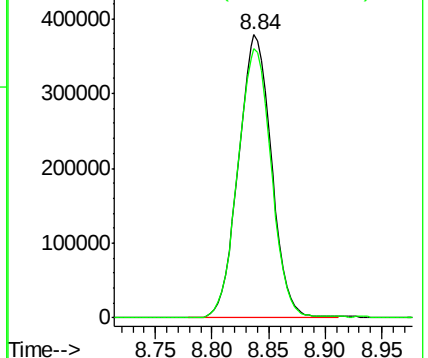
130 100

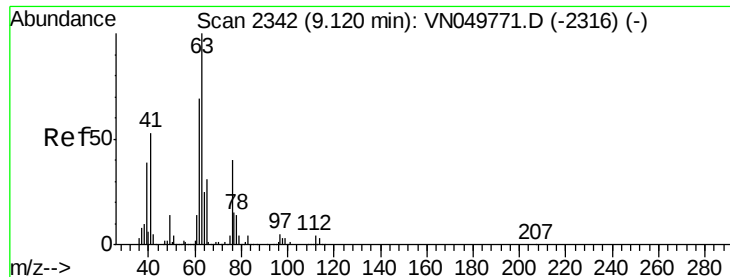
95 95.0 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049771.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049771.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 47.182 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

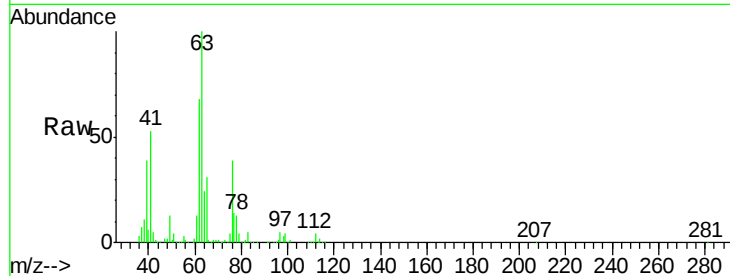
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 797173

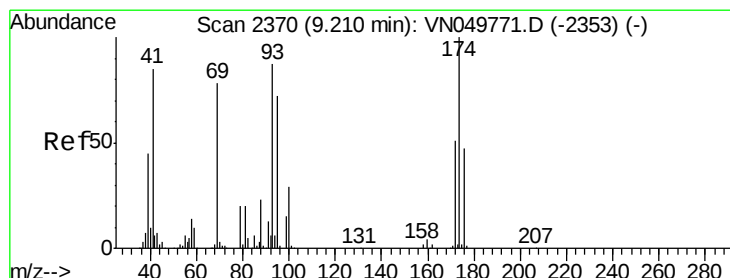
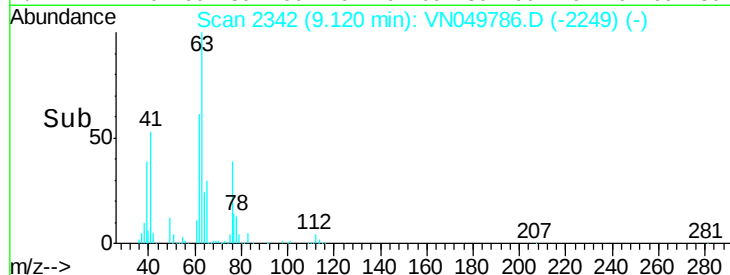
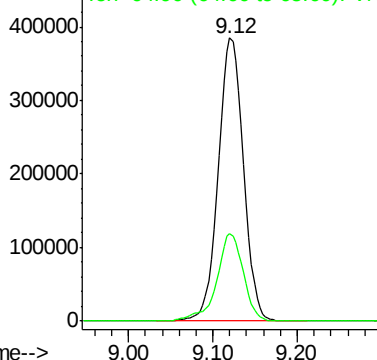
Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



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



#46

Dibromomethane

Concen: 46.225 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

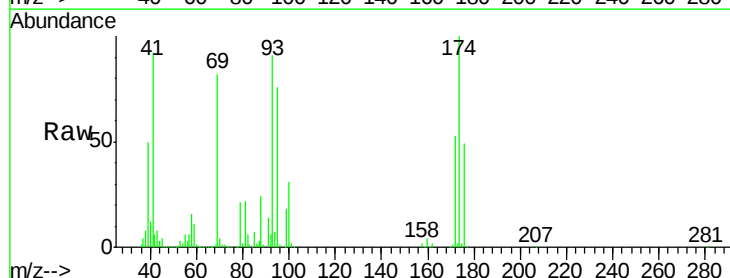
Tgt Ion: 93 Resp: 463857

Ion Ratio Lower Upper

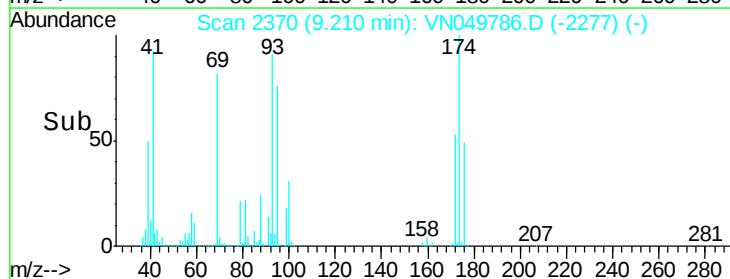
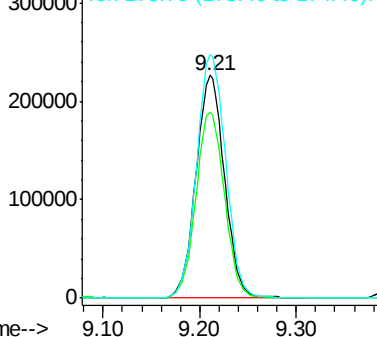
93 100

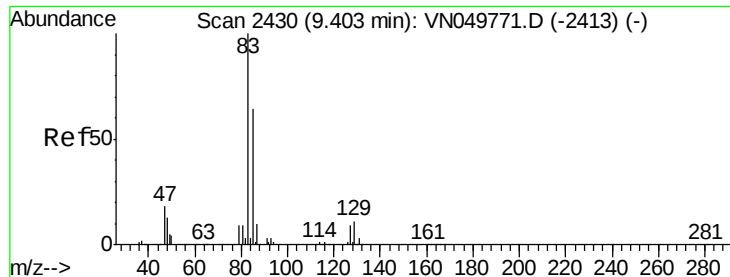
95 83.4 67.9 101.9

174 111.2 89.4 134.0



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





#47

Bromodichloromethane

Concen: 46.895 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :

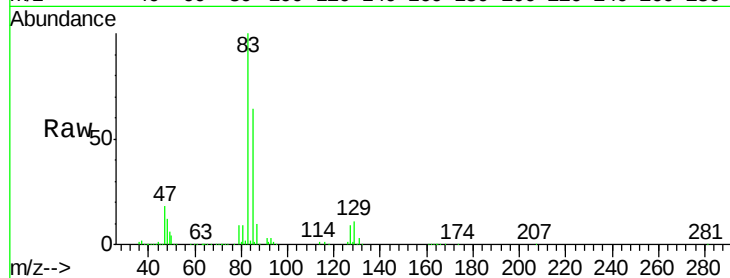
Tot Ion: 83 Resp: 1036254

Ion Ratio Lower Upper

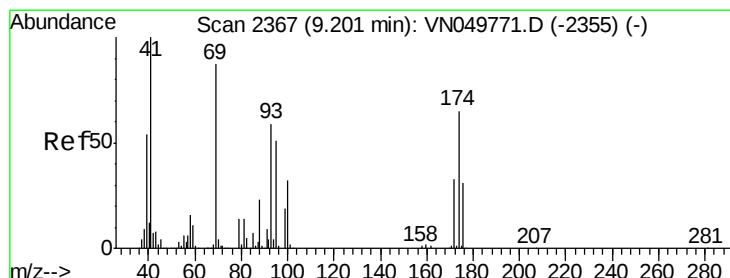
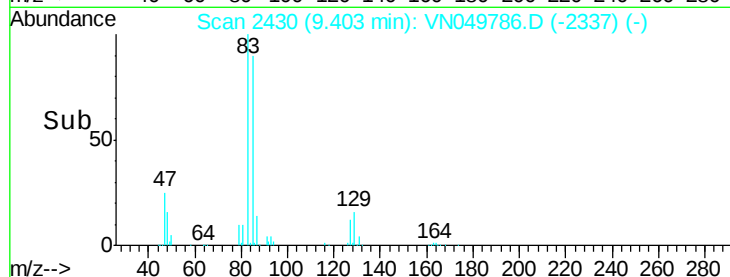
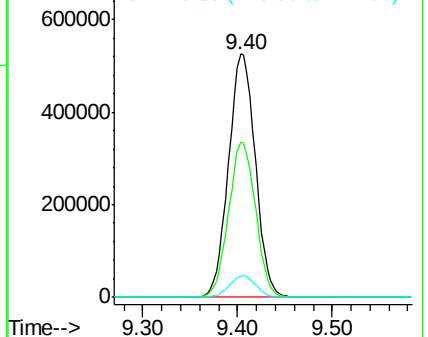
83 100

85 63.9 50.5 75.7

127 8.8 6.8 10.2



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



#48

Methyl methacrylate

Concen: 48.351 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

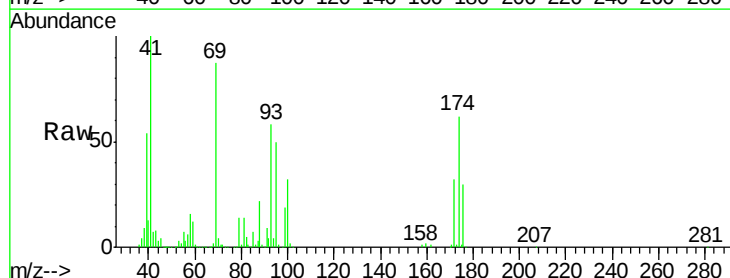
Tgt Ion: 41 Resp: 540530

Ion Ratio Lower Upper

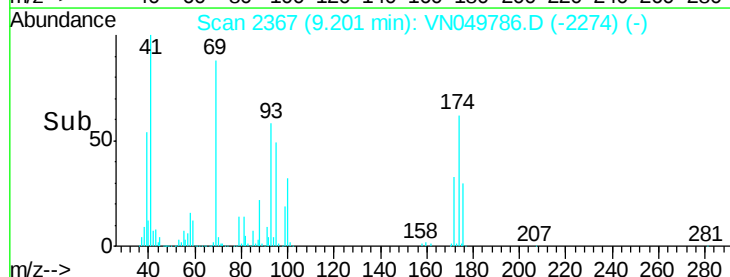
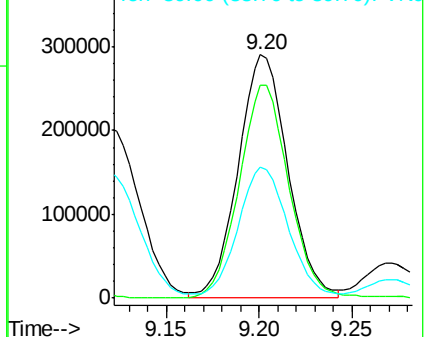
41 100

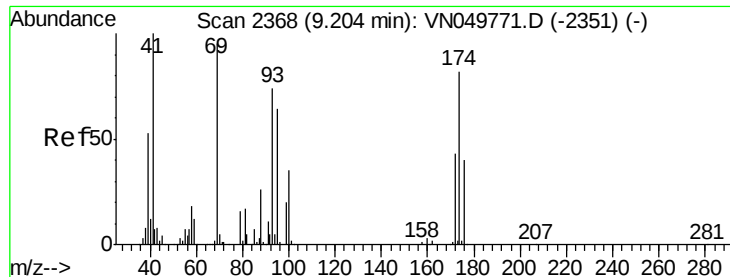
69 87.9 71.5 107.3

39 54.5 44.7 67.1



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

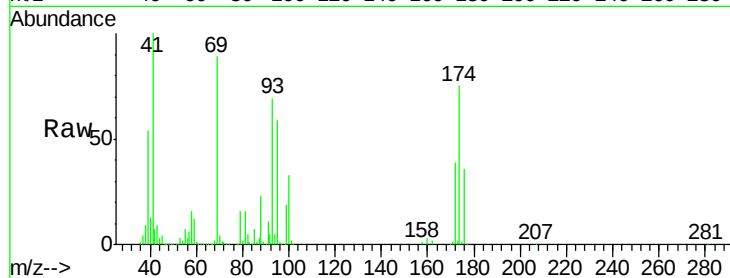




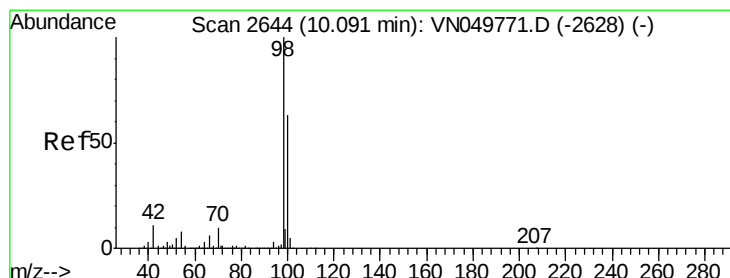
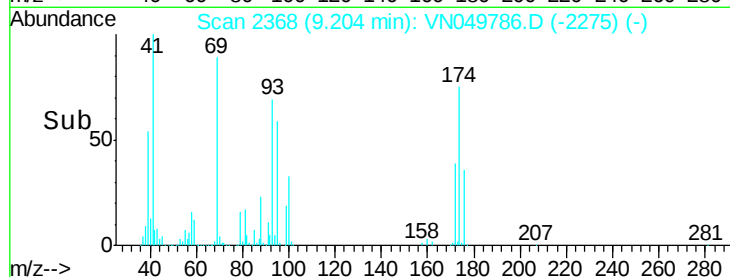
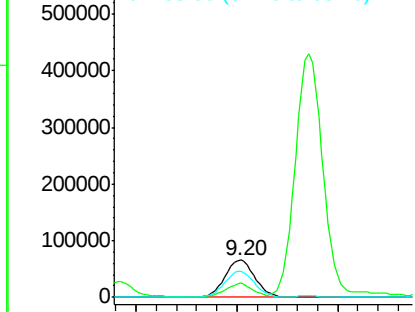
#49
1,4-Dioxane
Concen: 935.501 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 137034
Ion Ratio Lower Upper
88 100
43 32.8 25.1 37.7
58 69.7 52.5 78.7

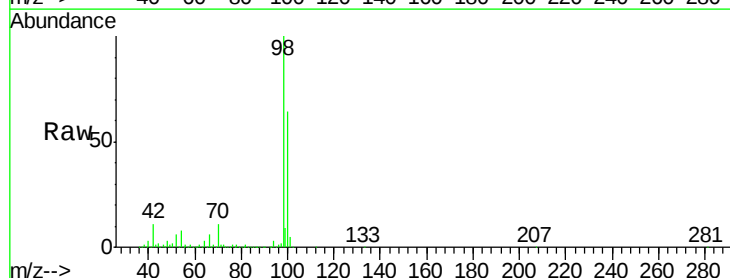


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

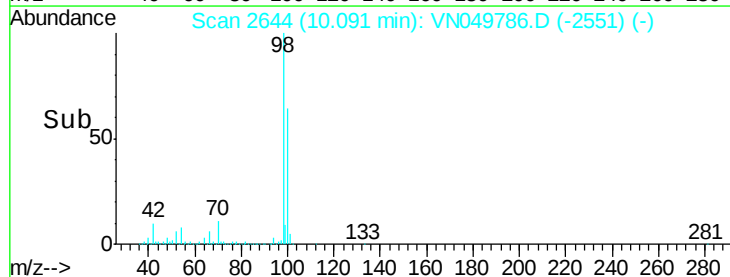
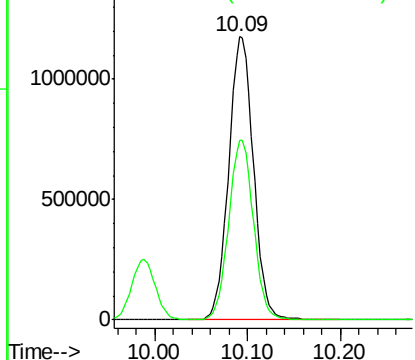


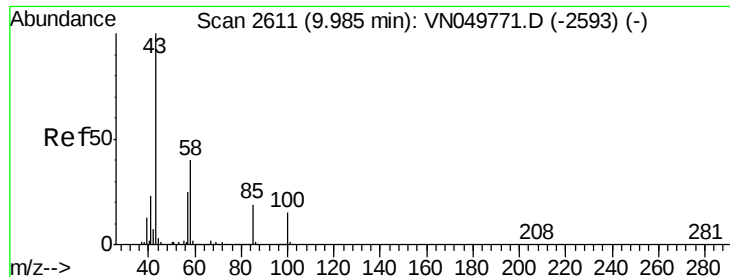
#50
Toluene-d8
Concen: 46.227 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 98 Resp: 2175242
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

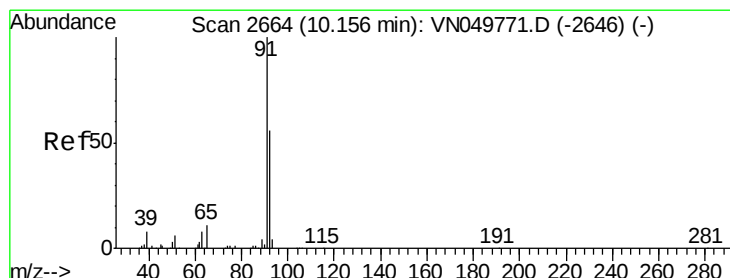
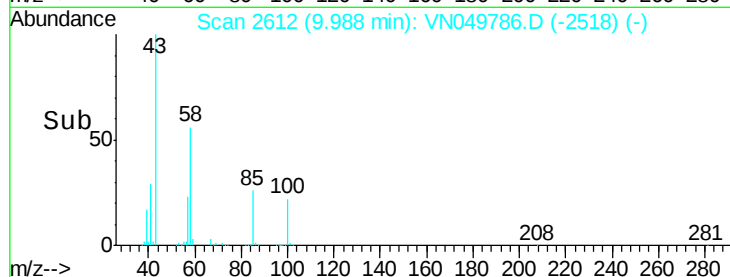
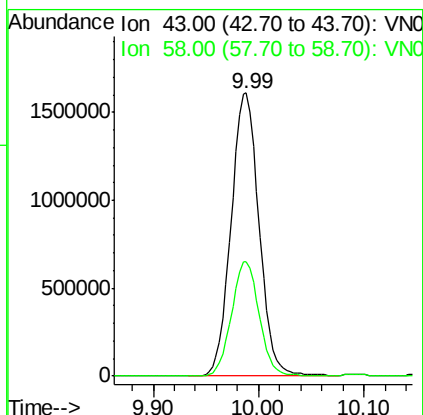
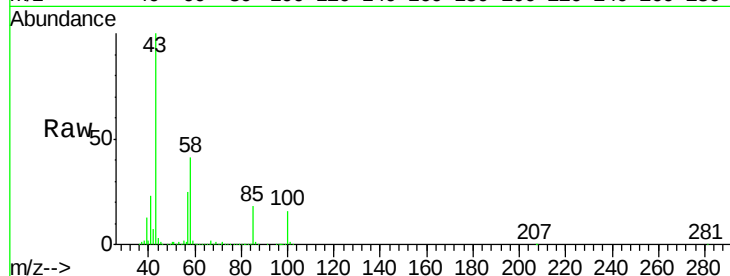




#51
 4-Methyl-2-Pentanone
 Concen: 243.398 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

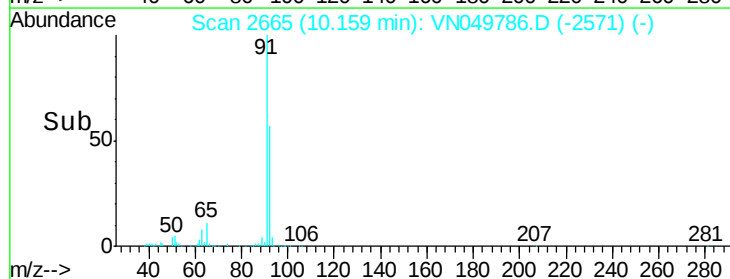
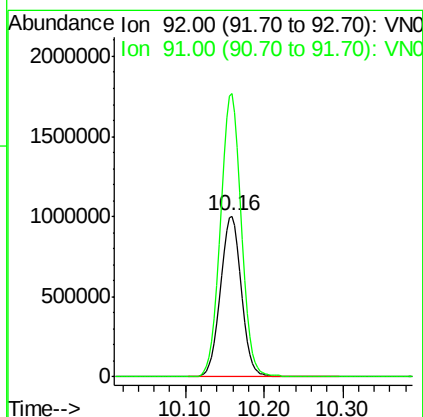
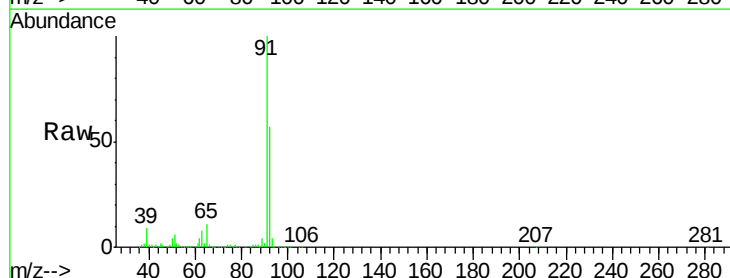
Instrument :
 MSVOA_N
 ClientSampleId :

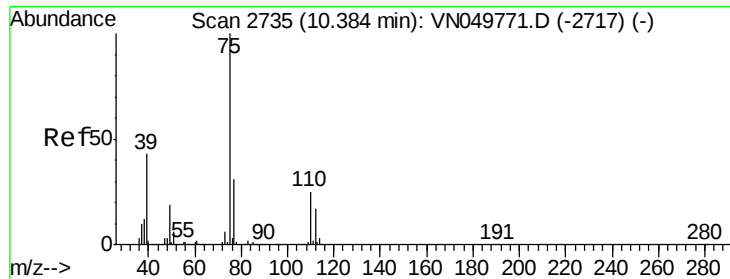
Tot Ion: 43 Resp: 2954904
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.8



#52
 Toluene
 Concen: 48.593 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion: 92 Resp: 1828377
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 47.086 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

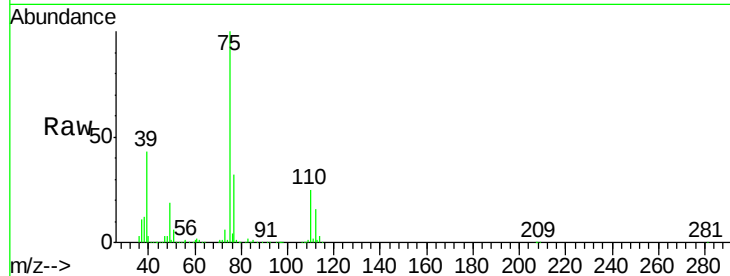
ClientSampleId :

Tot Ion: 75 Resp: 1000818

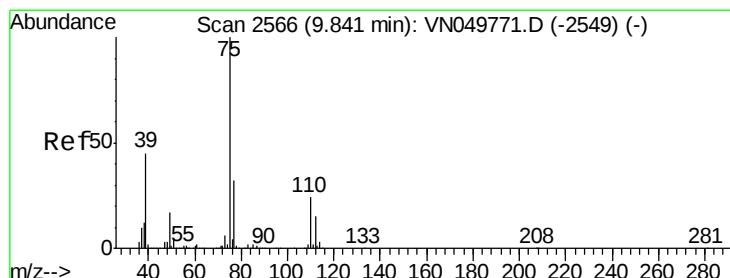
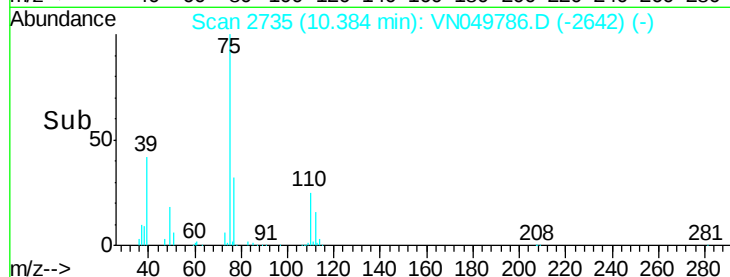
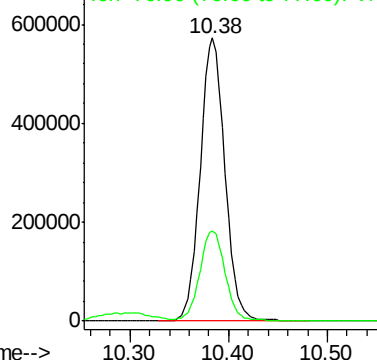
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 48.040 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

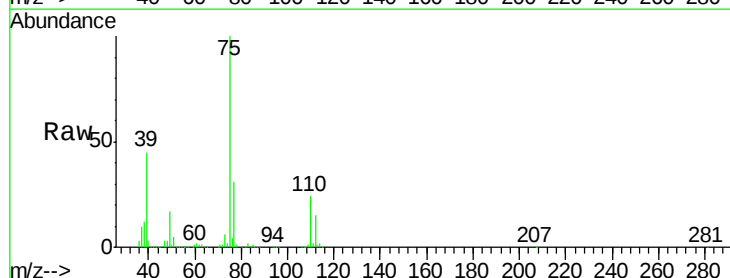
Tgt Ion: 75 Resp: 1163031

Ion Ratio Lower Upper

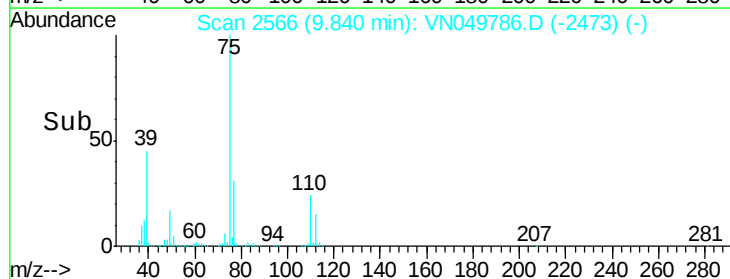
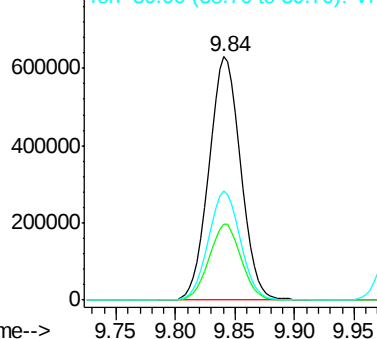
75 100

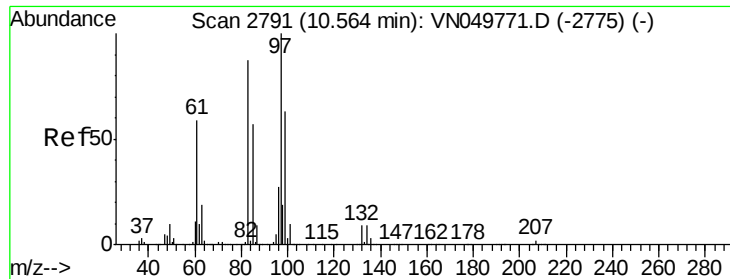
77 31.4 25.3 37.9

39 44.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO

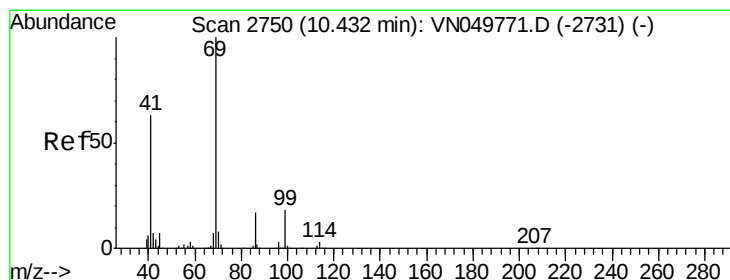
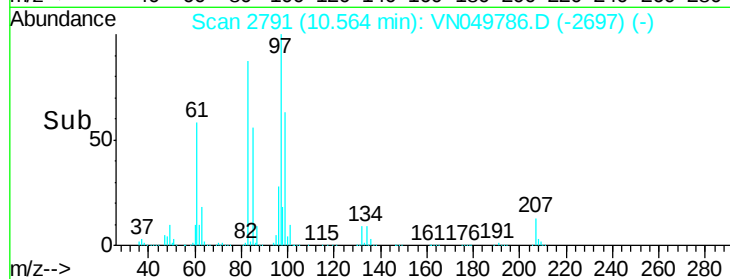
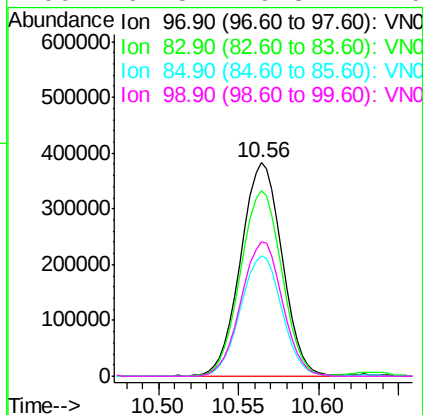
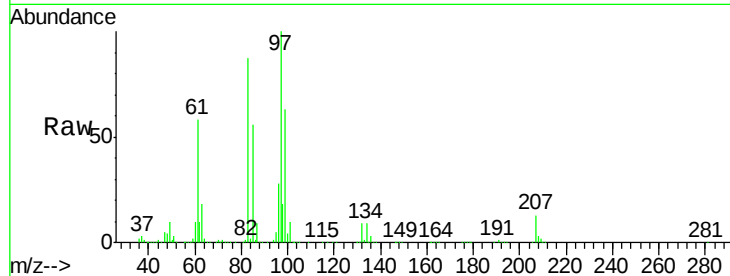




#55
 1,1,2-Trichloroethane
 Concen: 47.654 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

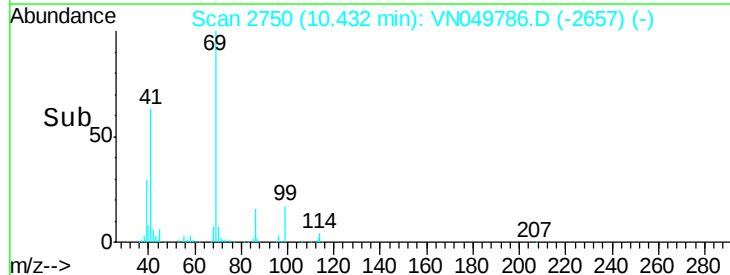
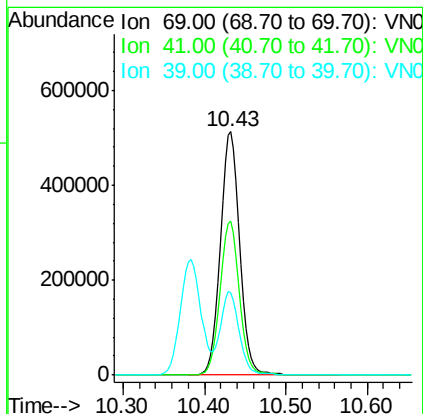
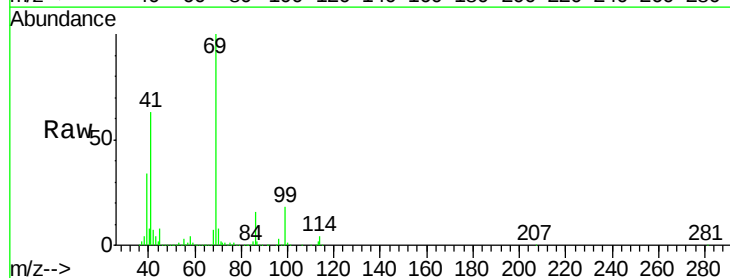
Instrument :
 MSVOA_N
 ClientSampled :

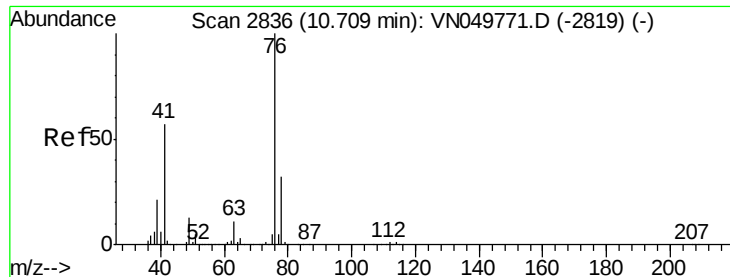
Tot Ion:	97	Resp:	678854
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.4	44.9	67.3
99	62.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 50.740 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:	69	Resp:	861762
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.6	77.4
39	32.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 47.197 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

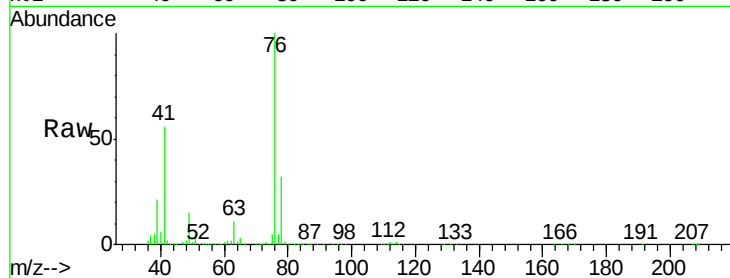
ClientSampleId :

Tot Ion: 76 Resp: 1131355

Ion Ratio Lower Upper

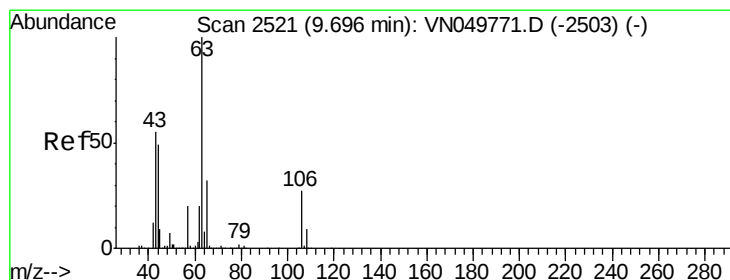
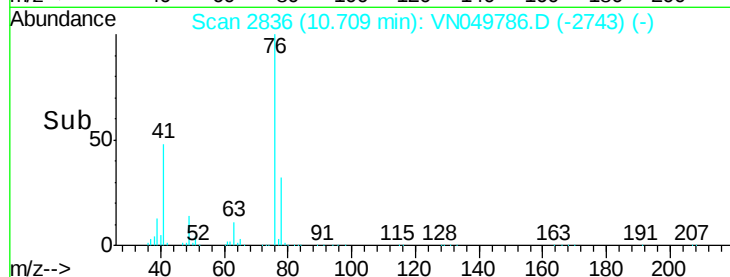
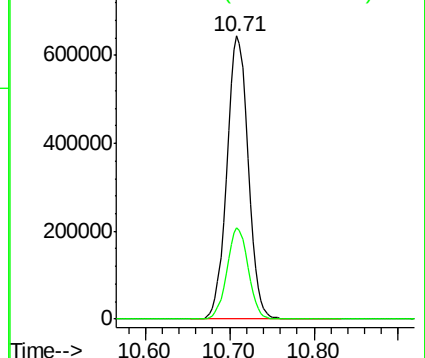
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 254.051 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049786.D

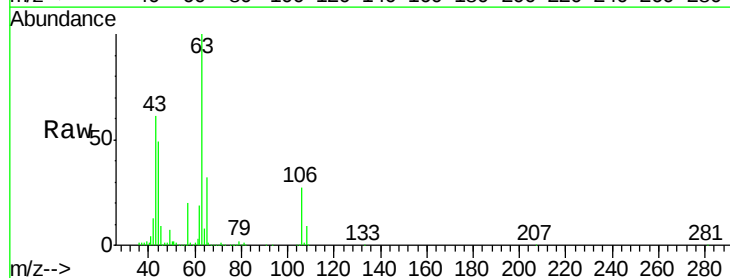
Acq: 12 Jul 2018 22:45

Tgt Ion: 63 Resp: 2069353

Ion Ratio Lower Upper

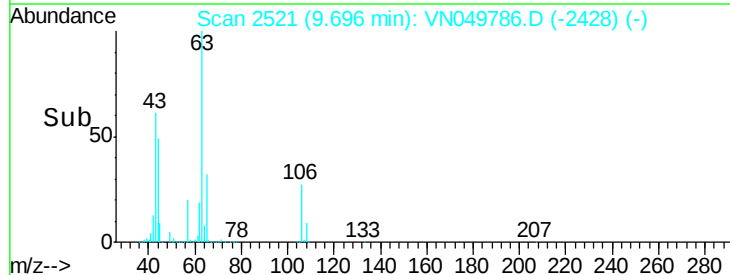
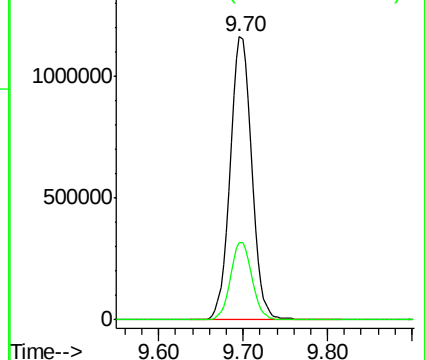
63 100

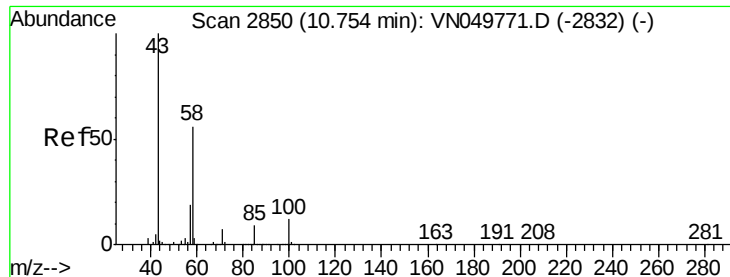
106 27.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

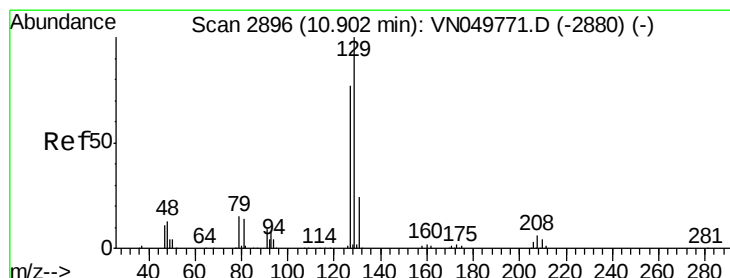
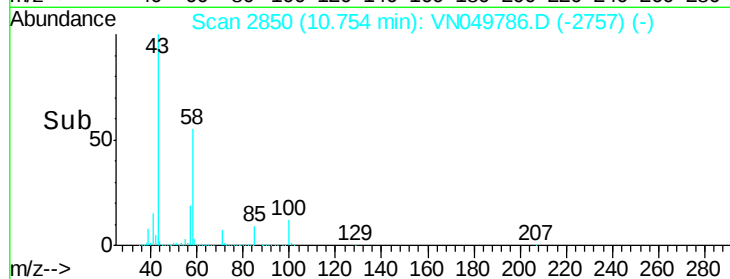
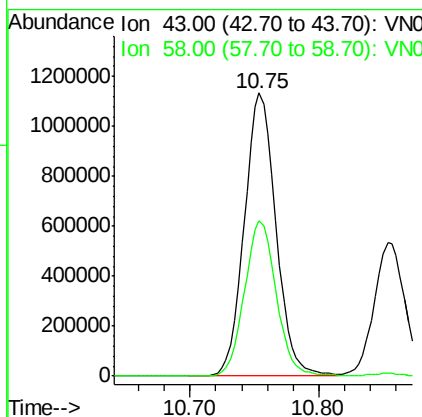
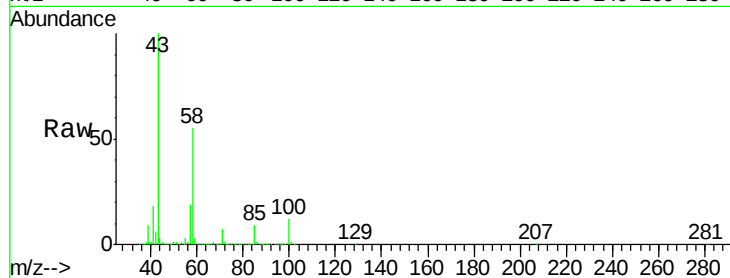




#59
2-Hexanone
Concen: 239.486 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

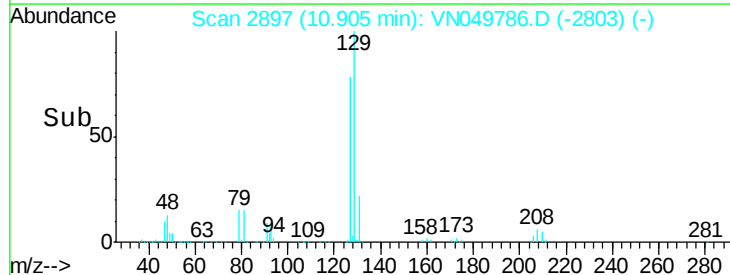
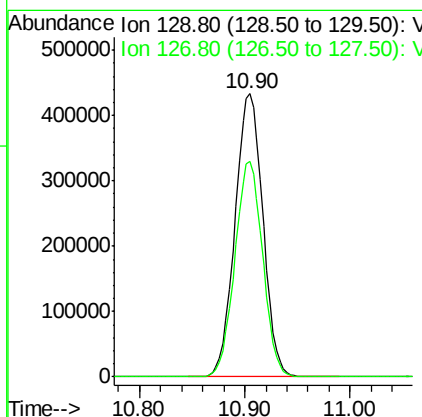
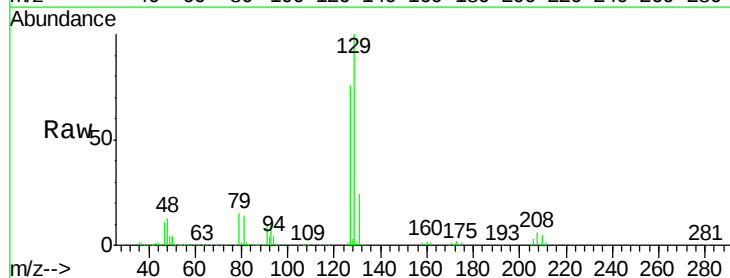
Instrument :
MSVOA_N
ClientSampled :

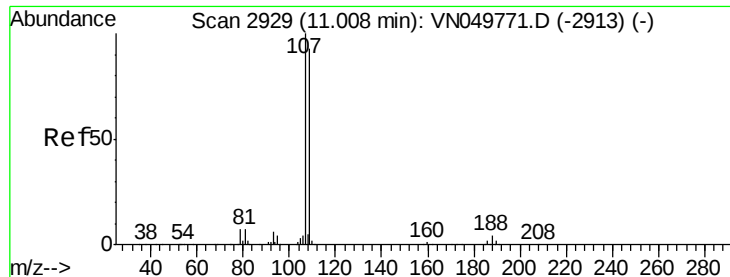
Tot Ion: 43 Resp: 1932824
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4



#60
Dibromochloromethane
Concen: 48.099 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 129 Resp: 792806
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 47.315 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

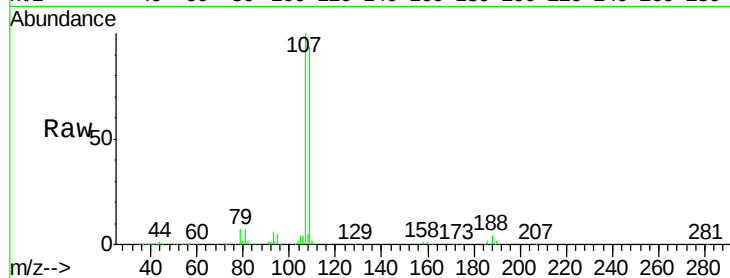
ClientSampleId :

Tot Ion:107 Resp: 647878

Ion Ratio Lower Upper

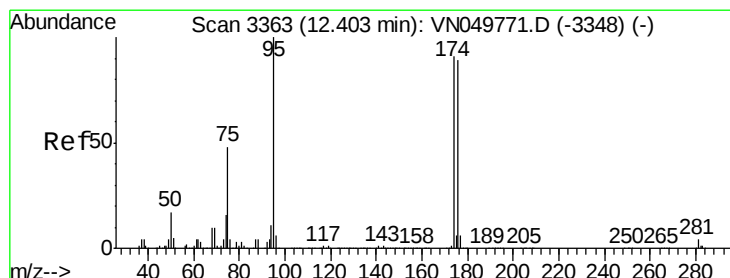
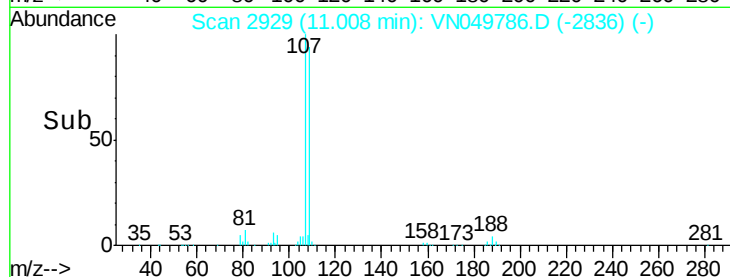
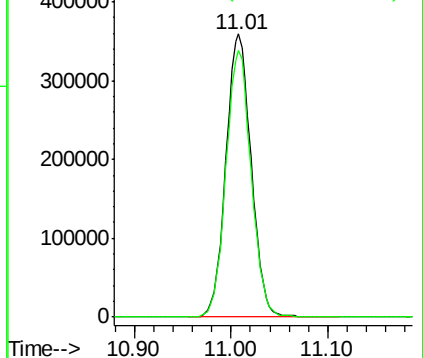
107 100

109 94.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.943 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

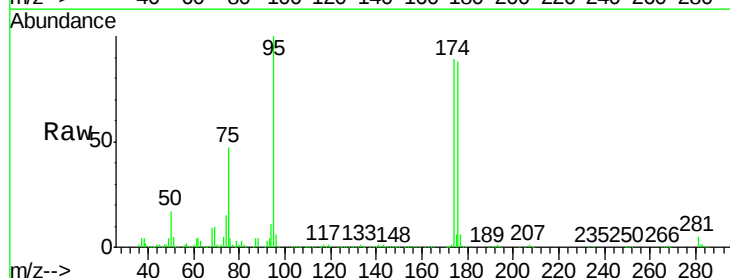
Tgt Ion: 95 Resp: 805738

Ion Ratio Lower Upper

95 100

174 89.7 0.0 179.6

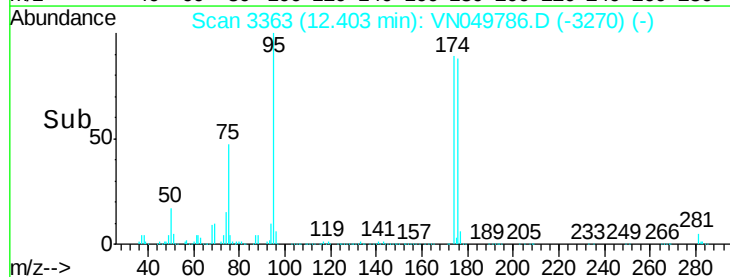
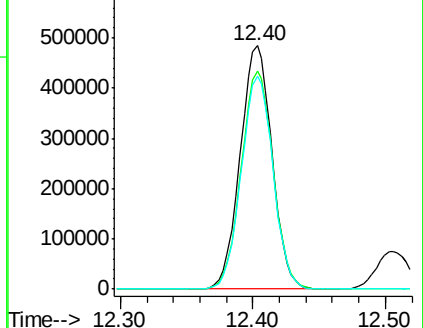
176 87.4 0.0 174.0

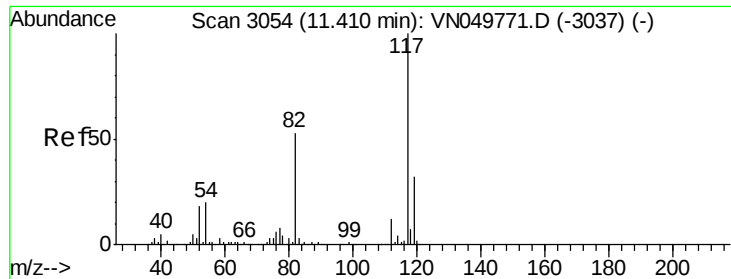


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

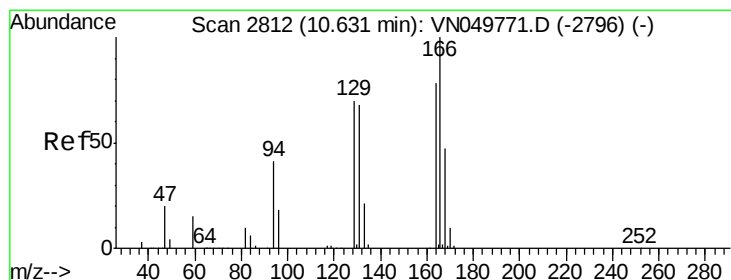
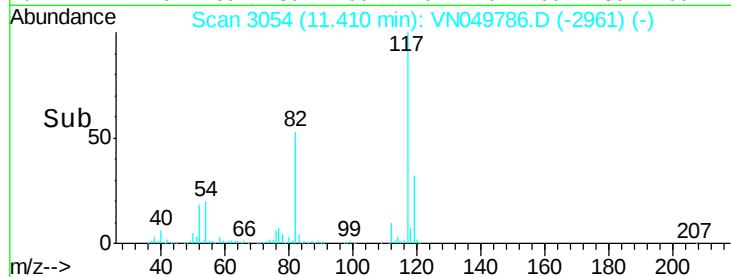
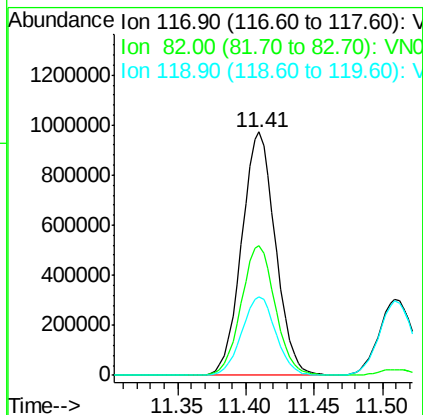
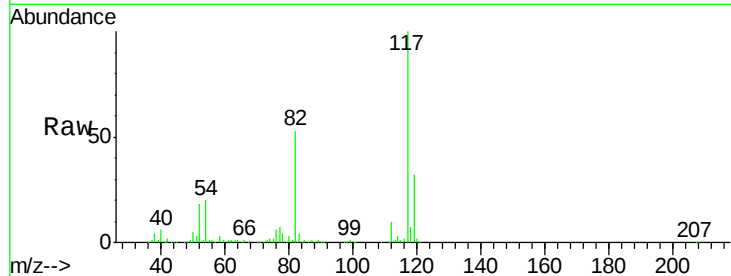




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

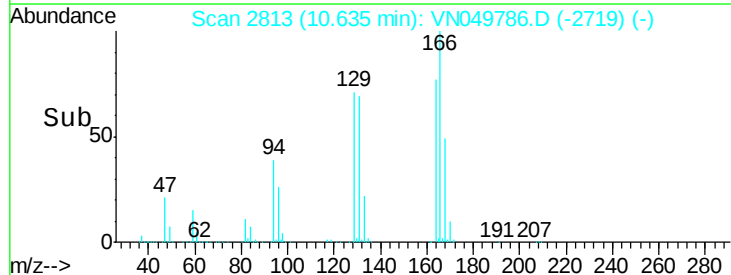
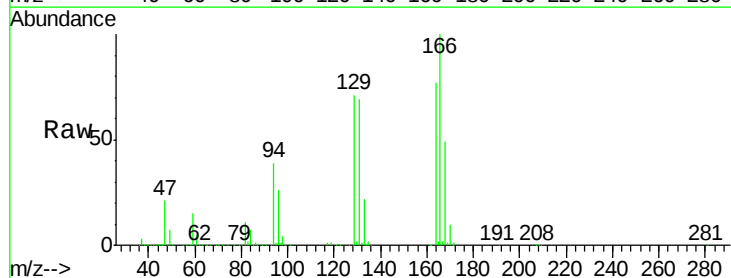
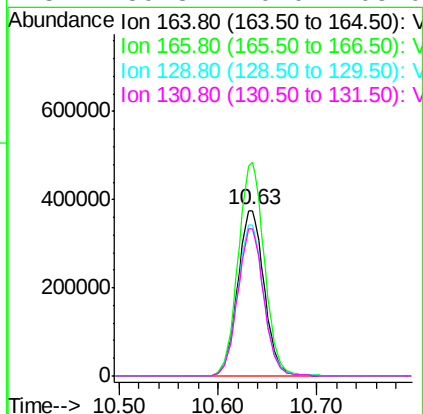
Instrument :
MSVOA_N
ClientSampleId :

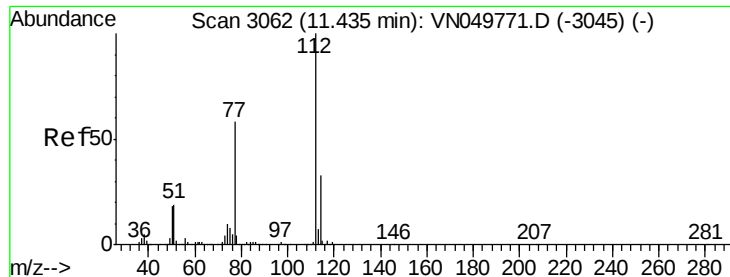
Tot Ion:117 Resp: 1670300
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 45.901 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:164 Resp: 696129
Ion Ratio Lower Upper
164 100
166 129.3 101.8 152.6
129 91.7 72.8 109.2
131 89.3 70.0 105.0

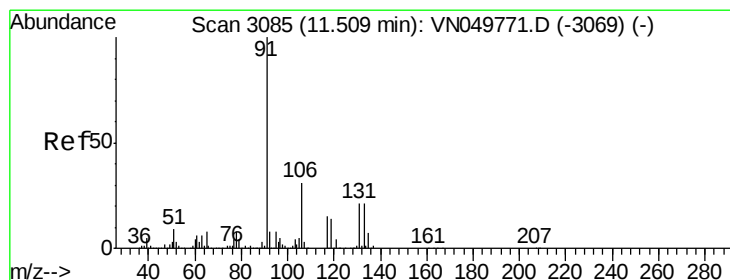
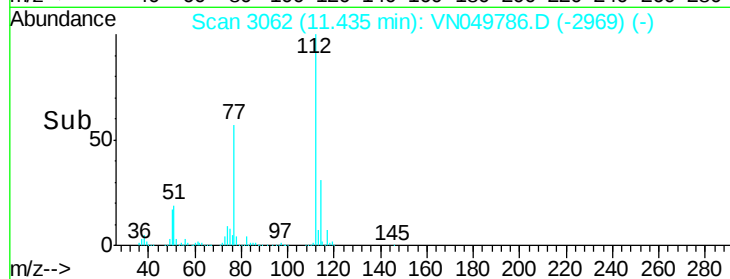
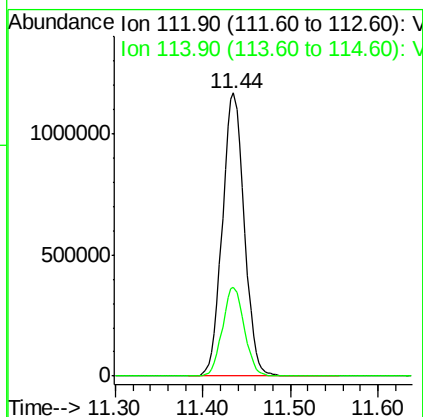
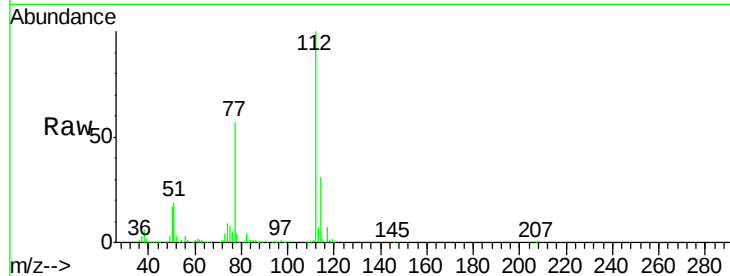




#65
Chlorobenzene
Concen: 46.632 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

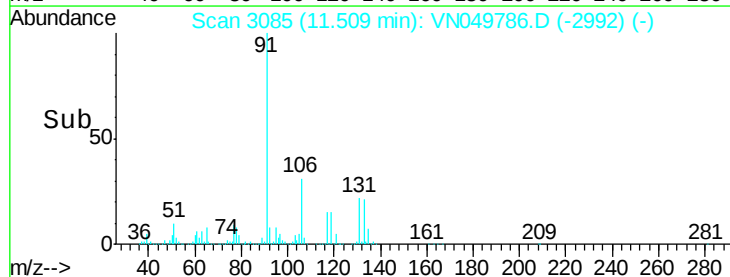
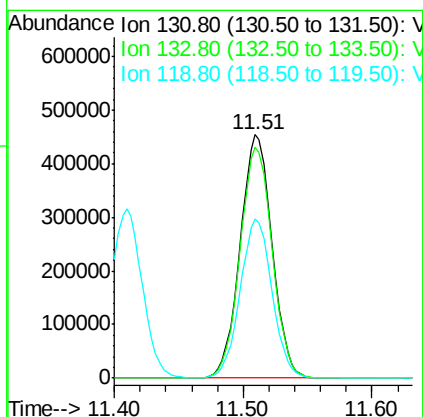
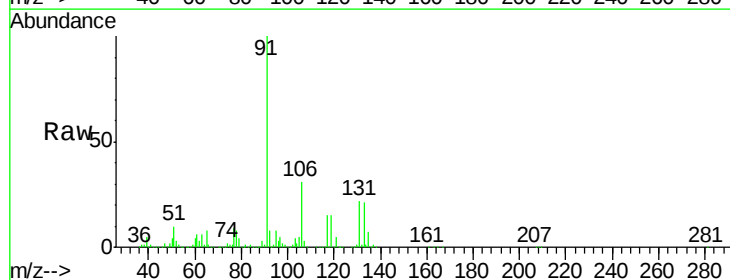
Instrument :
MSVOA_N
ClientSampled :

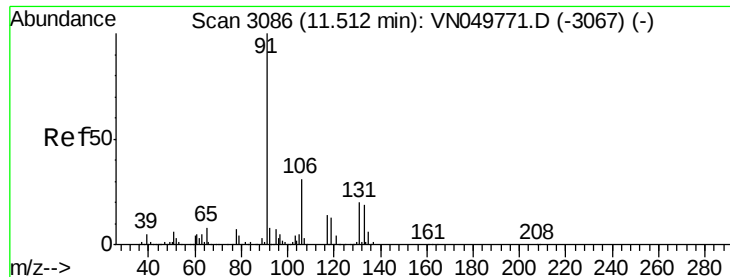
Tot Ion:112 Resp: 2029122
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.793 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:131 Resp: 782438
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 65.3 33.1 99.3





#67

Ethyl Benzene

Concen: 48.766 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

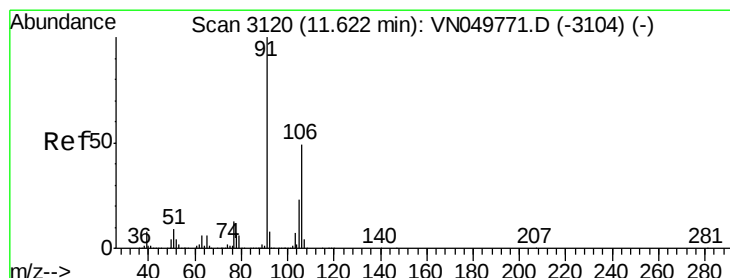
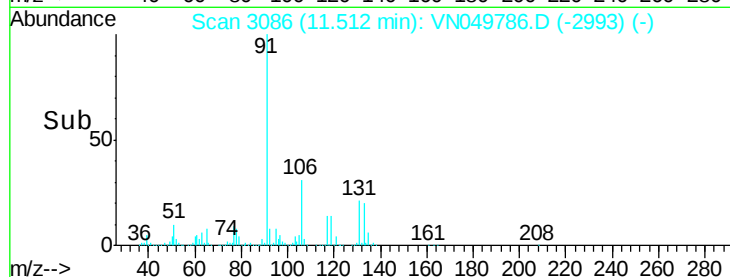
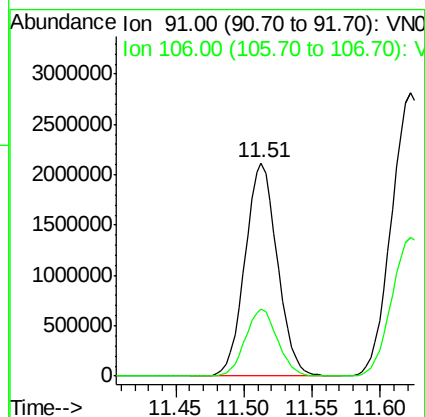
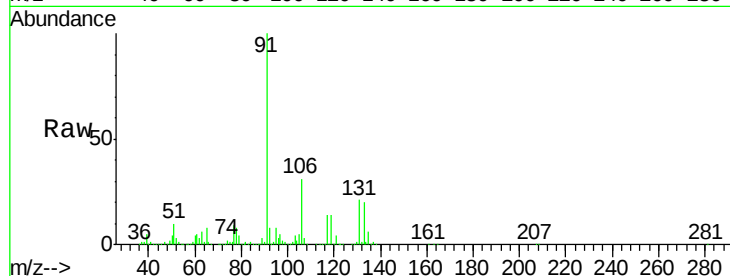
ClientSampleId :

Tot Ion: 91 Resp: 3474855

Ion Ratio Lower Upper

91 100

106 31.3 24.8 37.2



#68

m/p-Xylenes

Concen: 99.648 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049786.D

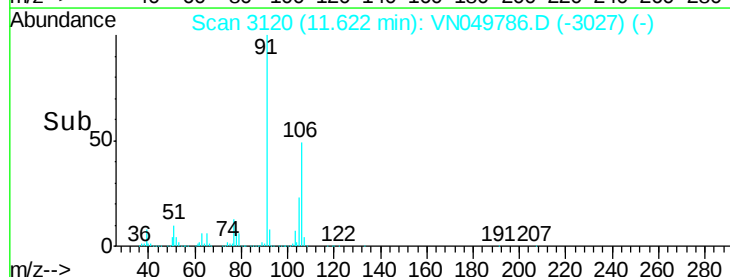
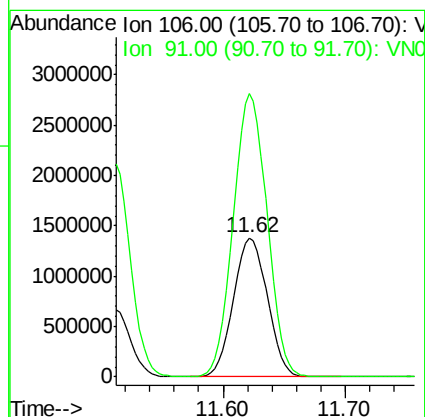
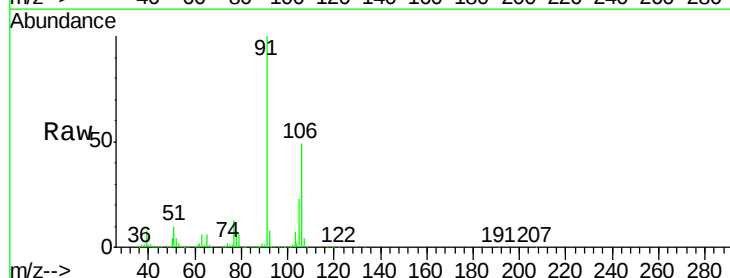
Acq: 12 Jul 2018 22:45

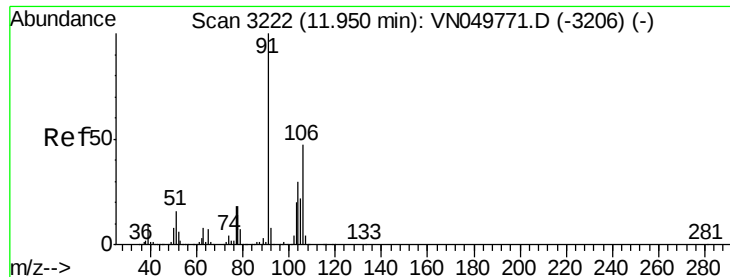
Tgt Ion: 106 Resp: 2665045

Ion Ratio Lower Upper

106 100

91 203.2 163.4 245.2

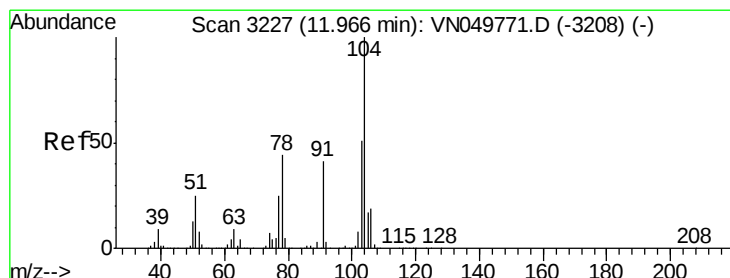
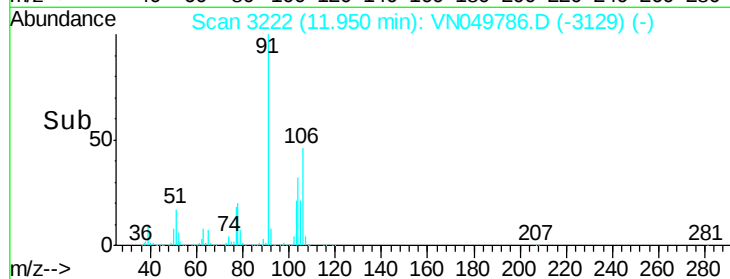
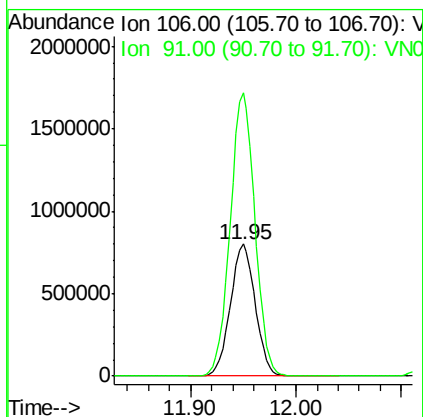
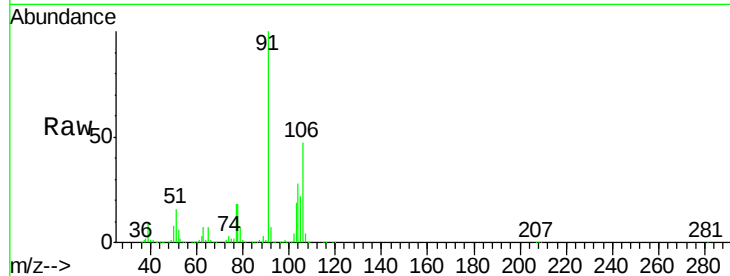




#69
o-Xylene
Concen: 50.246 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

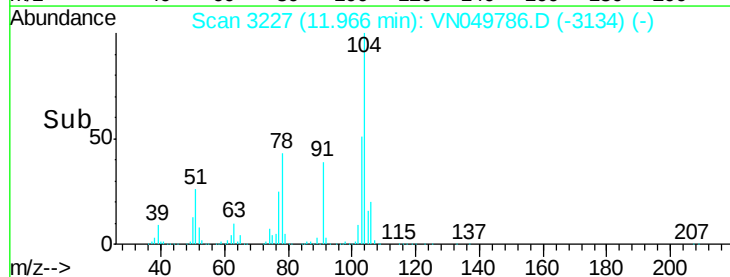
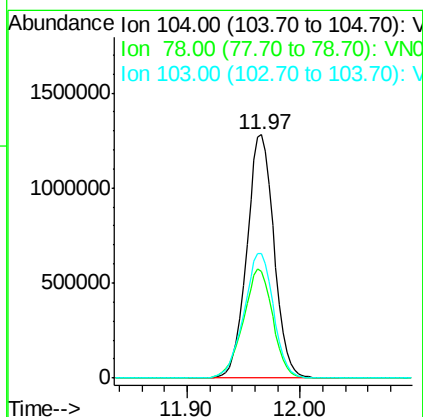
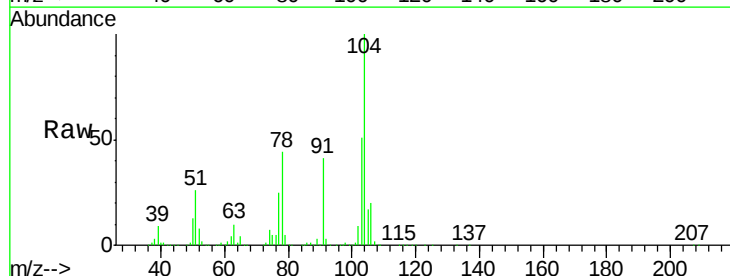
Instrument :
MSVOA_N
ClientSampleId :

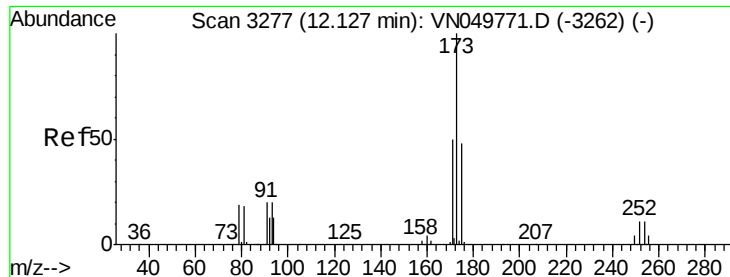
Tot Ion:106 Resp: 1298179
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.1



#70
Styrene
Concen: 52.169 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:104 Resp: 2141028
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 48.031 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

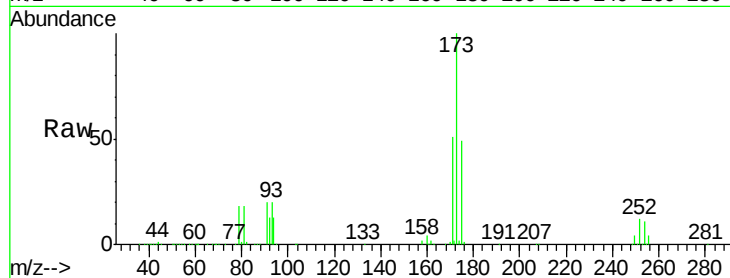
Tot Ion:173 Resp: 531291

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

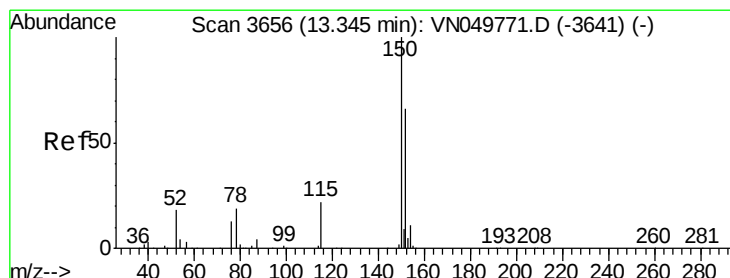
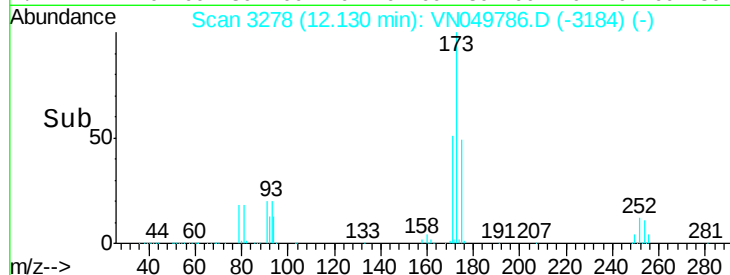
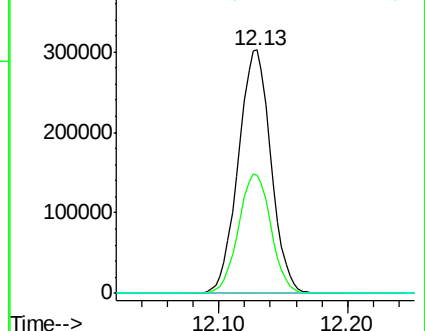
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

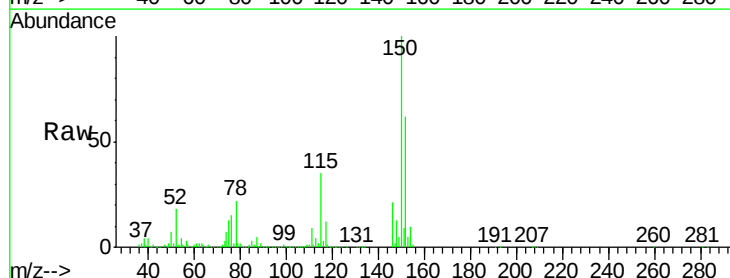
Tgt Ion:152 Resp: 884226

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

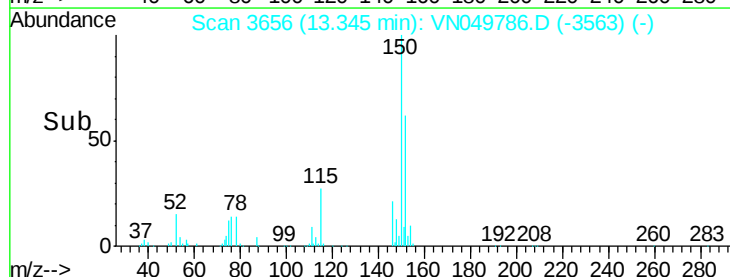
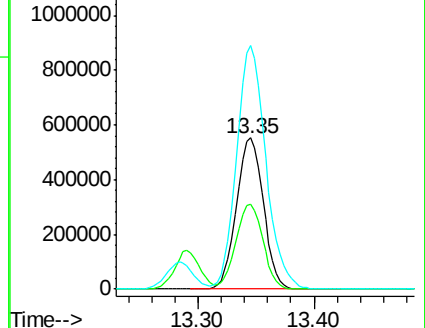
150 175.2 0.0 347.6

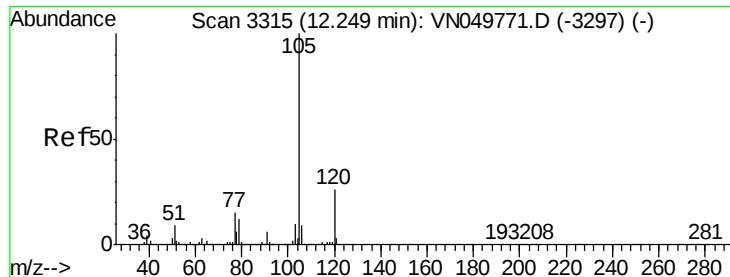


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.260 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

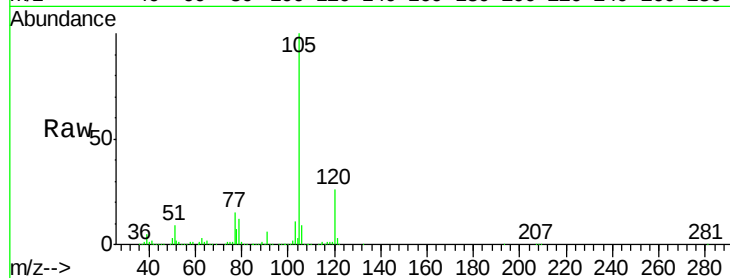
ClientSampleId :

Tot Ion:105 Resp: 3472929

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

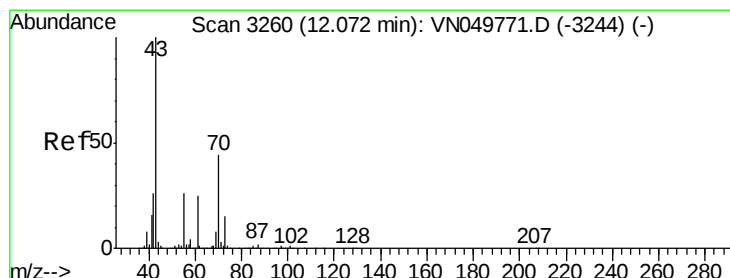
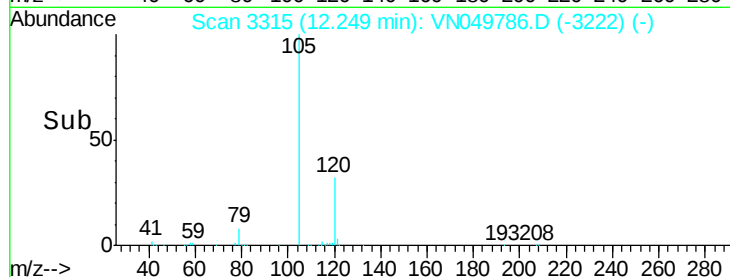
500000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 48.940 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion: 43 Resp: 935589

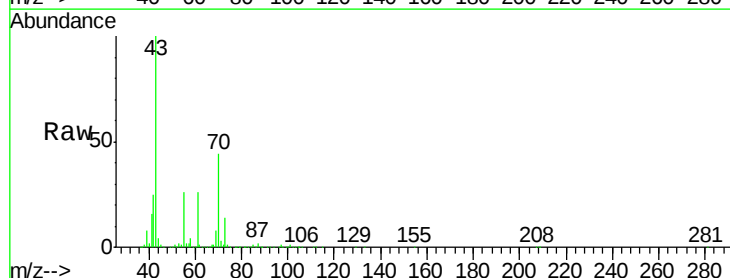
Ion Ratio Lower Upper

43 100

70 43.4 34.8 52.2

55 26.3 20.9 31.3

61 25.2 19.9 29.9



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

800000

600000

400000

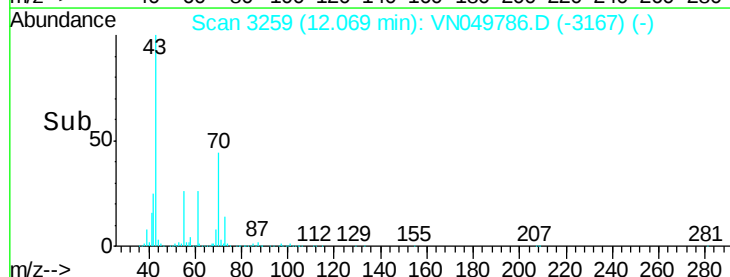
200000

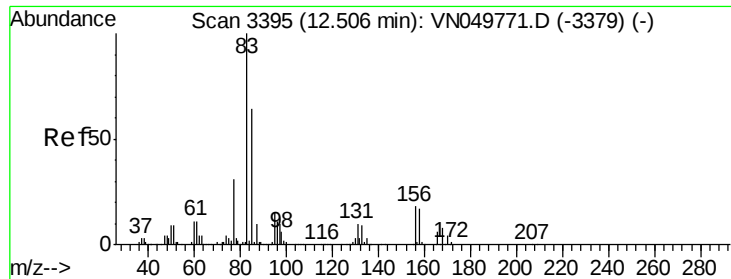
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.920 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

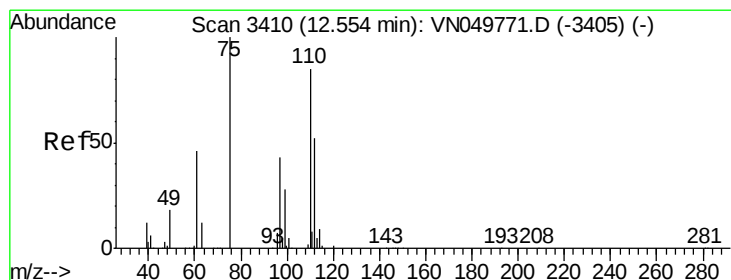
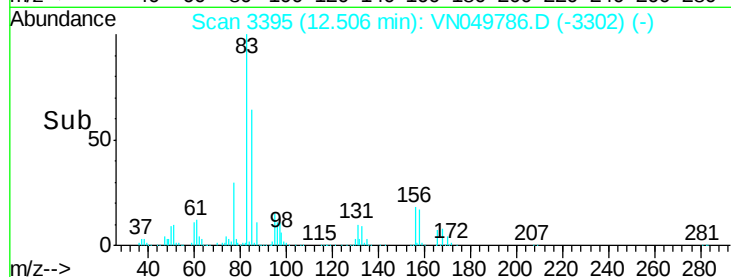
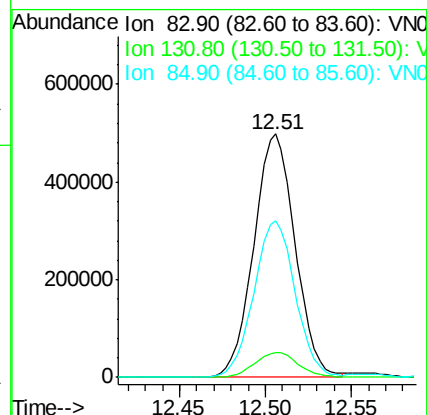
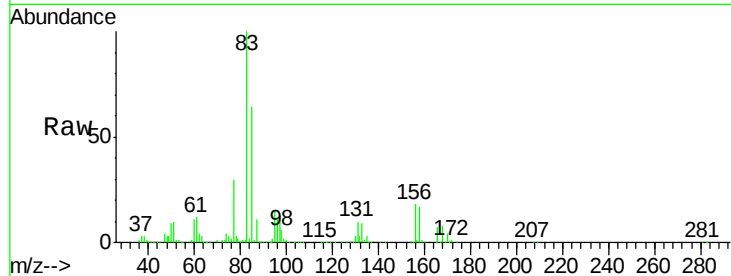
Tot Ion: 83 Resp: 829139

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

85 64.4 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 63.877 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049786.D

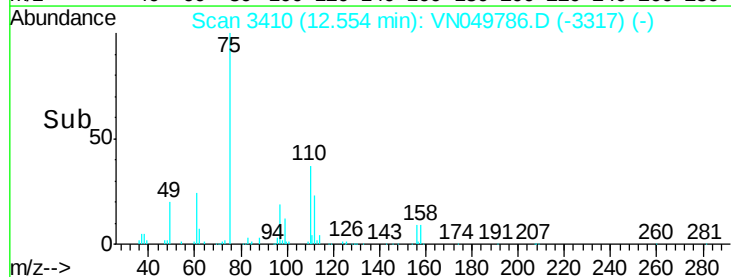
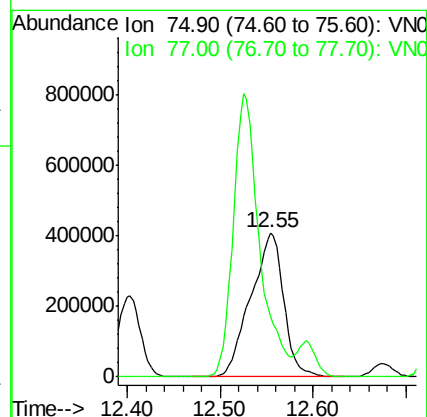
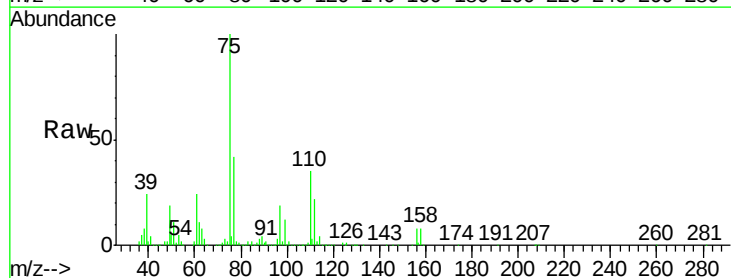
Acq: 12 Jul 2018 22:45

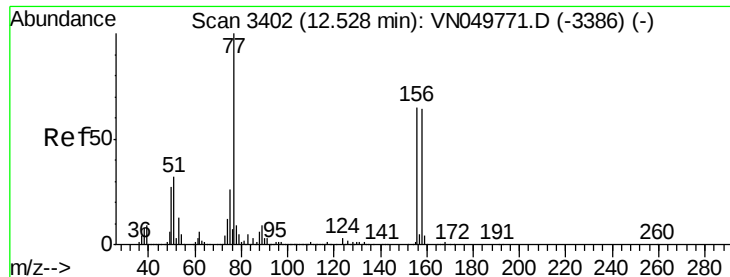
Tgt Ion: 75 Resp: 1003390

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.600 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

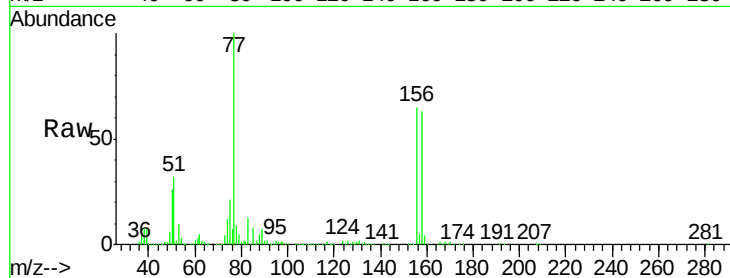
Tot Ion:156 Resp: 888956

Ion Ratio Lower Upper

156 100

77 178.0 90.2 270.6

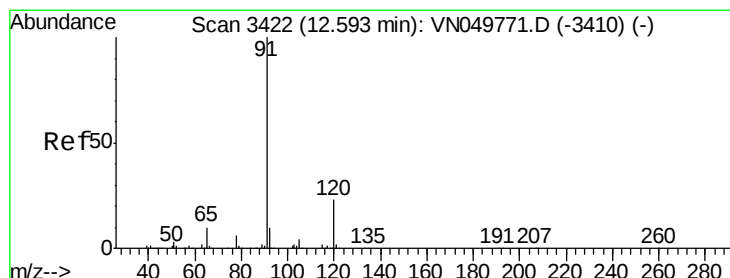
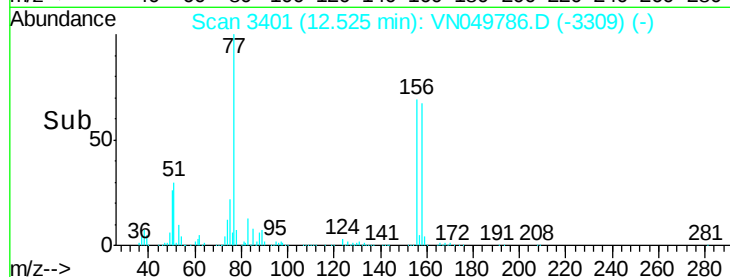
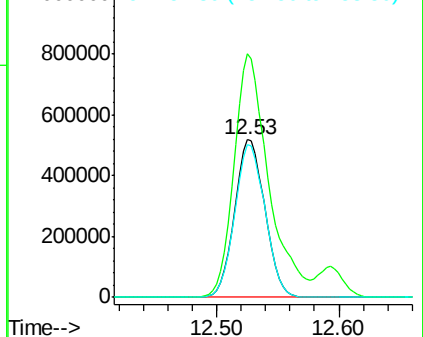
158 97.3 49.1 147.3



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: 48.187 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049786.D

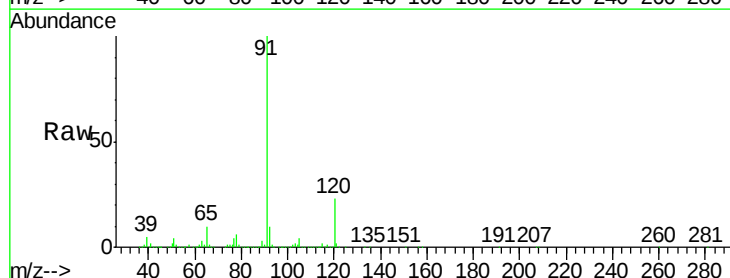
Acq: 12 Jul 2018 22:45

Tgt Ion: 91 Resp: 3992442

Ion Ratio Lower Upper

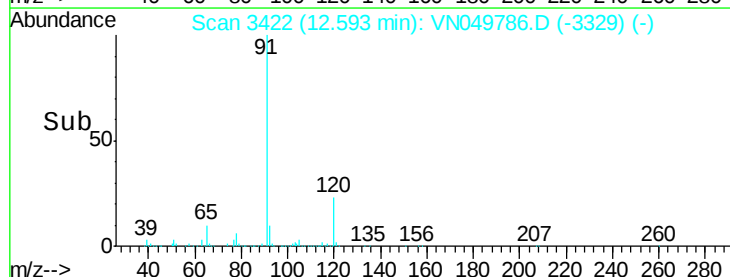
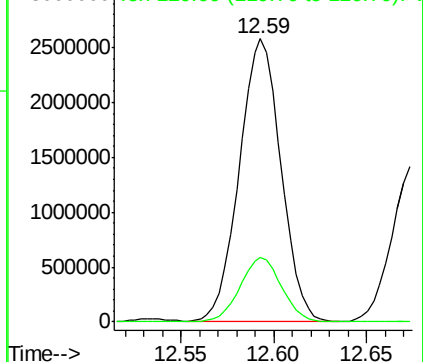
91 100

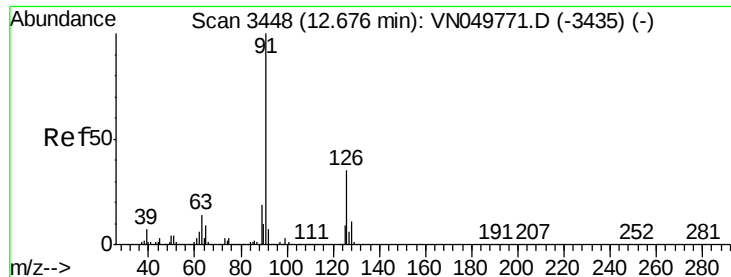
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.861 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

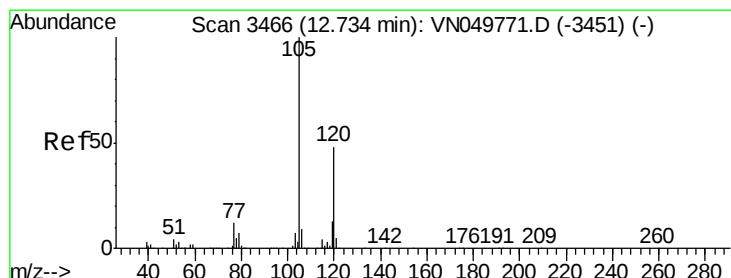
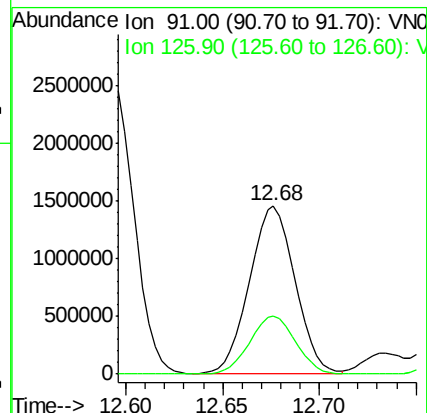
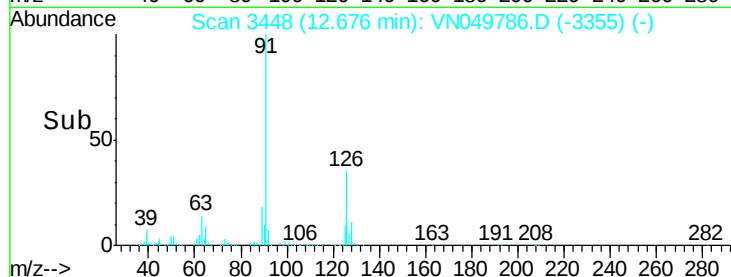
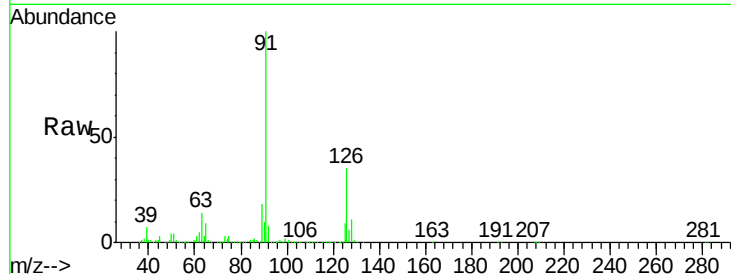
ClientSampled :

Tot Ion: 91 Resp: 2376135

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 48.664 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049786.D

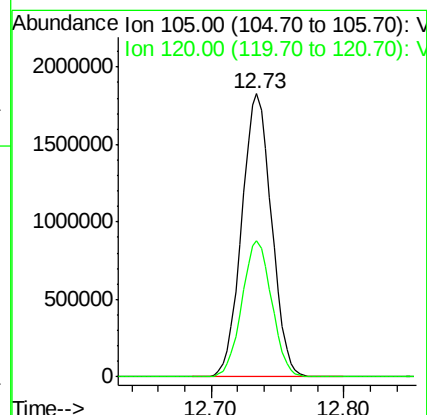
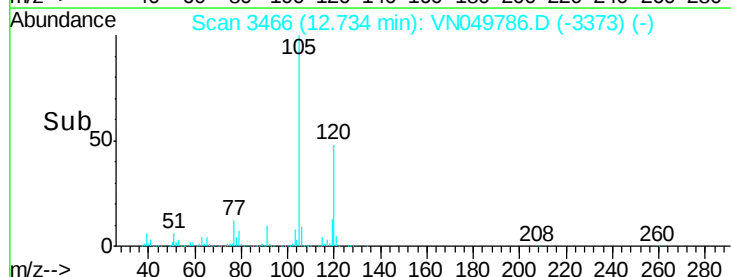
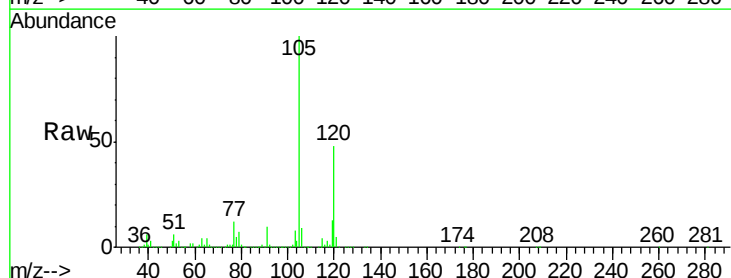
Acq: 12 Jul 2018 22:45

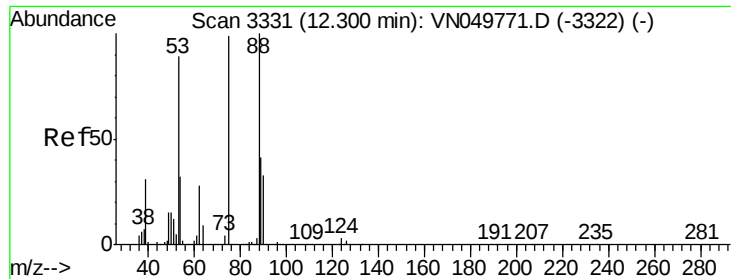
Tgt Ion: 105 Resp: 2841913

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.087 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

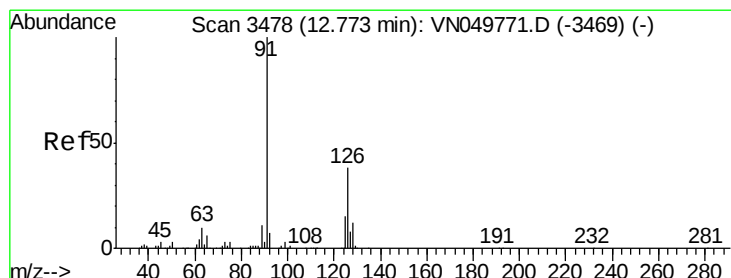
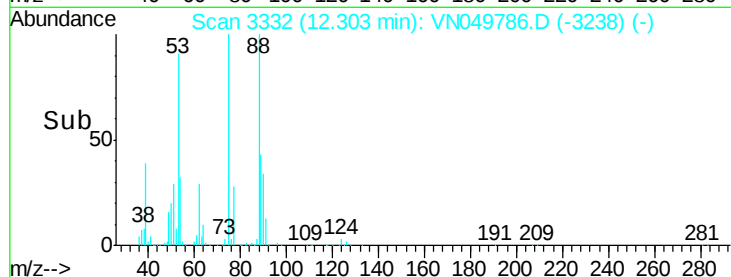
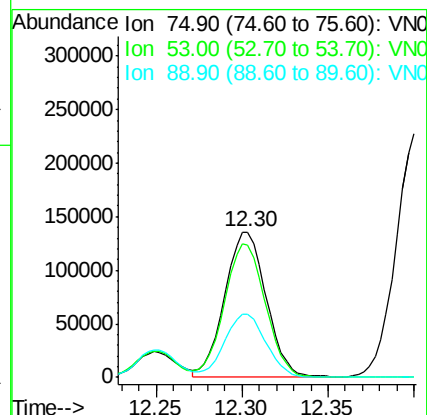
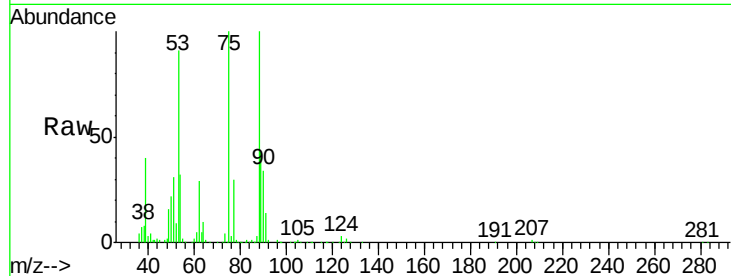
Tot Ion: 75 Resp: 229038

Ion Ratio Lower Upper

75 100

53 91.1 73.9 110.9

89 42.8 35.9 53.9



#82

4-Chlorotoluene

Concen: 47.681 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049786.D

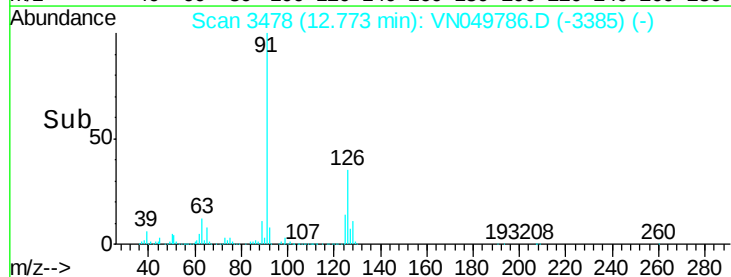
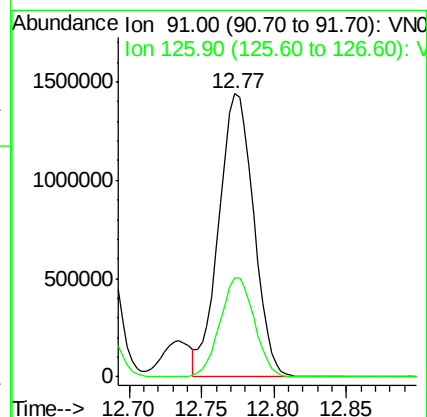
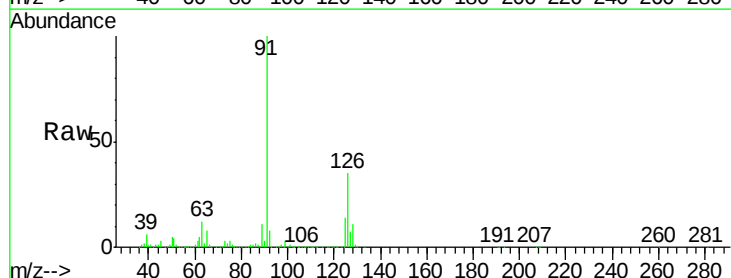
Acq: 12 Jul 2018 22:45

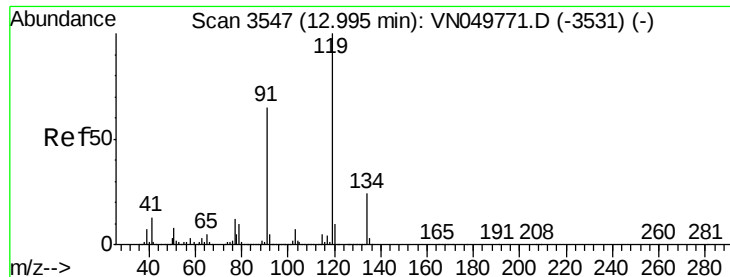
Tgt Ion: 91 Resp: 2397953

Ion Ratio Lower Upper

91 100

126 34.5 17.2 51.6





#83

tert-Butylbenzene

Concen: 47.428 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampled :

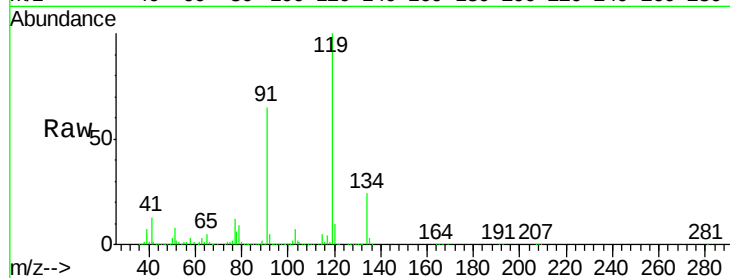
Tot Ion:119 Resp: 2478146

Ion Ratio Lower Upper

119 100

91 63.5 32.0 96.2

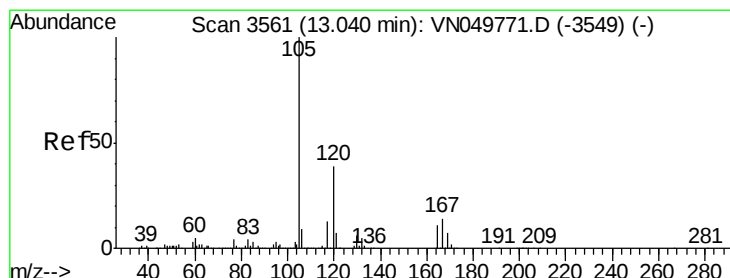
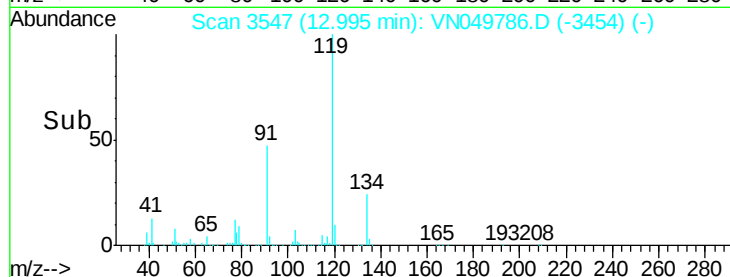
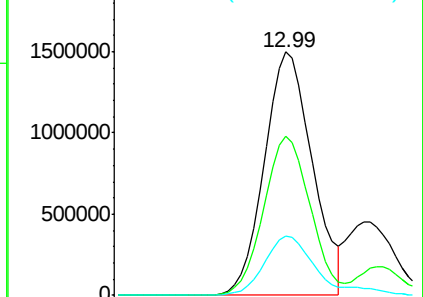
134 26.6 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.616 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049786.D

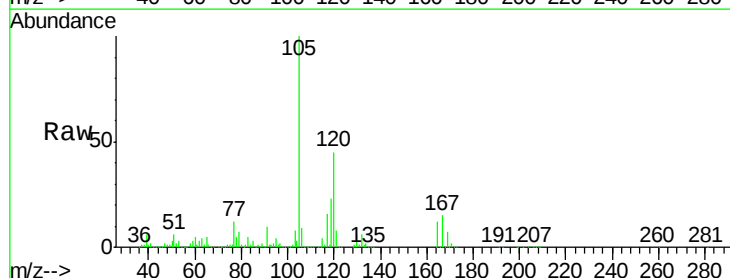
Acq: 12 Jul 2018 22:45

Tgt Ion:105 Resp: 2905803

Ion Ratio Lower Upper

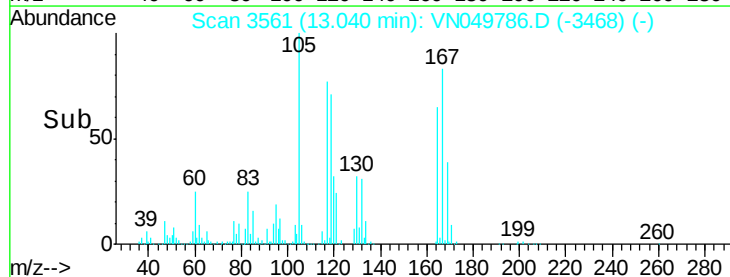
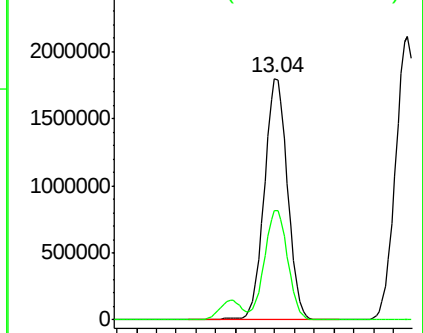
105 100

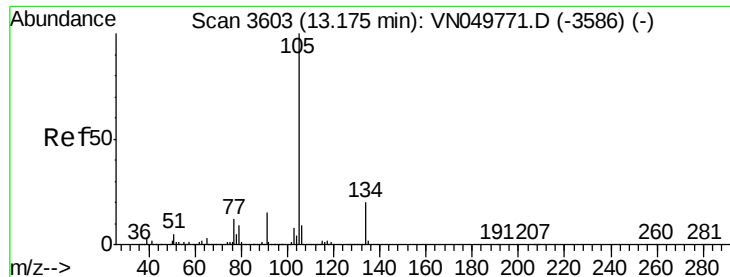
120 45.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

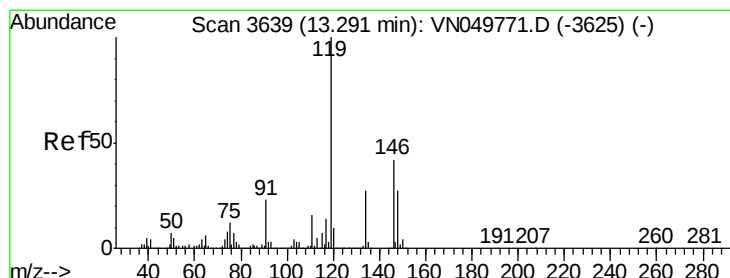
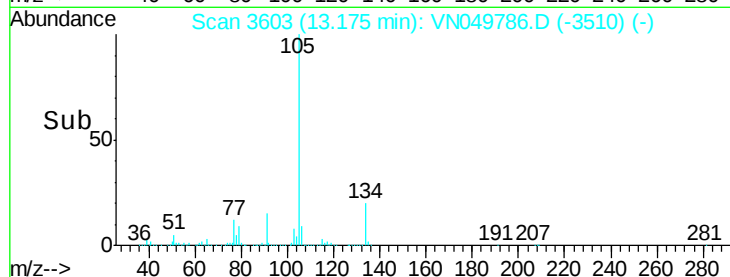
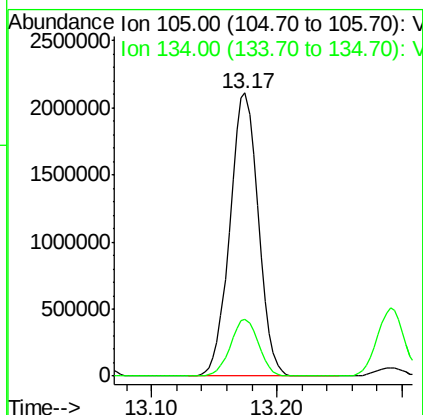
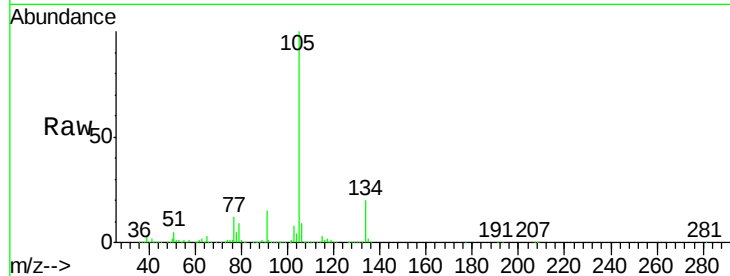




#85
 sec-Butylbenzene
 Concen: 48.376 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

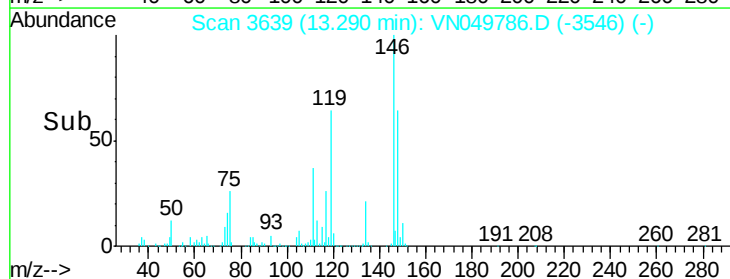
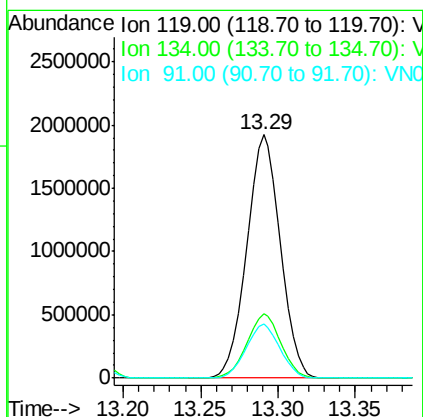
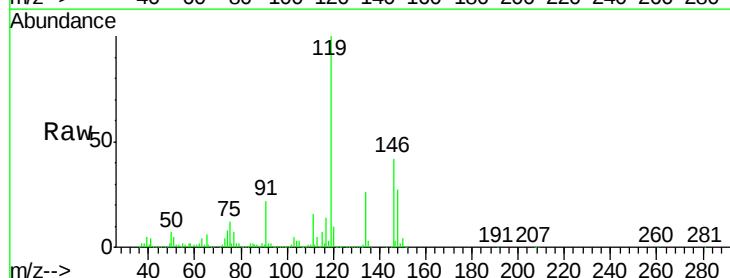
Instrument :
 MSVOA_N
 ClientSampleId :

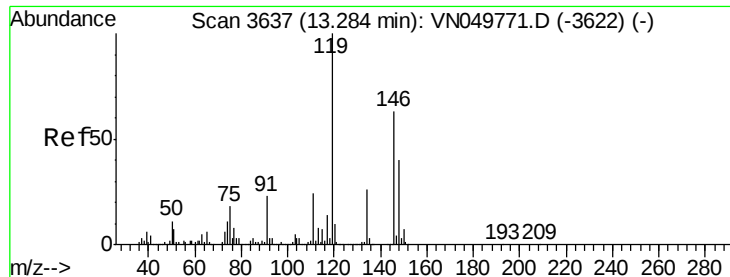
Tot Ion:105 Resp: 3312689
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 49.946 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:119 Resp: 2894226
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.4 11.4 34.1

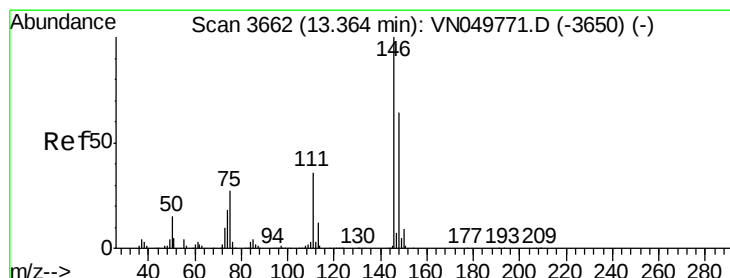
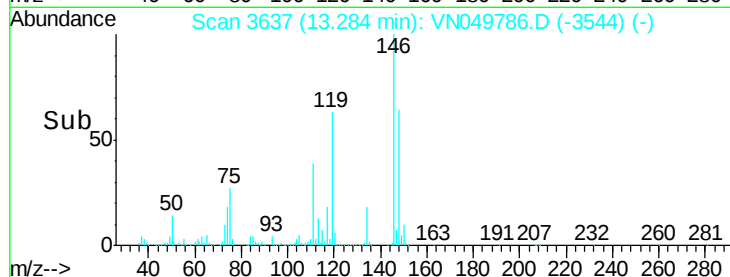
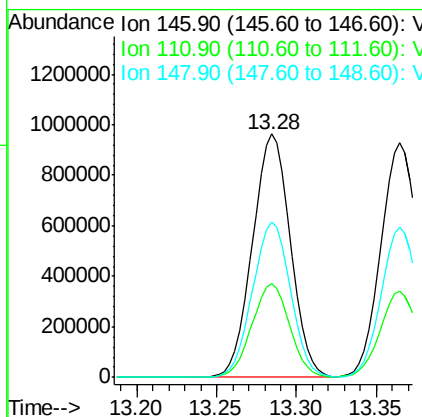
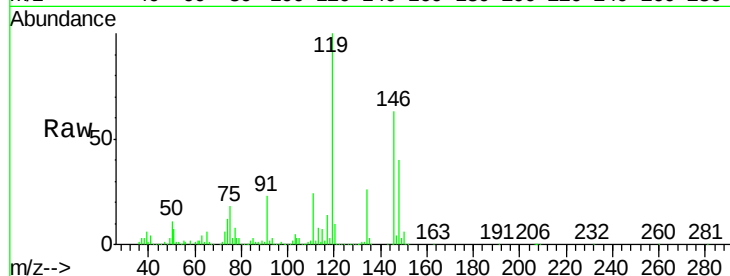




#87
 1,3-Dichlorobenzene
 Concen: 46.373 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

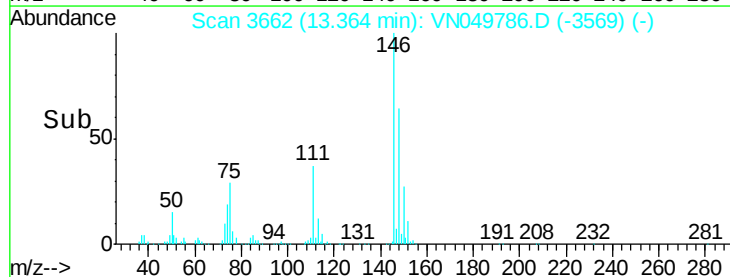
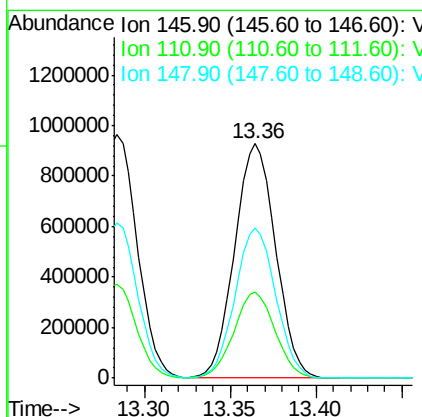
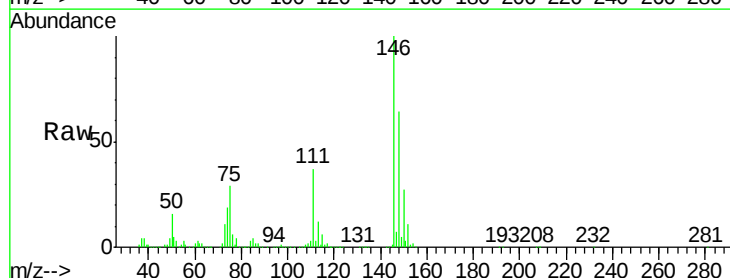
Instrument :
 MSVOA_N
 ClientSampleId :

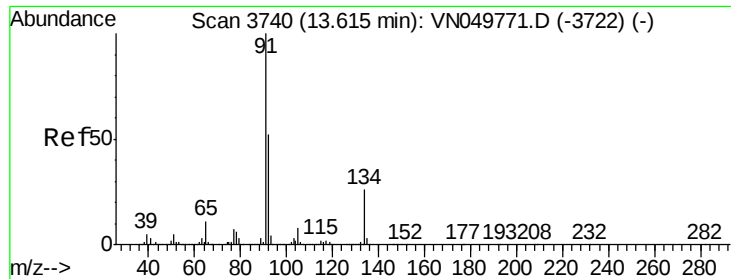
Tot Ion:146 Resp: 1567388
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 46.606 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:146 Resp: 1531430
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.5
 148 63.6 32.1 96.3

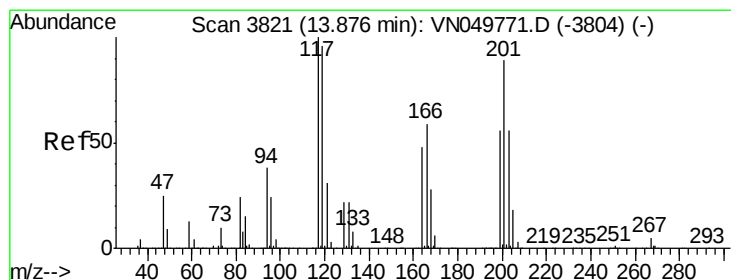
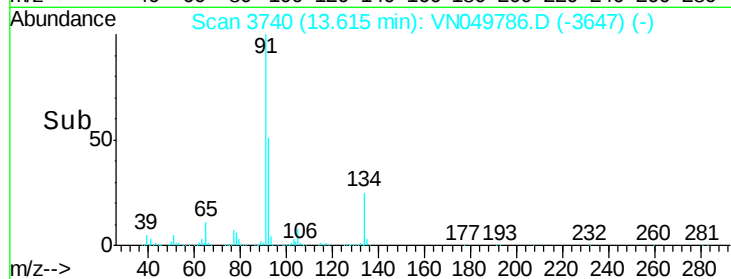
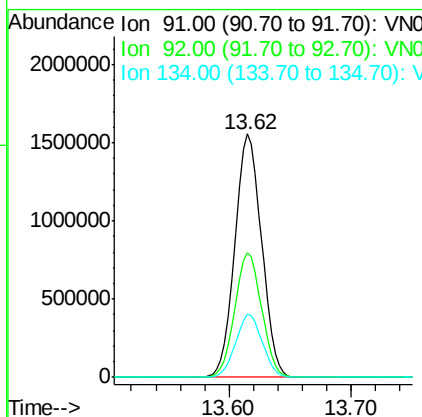
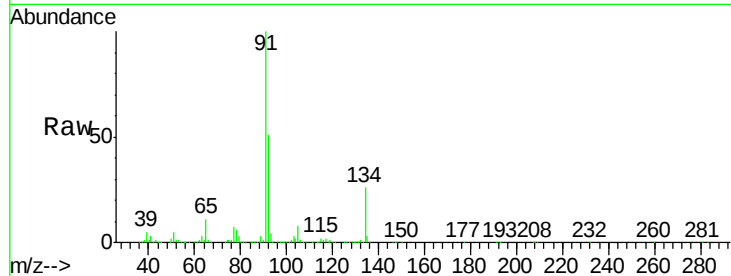




#89
n-Butylbenzene
Concen: 49.222 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

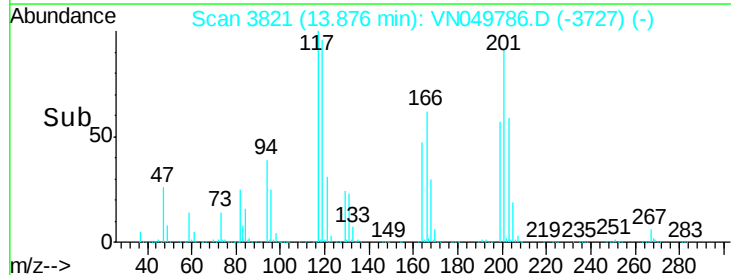
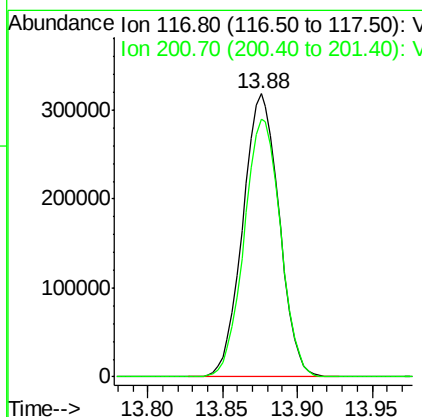
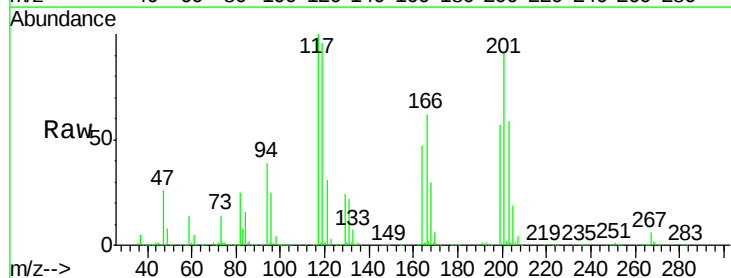
Instrument :
MSVOA_N
ClientSampled :

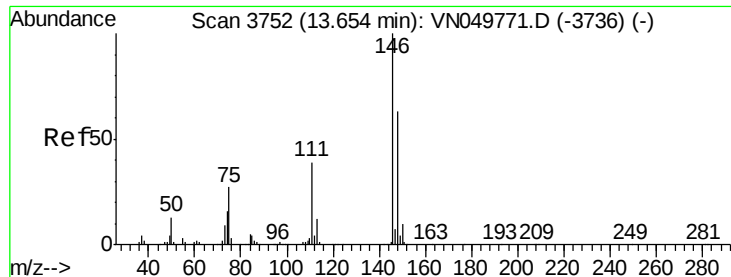
Tot Ion: 91 Resp: 2354626
Ion Ratio Lower Upper
91 100
92 51.3 25.8 77.3
134 25.9 13.0 38.9



#90
Hexachloroethane
Concen: 47.910 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 117 Resp: 537609
Ion Ratio Lower Upper
117 100
201 91.3 45.3 135.8

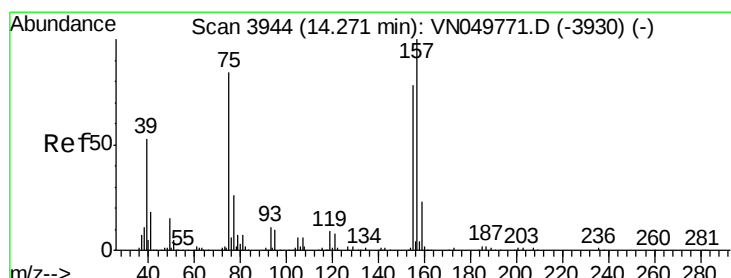
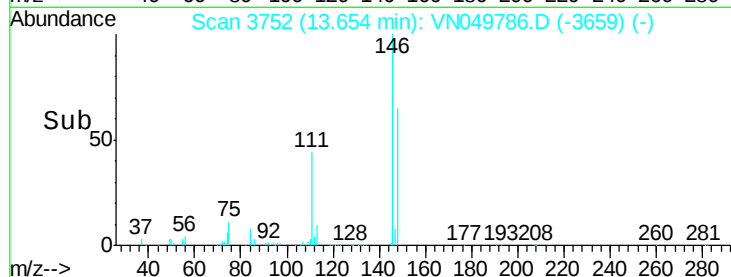
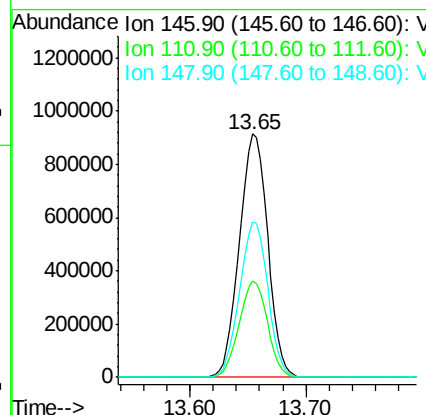
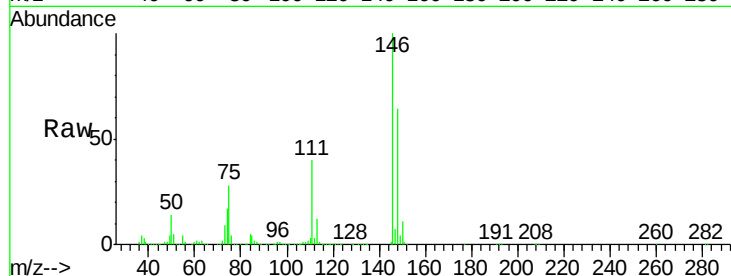




#91
 1,2-Dichlorobenzene
 Concen: 46.852 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

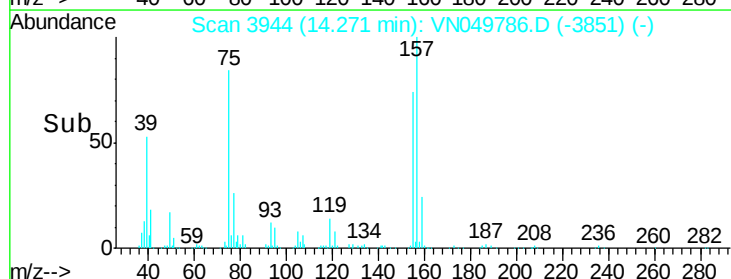
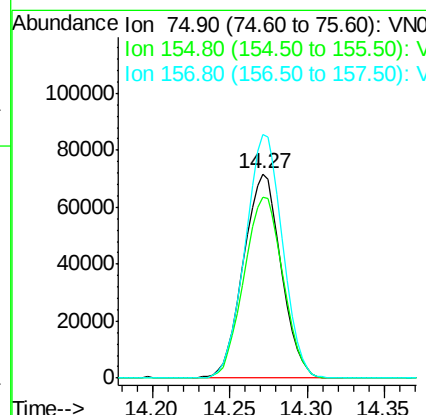
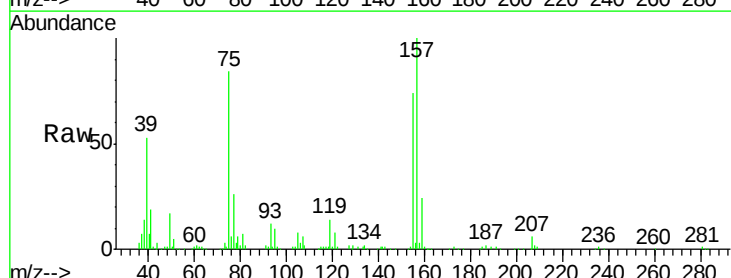
Instrument :
 MSVOA_N
 ClientSampleId :

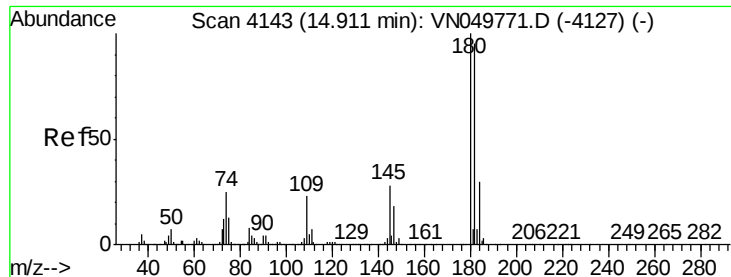
Tot Ion:146 Resp: 1545510
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.1
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.704 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion: 75 Resp: 121387
 Ion Ratio Lower Upper
 75 100
 155 92.1 45.7 137.1
 157 118.2 56.9 170.7

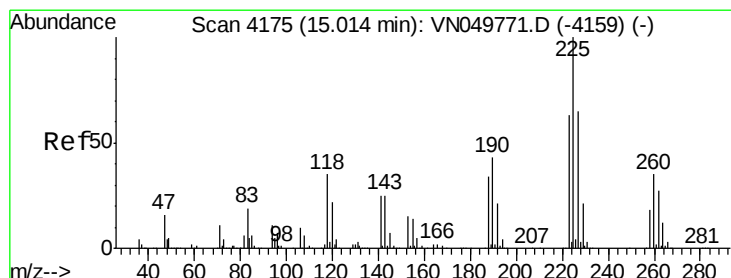
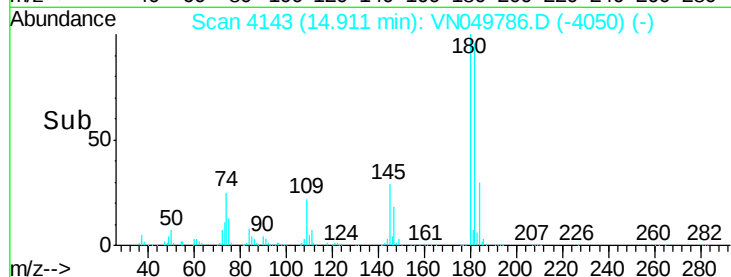
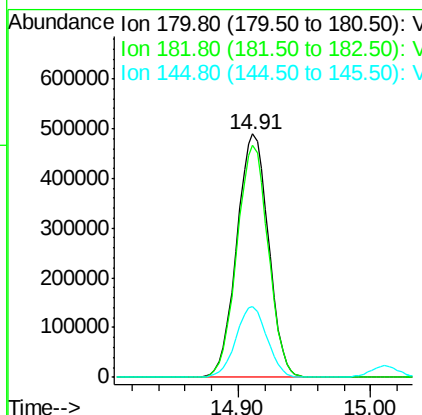
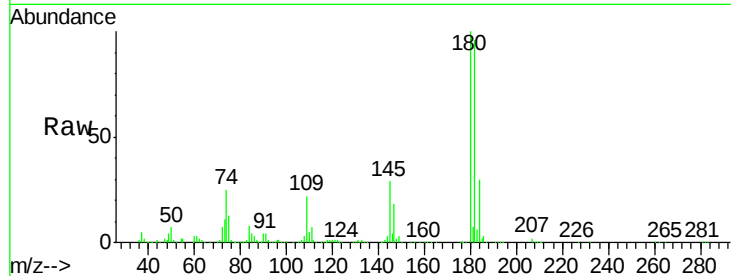




#93
 1,2,4-Trichlorobenzene
 Concen: 44.957 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

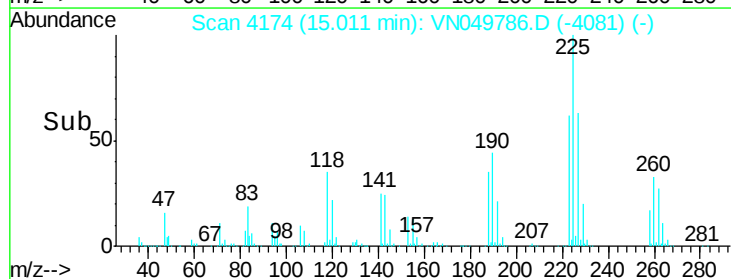
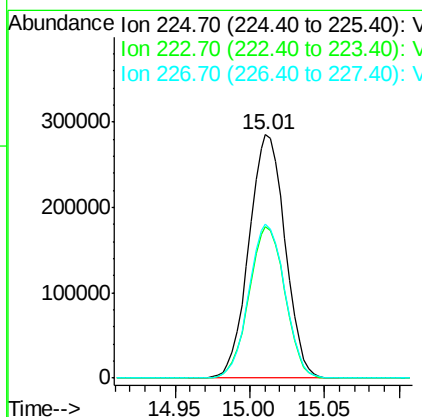
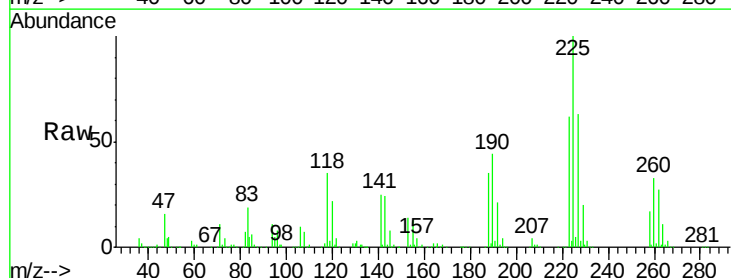
Instrument :
 MSVOA_N
 ClientSampled :

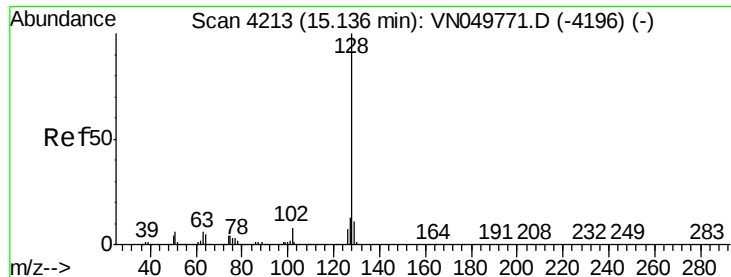
Tot Ion:180 Resp: 809096
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 141.9
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 47.442 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:225 Resp: 479504
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 63.0 31.8 95.4





#95

Naphthalene

Concen: 43.616 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

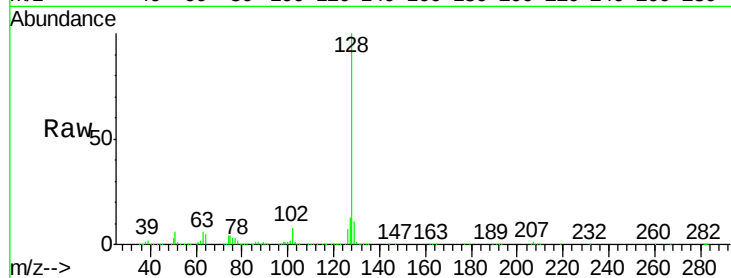
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1683511

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0



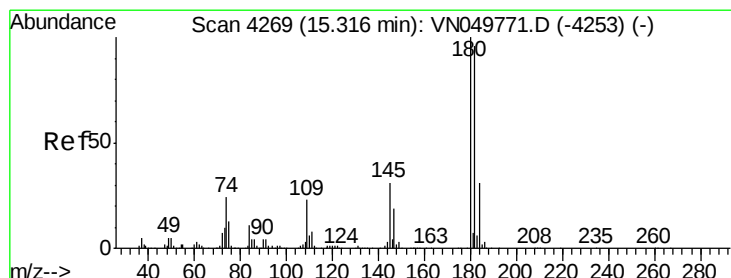
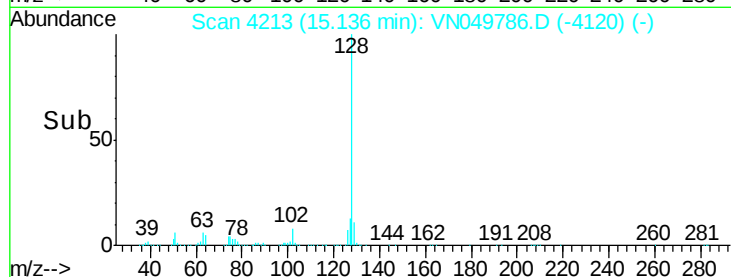
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.14

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 49.823 ug/l

RT: 15.32 min Scan# 4269

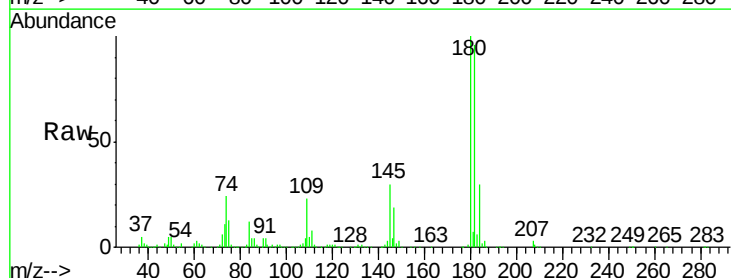
Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion:180 Resp: 797039

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	29.8	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

15.32

Time-->

