

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049486.D
 Acq On : 22 Jun 2018 12:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 22:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1451724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2024558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1880572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	973418	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	861317	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	7.59	113	782405	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.09	98	2891602	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.40	95	1018120	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	739092	44.23	ug/l	100
3) Chloromethane	2.06	50	930227	43.11	ug/l	98
4) Vinyl Chloride	2.19	62	1030545	44.94	ug/l	99
5) Bromomethane	2.56	94	566370	46.98	ug/l	96
6) Chloroethane	2.70	64	648259	47.41	ug/l	99
7) Trichlorofluoromethane	3.02	101	1437005	50.23	ug/l	100
8) Diethyl Ether	3.41	74	478955	47.95	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	891950	49.16	ug/l	93
10) Methyl Iodide	3.95	142	1085209	57.45	ug/l	93
11) Tert butyl alcohol	4.79	59	252275	223.23	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	793837	47.69	ug/l	91
13) Acrolein	3.61	56	279068	235.48	ug/l	97
14) Allyl chloride	4.32	41	1295219	49.28	ug/l	89
15) Acrylonitrile	4.99	53	1382208	244.60	ug/l	99
16) Acetone	3.82	43	1238028	264.81	ug/l	91
17) Carbon Disulfide	4.05	76	2368883	45.40	ug/l	99
18) Methyl Acetate	4.33	43	700127	49.11	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2148554	50.63	ug/l	98
20) Methylene Chloride	4.55	84	940235	48.15	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	873157	49.55	ug/l	92
22) Diisopropyl ether	5.95	45	2732434	52.06	ug/l	96
23) Vinyl Acetate	5.90	43	8662288	253.17	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1639506	48.81	ug/l	99
25) 2-Butanone	6.84	43	1609215	256.34	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1407919	51.90	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	988751	50.47	ug/l	92
28) Bromochloromethane	7.19	49	657018	44.12	ug/l	84
29) Tetrahydrofuran	7.21	42	999409	247.32	ug/l	94
30) Chloroform	7.37	83	1678095	50.20	ug/l	99
31) Cyclohexane	7.65	56	1454073	51.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1436903	50.37	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1293279	55.74	ug/l	98
37) Ethyl Acetate	6.93	43	700161	55.51	ug/l	98
38) Carbon Tetrachloride	7.77	117	1299690	54.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1392610	55.91	ug/l	96
40) Benzene	8.04	78	3806033	53.50	ug/l	99
41) Methacrylonitrile	7.17	41	336298	49.31	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1177818	53.59	ug/l	96
43) Isopropyl Acetate	8.17	43	1253416	52.01	ug/l	96
44) Trichloroethene	8.84	130	1049915	55.89	ug/l	92
45) 1,2-Dichloropropane	9.12	63	1006747	54.05	ug/l	100
46) Dibromomethane	9.21	93	582599	53.94	ug/l	92
47) Bromodichloromethane	9.40	83	1281719	54.00	ug/l	97
48) Methyl methacrylate	9.20	41	647451	57.05	ug/l	88
49) 1,4-Dioxane	9.20	88	159905	1020.81	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3422811	270.97	ug/l	94
52) Toluene	10.16	92	2365096	56.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1253316	55.20	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1475839	55.05	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	830396	53.35	ug/l	96
56) Ethyl methacrylate	10.43	69	984742	54.84	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1396165	54.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1052598	168.90	ug/l	95
59) 2-Hexanone	10.75	43	2288451	281.01	ug/l	93
60) Dibromochloromethane	10.90	129	943510	54.31	ug/l	100
61) 1,2-Dibromoethane	11.01	107	796239	55.04	ug/l	100
64) Tetrachloroethene	10.63	164	1177229	61.09	ug/l	99
65) Chlorobenzene	11.44	112	2561349	52.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	958828	52.59	ug/l	99
67) Ethyl Benzene	11.51	91	4520423	56.26	ug/l	98
68) m/p-Xylenes	11.62	106	3495864	115.92	ug/l	97
69) o-Xylene	11.95	106	1654936	56.98	ug/l	95
70) Styrene	11.97	104	2670956	58.29	ug/l	97
71) Bromoform	12.13	173	638705	54.12	ug/l #	99
73) Isopropylbenzene	12.25	105	4461819	52.20	ug/l	98
74) N-amyl acetate	12.07	43	1044676	49.90	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	881221	50.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1193685	71.87	ug/l #	100
77) Bromobenzene	12.53	156	1108452	49.10	ug/l	89
78) n-propylbenzene	12.59	91	5115854	54.51	ug/l	99
79) 2-Chlorotoluene	12.68	91	3031417	50.98	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3663980	54.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	260149	49.50	ug/l	91
82) 4-Chlorotoluene	12.78	91	3053715	53.23	ug/l	97
83) tert-Butylbenzene	12.99	119	3118650	52.40	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3707962	55.56	ug/l	98
85) sec-Butylbenzene	13.17	105	4175510	52.71	ug/l	98
86) p-Isopropyltoluene	13.29	119	3626382	54.79	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1948859	52.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1882038	51.13	ug/l	99
89) n-Butylbenzene	13.62	91	2882608	55.76	ug/l	98
90) Hexachloroethane	13.88	117	684633	54.83	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1883165	51.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139816	46.99	ug/l	87

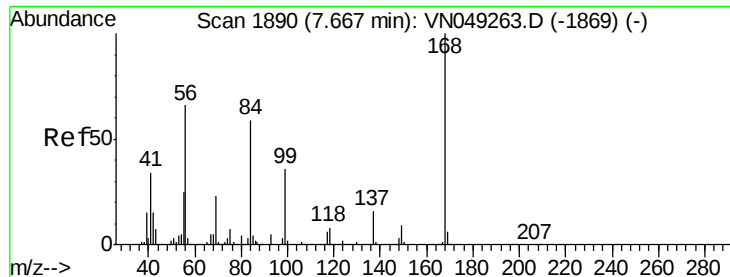
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757015	45.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	612099	57.88	ug/l	98
95) Naphthalene	15.14	128	1370169	46.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	754242	46.48	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

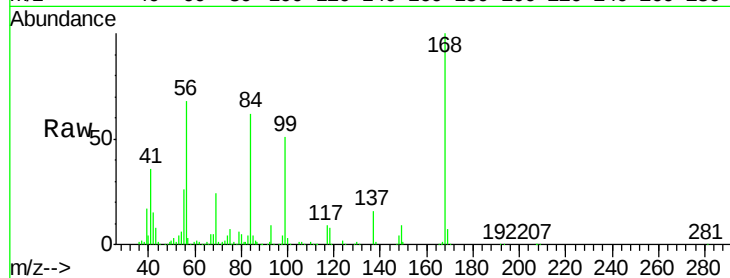
ClientSampled :

Tot Ion:168 Resp: 1451724

Ion Ratio Lower Upper

168 100

99 50.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

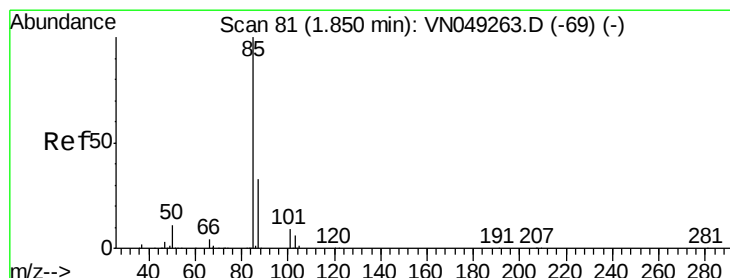
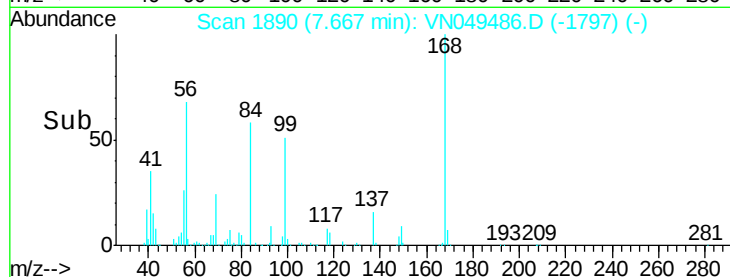
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.23 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049486.D

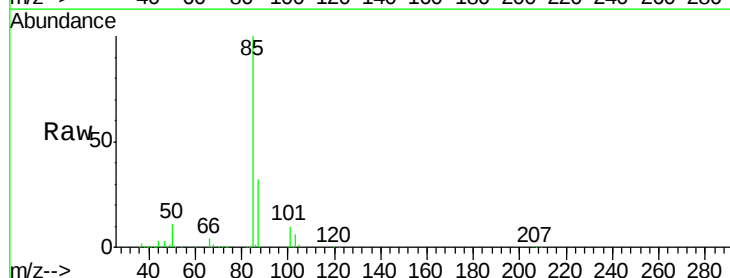
Acq: 22 Jun 2018 12:25

Tgt Ion: 85 Resp: 739092

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

600000

500000

400000

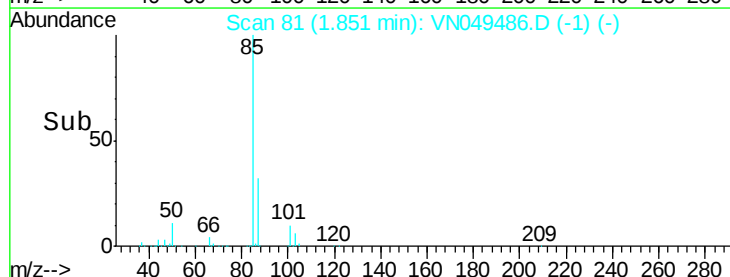
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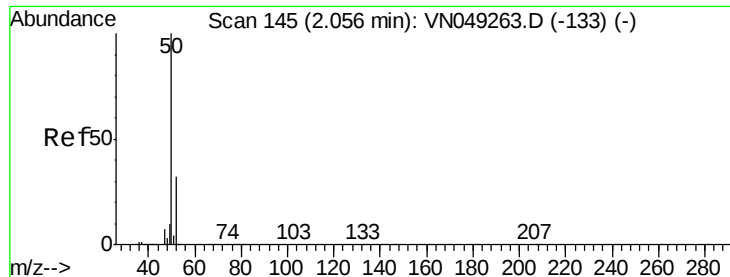
200000

100000

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Time-->





#3

Chloromethane

Concen: 43.11 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

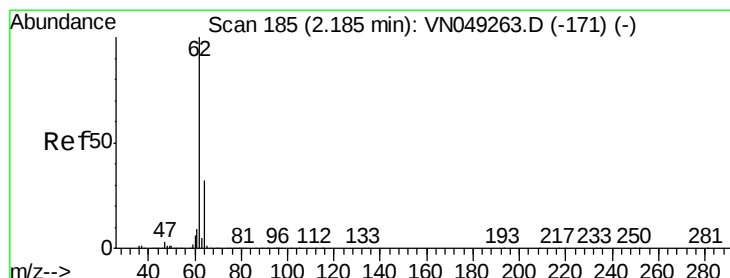
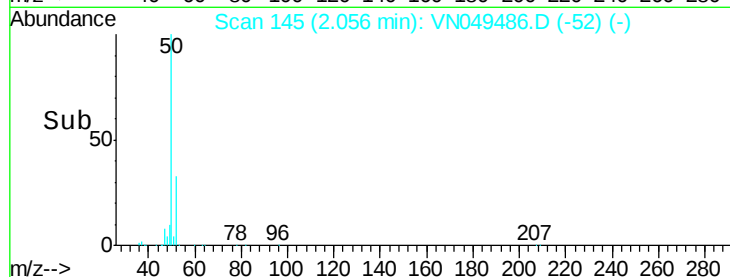
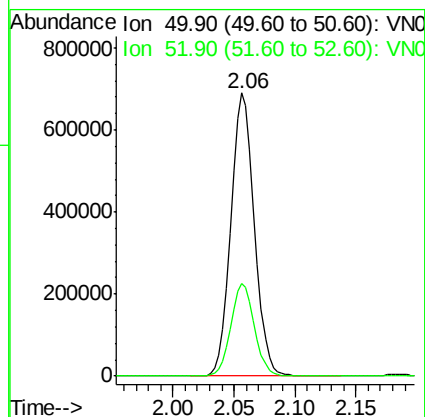
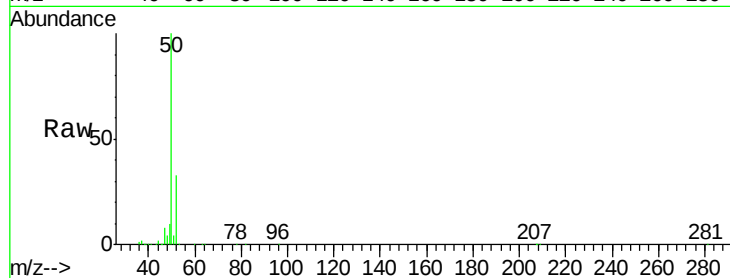
ClientSampled :

Tot Ion: 50 Resp: 930227

Ion Ratio Lower Upper

50 100

52 32.5 25.2 37.8



#4

Vinyl Chloride

Concen: 44.94 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049486.D

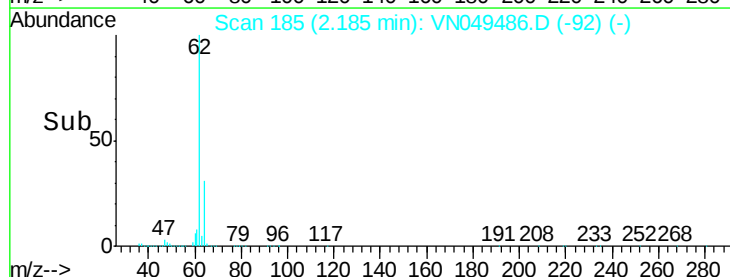
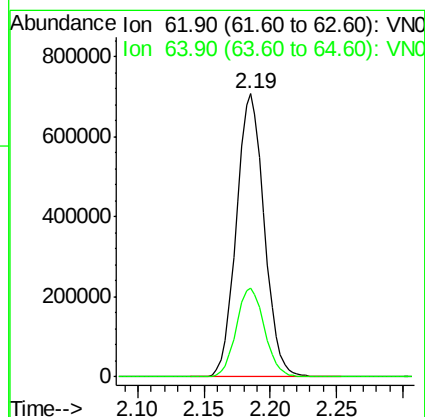
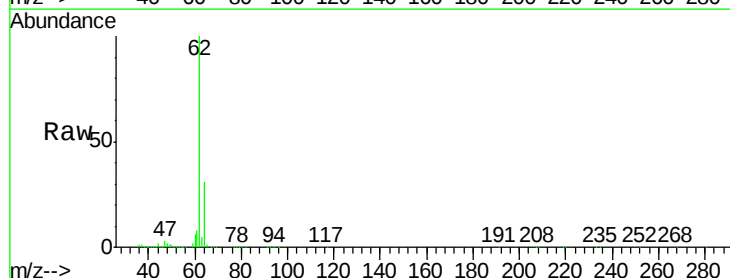
Acq: 22 Jun 2018 12:25

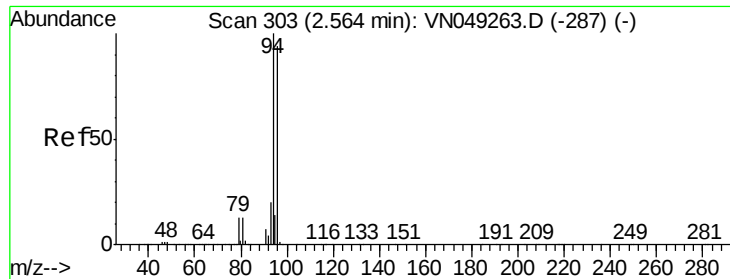
Tgt Ion: 62 Resp: 1030545

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 46.98 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

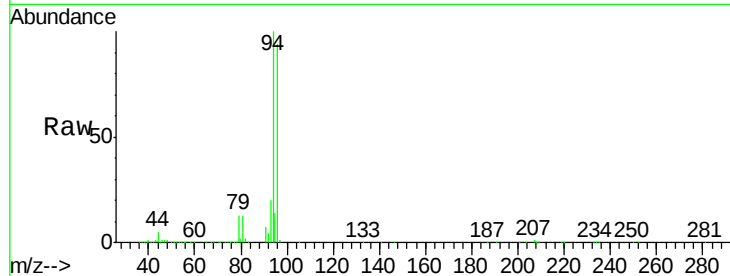
ClientSampled :

Tot Ion: 94 Resp: 566370

Ion Ratio Lower Upper

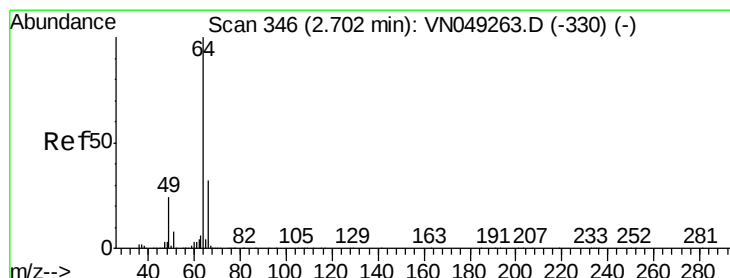
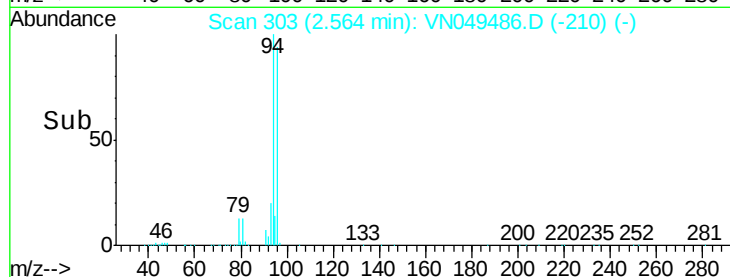
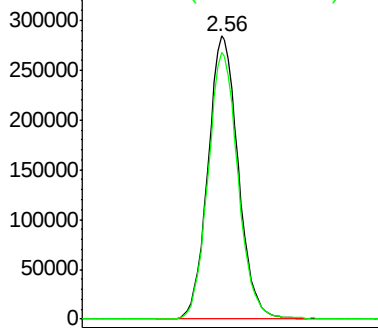
94 100

96 94.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.41 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049486.D

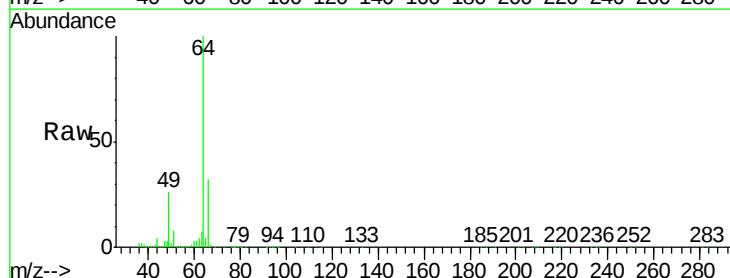
Acq: 22 Jun 2018 12:25

Tgt Ion: 64 Resp: 648259

Ion Ratio Lower Upper

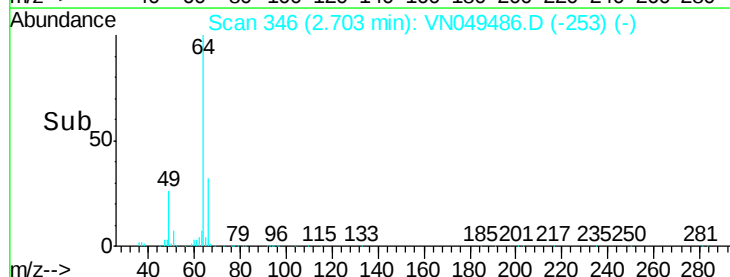
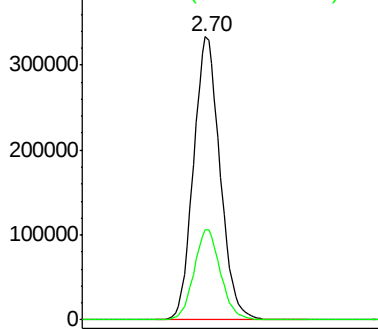
64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



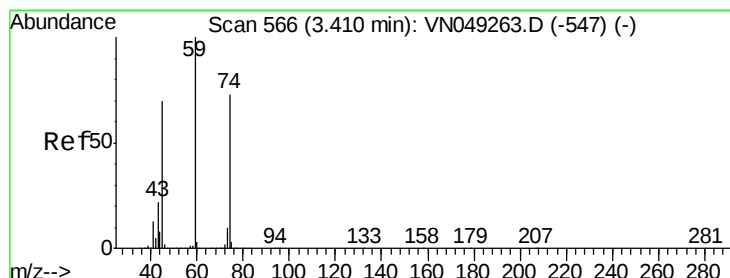
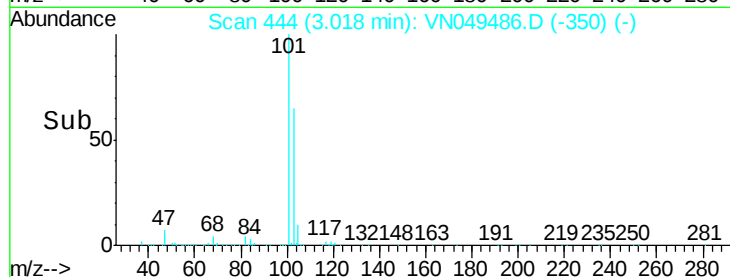
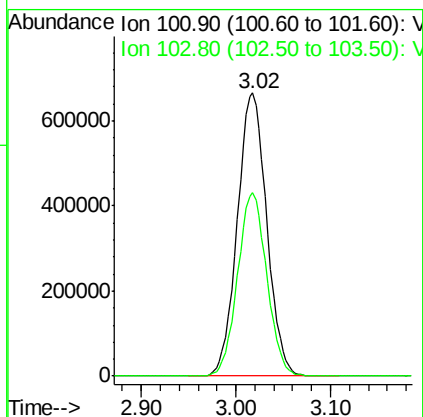
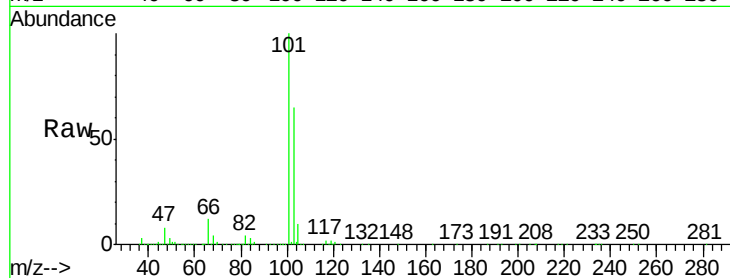


#7

Trichlorofluoromethane
Concen: 50.23 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :

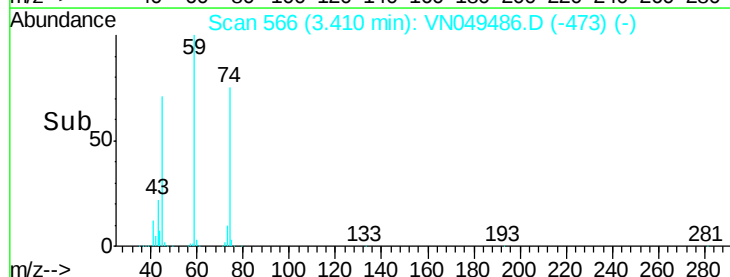
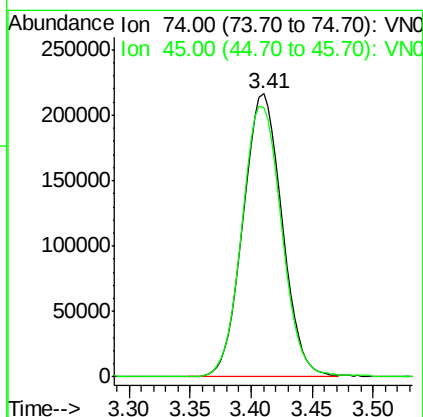
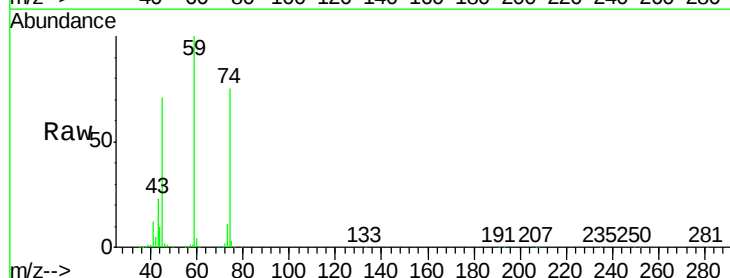
Tot Ion:101 Resp: 1437005
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5



#8

Diethyl Ether
Concen: 47.95 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 74 Resp: 478955
Ion Ratio Lower Upper
74 100
45 97.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.16 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

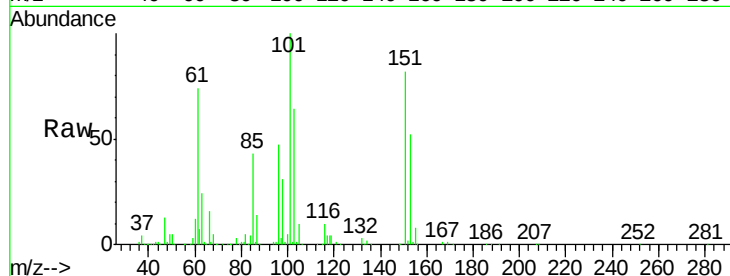
Tot Ion:101 Resp: 891950

Ion Ratio Lower Upper

101 100

85 42.7 37.6 56.4

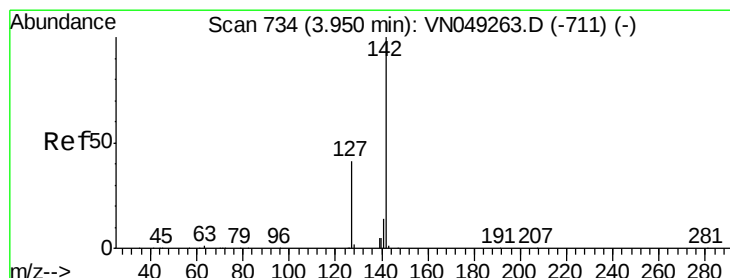
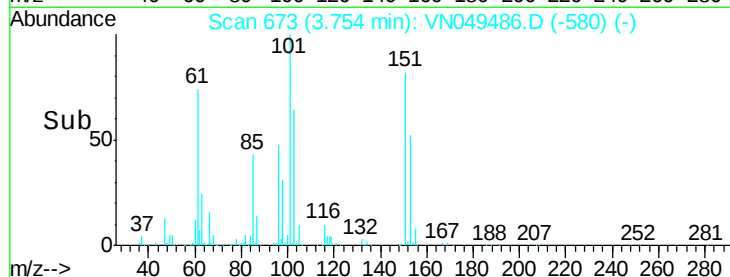
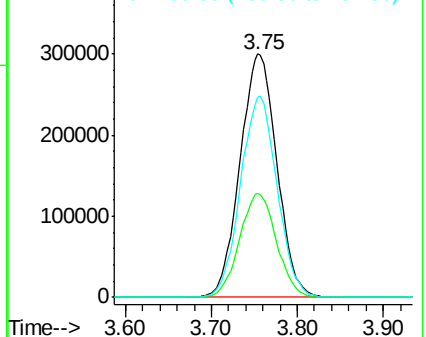
151 82.3 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.45 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

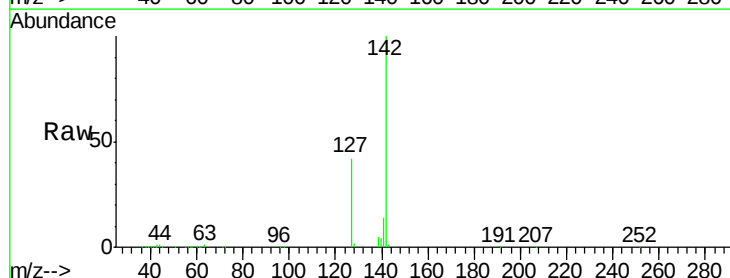
Tgt Ion:142 Resp: 1085209

Ion Ratio Lower Upper

142 100

127 41.7 38.2 57.4

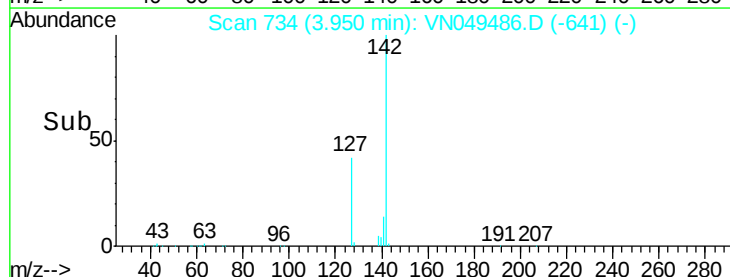
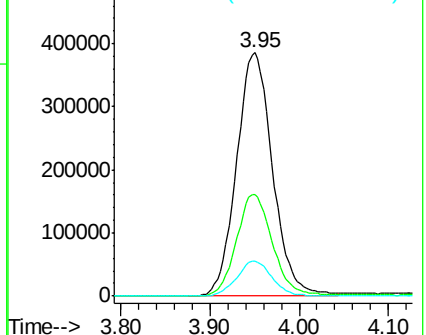
141 14.1 11.9 17.9

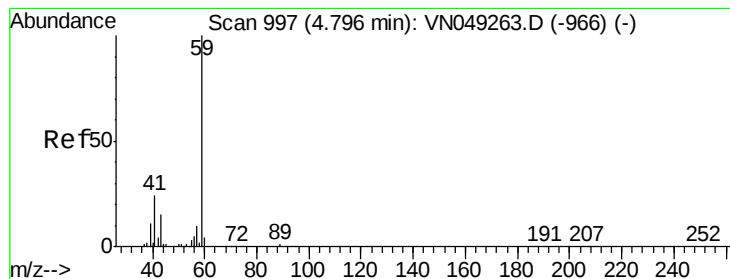


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



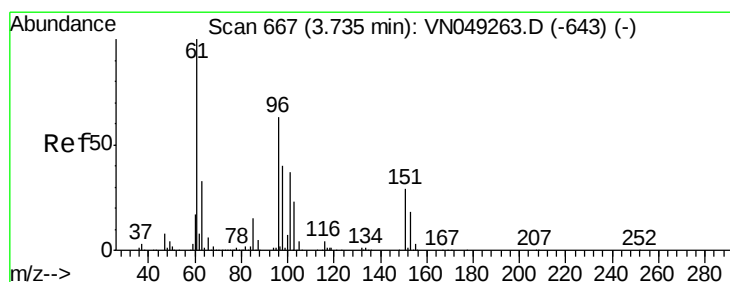
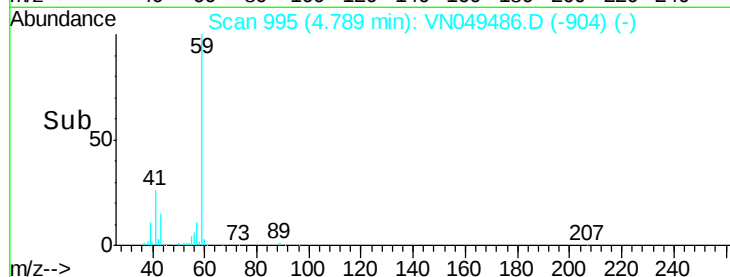
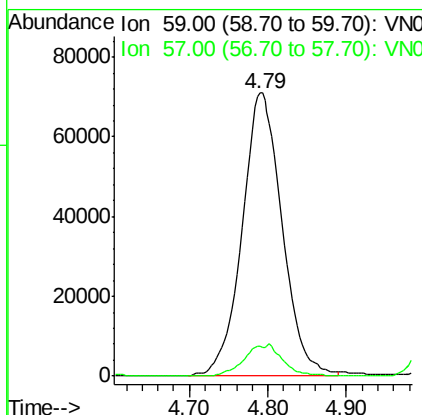
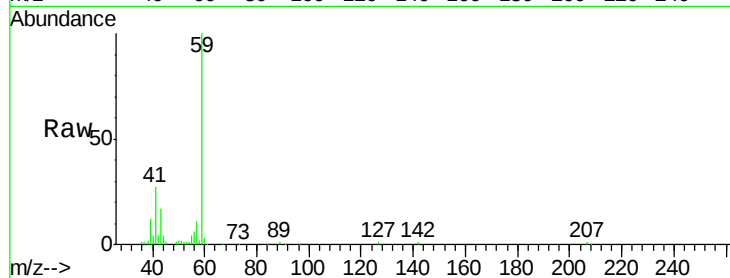


#11

Tert butyl alcohol
 Concen: 223.23 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampled :

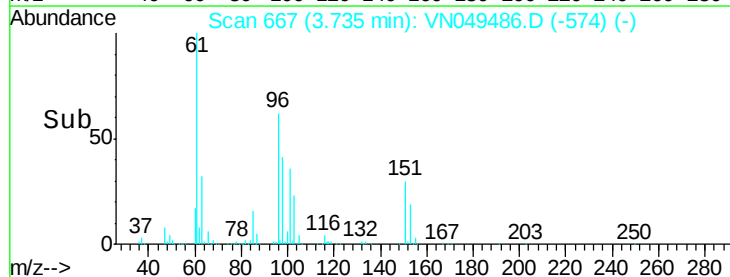
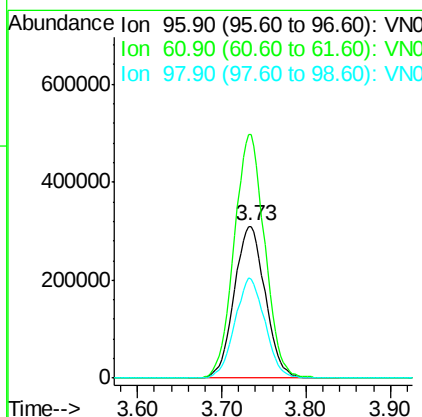
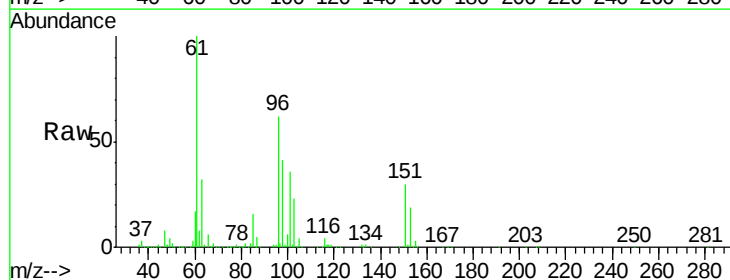
Tot Ion: 59 Resp: 252275
 Ion Ratio Lower Upper
 59 100
 57 6.0 9.0 13.6#

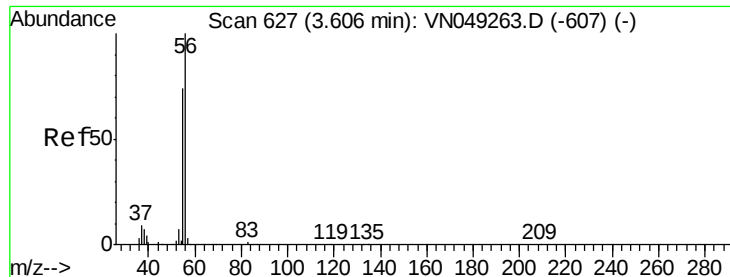


#12

1,1-Dichloroethene
 Concen: 47.69 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 96 Resp: 793837
 Ion Ratio Lower Upper
 96 100
 61 160.8 141.0 211.4
 98 65.4 50.4 75.6





#13

Acrolein

Concen: 235.48 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

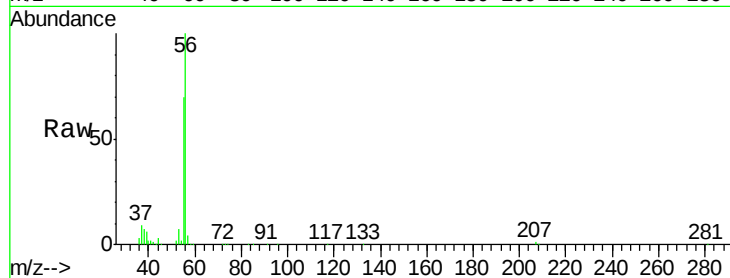
ClientSampleId :

Tot Ion: 56 Resp: 279068

Ion Ratio Lower Upper

56 100

55 68.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-607) (-)

3.61

120000

100000

80000

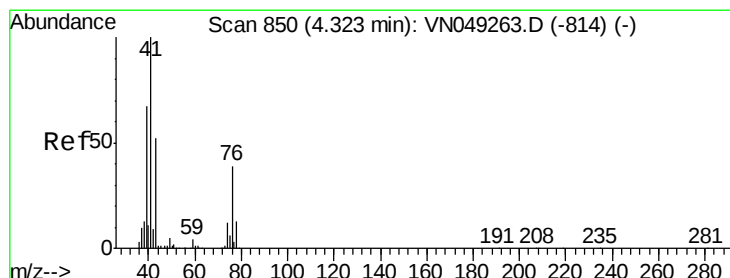
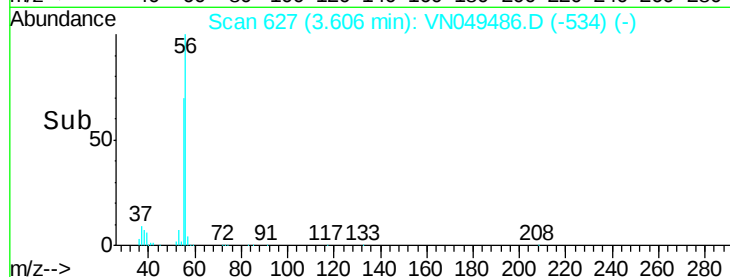
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 49.28 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

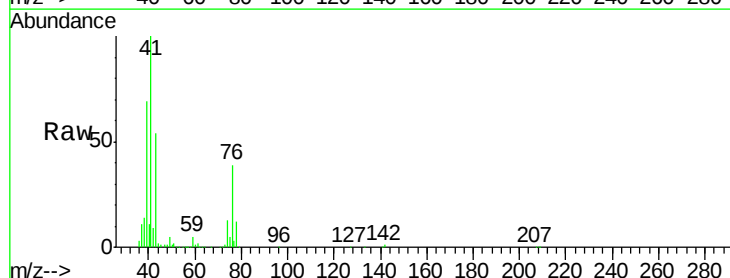
Tgt Ion: 41 Resp: 1295219

Ion Ratio Lower Upper

41 100

39 66.5 62.5 93.7

76 36.9 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN049263.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN049263.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN049263.D (-814) (-)

4.32

600000

500000

400000

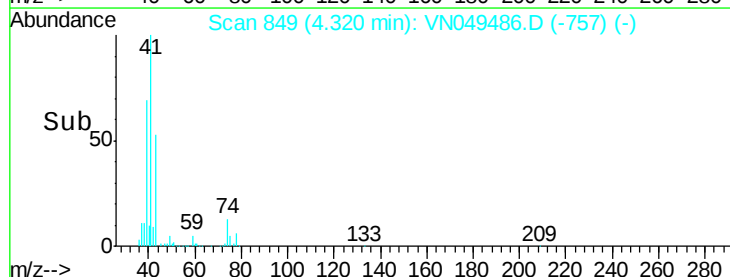
300000

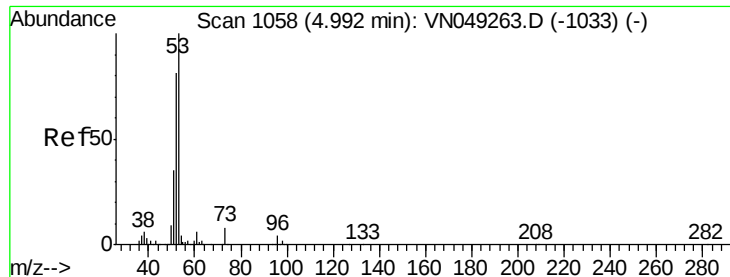
200000

100000

0

Time-->



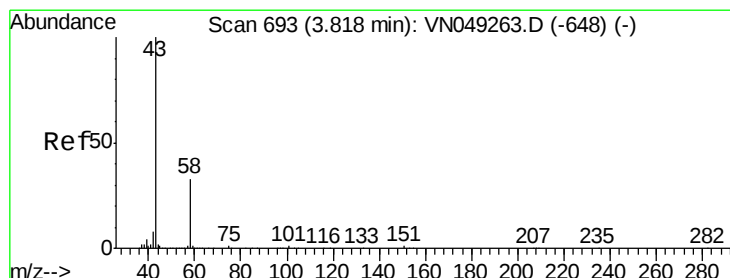
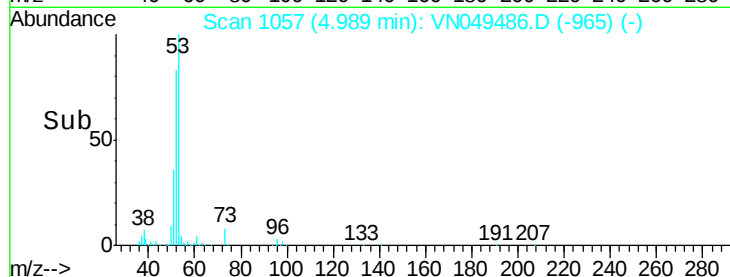
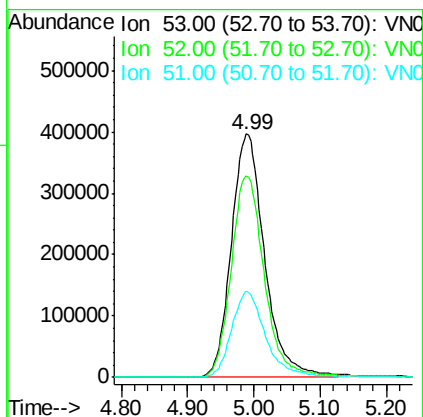
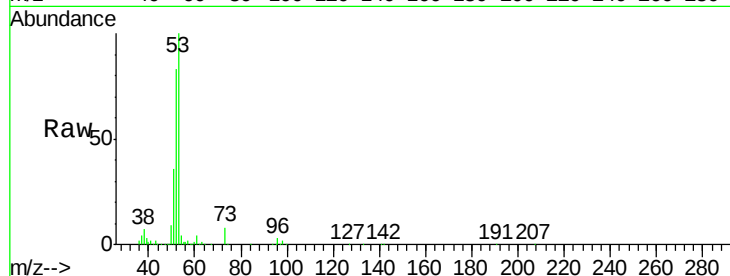


#15
 Acrylonitrile
 Concen: 244.60 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 1382208

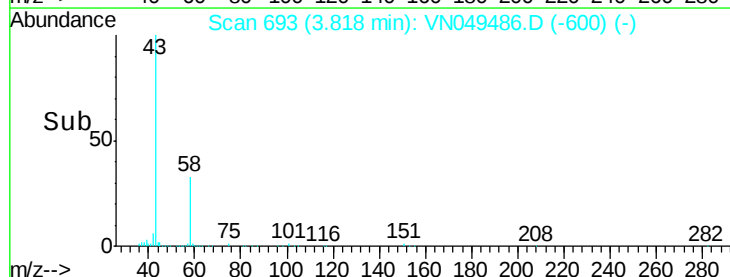
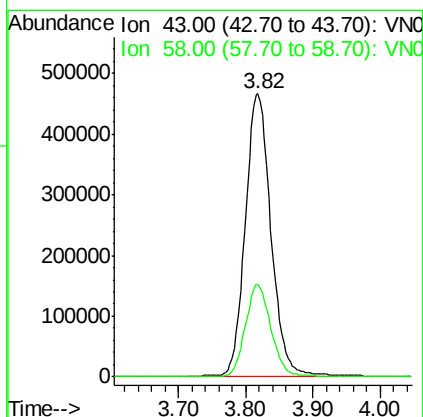
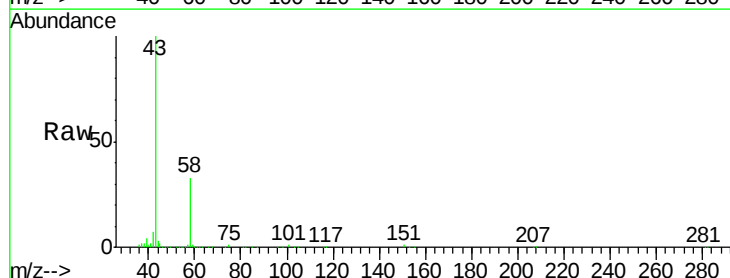
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.2	29.8	44.8

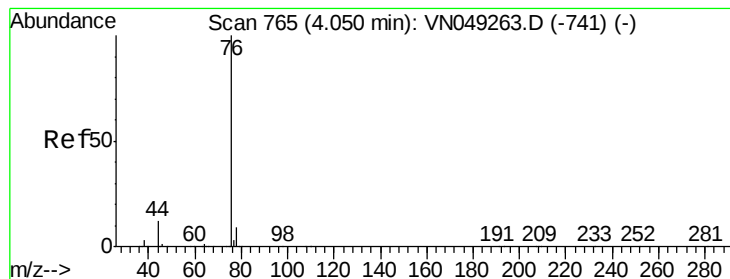


#16
 Acetone
 Concen: 264.81 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 1238028

Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6





#17

Carbon Disulfide

Concen: 45.40 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

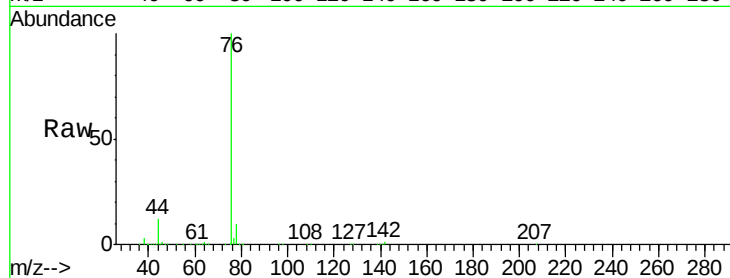
ClientSampleId :

Tot Ion: 76 Resp: 2368883

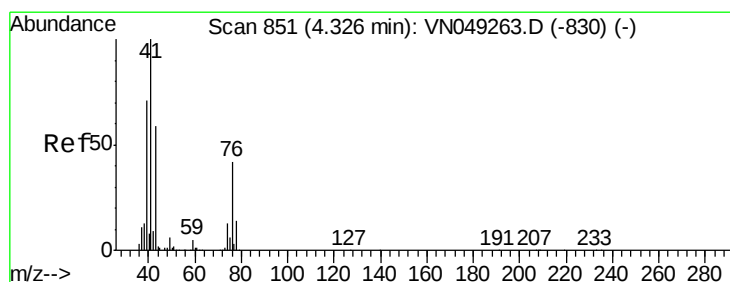
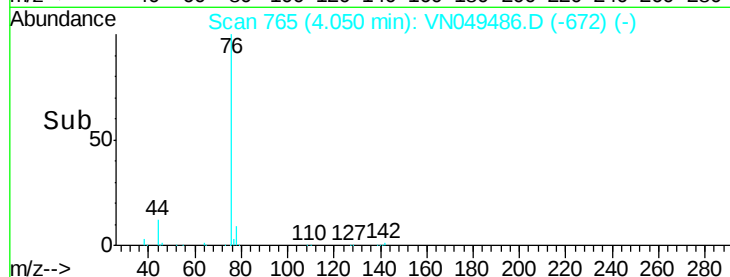
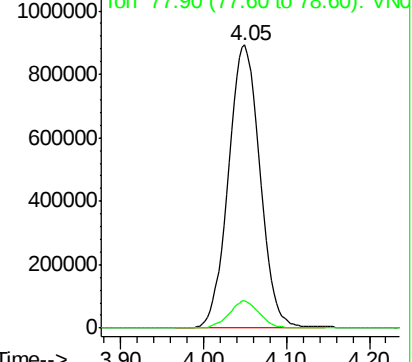
Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049486.D (-672) (-)



#18

Methyl Acetate

Concen: 49.11 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049486.D

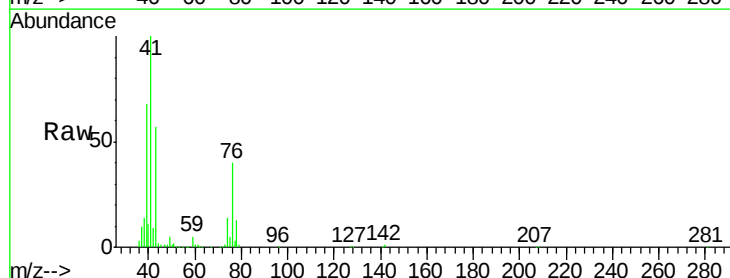
Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 700127

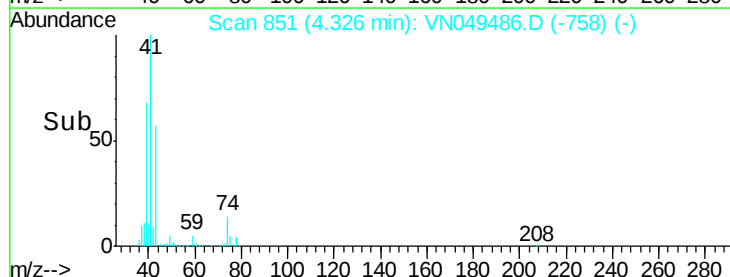
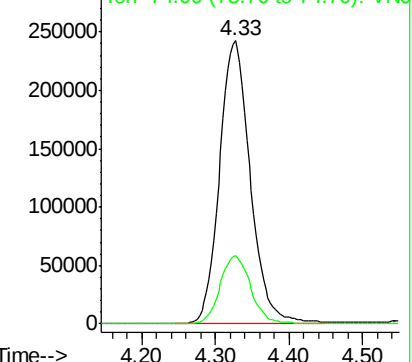
Ion Ratio Lower Upper

43 100

74 24.2 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049486.D (-758) (-)

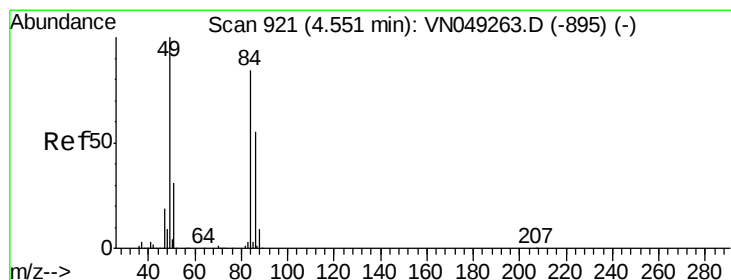
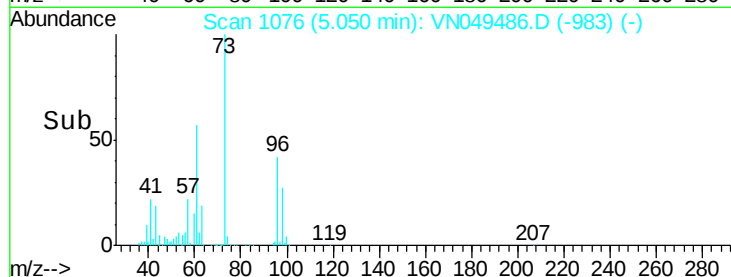
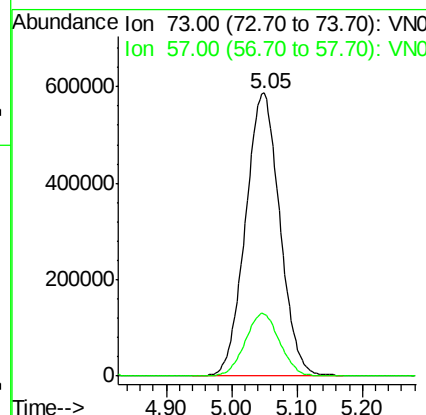
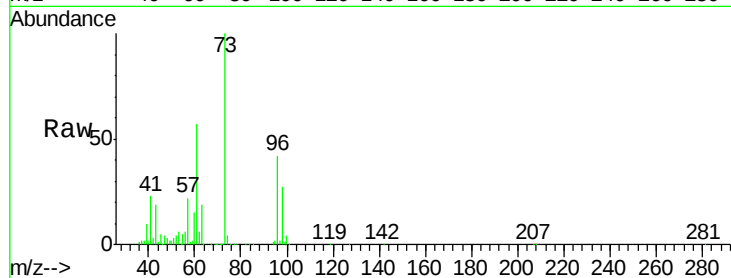




#19
Methyl tert-butyl Ether
Concen: 50.63 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

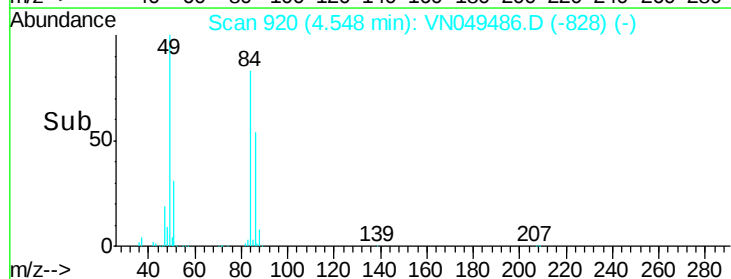
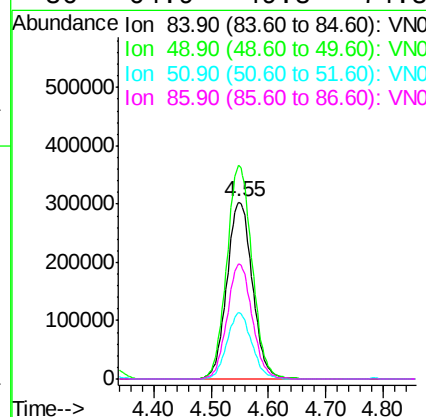
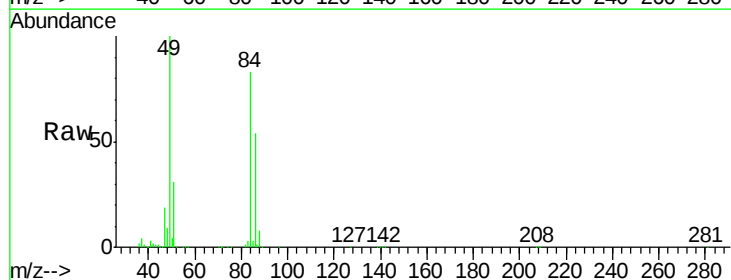
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 2148554
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4



#20
Methylene Chloride
Concen: 48.15 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 84 Resp: 940235
Ion Ratio Lower Upper
84 100
49 120.8 106.9 160.3
51 37.6 32.7 49.1
86 64.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.55 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

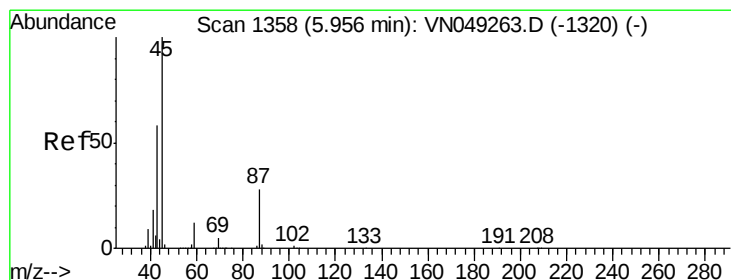
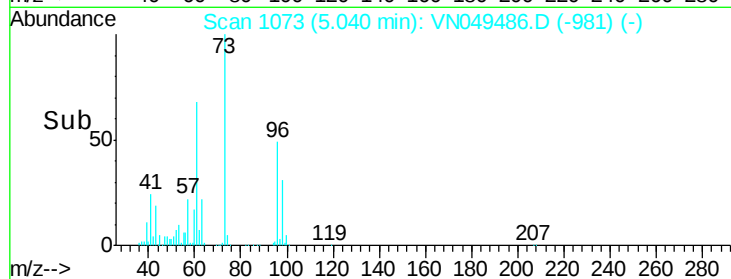
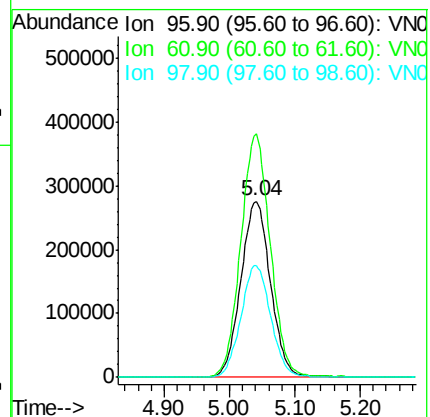
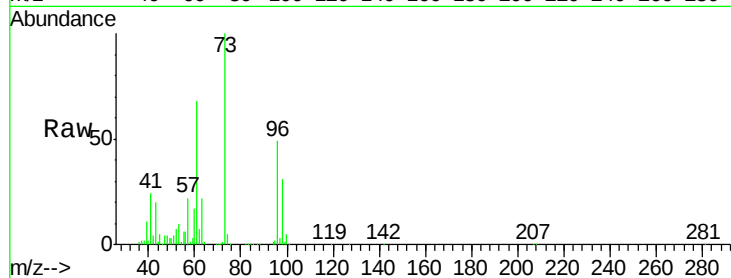
Tot Ion: 96 Resp: 873157

Ion Ratio Lower Upper

96 100

61 138.5 121.3 181.9

98 63.8 52.0 78.0



#22

Diisopropyl ether

Concen: 52.06 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion: 45 Resp: 2732434

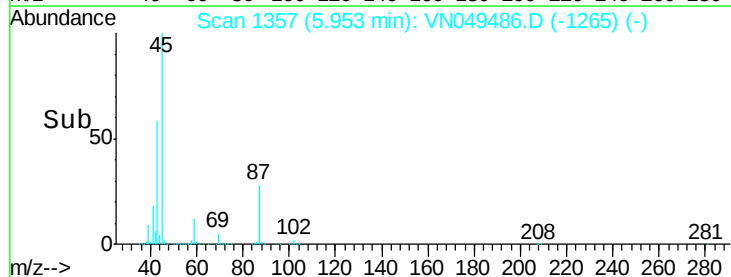
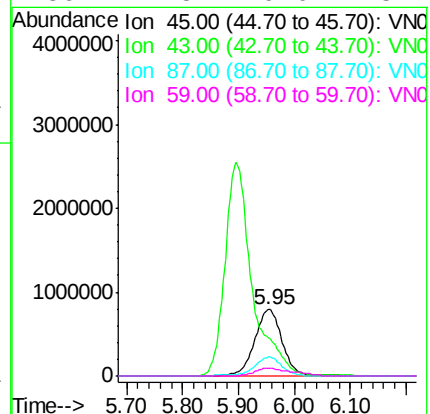
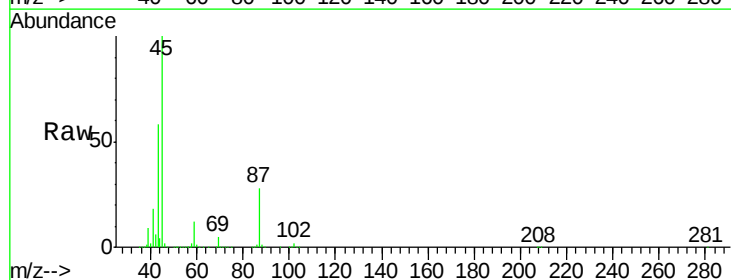
Ion Ratio Lower Upper

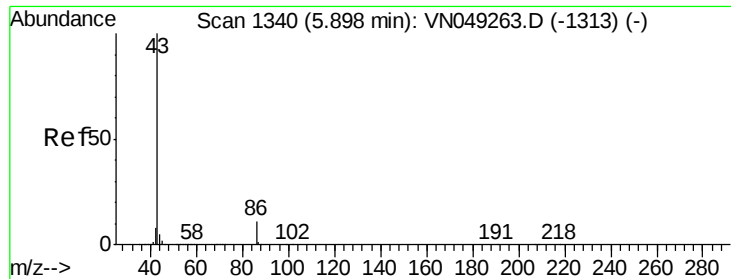
45 100

43 58.1 48.6 72.8

87 28.2 20.2 30.2

59 11.8 9.0 13.4

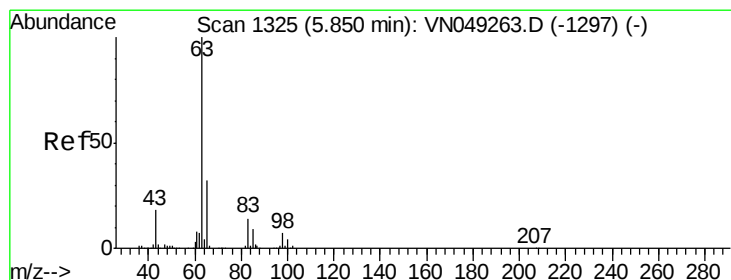
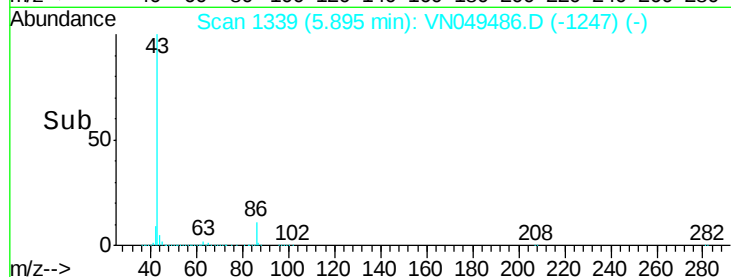
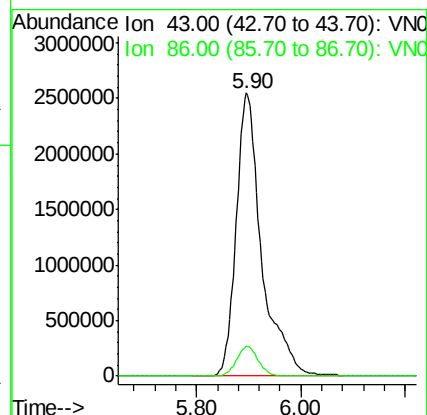
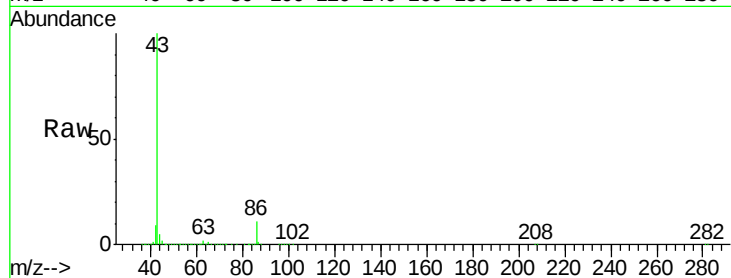




#23
 Vinyl Acetate
 Concen: 253.17 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

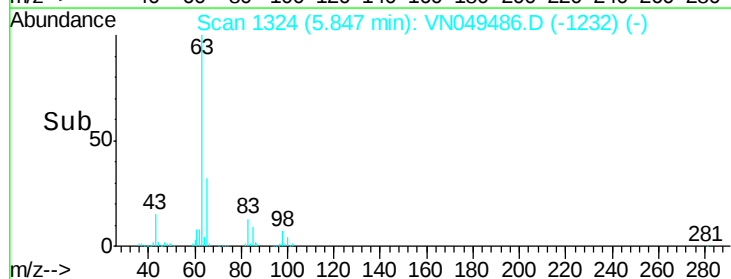
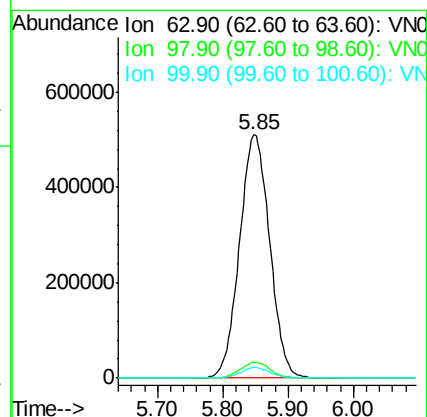
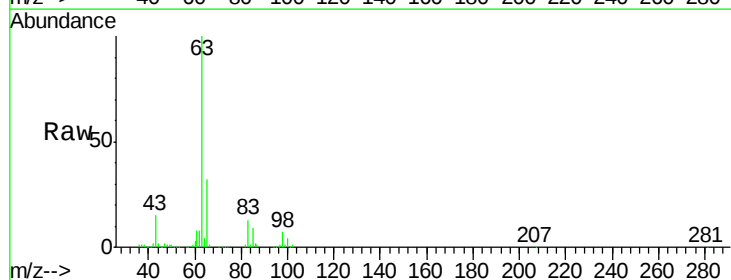
Instrument :
 MSVOA_N
 ClientSampleID :

Tot Ion: 43 Resp: 8662288
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 48.81 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 63 Resp: 1639506
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 256.34 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

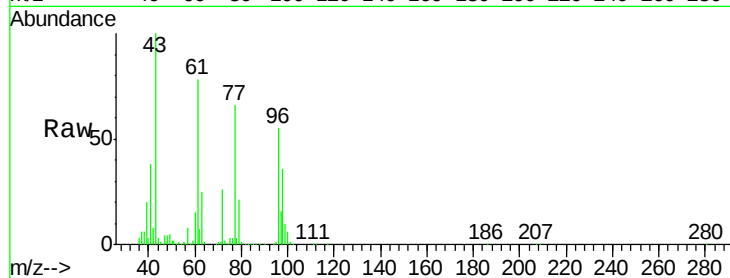
ClientSampleId :

Tot Ion: 43 Resp: 1609215

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

600000

500000

400000

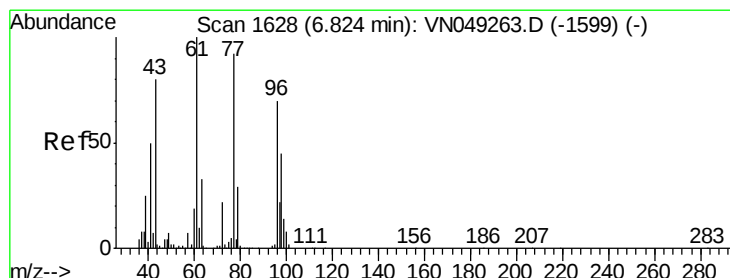
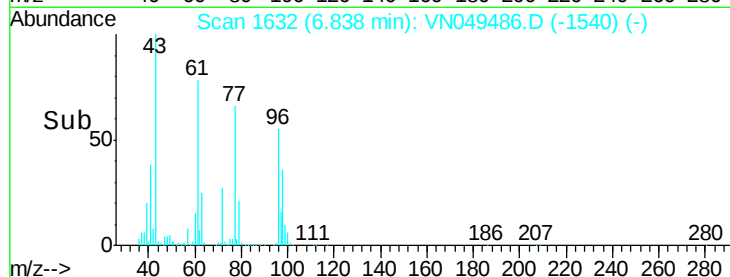
300000

200000

100000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 51.90 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049486.D

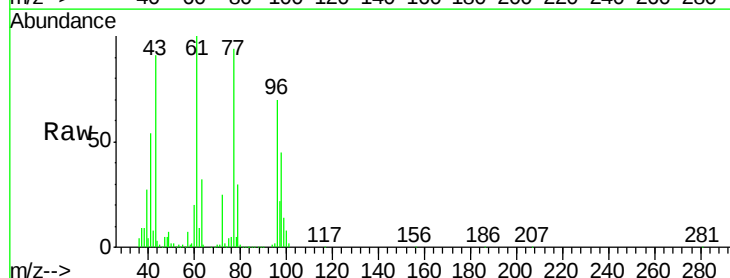
Acq: 22 Jun 2018 12:25

Tgt Ion: 77 Resp: 1407919

Ion Ratio Lower Upper

77 100

97 23.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

500000

400000

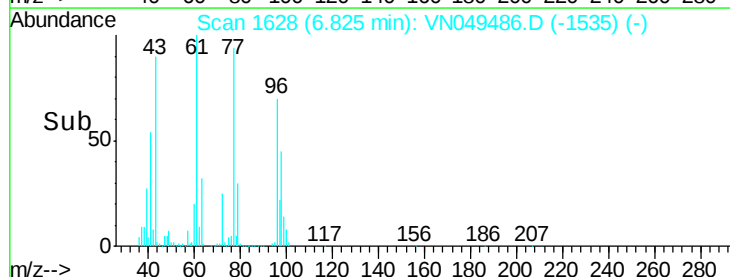
300000

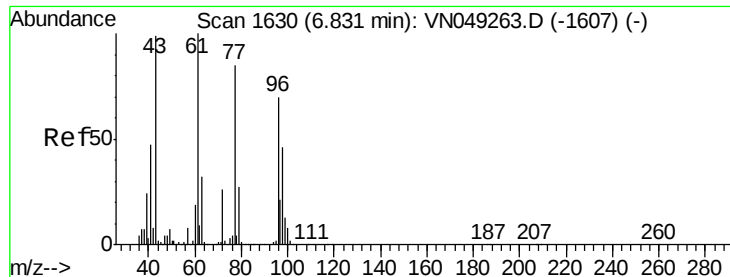
200000

100000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 50.47 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

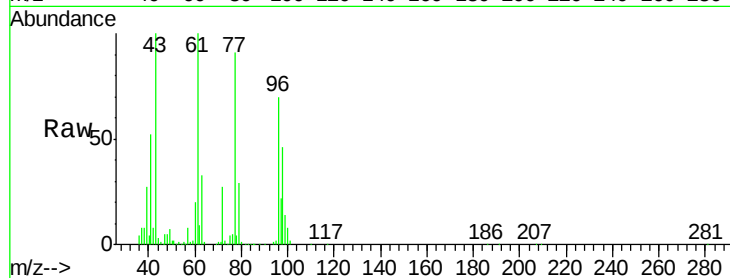
Tot Ion: 96 Resp: 988751

Ion Ratio Lower Upper

96 100

61 143.0 0.0 316.4

98 64.3 0.0 128.4



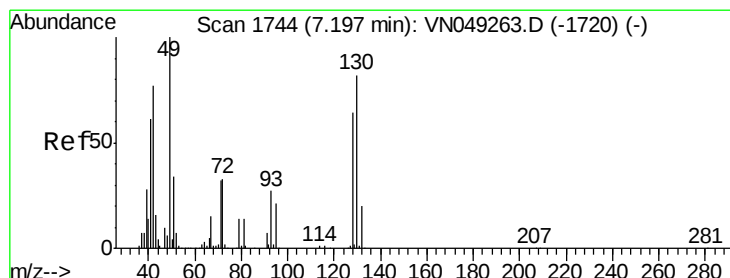
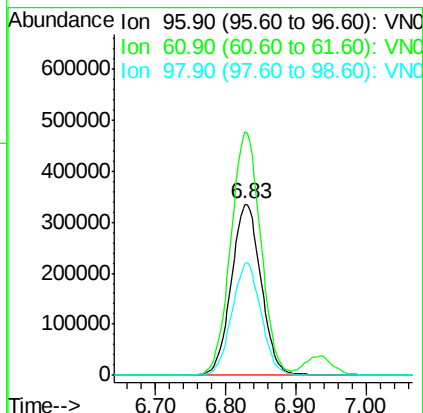
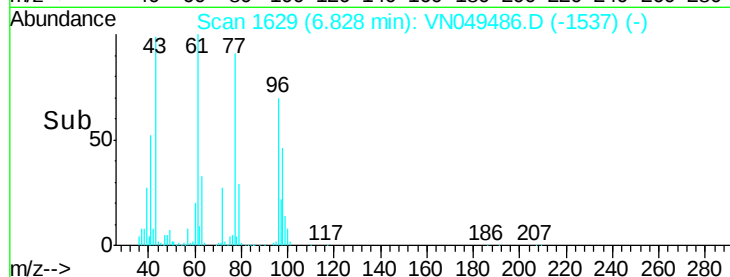
Abundance Ion 95.90 (95.60 to 96.60): VN049486.D (-1629) (-)

Ion 60.90 (60.60 to 61.60): VN049486.D (-1629) (-)

Ion 97.90 (97.60 to 98.60): VN049486.D (-1629) (-)

6.83

Time-->



#28

Bromochloromethane

Concen: 44.12 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

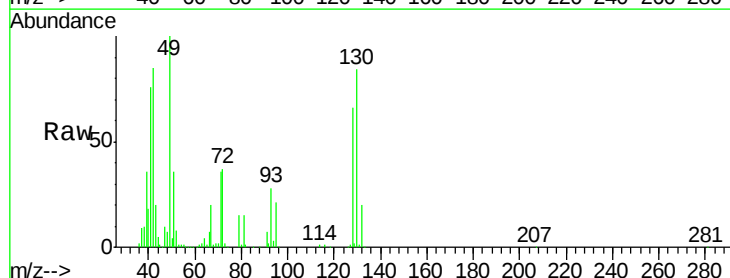
Tgt Ion: 49 Resp: 657018

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 82.2 54.9 82.3



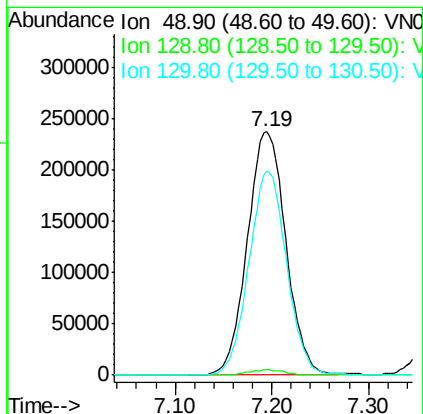
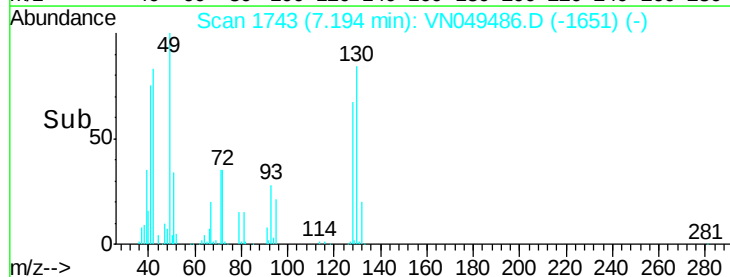
Abundance Ion 48.90 (48.60 to 49.60): VN049486.D (-1743) (-)

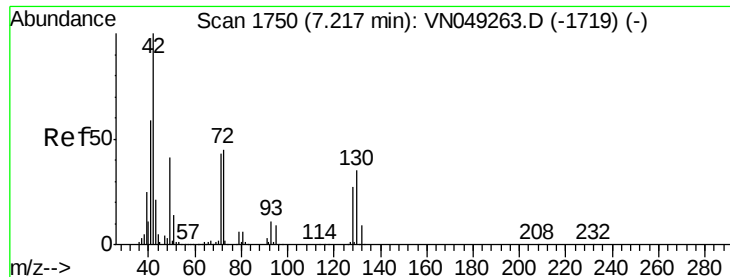
Ion 128.80 (128.50 to 129.50): VN049486.D (-1743) (-)

Ion 129.80 (129.50 to 130.50): VN049486.D (-1743) (-)

7.19

Time-->





#29

Tetrahydrofuran

Concen: 247.32 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

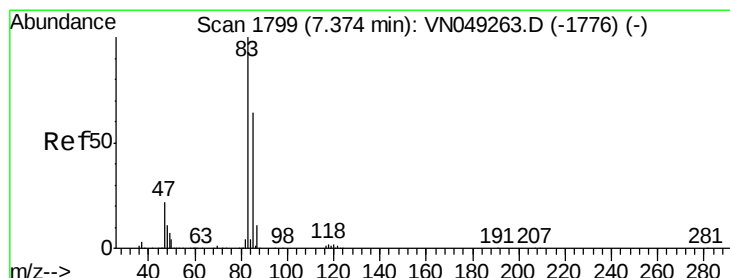
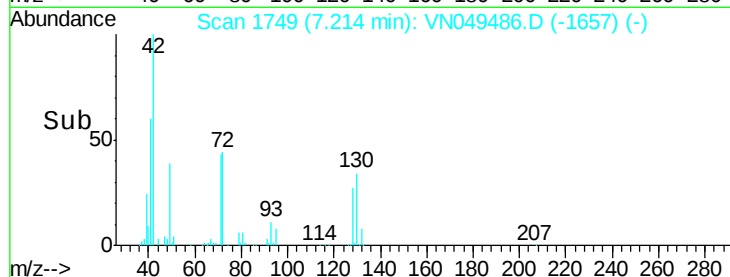
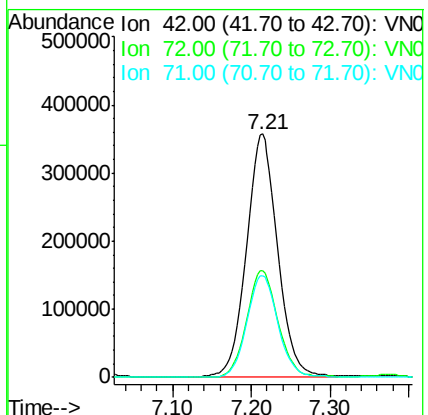
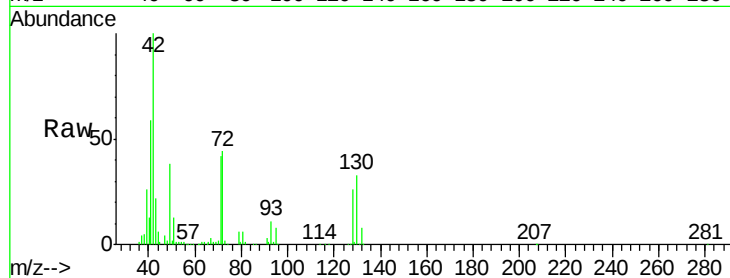
Tot Ion: 42 Resp: 999409

Ion Ratio Lower Upper

42 100

72 43.7 32.2 48.4

71 42.0 30.5 45.7



#30

Chloroform

Concen: 50.20 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049486.D

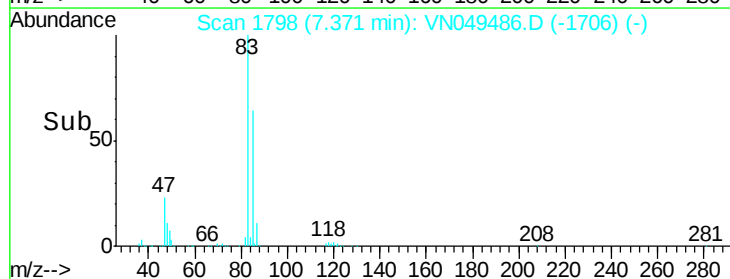
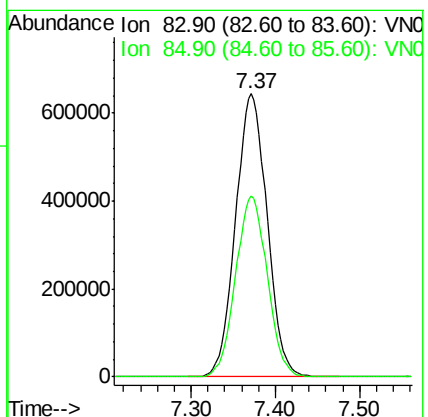
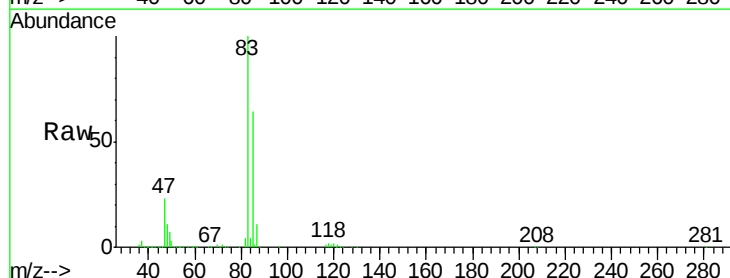
Acq: 22 Jun 2018 12:25

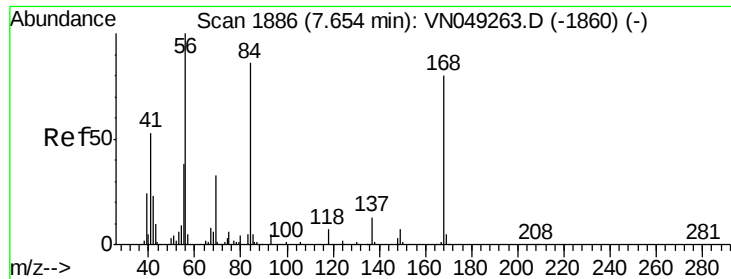
Tgt Ion: 83 Resp: 1678095

Ion Ratio Lower Upper

83 100

85 64.0 51.7 77.5

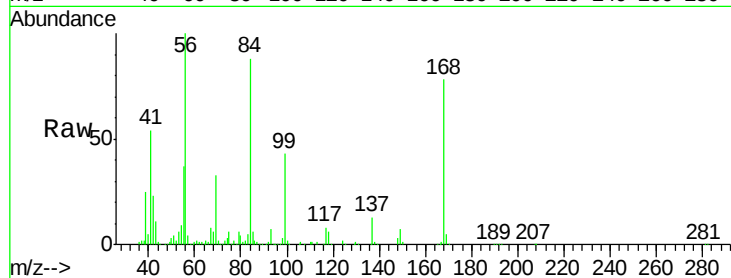




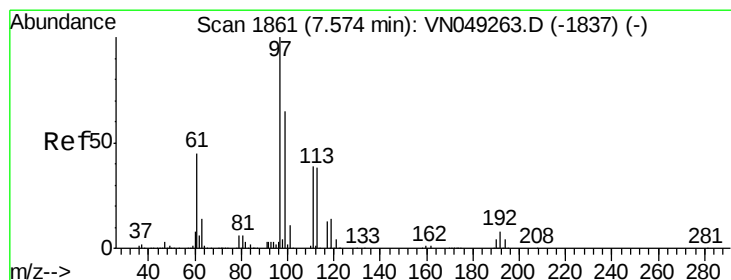
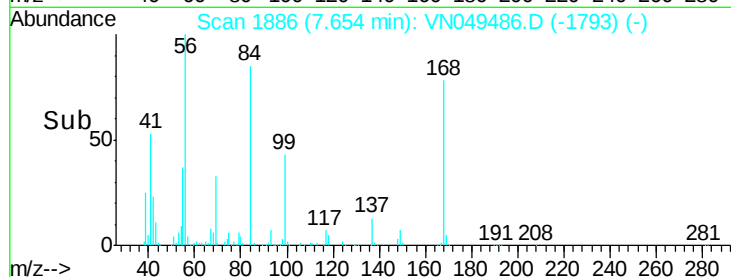
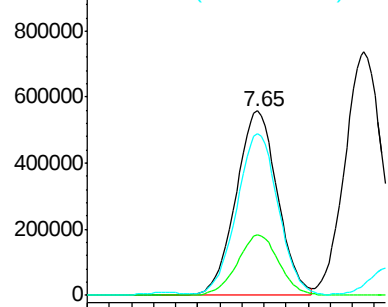
#31
Cyclohexane
Concen: 51.06 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 1454073
Ion Ratio Lower Upper
56 100
69 32.6 25.0 37.4
84 86.3 64.6 96.8

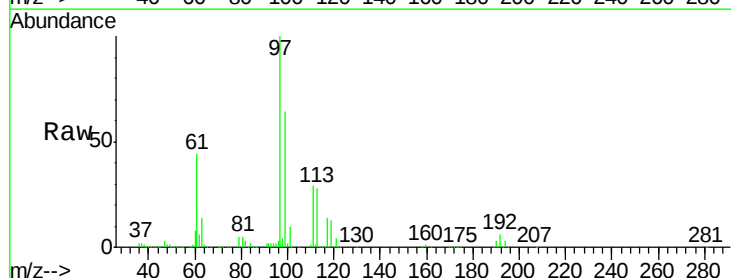


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

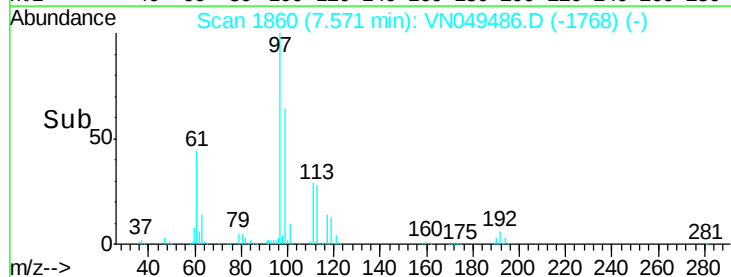
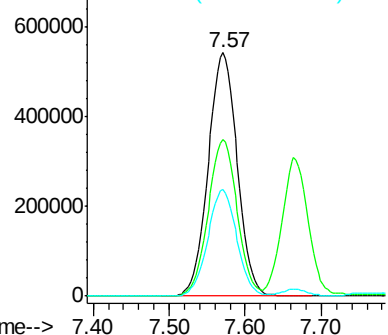


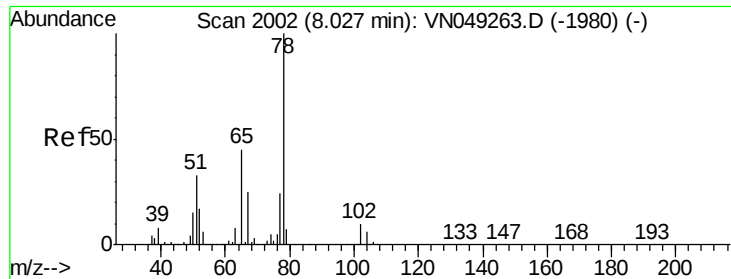
#32
1,1,1-Trichloroethane
Concen: 50.37 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 97 Resp: 1436903
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 43.8 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

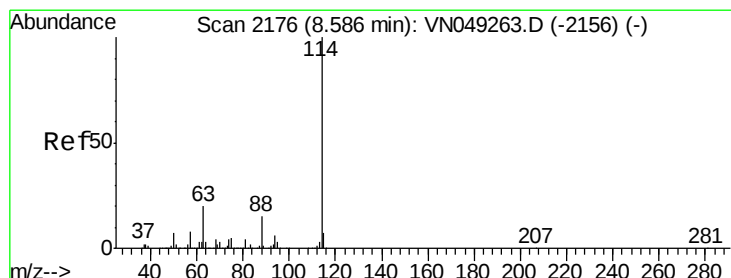
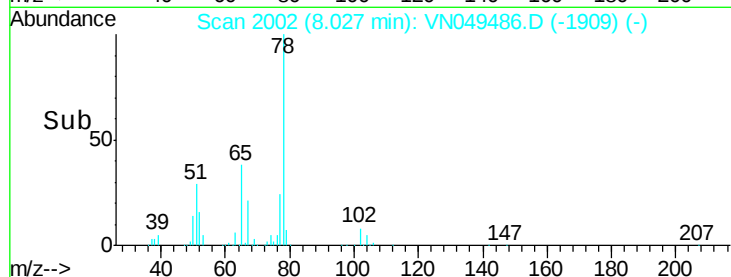
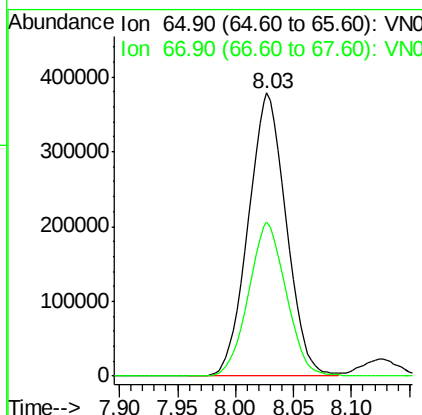
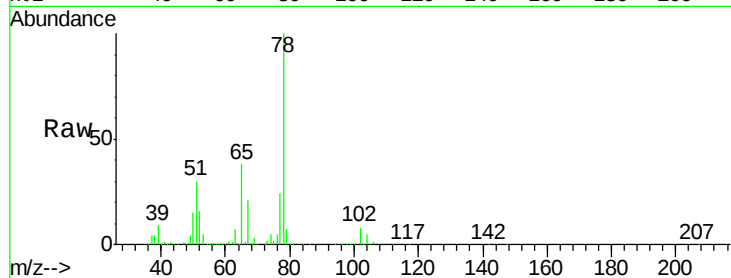




#33
 1,2-Dichloroethane-d4
 Concen: 44.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

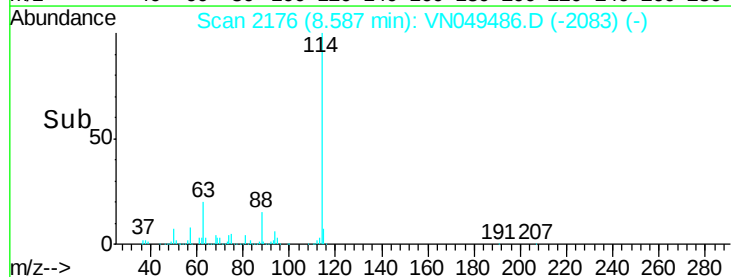
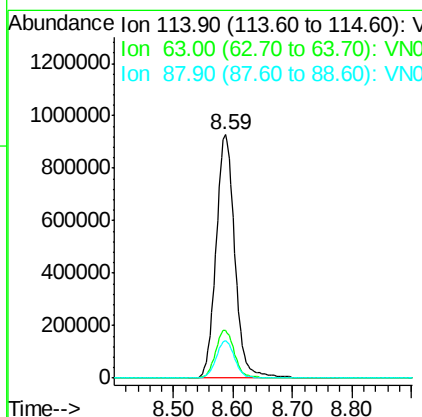
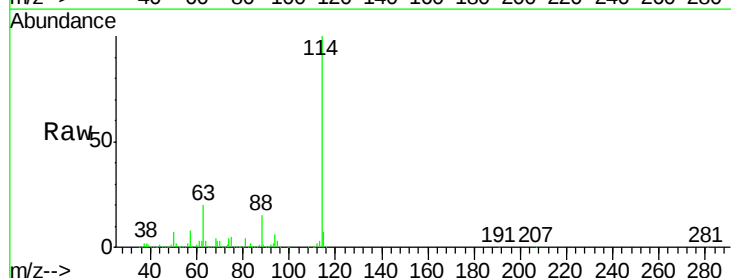
Instrument :
 MSVOA_N
 ClientSampleId :

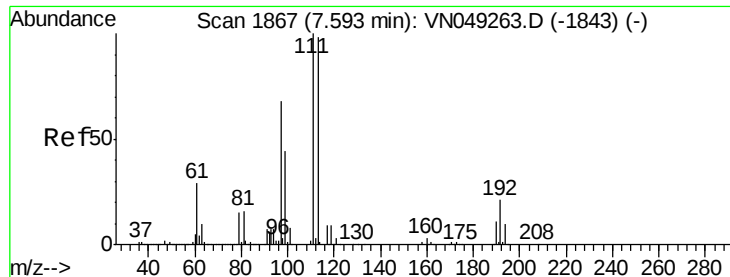
Tot Ion: 65 Resp: 861317
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 114 Resp: 2024558
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 44.4
 88 15.5 0.0 31.4

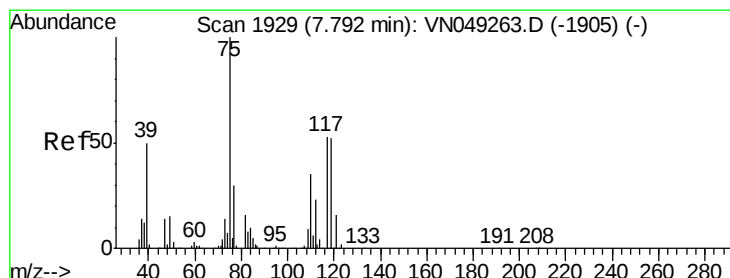
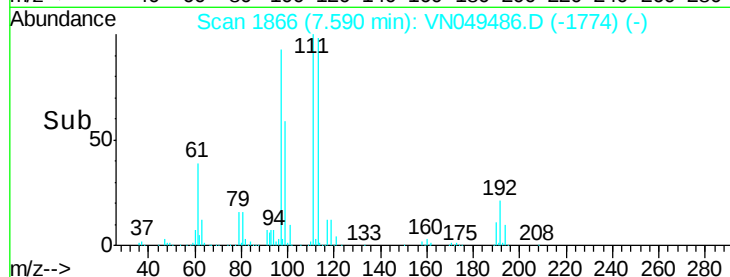
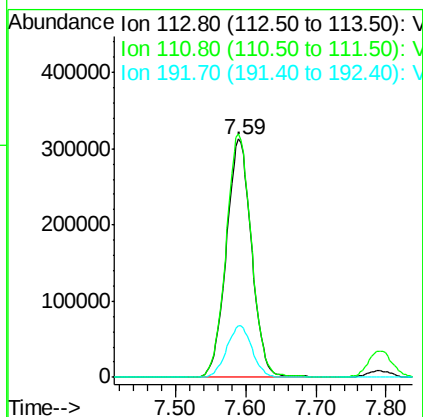
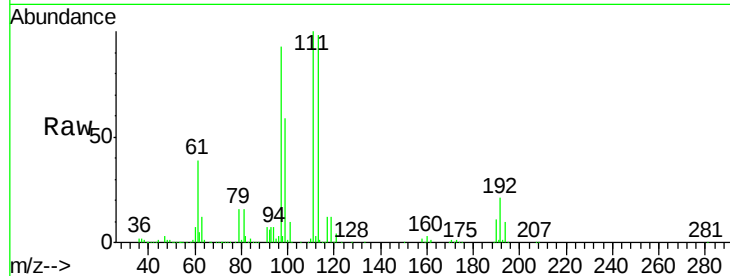




#35
 Dibromofluoromethane
 Concen: 47.77 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

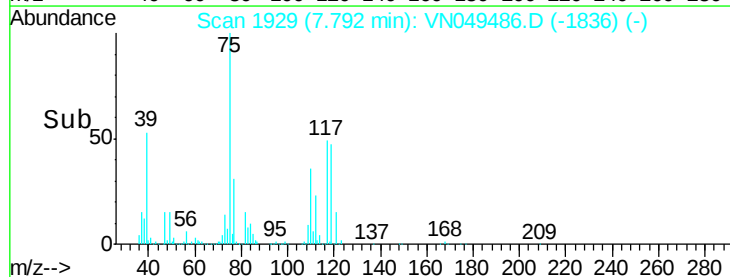
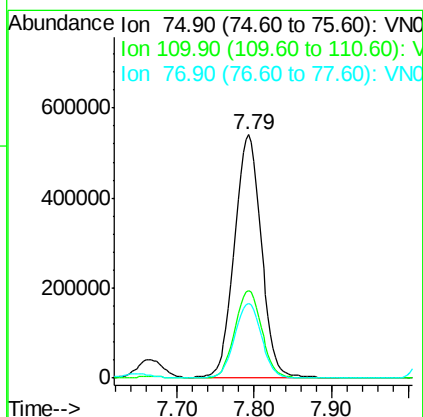
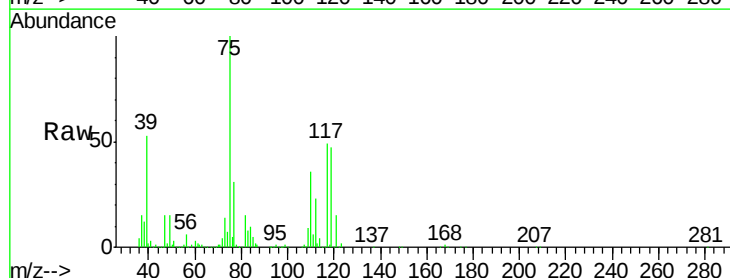
Instrument :
 MSVOA_N
 ClientSampleId :

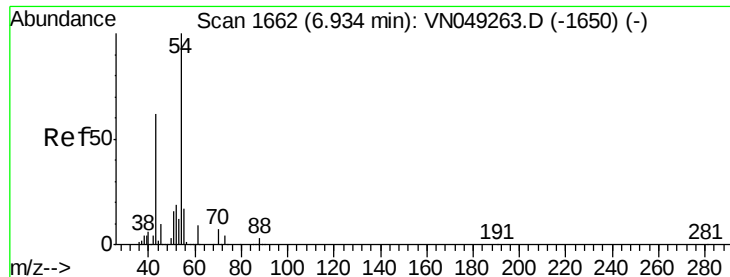
Tot Ion:113 Resp: 782405
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 21.8 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 55.74 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 75 Resp: 1293279
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.0 50.9
 77 30.9 24.4 36.6

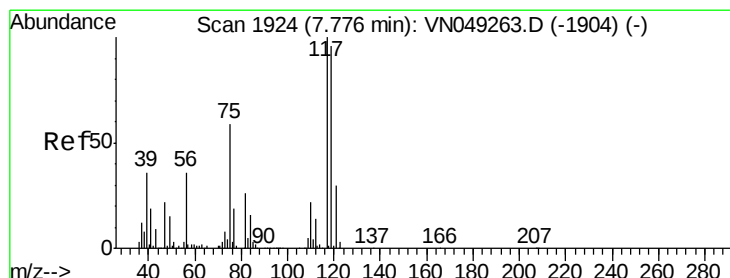
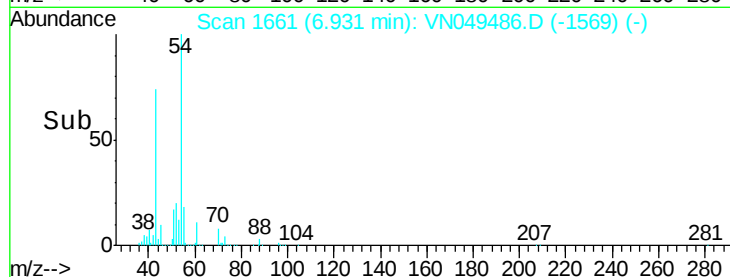
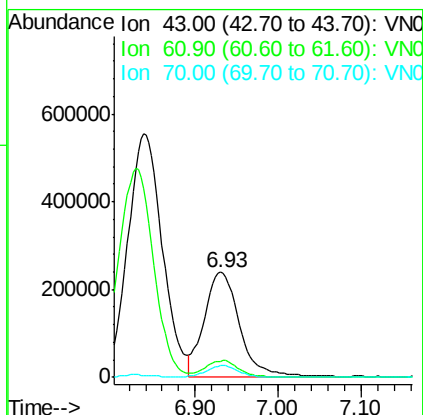
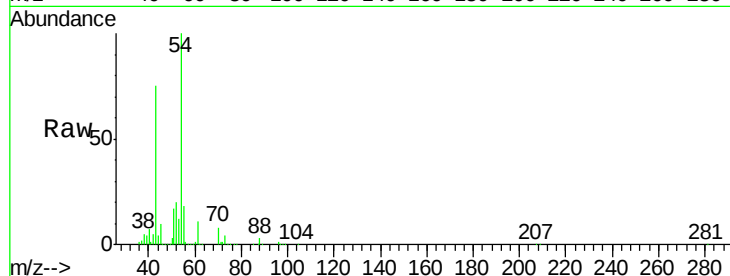




#37
Ethyl Acetate
Concen: 55.51 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

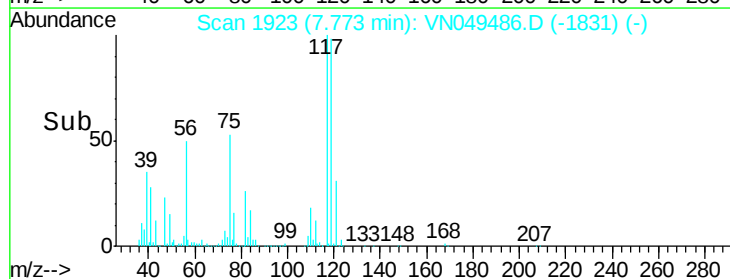
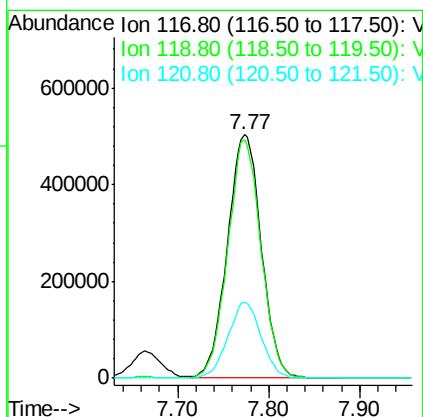
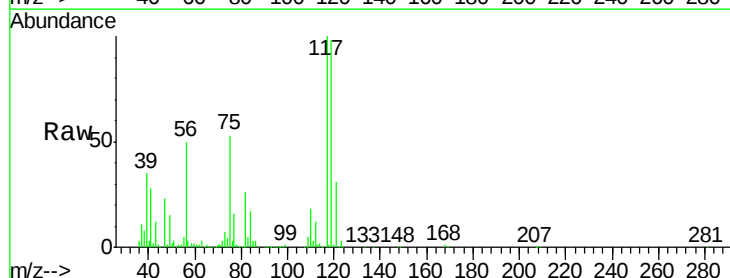
Instrument :
MSVOA_N
ClientSampleId :

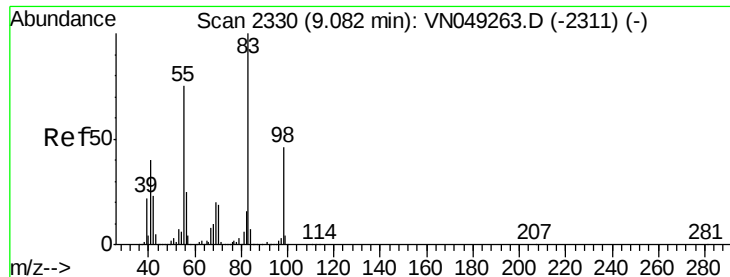
Tot Ion: 43 Resp: 700161
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 10.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 54.10 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 117 Resp: 1299690
Ion Ratio Lower Upper
117 100
119 98.1 75.6 113.4
121 31.4 24.7 37.1

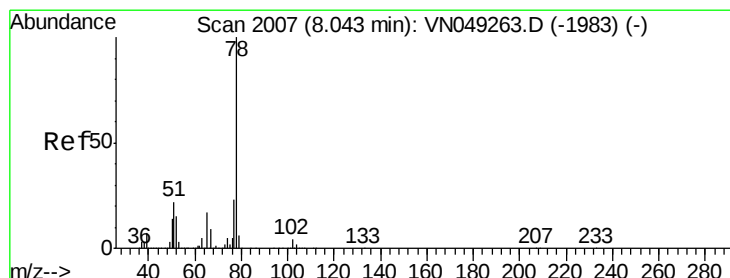
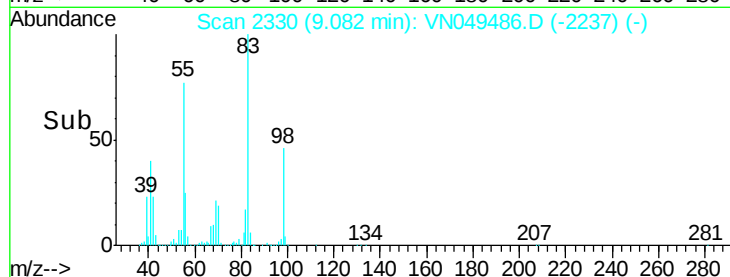
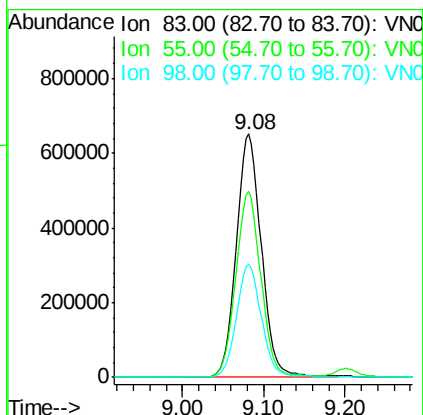
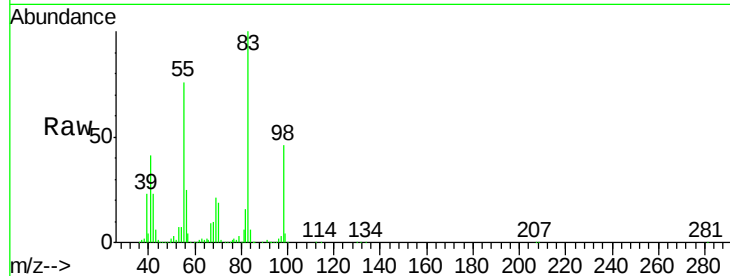




#39
Methvlcvclohexane
Concen: 55.91 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

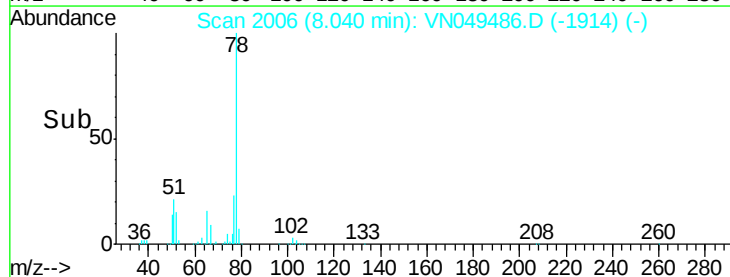
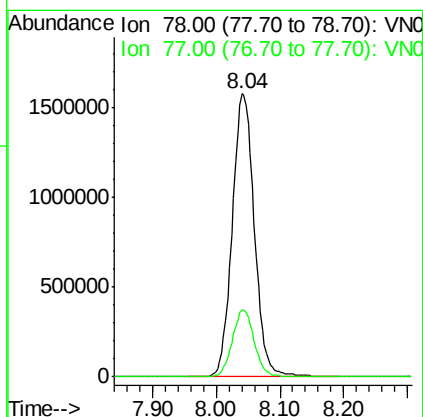
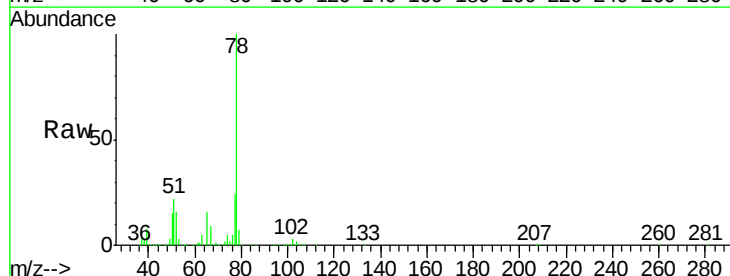
Instrument :
MSVOA_N
ClientSampleId :

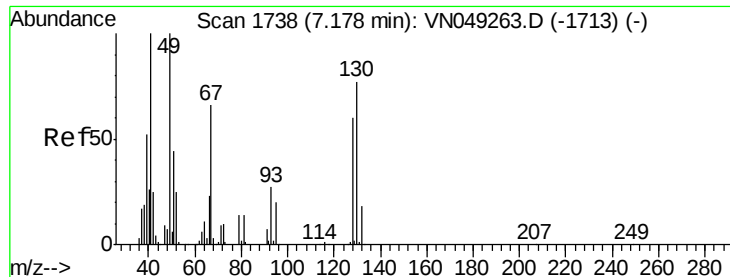
Tot Ion: 83 Resp: 1392610
Ion Ratio Lower Upper
83 100
55 76.5 65.1 97.7
98 46.2 36.5 54.7



#40
Benzene
Concen: 53.50 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 78 Resp: 3806033
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

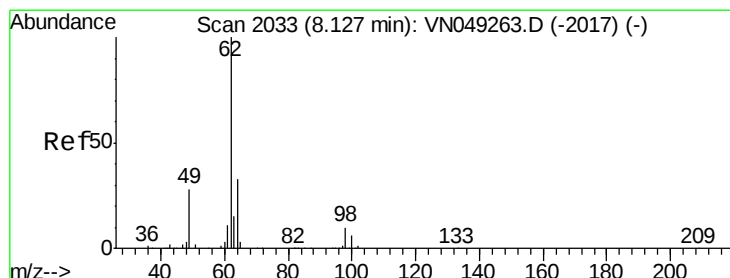
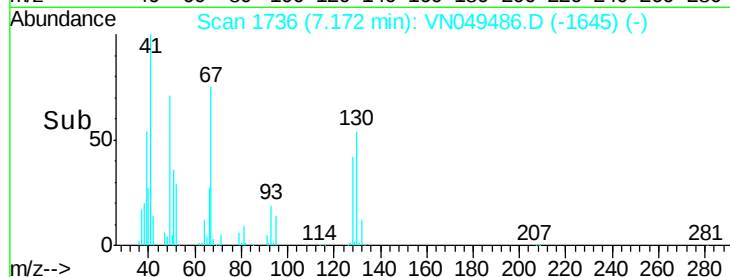
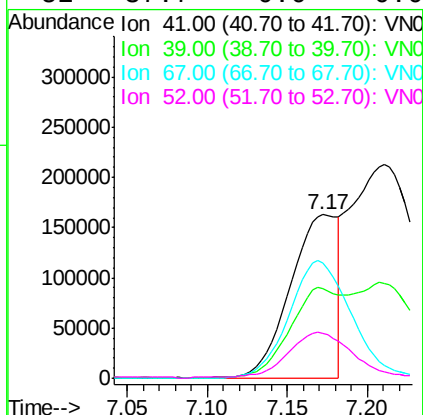
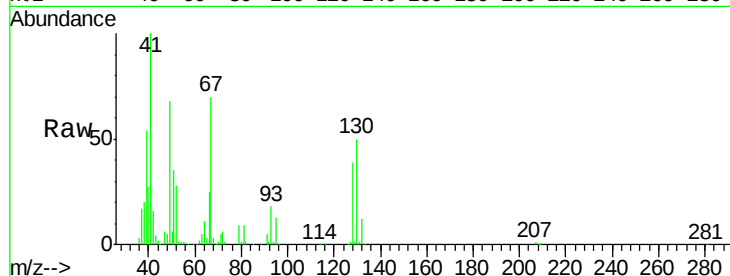




#41
Methacrylonitrile
Concen: 49.31 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

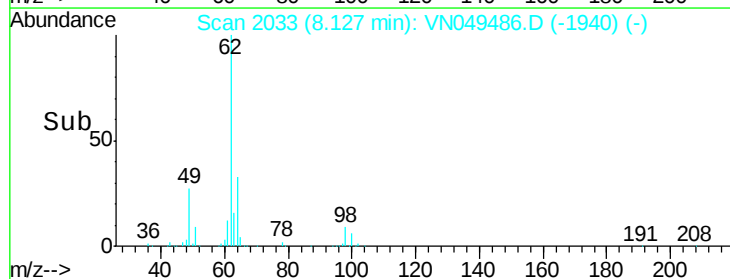
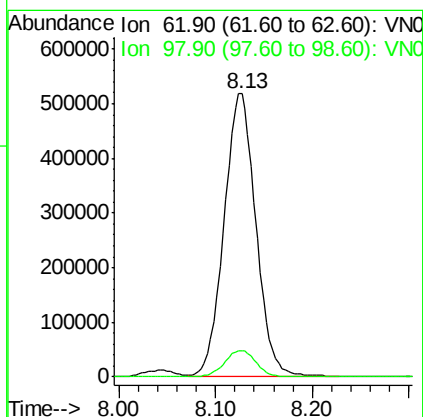
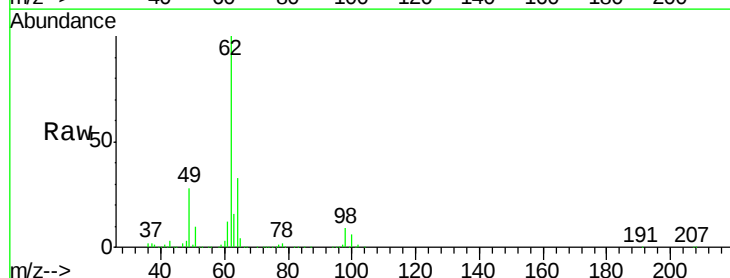
Instrument :
MSVOA_N
ClientSampled :

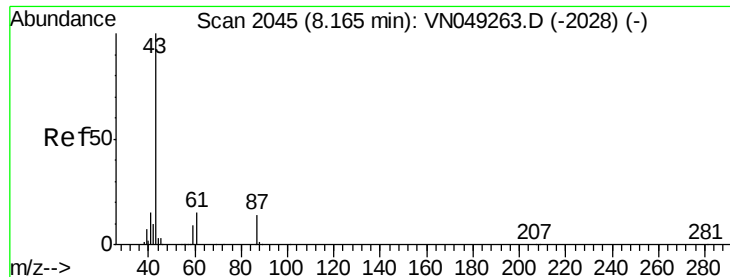
Tot Ion:	41	Resp:	336298
Ion	Ratio	Lower	Upper
41	100		
39	59.5	0.0	0.0#
67	96.0	0.0	0.0#
52	37.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 53.59 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:	62	Resp:	1177818
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.01 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

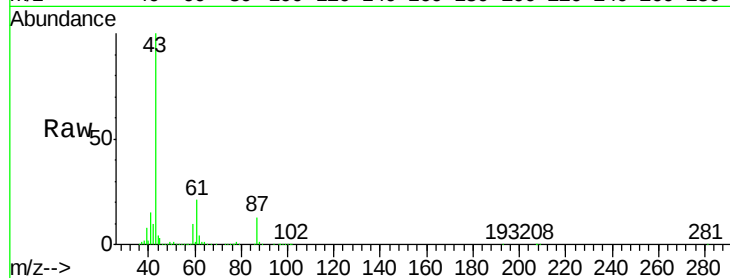
Tot Ion: 43 Resp: 1253416

Ion Ratio Lower Upper

43 100

61 19.9 14.2 21.4

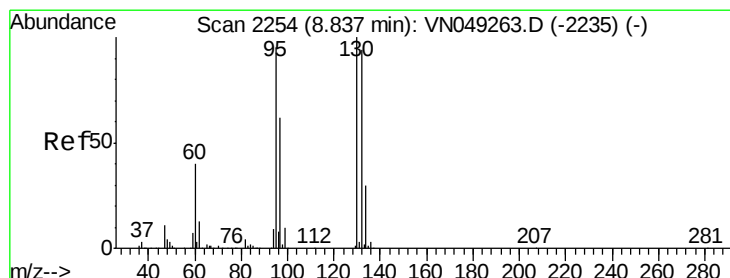
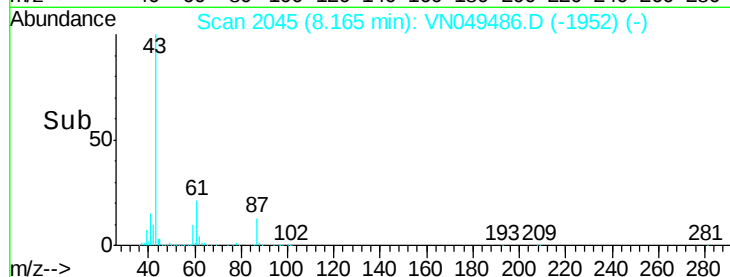
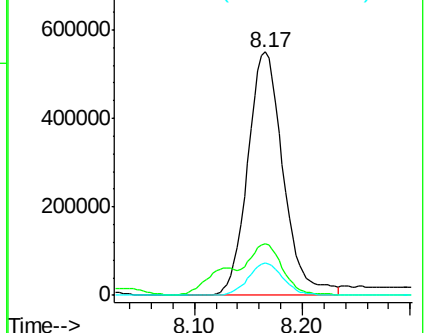
87 13.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049486.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049486.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049486.D (-1952) (-)



#44

Trichloroethene

Concen: 55.89 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049486.D

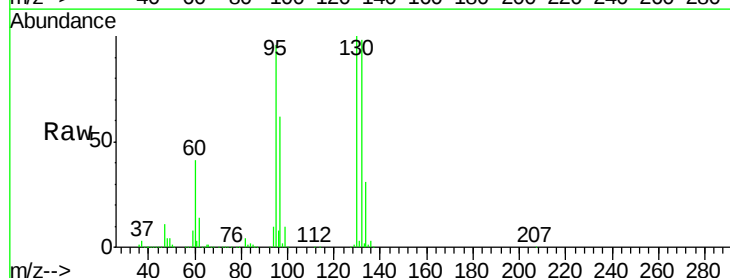
Acq: 22 Jun 2018 12:25

Tgt Ion:130 Resp: 1049915

Ion Ratio Lower Upper

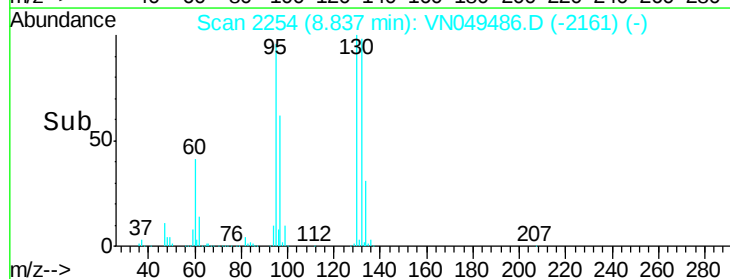
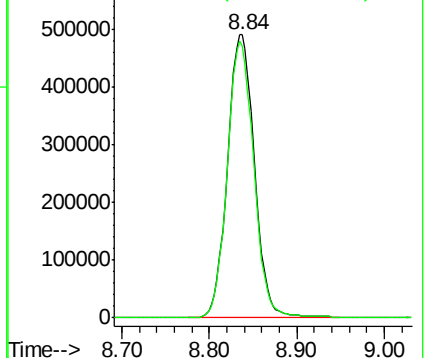
130 100

95 96.2 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049486.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049486.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 54.05 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

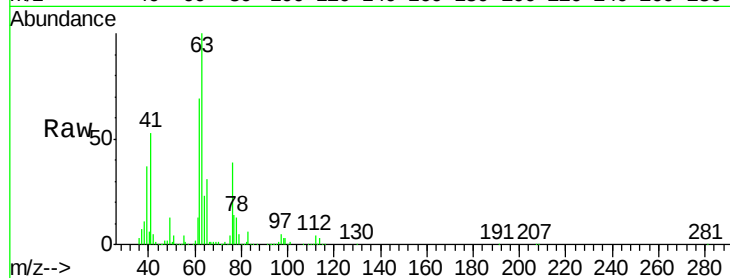
ClientSampled :

Tot Ion: 63 Resp: 1006747

Ion Ratio Lower Upper

63 100

65 31.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049486.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049486.D (-2249) (-)

9.12

500000

400000

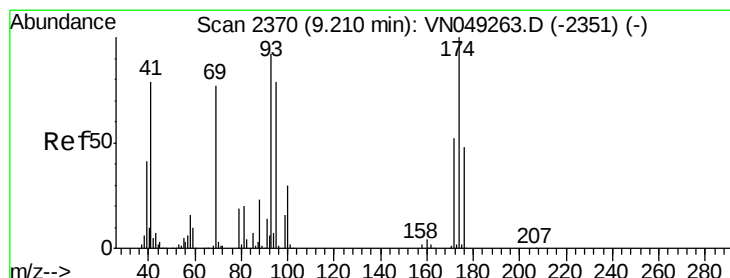
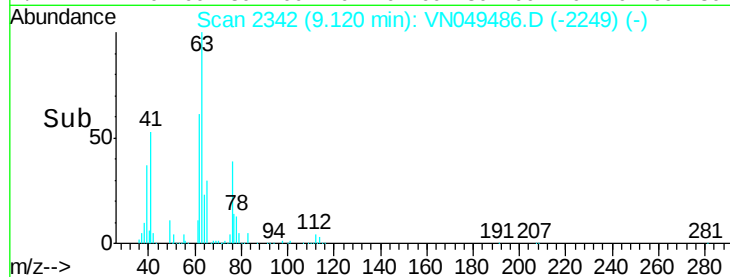
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 53.94 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

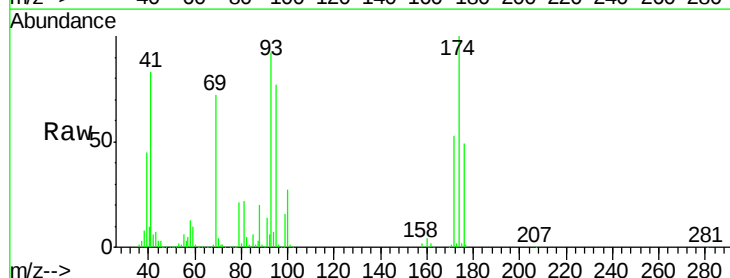
Tgt Ion: 93 Resp: 582599

Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

174 108.7 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049486.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049486.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049486.D (-2277) (-)

9.21

400000

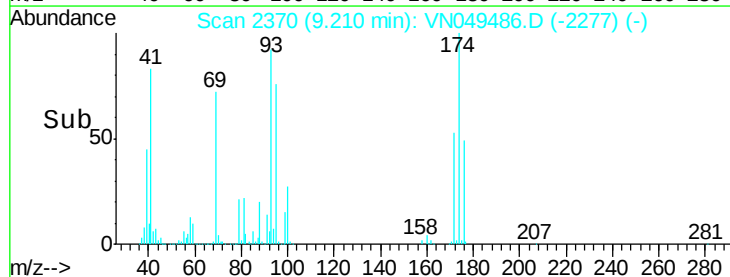
300000

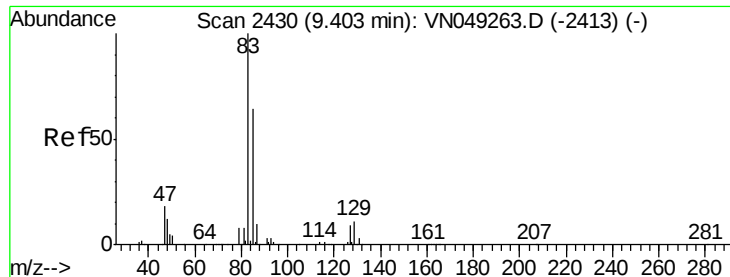
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 54.00 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampled :

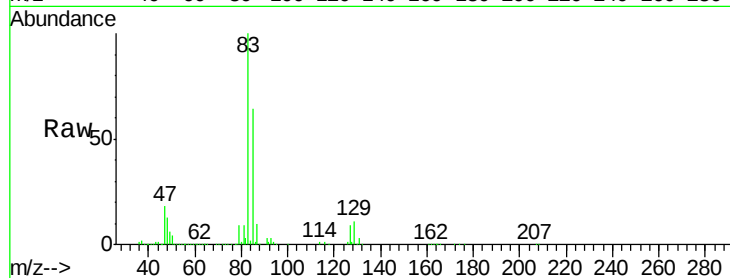
Tot Ion: 83 Resp: 1281719

Ion Ratio Lower Upper

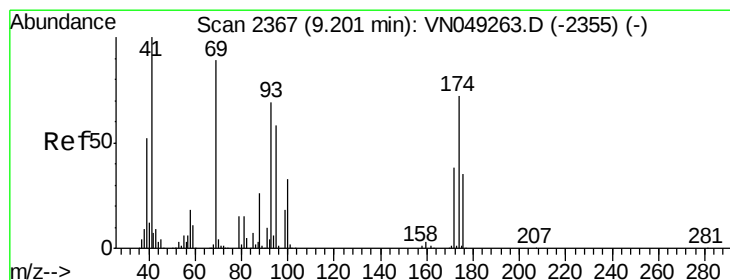
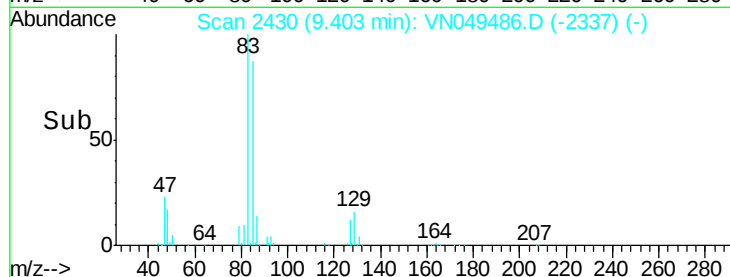
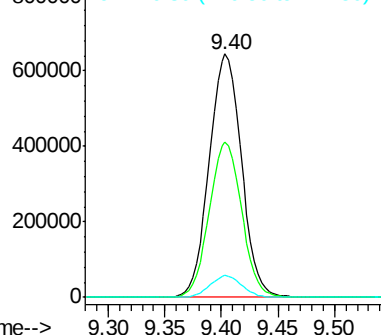
83 100

85 63.9 49.4 74.0

127 8.9 6.3 9.5



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: 57.05 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

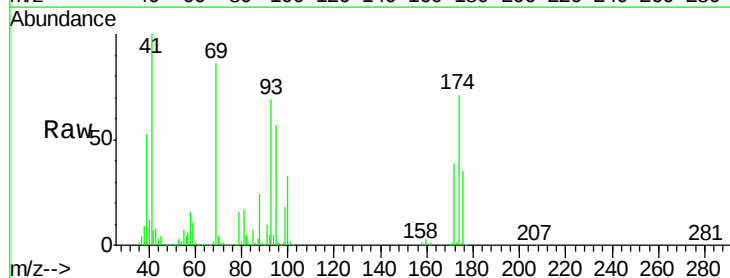
Tgt Ion: 41 Resp: 647451

Ion Ratio Lower Upper

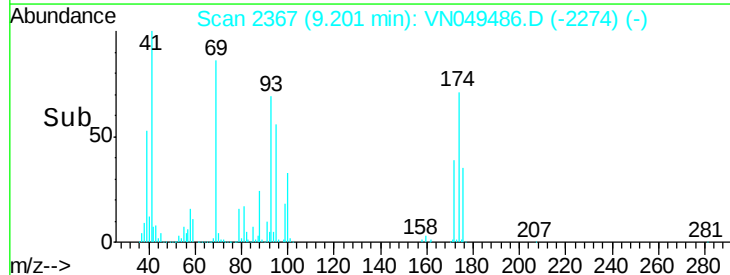
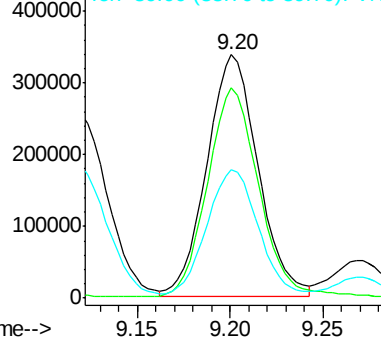
41 100

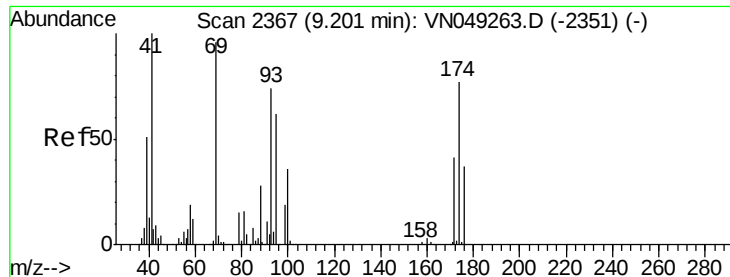
69 88.0 62.0 93.0

39 53.9 50.6 75.8



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: 1020.81 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampled :

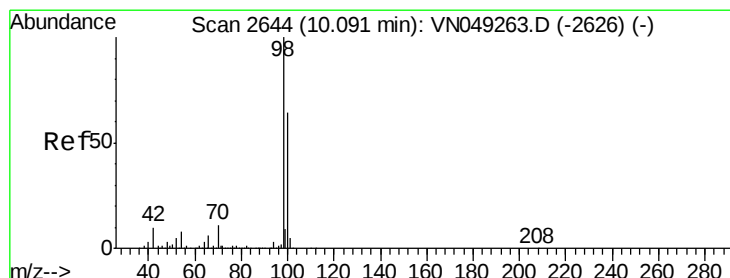
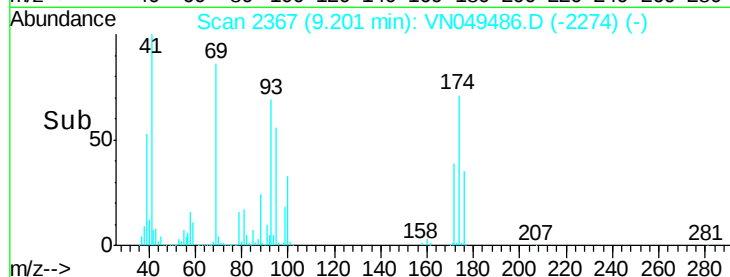
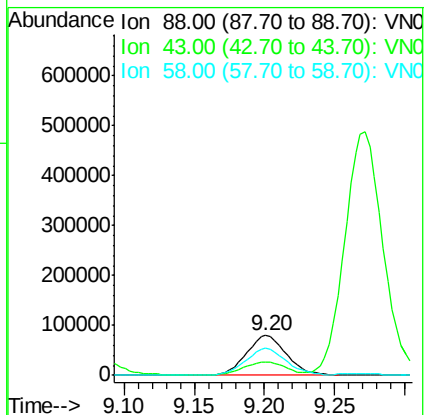
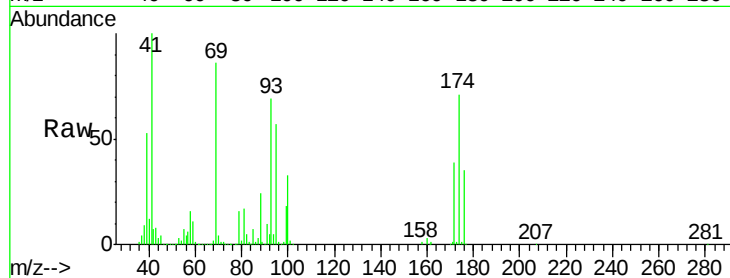
Tot Ion: 88 Resp: 159905

Ion Ratio Lower Upper

88 100

43 33.0 30.9 46.3

58 69.1 58.9 88.3



#50

Toluene-d8

Concen: 46.36 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049486.D

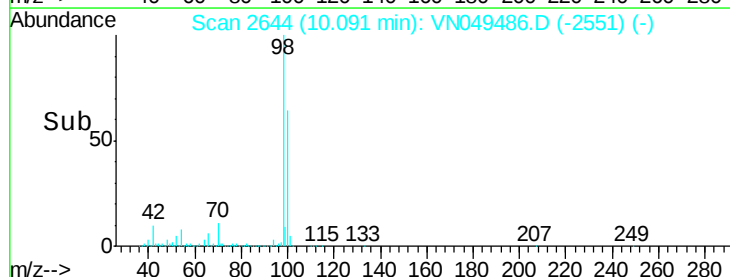
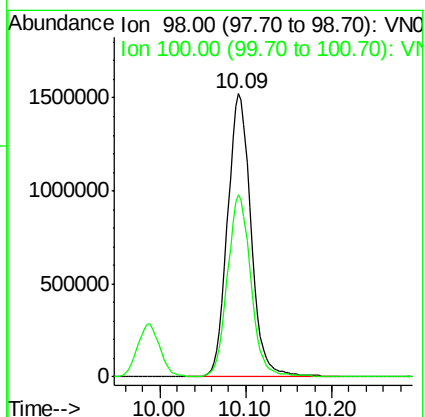
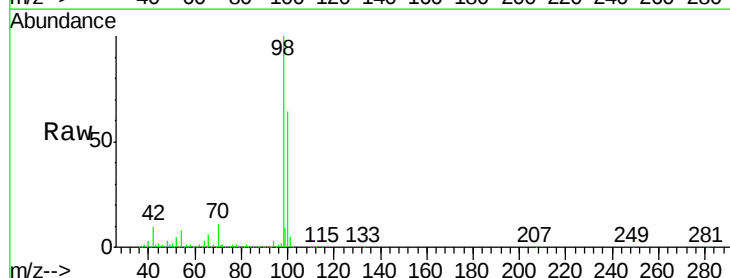
Acq: 22 Jun 2018 12:25

Tgt Ion: 98 Resp: 2891602

Ion Ratio Lower Upper

98 100

100 64.5 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 270.97 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

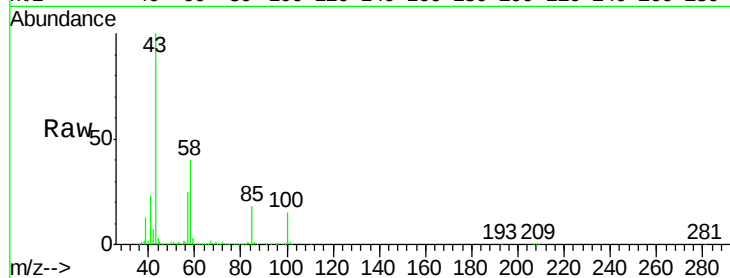
ClientSampled :

Tot Ion: 43 Resp: 3422811

Ion Ratio Lower Upper

43 100

58 39.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

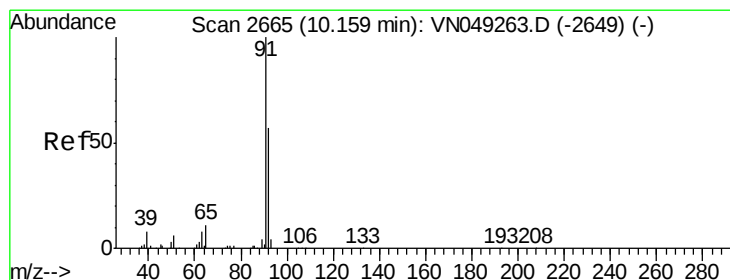
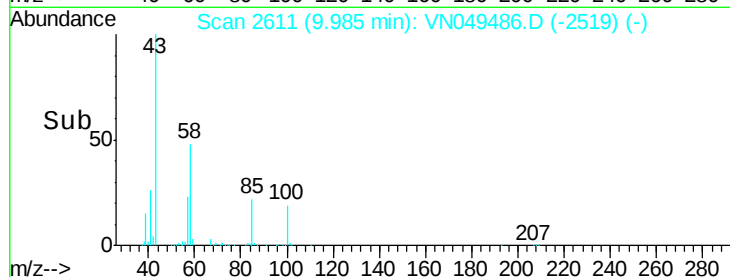
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 56.65 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049486.D

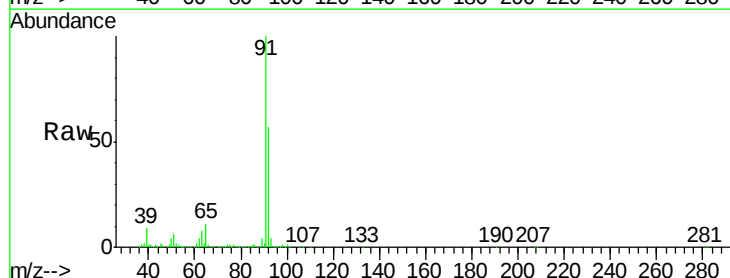
Acq: 22 Jun 2018 12:25

Tgt Ion: 92 Resp: 2365096

Ion Ratio Lower Upper

92 100

91 176.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

2500000

2000000

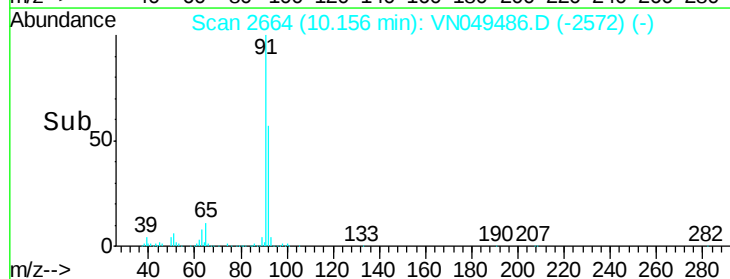
1500000

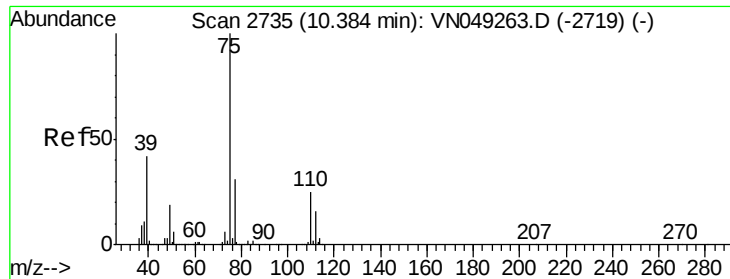
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.20 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

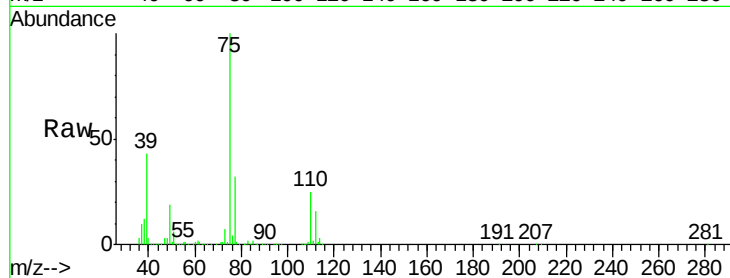
ClientSampleId :

Tot Ion: 75 Resp: 1253316

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

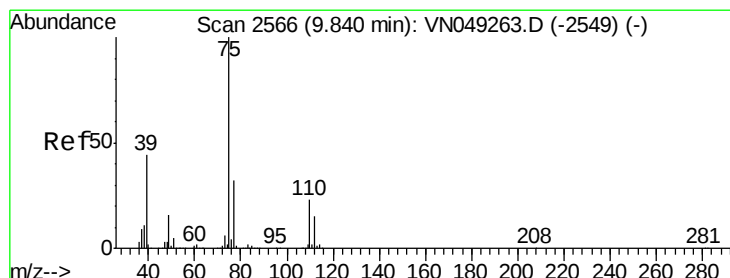
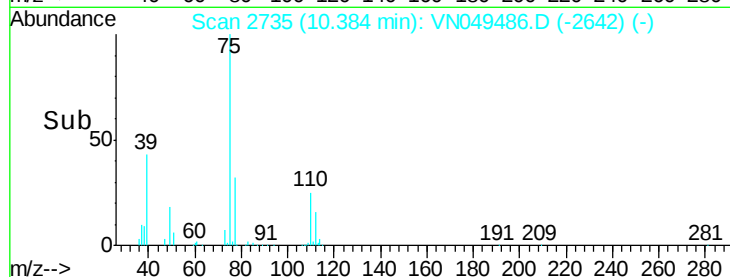
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

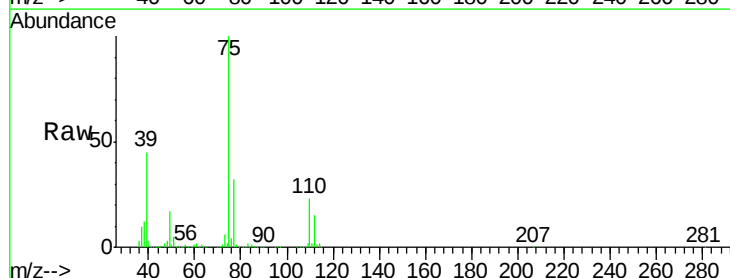
Tgt Ion: 75 Resp: 1475839

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.8 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1000000

800000

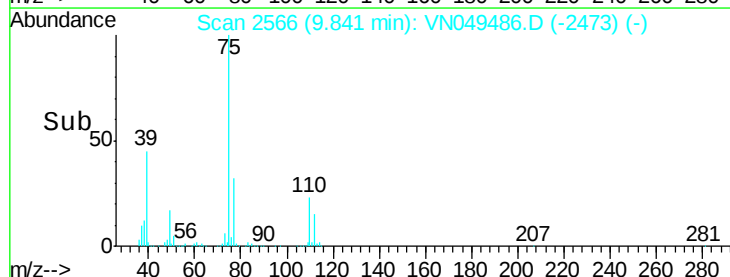
600000

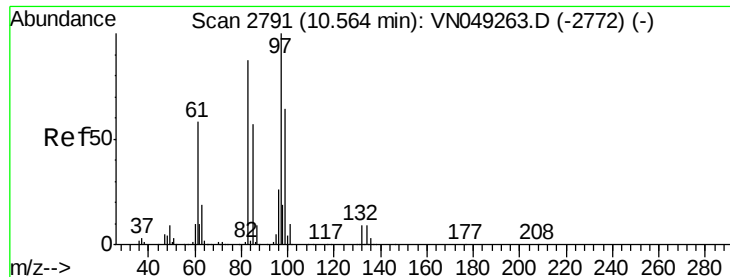
400000

200000

0

Time-->

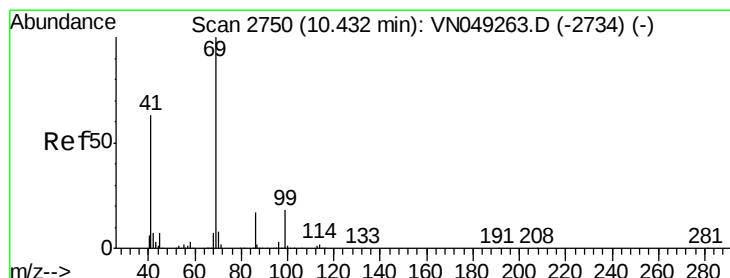
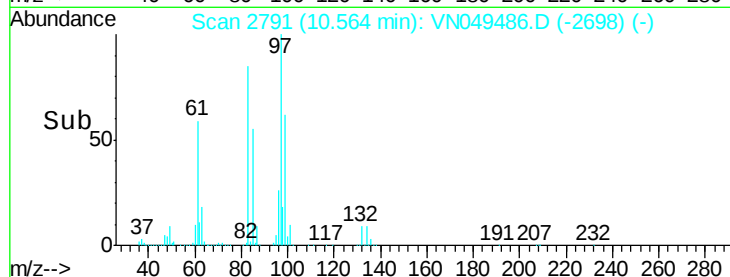
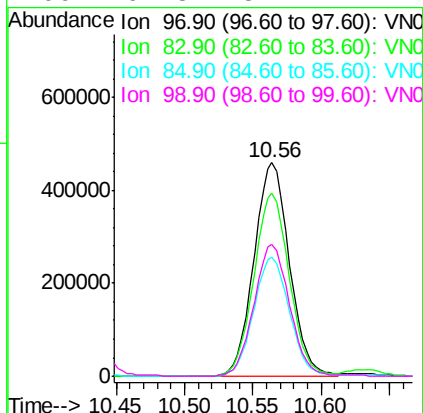
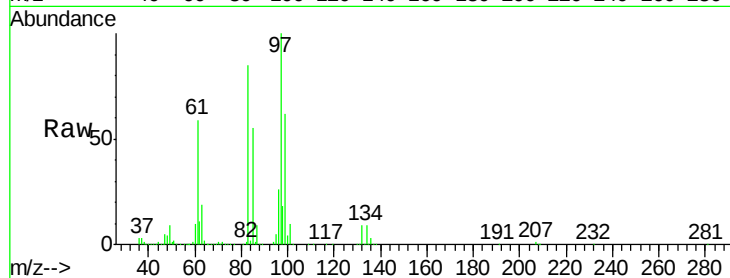




#55
 1,1,2-Trichloroethane
 Concen: 53.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

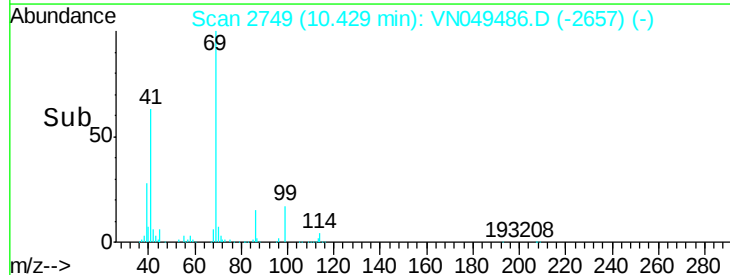
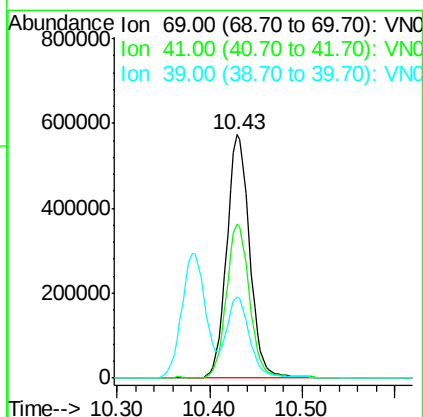
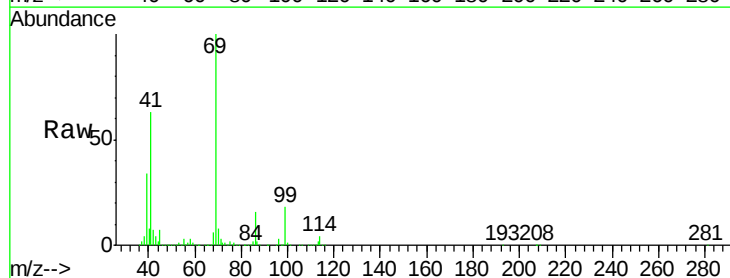
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	830396
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.5	107.3
85	55.5	47.0	70.4
99	61.8	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 54.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion	69	Resp	984742
Ion	Ratio	Lower	Upper
69	100		
41	62.9	58.4	87.6
39	32.7	35.5	53.3#

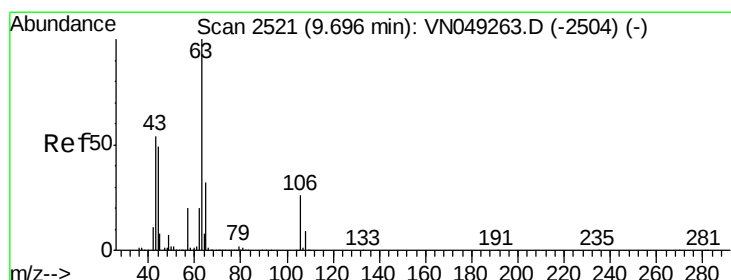
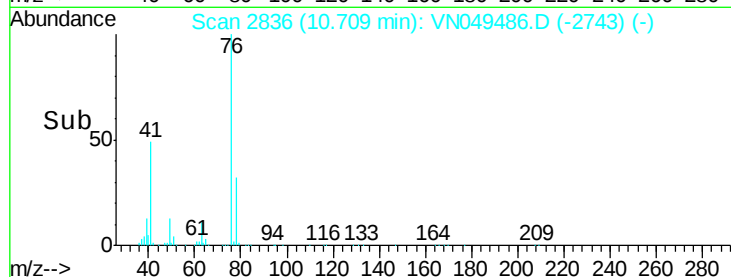
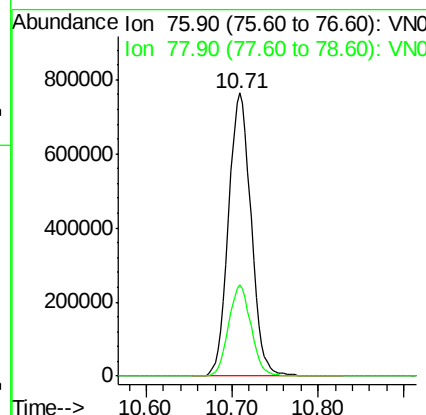
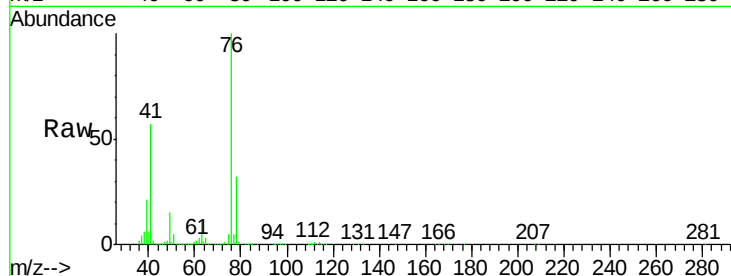




#57
 1,3-Dichloropropane
 Concen: 54.15 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

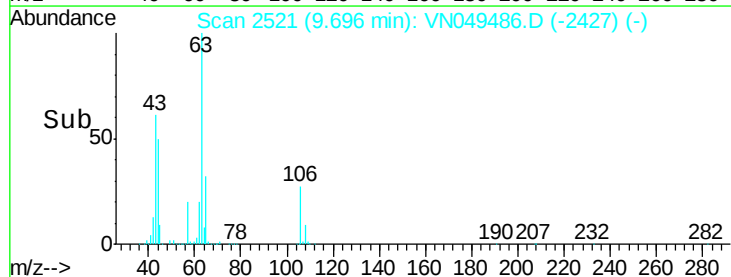
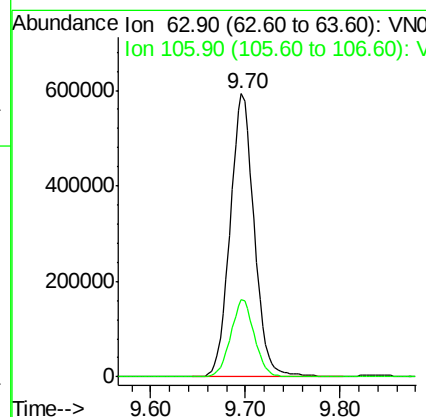
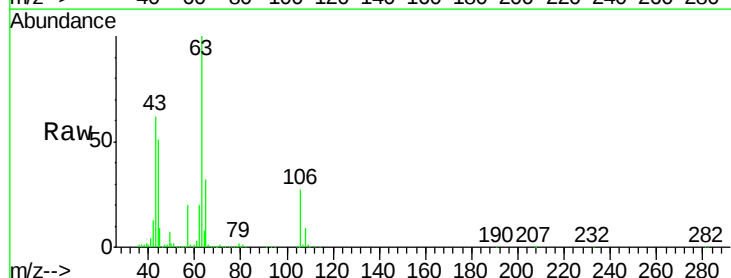
Instrument :
 MSVOA_N
 ClientSampled :

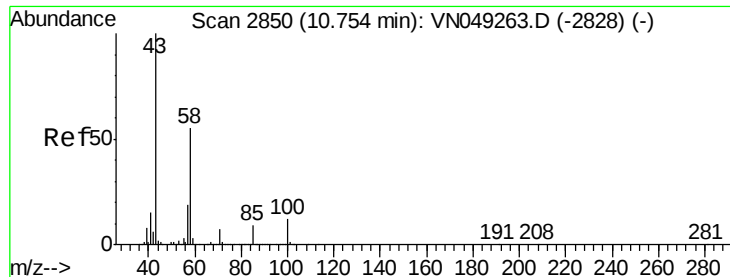
Tot Ion: 76 Resp: 1396165
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 168.90 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 63 Resp: 1052598
 Ion Ratio Lower Upper
 63 100
 106 26.8 19.4 29.2

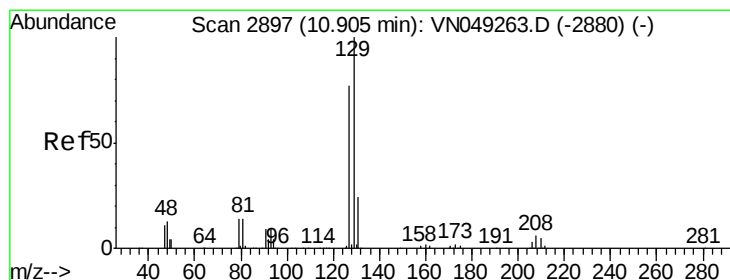
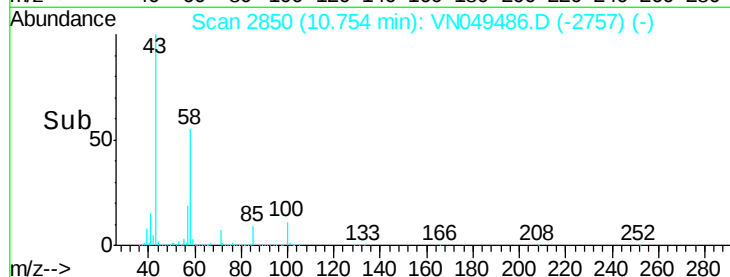
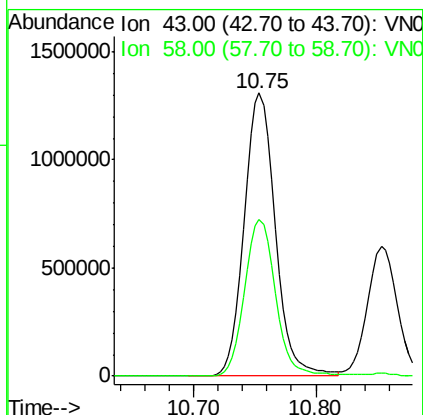
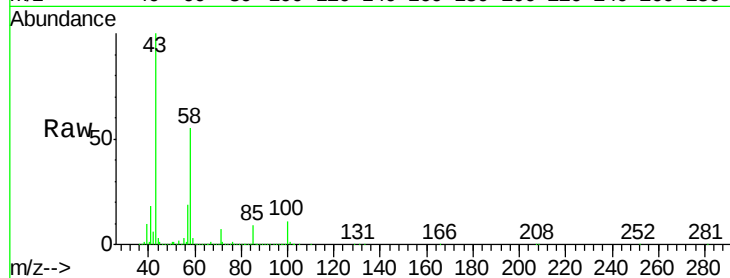




#59
2-Hexanone
Concen: 281.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

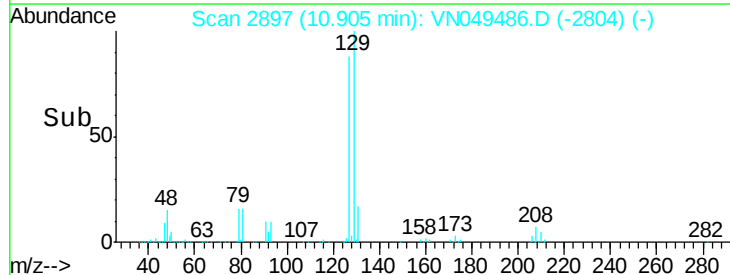
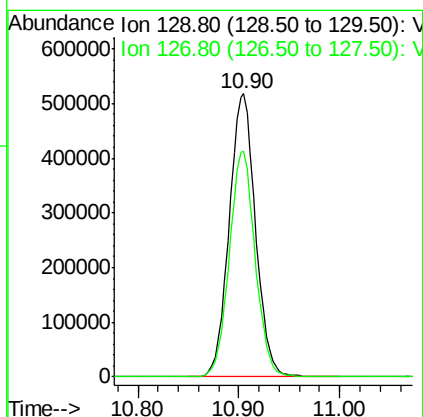
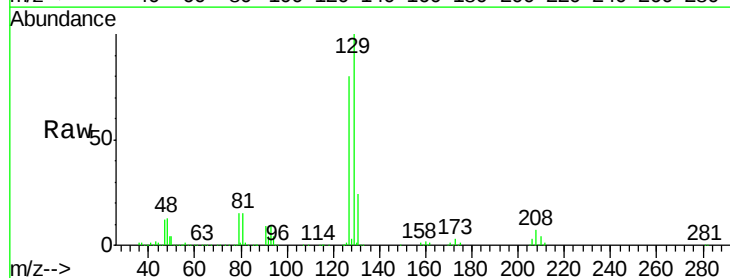
Instrument :
MSVOA_N
ClientSampled :

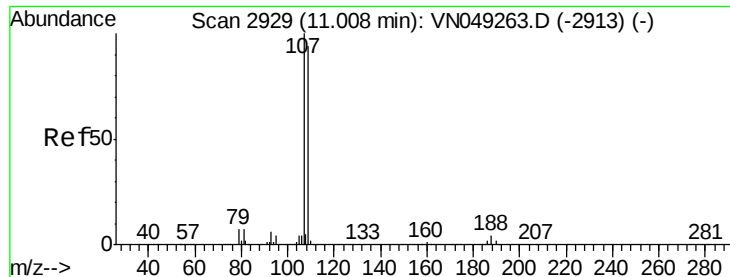
Tot Ion: 43 Resp: 2288451
Ion Ratio Lower Upper
43 100
58 55.3 25.2 75.6



#60
Dibromochloromethane
Concen: 54.31 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 129 Resp: 943510
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 55.04 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

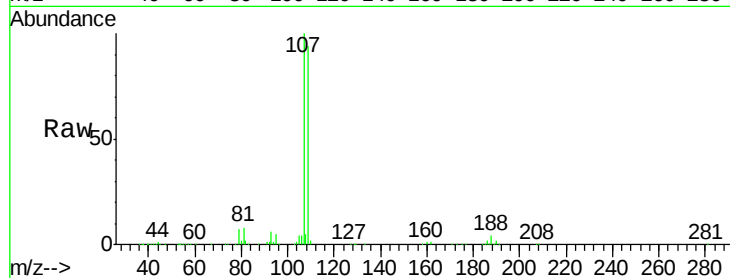
ClientSampleId :

Tot Ion:107 Resp: 796239

Ion Ratio Lower Upper

107 100

109 94.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

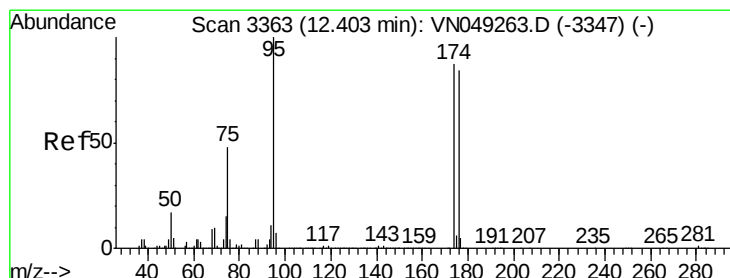
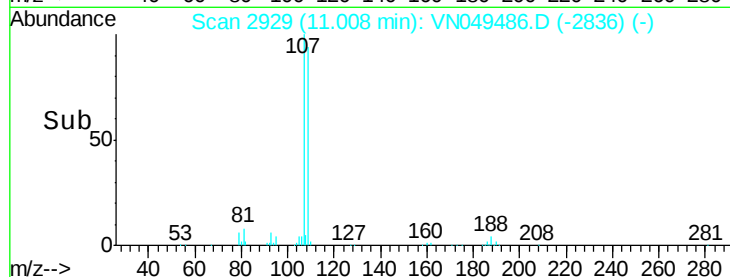
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

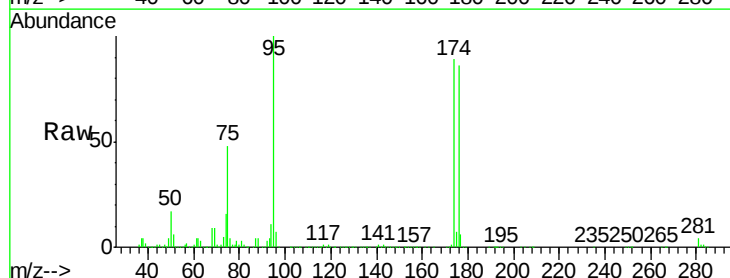
Tgt Ion: 95 Resp: 1018120

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

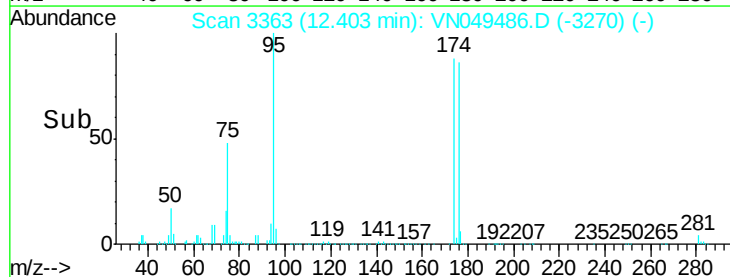
600000

400000

200000

0

Time--> 12.30 12.40 12.50

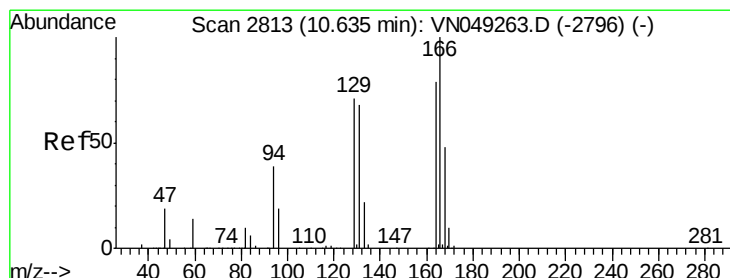
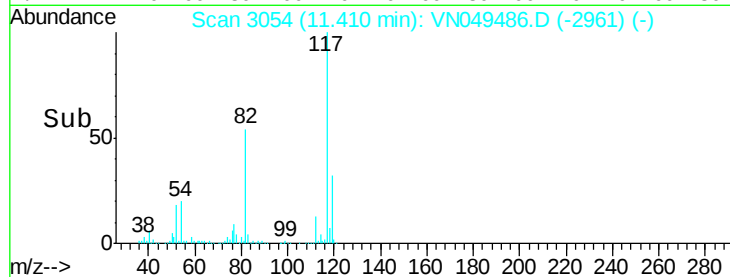
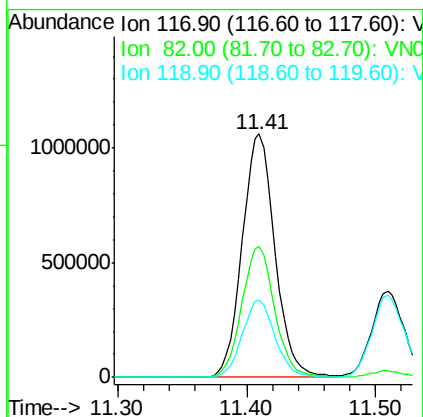
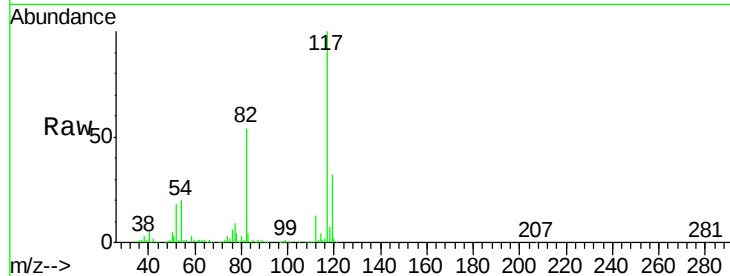




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

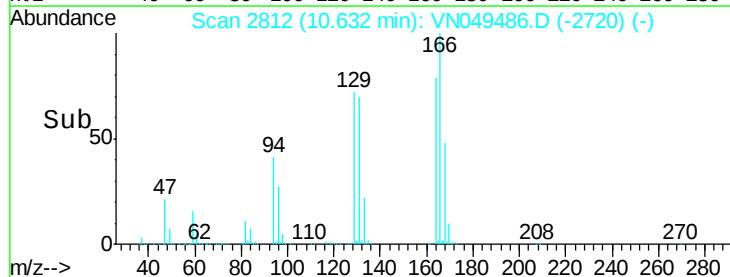
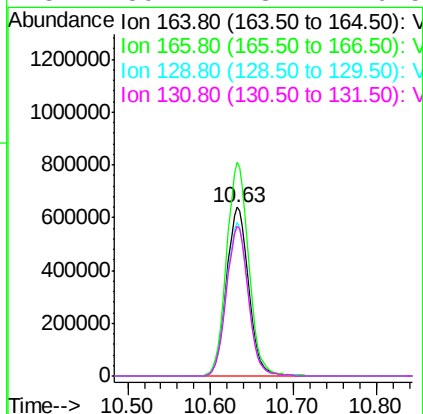
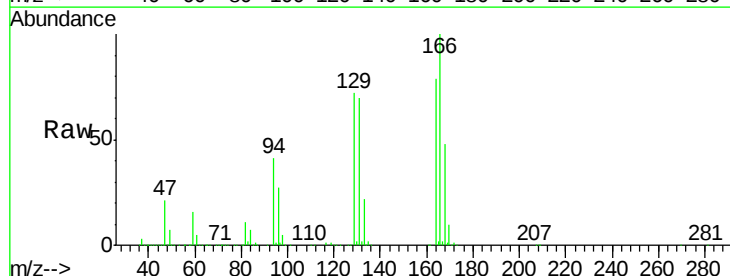
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1880572
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 61.09 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:164 Resp: 1177229
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.2
129 91.0 74.1 111.1
131 89.2 73.7 110.5

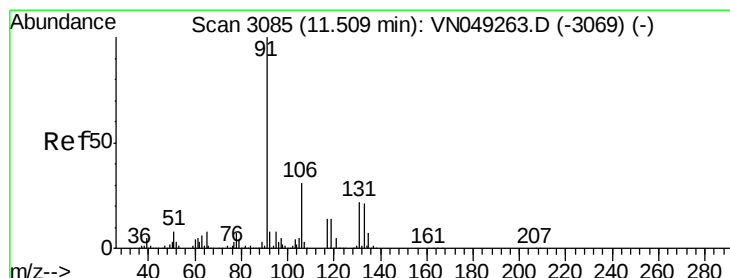
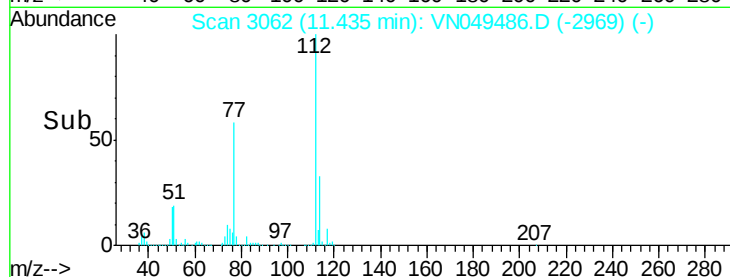
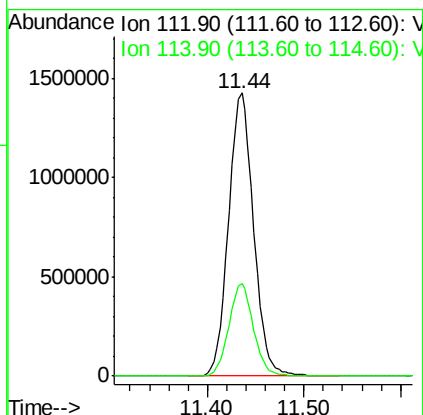
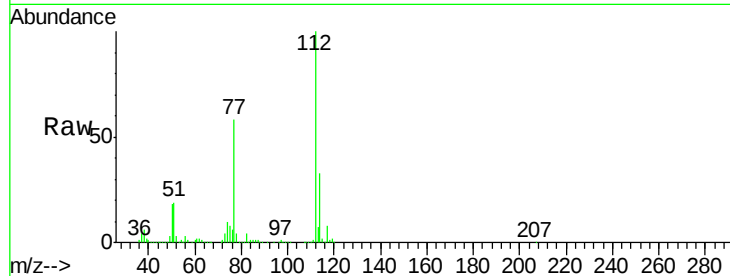




#65
Chlorobenzene
Concen: 52.87 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

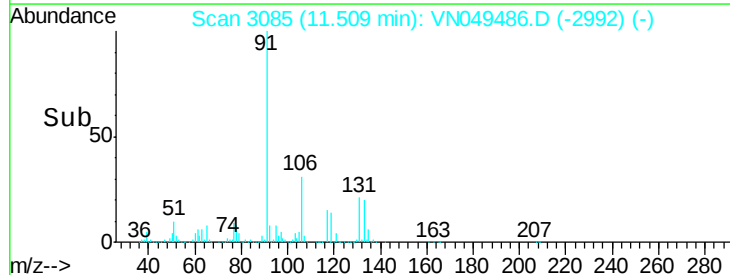
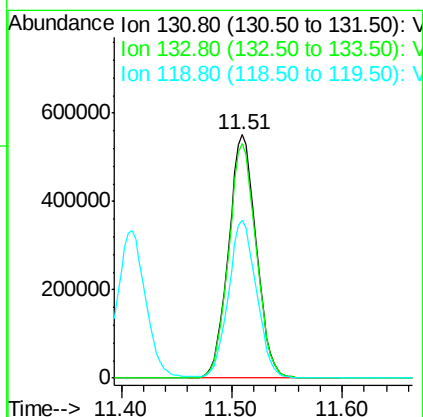
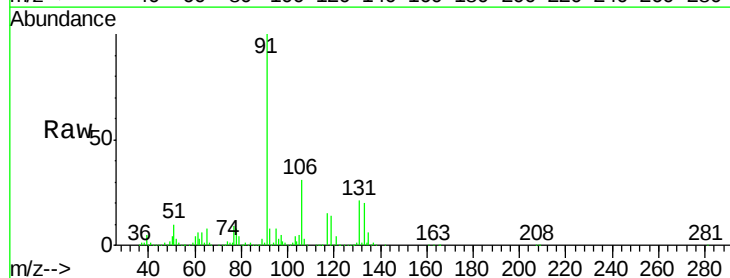
Instrument :
MSVOA_N
ClientSampleId :

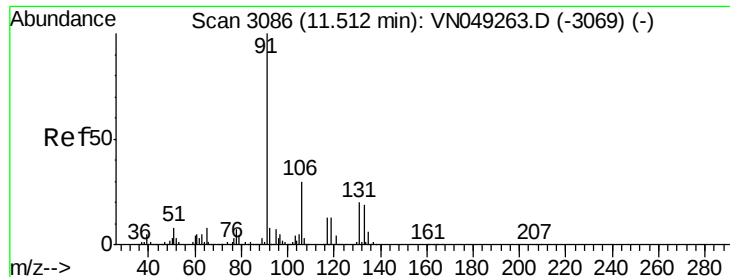
Tot Ion:112 Resp: 2561349
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.59 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:131 Resp: 958828
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.7 33.6 100.8





#67

Ethyl Benzene

Concen: 56.26 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

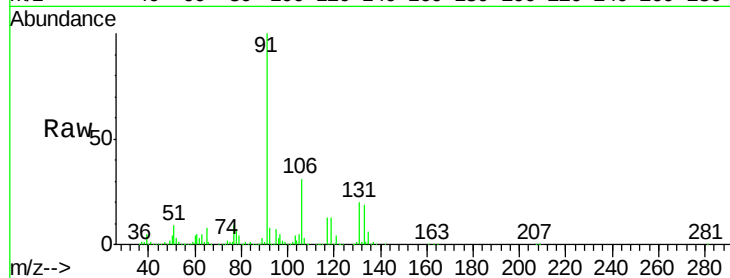
ClientSampled :

Tot Ion: 91 Resp: 4520423

Ion Ratio Lower Upper

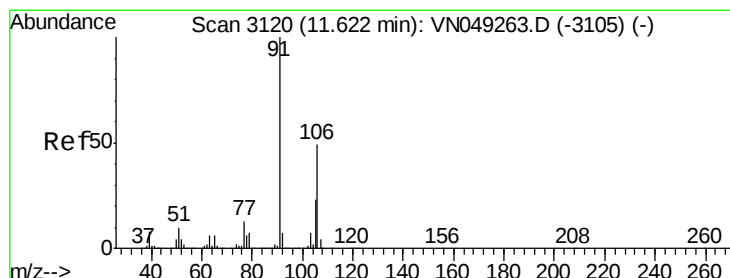
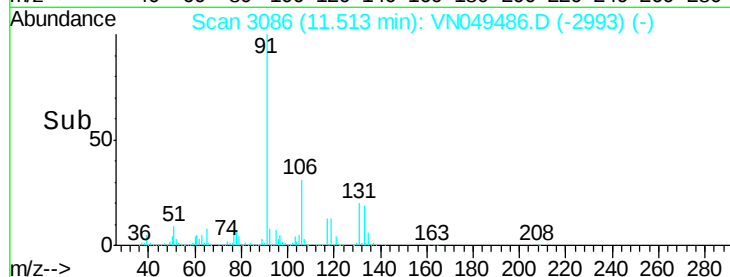
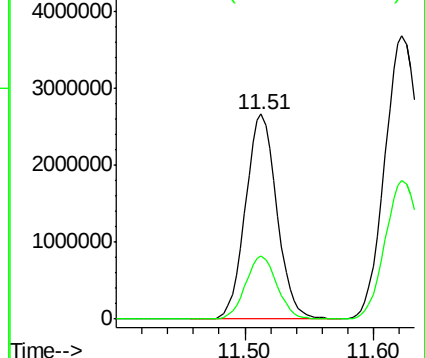
91 100

106 30.7 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 115.92 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049486.D

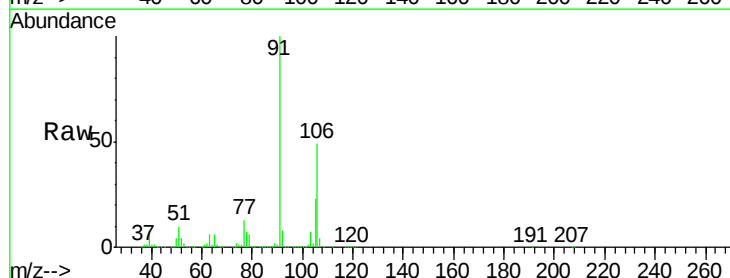
Acq: 22 Jun 2018 12:25

Tgt Ion:106 Resp: 3495864

Ion Ratio Lower Upper

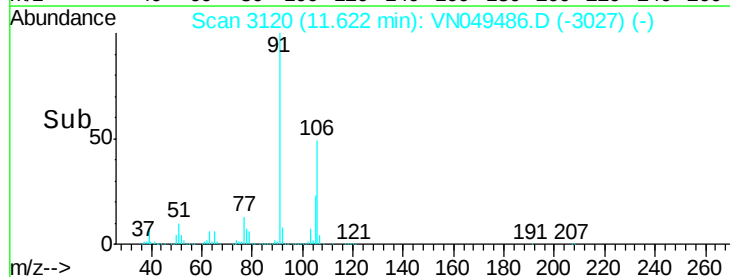
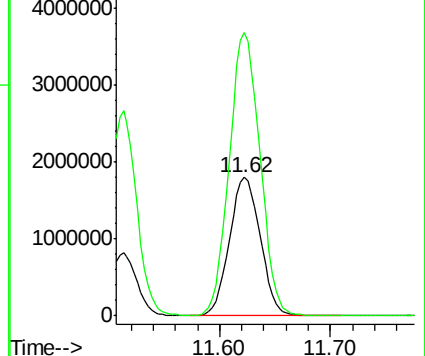
106 100

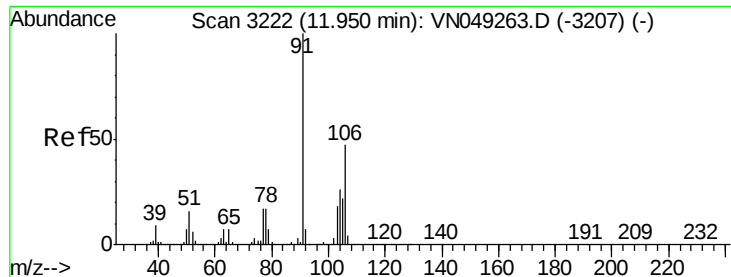
91 204.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 56.98 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

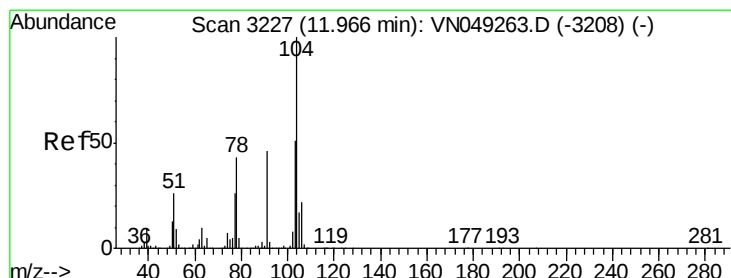
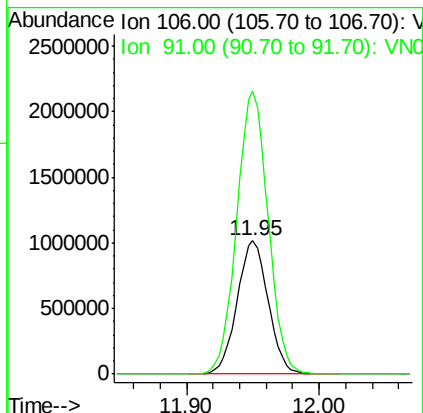
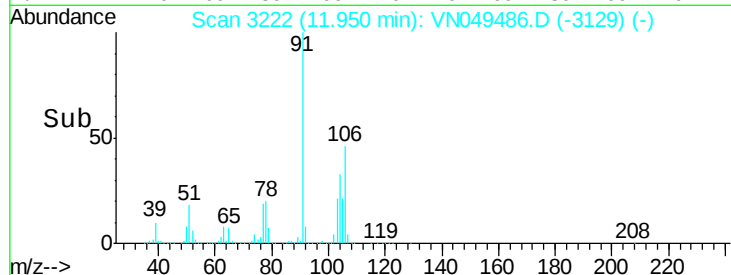
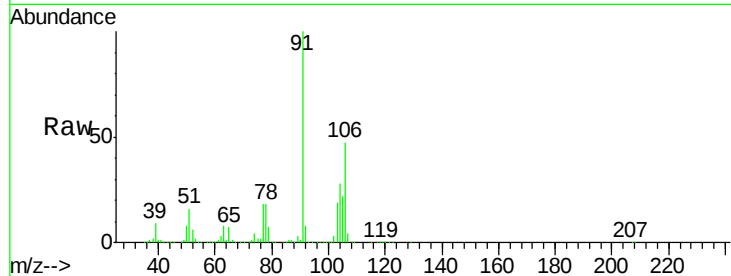
ClientSampled :

Tot Ion:106 Resp: 1654936

Ion Ratio Lower Upper

106 100

91 213.9 111.0 333.0



#70

Styrene

Concen: 58.29 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

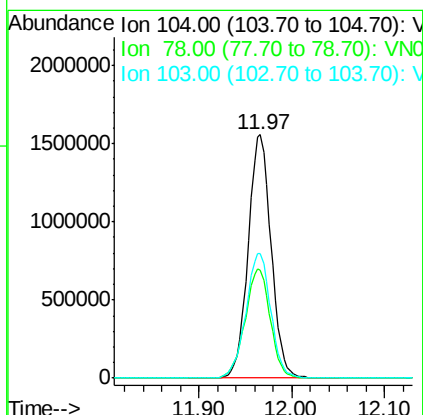
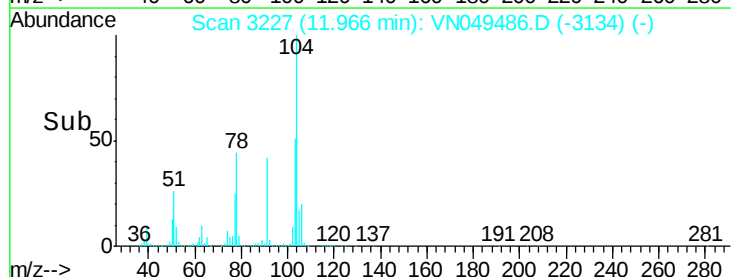
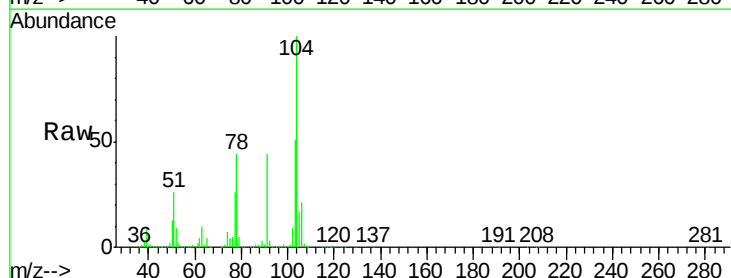
Tgt Ion:104 Resp: 2670956

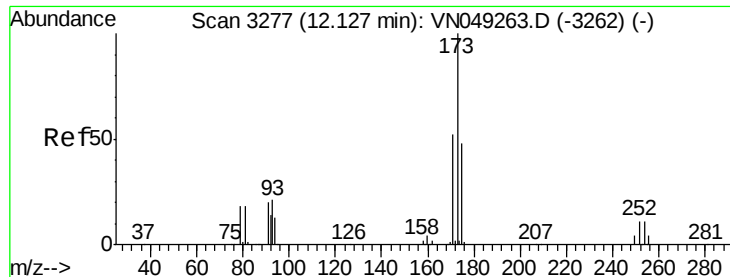
Ion Ratio Lower Upper

104 100

78 49.3 41.6 62.4

103 55.8 45.4 68.2

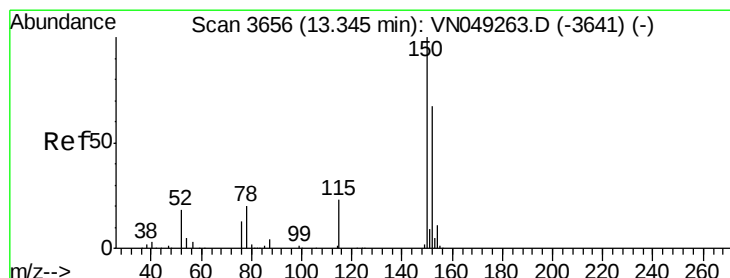
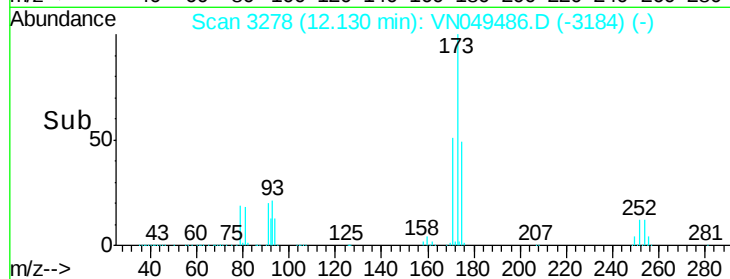
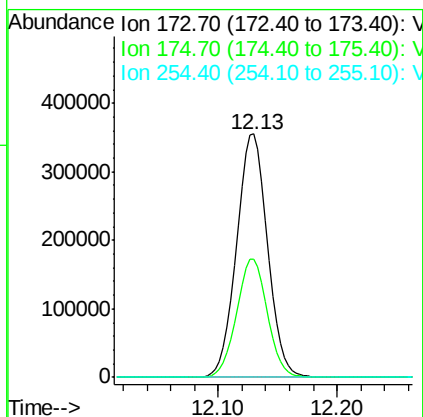
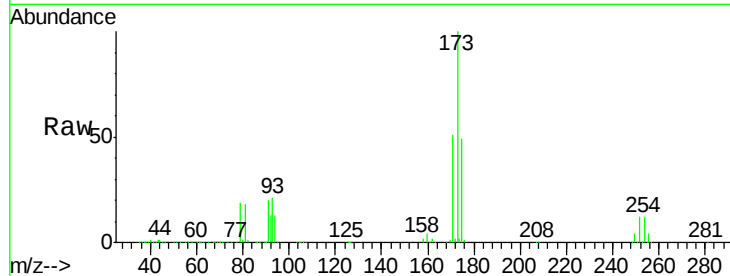




#71
Bromoform
Concen: 54.12 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

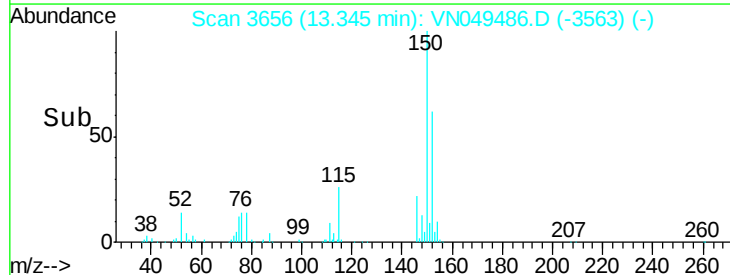
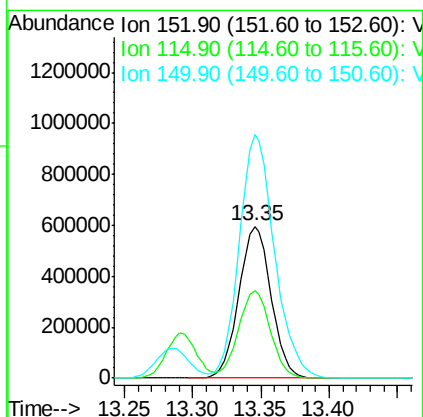
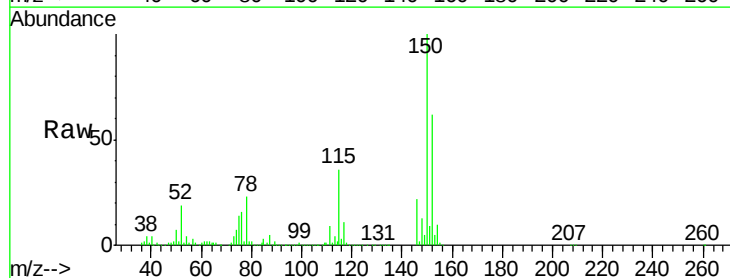
Instrument :
MSVOA_N
ClientSampleId :

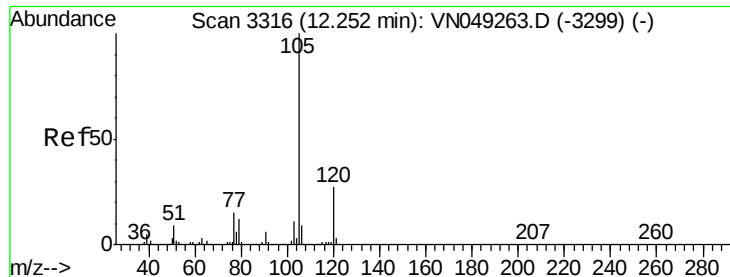
Tot Ion:173 Resp: 638705
Ion Ratio Lower Upper
173 100
175 48.5 24.5 73.5
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:152 Resp: 973418
Ion Ratio Lower Upper
152 100
115 56.8 28.7 86.1
150 176.4 0.0 351.0





#73

Isopropylbenzene

Concen: 52.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

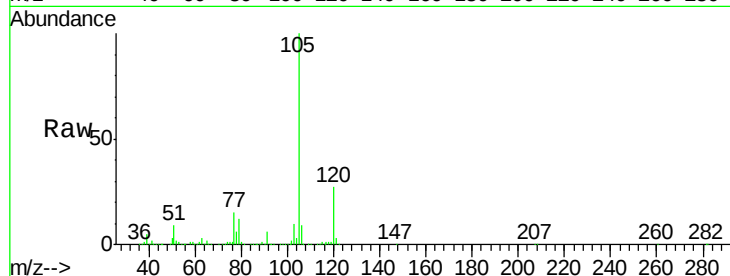
ClientSampleId :

Tot Ion:105 Resp: 4461819

Ion Ratio Lower Upper

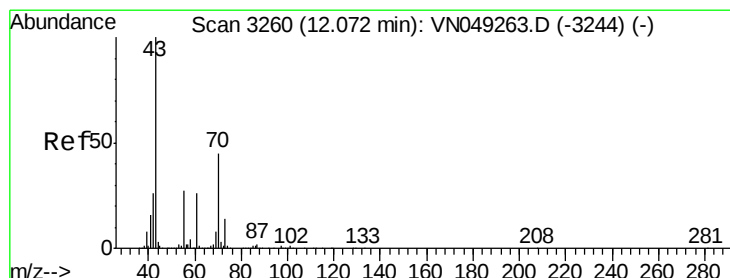
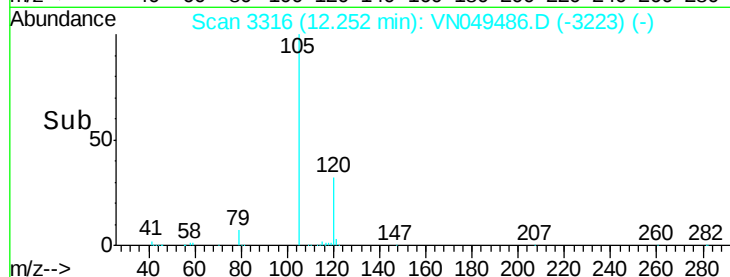
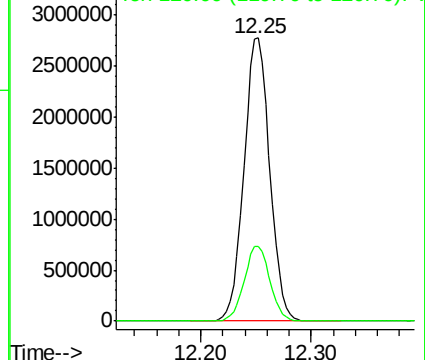
105 100

120 26.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.90 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 1044676

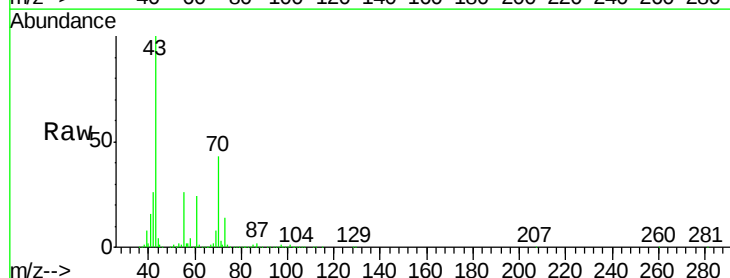
Ion Ratio Lower Upper

43 100

70 43.3 30.3 45.5

55 26.4 19.4 29.2

61 24.6 17.8 26.6

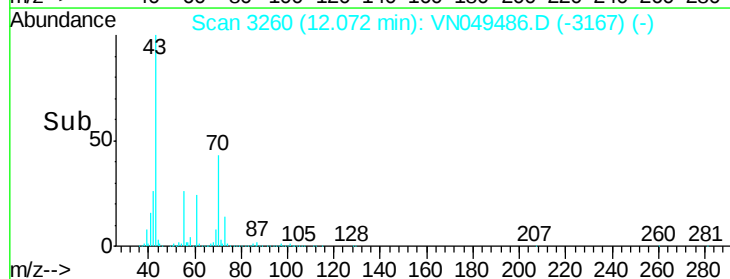
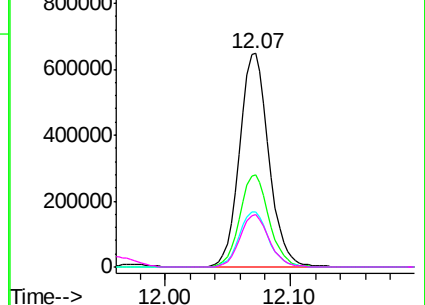


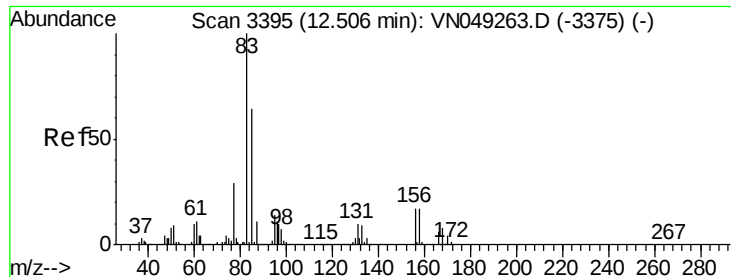
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.12 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

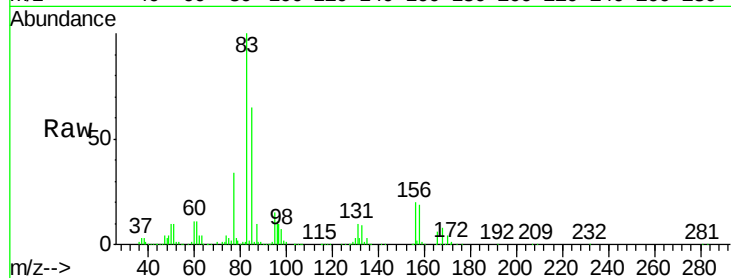
Tot Ion: 83 Resp: 881221

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

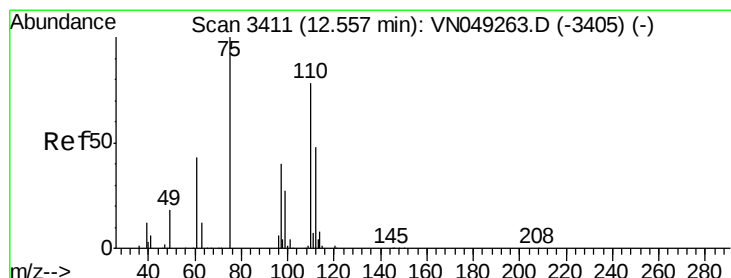
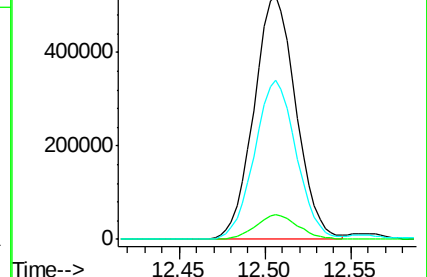
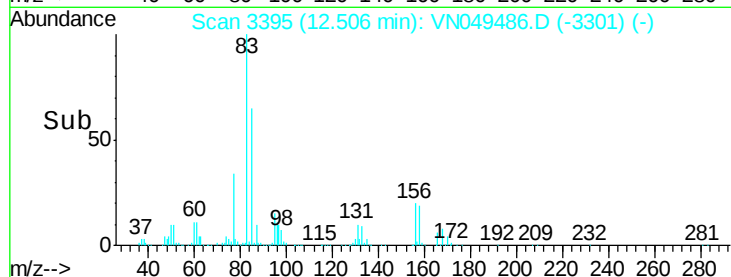
85 65.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049486.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049486.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049486.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 71.87 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049486.D

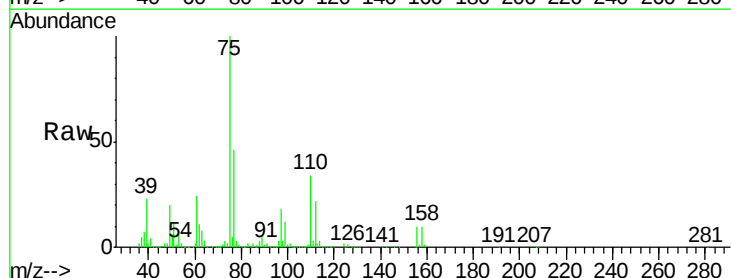
Acq: 22 Jun 2018 12:25

Tgt Ion: 75 Resp: 1193685

Ion Ratio Lower Upper

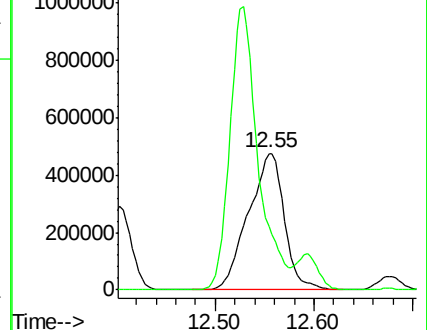
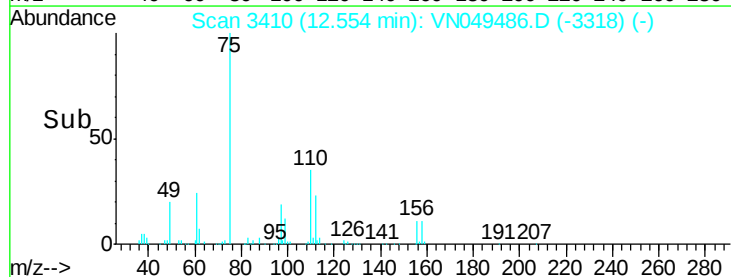
75 100

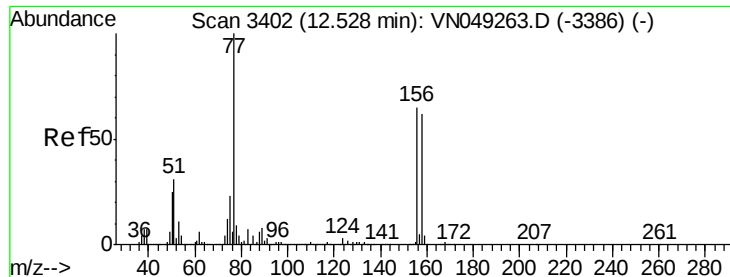
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049486.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049486.D (-3318) (-)





#77

Bromobenzene

Concen: 49.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

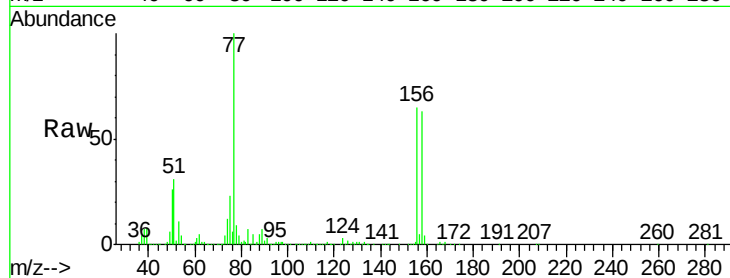
Tot Ion:156 Resp: 1108452

Ion Ratio Lower Upper

156 100

77 178.8 100.8 302.4

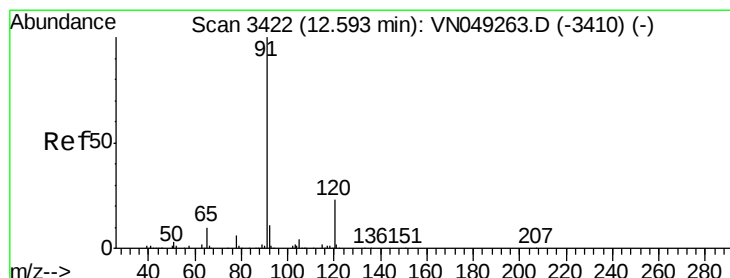
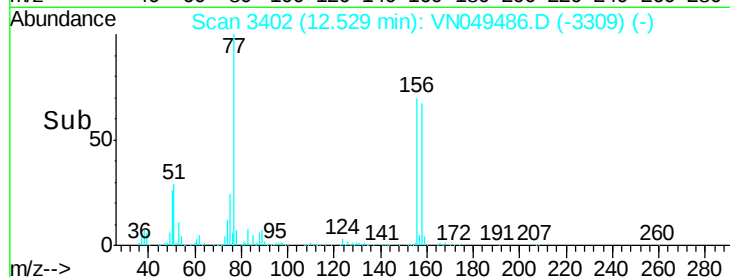
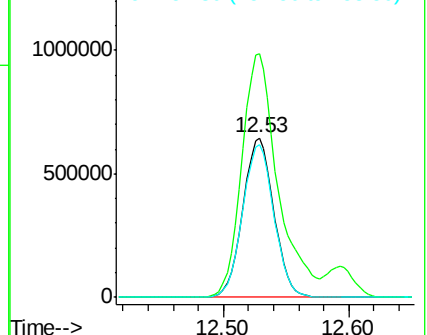
158 96.9 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.51 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049486.D

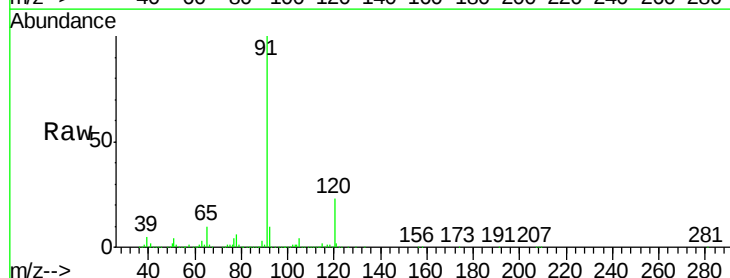
Acq: 22 Jun 2018 12:25

Tgt Ion: 91 Resp: 5115854

Ion Ratio Lower Upper

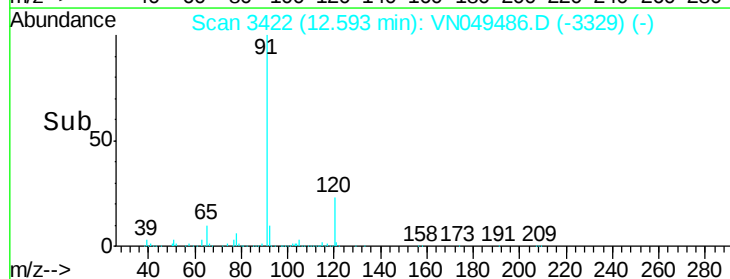
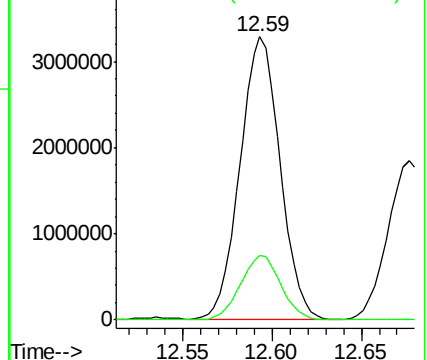
91 100

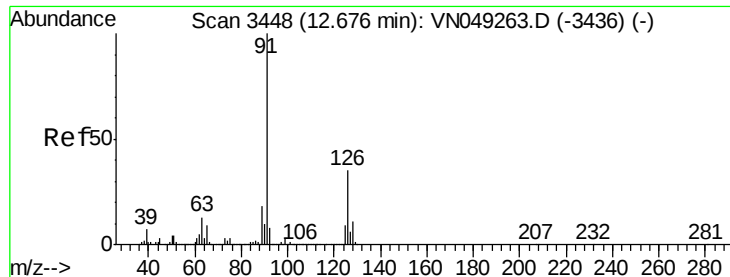
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

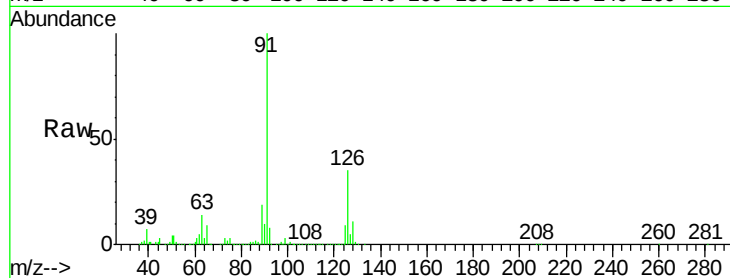
ClientSampled :

Tot Ion: 91 Resp: 3031417

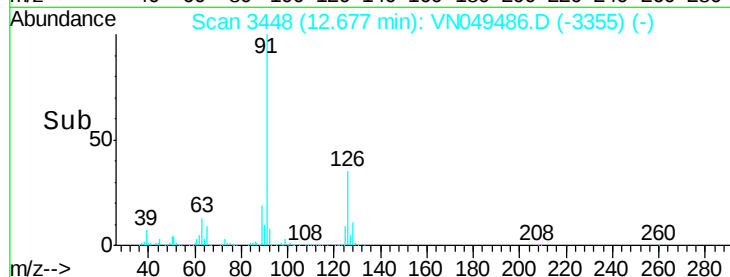
Ion Ratio Lower Upper

91 100

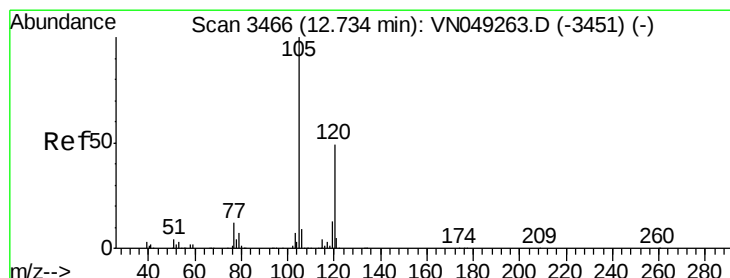
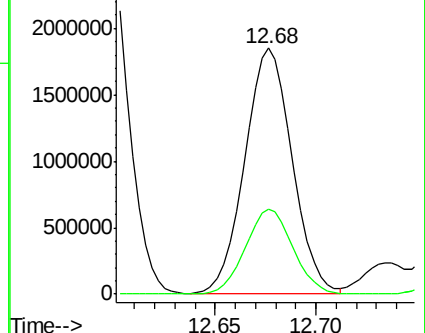
126 34.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049486.D (-3355) (-)



Ion 125.90 (125.60 to 126.60): VN049486.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049486.D

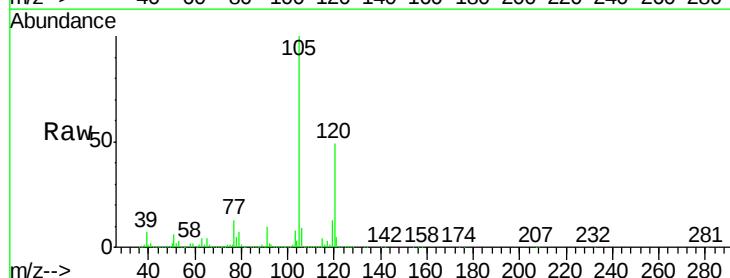
Acq: 22 Jun 2018 12:25

Tgt Ion: 105 Resp: 3663980

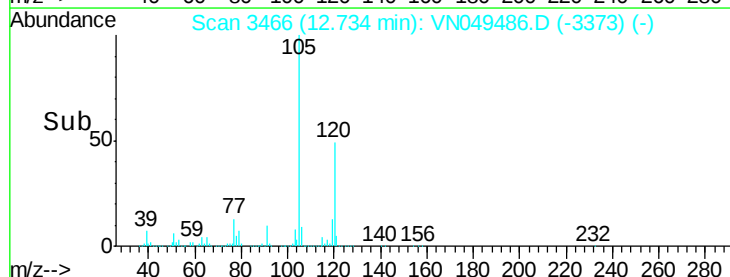
Ion Ratio Lower Upper

105 100

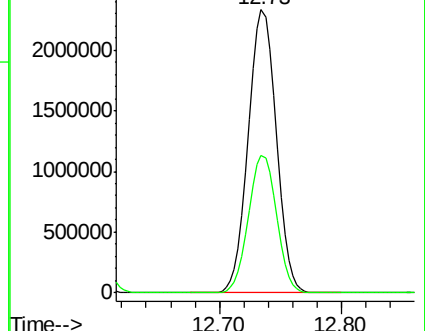
120 48.7 23.5 70.5

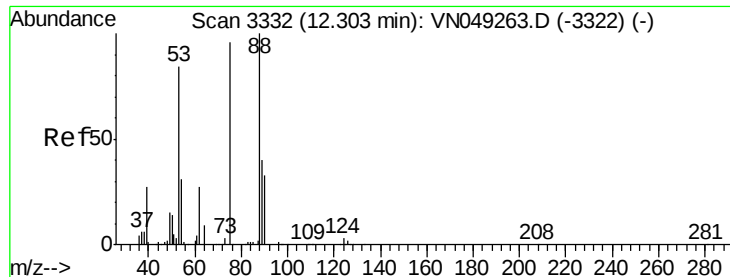


Abundance Ion 105.00 (104.70 to 105.70): VN049486.D (-3373) (-)



Ion 120.00 (119.70 to 120.70): VN049486.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.50 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

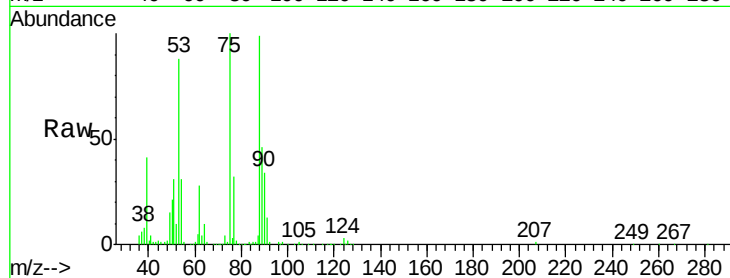
Tot Ion: 75 Resp: 260149

Ion Ratio Lower Upper

75 100

53 90.3 82.7 124.1

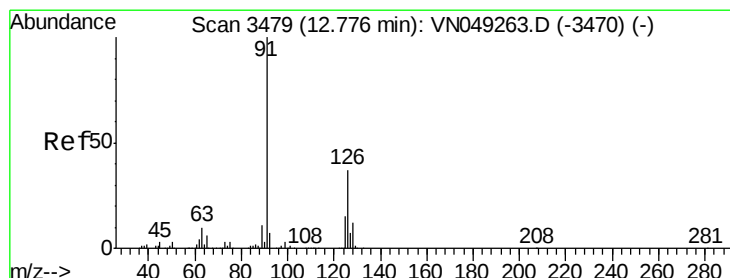
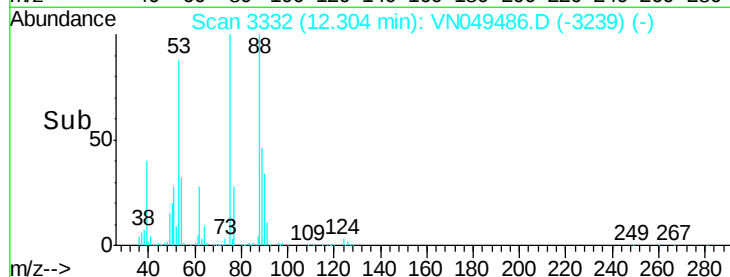
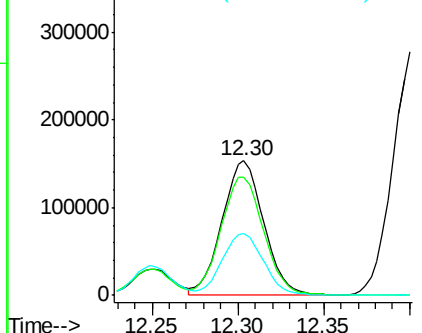
89 45.5 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN049486.D (-3332) (-)

Ion 53.00 (52.70 to 53.70): VN049486.D (-3332) (-)

Ion 88.90 (88.60 to 89.60): VN049486.D (-3332) (-)



#82

4-Chlorotoluene

Concen: 53.23 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049486.D

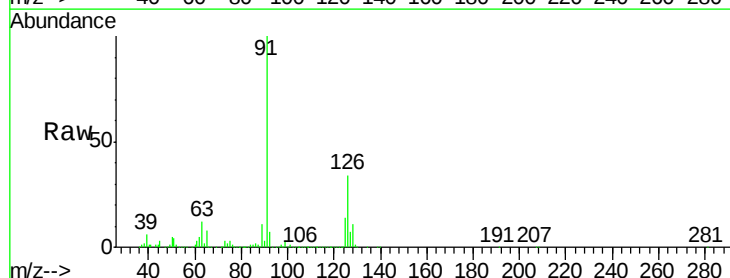
Acq: 22 Jun 2018 12:25

Tgt Ion: 91 Resp: 3053715

Ion Ratio Lower Upper

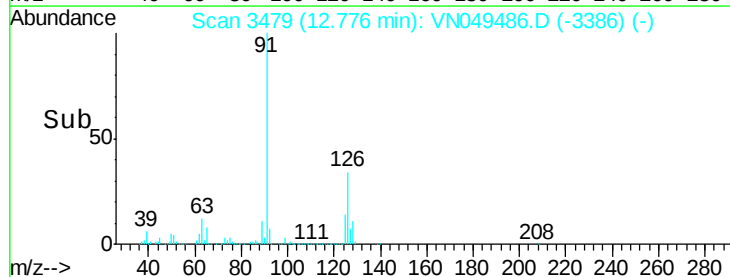
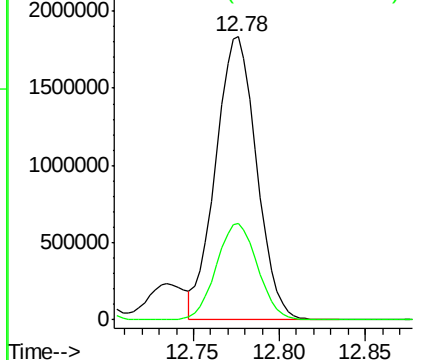
91 100

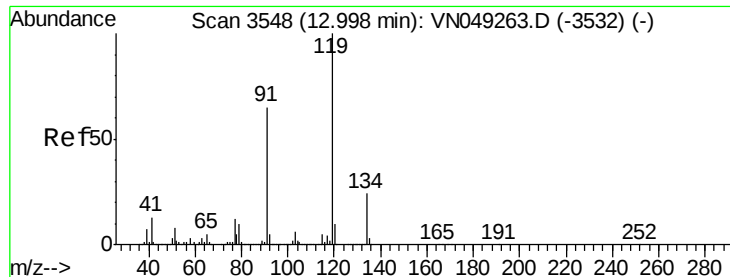
126 34.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049486.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049486.D (-3479) (-)





#83

tert-Butylbenzene

Concen: 52.40 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

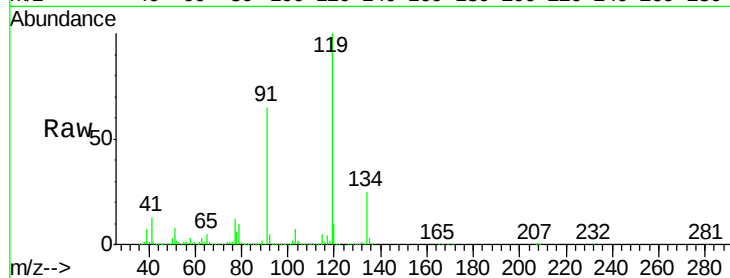
Tot Ion:119 Resp: 3118650

Ion Ratio Lower Upper

119 100

91 63.3 33.7 101.0

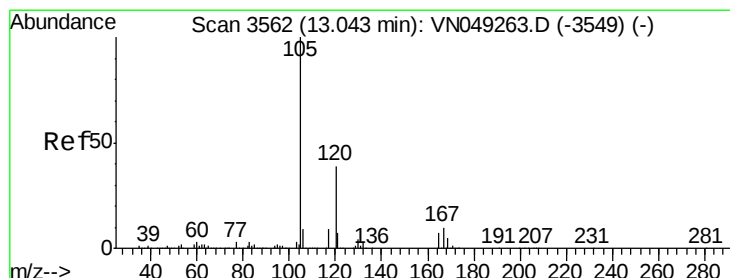
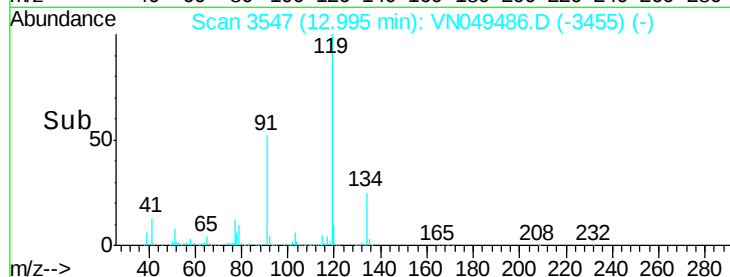
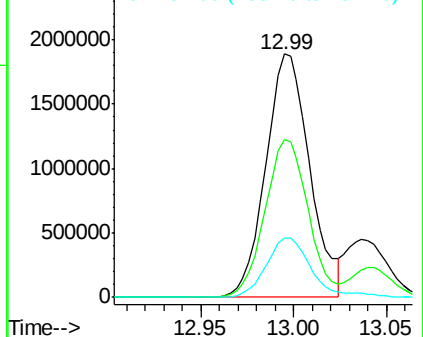
134 25.4 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.56 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049486.D

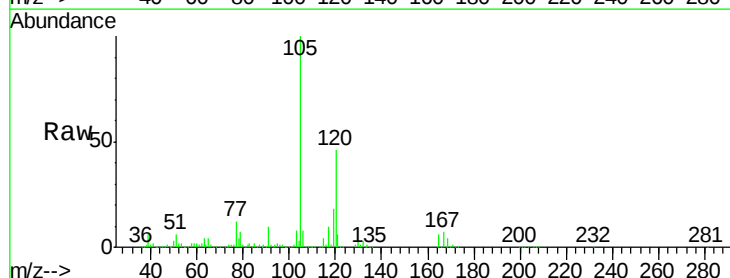
Acq: 22 Jun 2018 12:25

Tgt Ion:105 Resp: 3707962

Ion Ratio Lower Upper

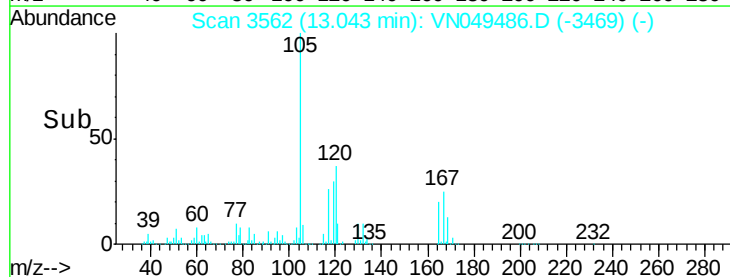
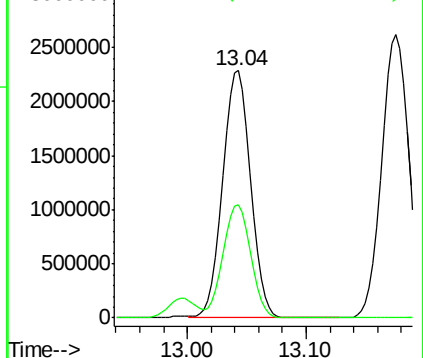
105 100

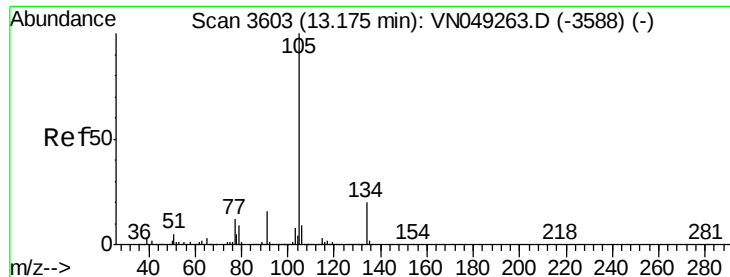
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.71 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

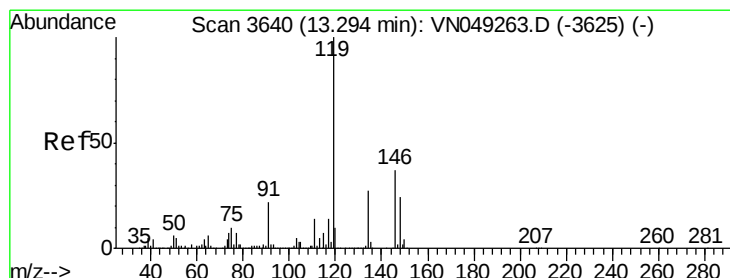
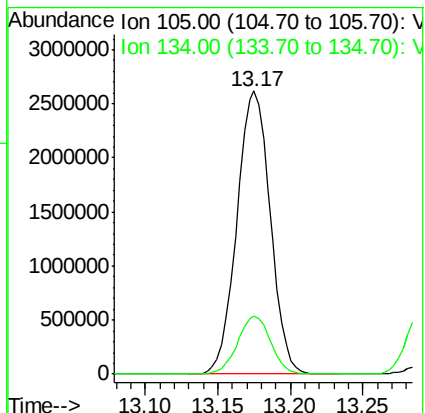
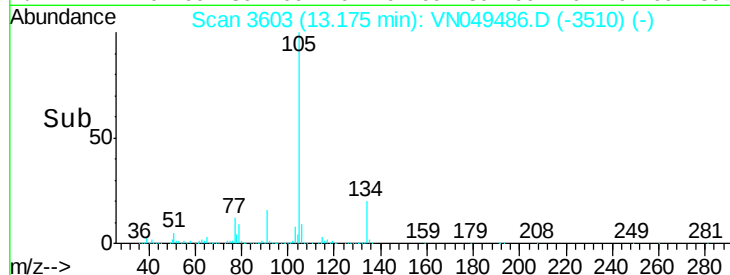
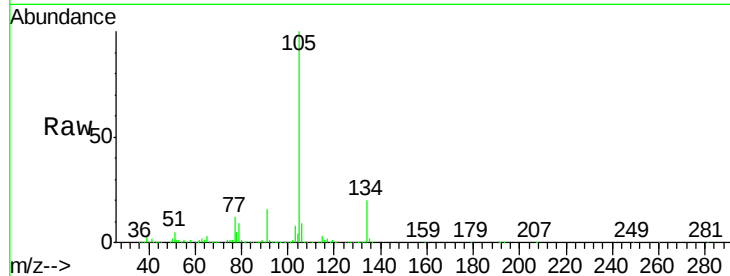
ClientSampleId :

Tot Ion:105 Resp: 4175510

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 54.79 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

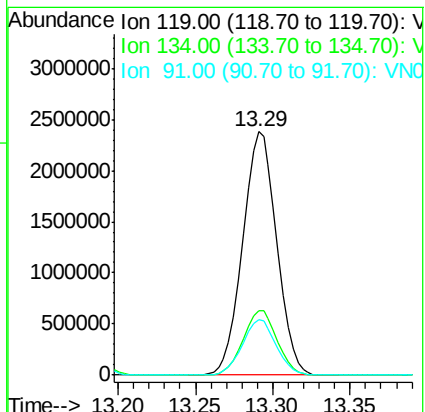
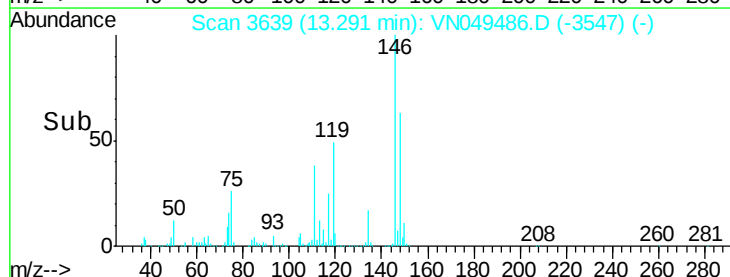
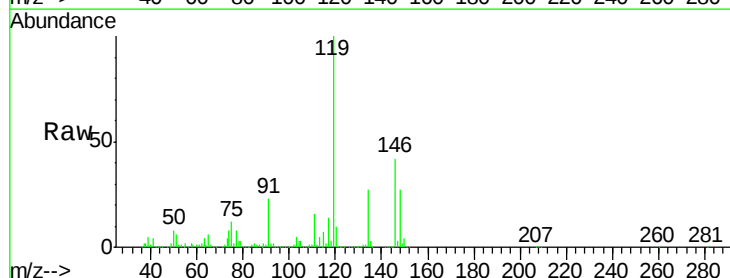
Tgt Ion:119 Resp: 3626382

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.6 12.1 36.3

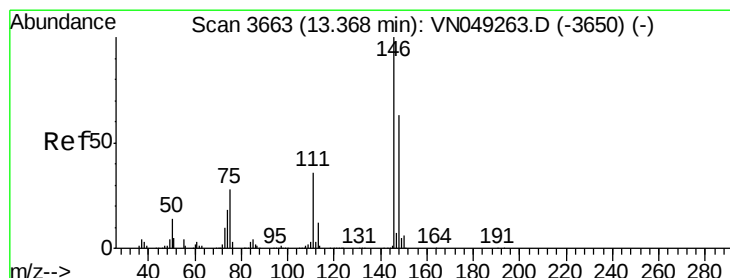
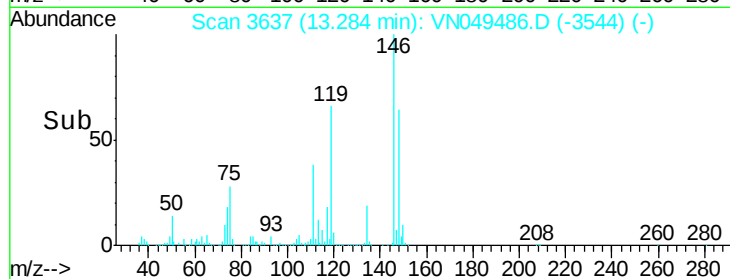
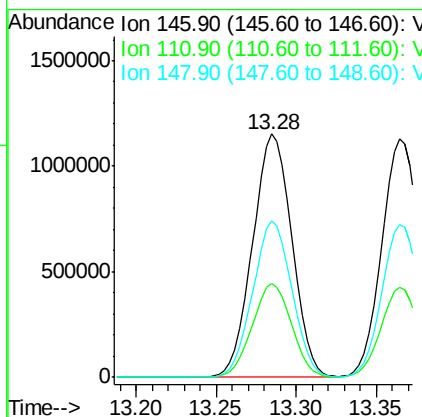
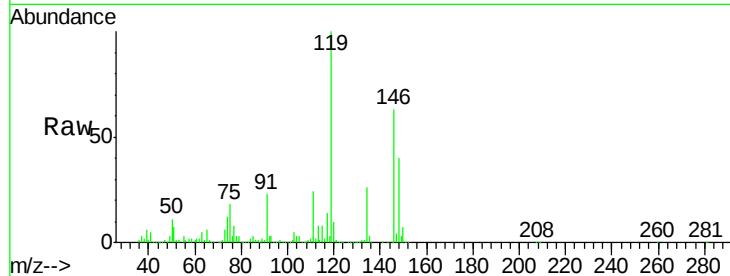




#87
 1,3-Dichlorobenzene
 Concen: 52.47 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

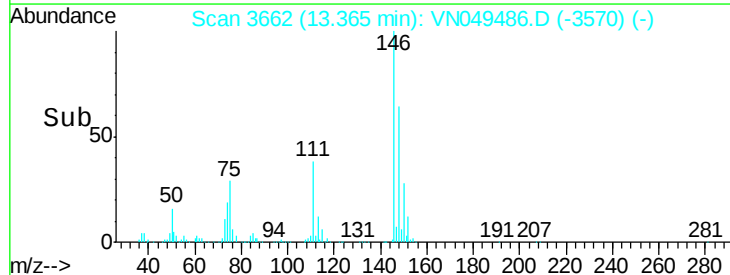
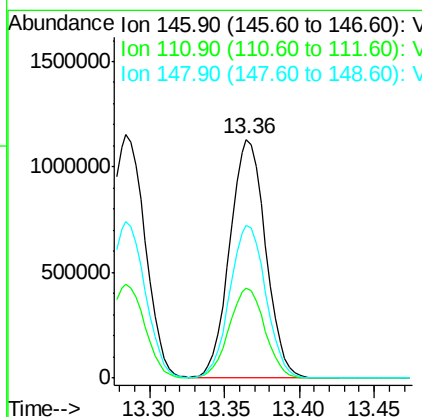
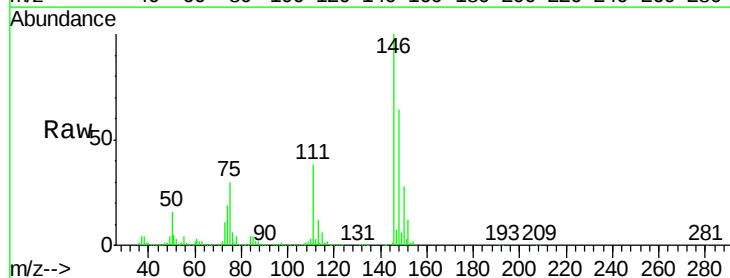
Instrument :
 MSVOA_N
 ClientSampled :

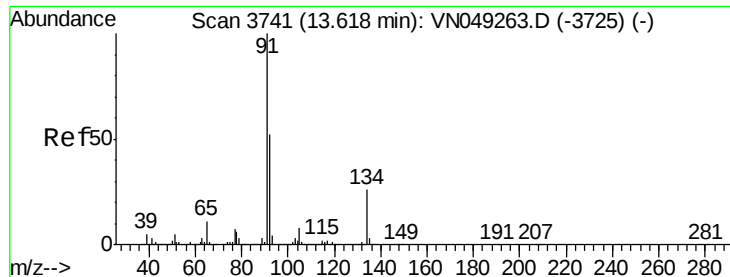
Tot Ion:146 Resp: 1948859
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.9 59.6
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion:146 Resp: 1882038
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.1
 148 64.3 32.0 96.2

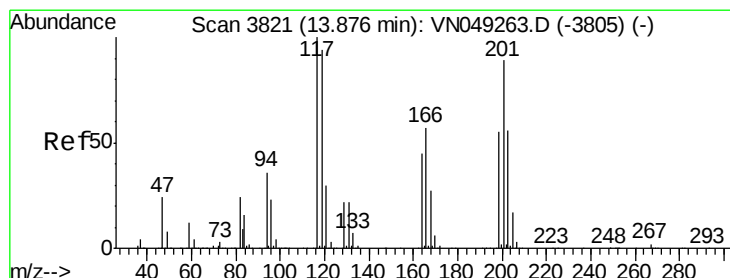
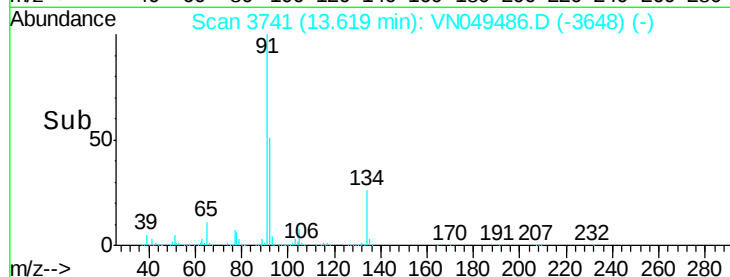
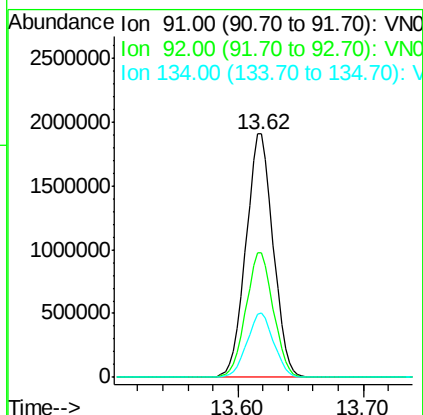
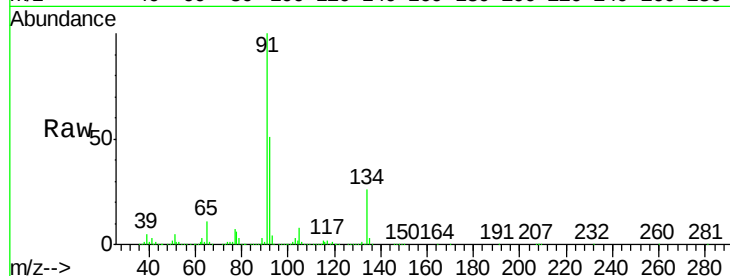




#89
n-Butylbenzene
Concen: 55.76 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

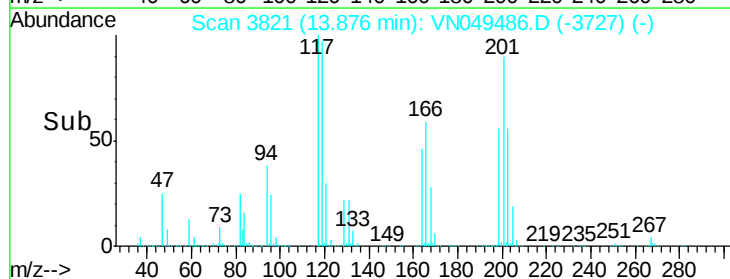
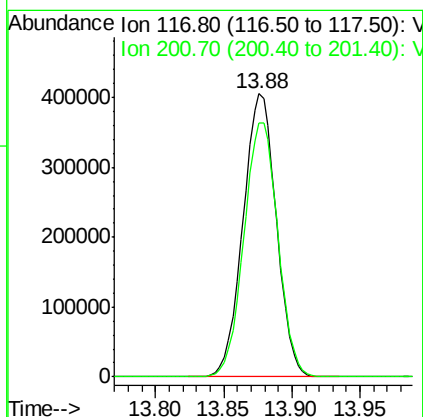
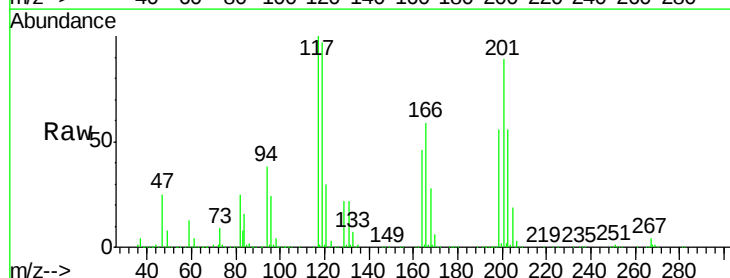
Instrument :
MSVOA_N
ClientSampled :

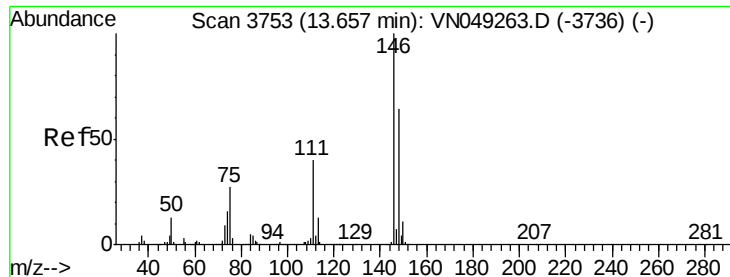
Tot Ion: 91 Resp: 2882608
Ion Ratio Lower Upper
91 100
92 51.4 25.1 75.4
134 25.9 12.0 36.0



#90
Hexachloroethane
Concen: 54.83 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 117 Resp: 684633
Ion Ratio Lower Upper
117 100
201 91.8 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 51.70 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

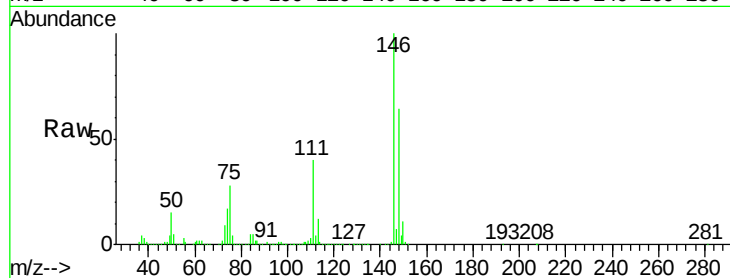
Tot Ion:146 Resp: 1883165

Ion Ratio Lower Upper

146 100

111 39.4 20.8 62.2

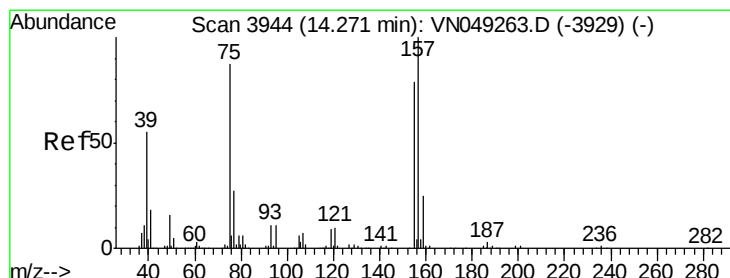
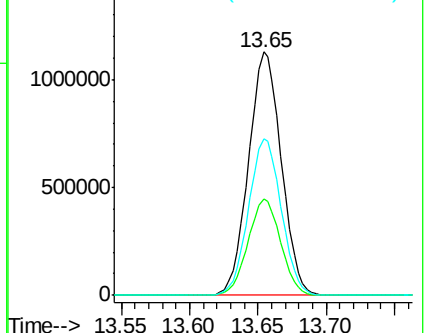
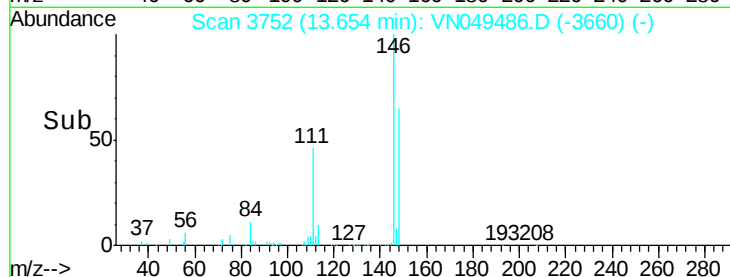
148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.99 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

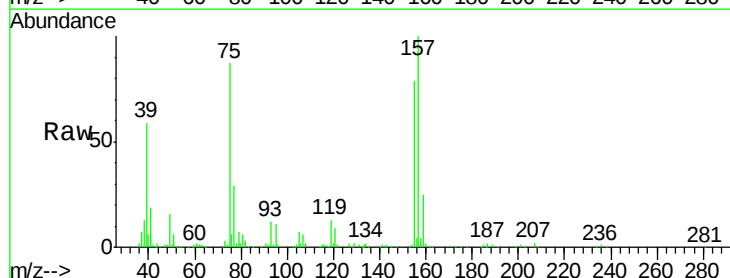
Tgt Ion: 75 Resp: 139816

Ion Ratio Lower Upper

75 100

155 89.6 38.8 116.3

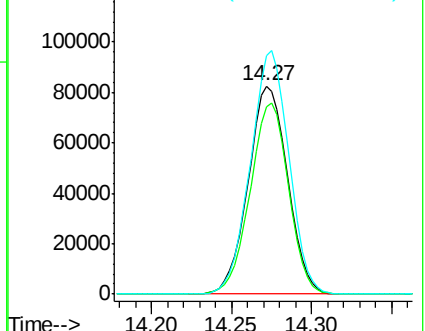
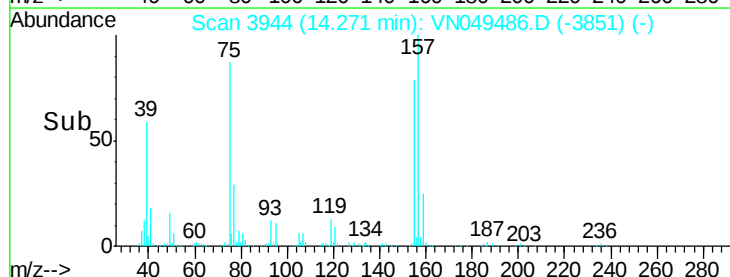
157 114.3 51.0 153.1

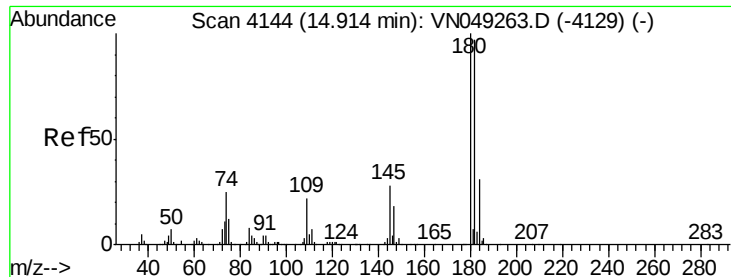


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

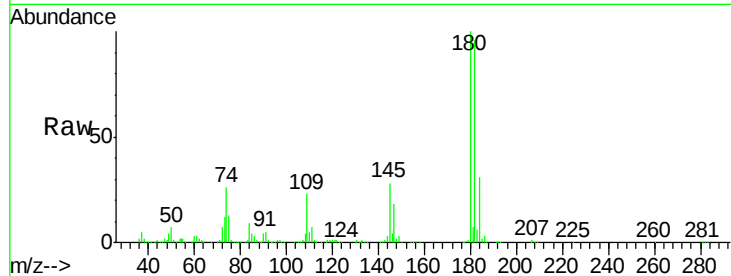




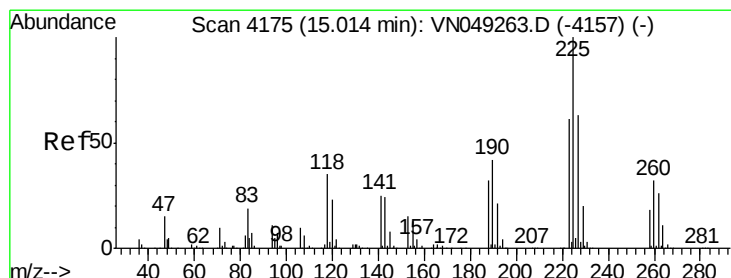
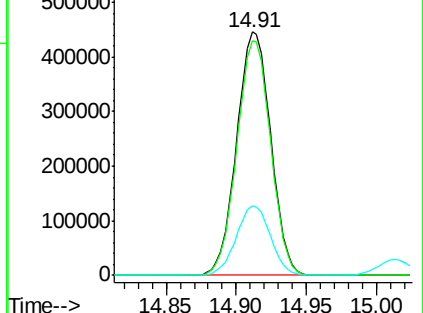
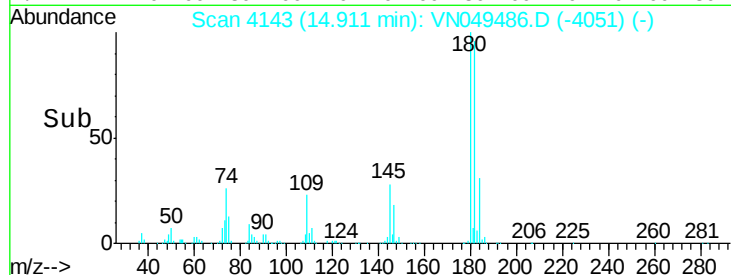
#93
 1,2,4-Trichlorobenzene
 Concen: 45.79 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 757015
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.8
 145 28.6 14.7 44.1

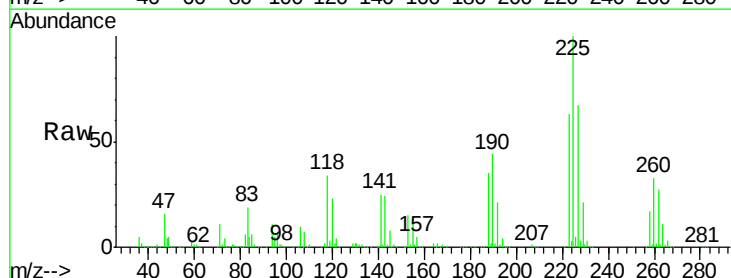


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

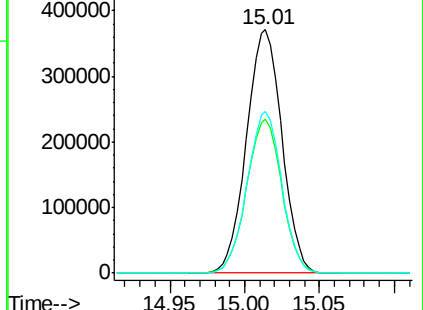
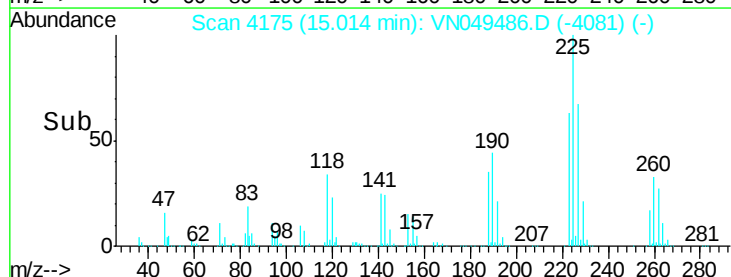


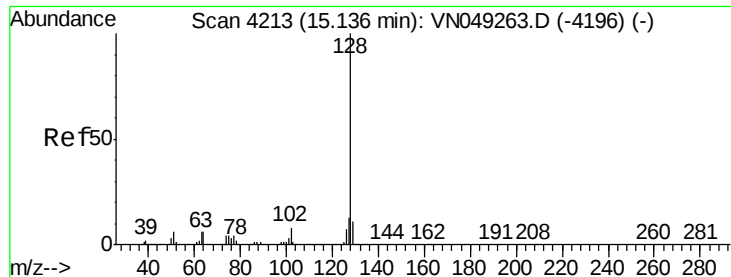
#94
 Hexachlorobutadiene
 Concen: 57.88 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion:225 Resp: 612099
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.1 96.3
 227 64.8 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

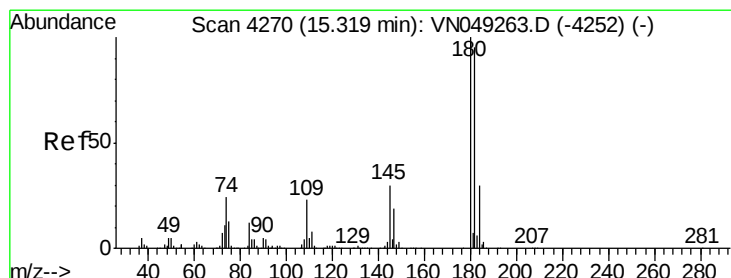
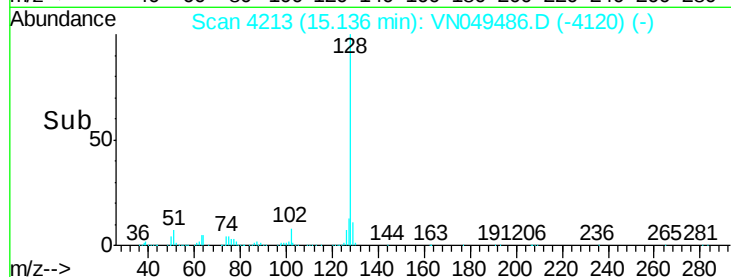
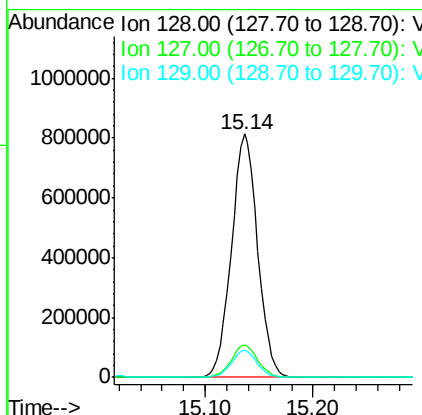
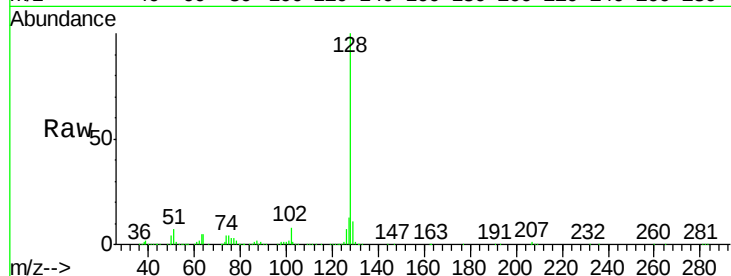




#95
Naphthalene
Concen: 46.81 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1370169
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.48 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:180 Resp: 754242
Ion Ratio Lower Upper
180 100
182 97.5 47.3 141.8
145 30.4 15.6 46.7

