

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049284.D
 Acq On : 16 Jun 2018 2:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 05:03:53 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	1469739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2170574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1978558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1019940	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	980237	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	901085	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	3415815	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	1142570	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	754933	44.63	ug/l	100
3) Chloromethane	2.06	50	953754	43.66	ug/l	97
4) Vinyl Chloride	2.18	62	1053271	45.37	ug/l	99
5) Bromomethane	2.56	94	532563	43.64	ug/l	96
6) Chloroethane	2.70	64	666576	48.15	ug/l	100
7) Trichlorofluoromethane	3.02	101	1369086	47.27	ug/l	100
8) Diethyl Ether	3.41	74	473202	46.80	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	853959	46.49	ug/l	93
10) Methyl Iodide	3.95	142	1045053	54.65	ug/l	92
11) Tert butyl alcohol	4.80	59	236344	206.57	ug/l	99
12) 1,1-Dichloroethene	3.73	96	781817	46.39	ug/l	90
13) Acrolein	3.61	56	271053	225.91	ug/l	100
14) Allyl chloride	4.32	41	1259696	47.34	ug/l	88
15) Acrylonitrile	4.99	53	1348398	235.69	ug/l	98
16) Acetone	3.82	43	899250	189.99	ug/l	93
17) Carbon Disulfide	4.05	76	2336759	44.24	ug/l	100
18) Methyl Acetate	4.33	43	663394	45.97	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2086377	48.56	ug/l	99
20) Methylene Chloride	4.55	84	910481	46.06	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	842534	47.22	ug/l	95
22) Diisopropyl ether	5.96	45	2675813	50.36	ug/l	96
23) Vinyl Acetate	5.90	43	8631293	249.17	ug/l	95
24) 1,1-Dichloroethane	5.85	63	1628070	47.87	ug/l	98
25) 2-Butanone	6.84	43	1390133	218.73	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1133217	41.26	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	973245	49.07	ug/l	90
28) Bromochloromethane	7.20	49	748746	49.66	ug/l	85
29) Tetrahydrofuran	7.22	42	948164	231.77	ug/l	94
30) Chloroform	7.37	83	1638128	48.40	ug/l	99
31) Cyclohexane	7.65	56	1414273	49.05	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1412193	48.90	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1257397	50.54	ug/l	98
37) Ethyl Acetate	6.93	43	663483	49.06	ug/l	96
38) Carbon Tetrachloride	7.77	117	1264928	49.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1286101	48.16	ug/l	97
40) Benzene	8.04	78	3733488	48.95	ug/l	99
41) Methacrylonitrile	7.18	41	336086	45.97	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1159379	49.20	ug/l	96
43) Isopropyl Acetate	8.17	43	1280094	49.54	ug/l	97
44) Trichloroethene	8.84	130	984949	48.90	ug/l	93
45) 1,2-Dichloropropane	9.12	63	999507	50.05	ug/l	100
46) Dibromomethane	9.21	93	565732	48.86	ug/l	92
47) Bromodichloromethane	9.40	83	1266420	49.77	ug/l	98
48) Methyl methacrylate	9.20	41	608167	49.98	ug/l	87
49) 1,4-Dioxane	9.20	88	155230	924.30	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3302023	243.82	ug/l	95
52) Toluene	10.16	92	2313189	51.68	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1183348	48.61	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1411757	49.12	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	806490	48.33	ug/l	97
56) Ethyl methacrylate	10.43	69	963501	50.05	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1373362	49.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1523663	223.02	ug/l	94
59) 2-Hexanone	10.75	43	2070872	237.18	ug/l	94
60) Dibromochloromethane	10.90	129	926381	49.74	ug/l	100
61) 1,2-Dibromoethane	11.01	107	757432	48.83	ug/l	100
64) Tetrachloroethene	10.63	164	993111	48.98	ug/l	99
65) Chlorobenzene	11.44	112	2491308	48.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	942818	49.15	ug/l	98
67) Ethyl Benzene	11.51	91	4335082	51.28	ug/l	98
68) m/p-Xylenes	11.62	106	3348182	105.53	ug/l	97
69) o-Xylene	11.95	106	1612357	52.76	ug/l	95
70) Styrene	11.97	104	2623642	54.42	ug/l	97
71) Bromoform	12.13	173	613353	49.40	ug/l #	99
73) Isopropylbenzene	12.25	105	4299791	48.01	ug/l	98
74) N-amyl acetate	12.07	43	1001929	45.68	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	934646	50.77	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1142630	65.66	ug/l #	100
77) Bromobenzene	12.53	156	1049344	44.36	ug/l	91
78) n-propylbenzene	12.59	91	4857555	49.40	ug/l	98
79) 2-Chlorotoluene	12.68	91	2939712	47.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3515252	49.94	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	233175	42.35	ug/l	92
82) 4-Chlorotoluene	12.77	91	2900205	48.25	ug/l	97
83) tert-Butylbenzene	12.99	119	2971492	47.65	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3530120	50.48	ug/l	98
85) sec-Butylbenzene	13.17	105	3982467	47.98	ug/l	99
86) p-Isopropyltoluene	13.29	119	3415810	49.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1850158	47.54	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1779838	46.15	ug/l	100
89) n-Butylbenzene	13.62	91	2641139	48.76	ug/l	98
90) Hexachloroethane	13.88	117	672744	51.31	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	1805527	47.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129762	41.62	ug/l	86

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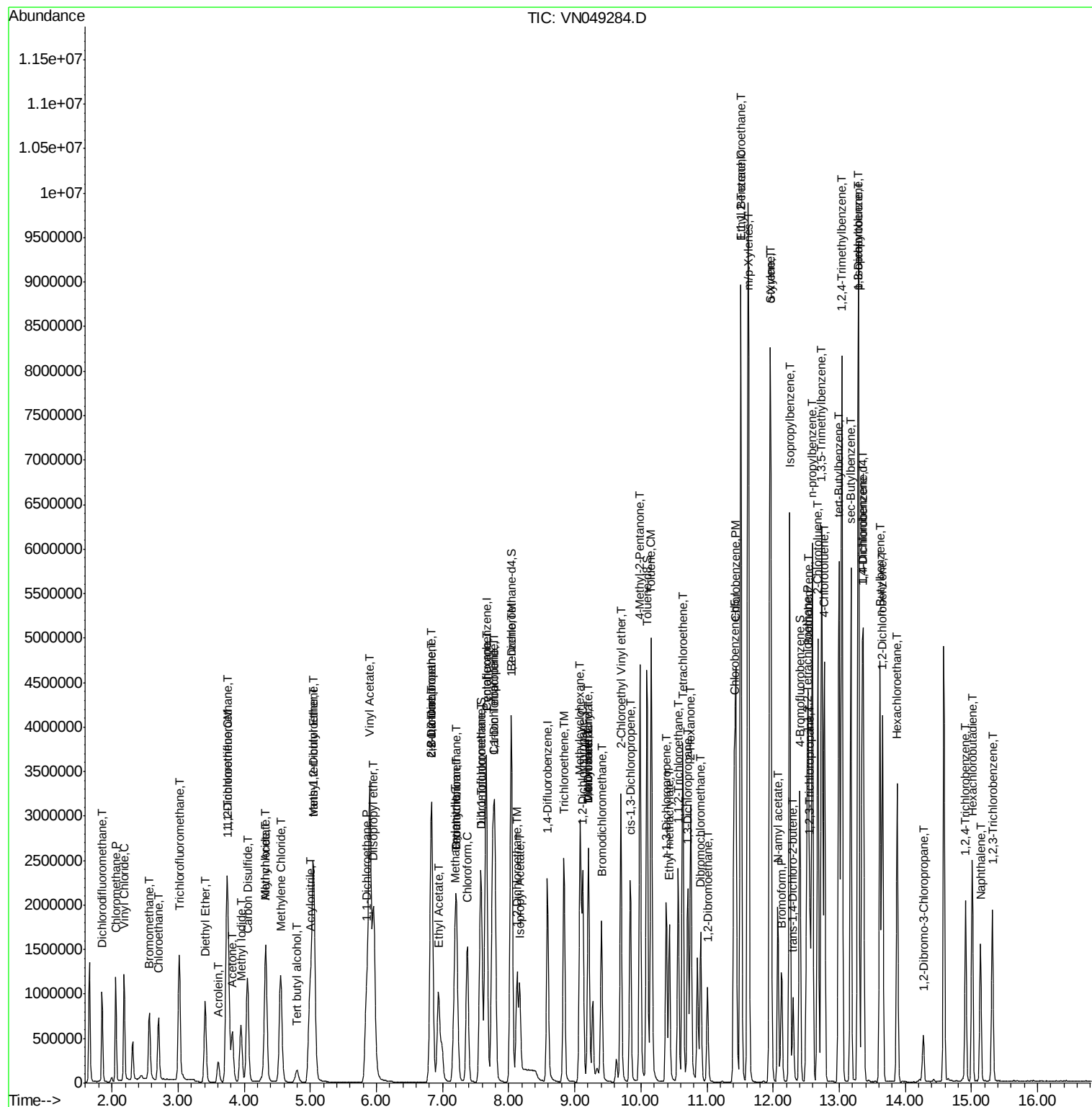
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	698245	40.87	ug/l	99
94) Hexachlorobutadiene	15.01	225	540030	48.28	ug/l	98
95) Naphthalene	15.14	128	1322128	43.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	719480	42.62	ug/l	99

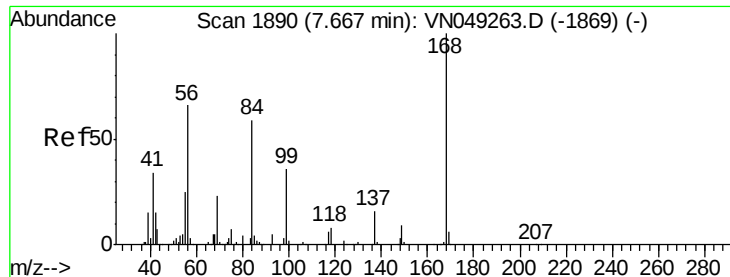
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

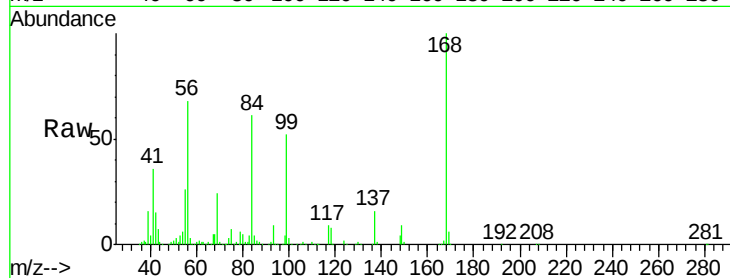
ClientSampled :

Tot Ion:168 Resp: 1469739

Ion Ratio Lower Upper

168 100

99 51.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

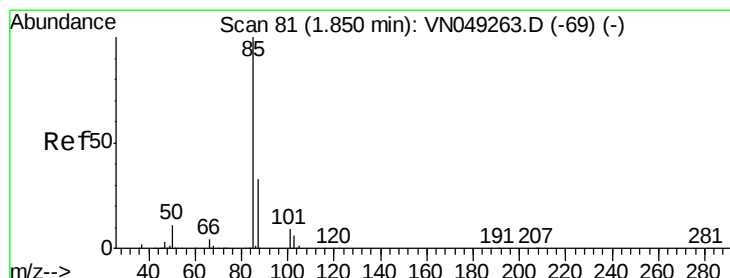
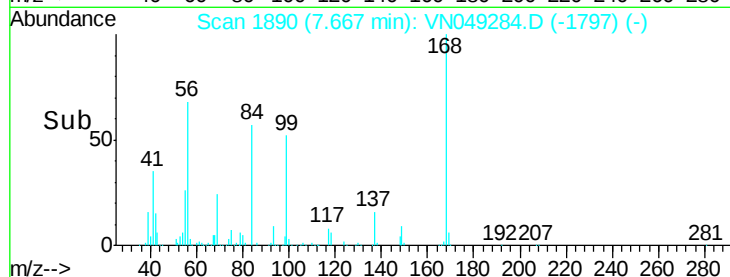
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 44.63 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049284.D

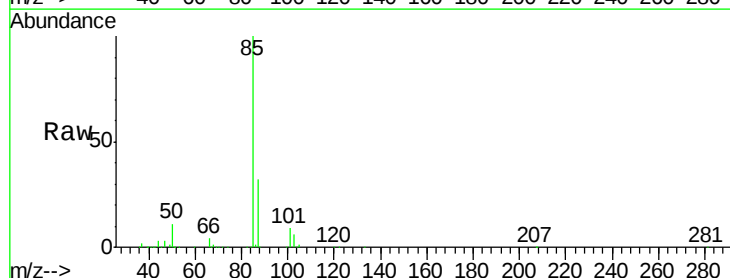
Acq: 16 Jun 2018 2:34

Tgt Ion: 85 Resp: 754933

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

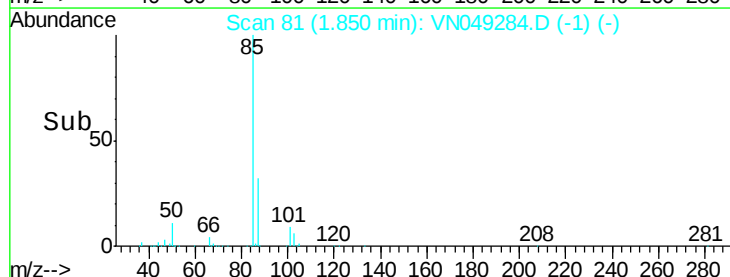
600000

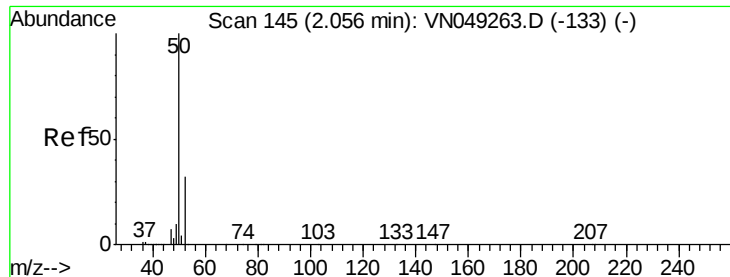
400000

200000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 43.66 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

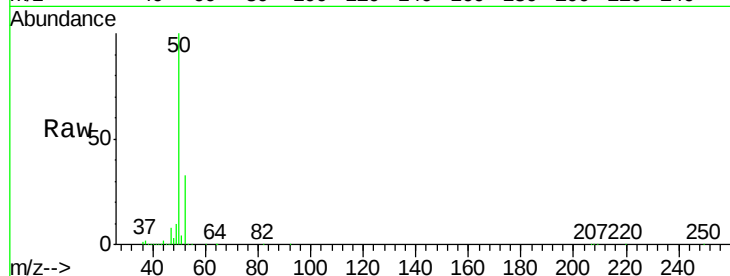
ClientSampled :

Tot Ion: 50 Resp: 953754

Ion Ratio Lower Upper

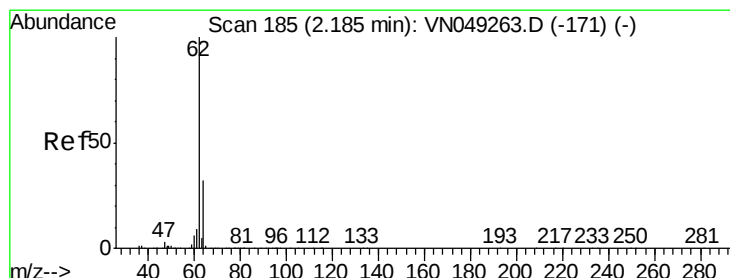
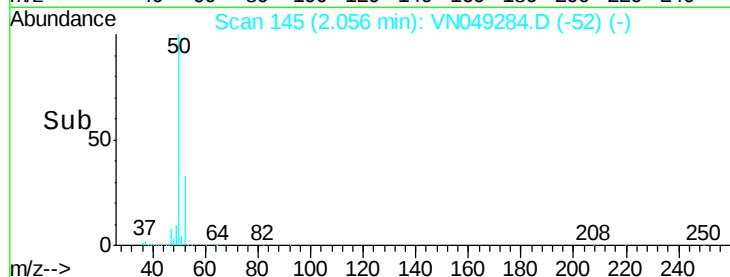
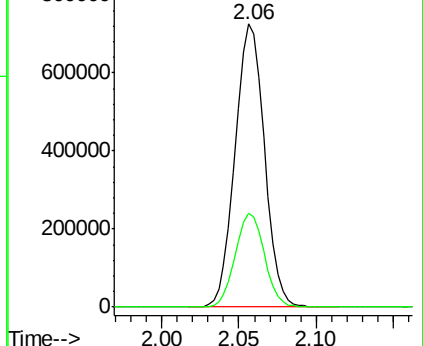
50 100

52 33.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049284.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049284.D (-52) (-)



#4

Vinyl Chloride

Concen: 45.37 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049284.D

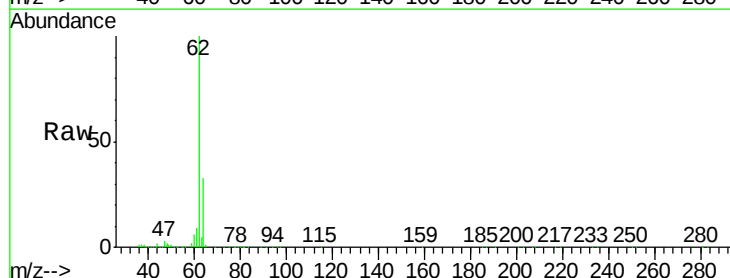
Acq: 16 Jun 2018 2:34

Tgt Ion: 62 Resp: 1053271

Ion Ratio Lower Upper

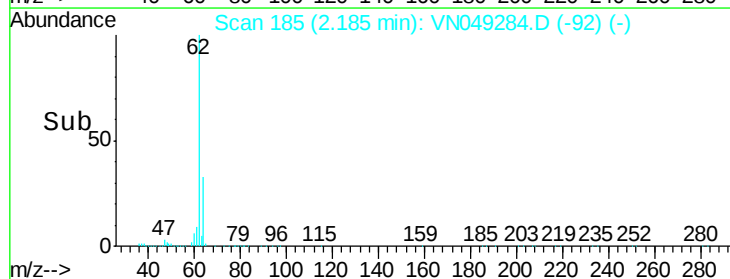
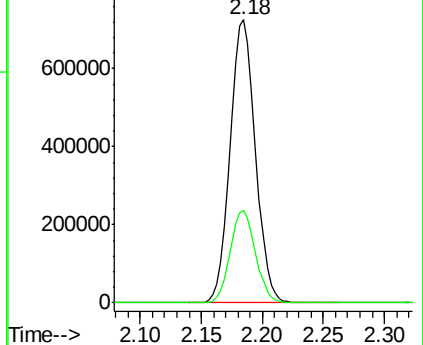
62 100

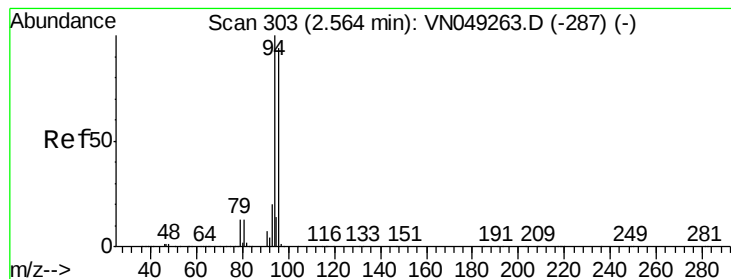
64 32.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049284.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049284.D (-92) (-)





#5

Bromomethane

Concen: 43.64 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

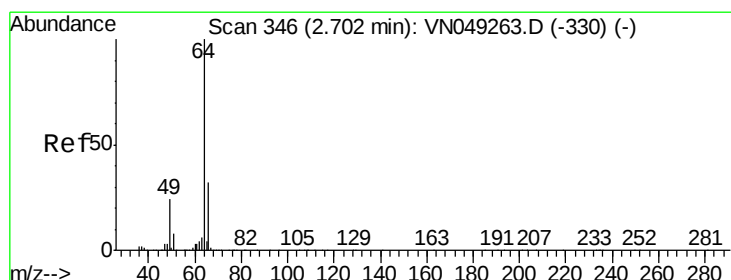
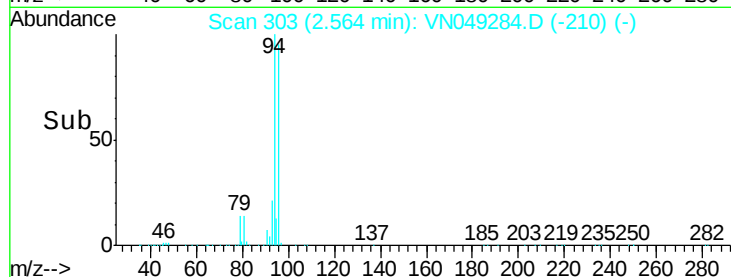
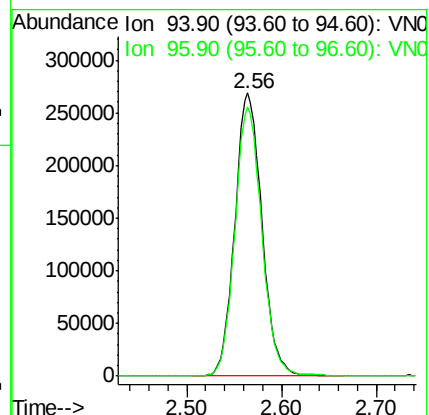
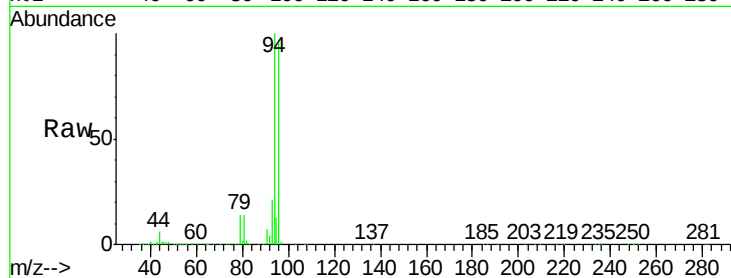
ClientSampled :

Tot Ion: 94 Resp: 532563

Ion Ratio Lower Upper

94 100

96 95.3 72.8 109.2



#6

Chloroethane

Concen: 48.15 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049284.D

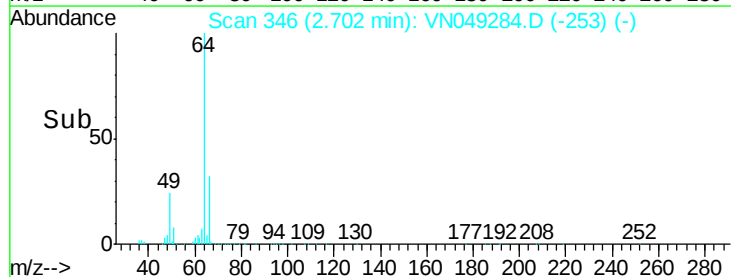
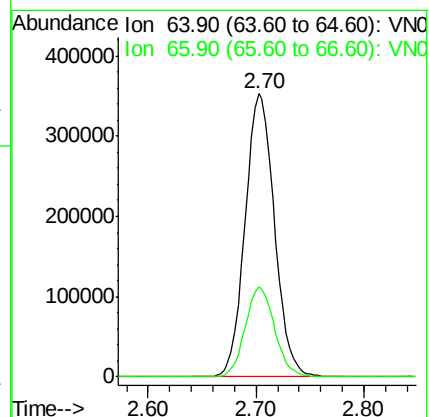
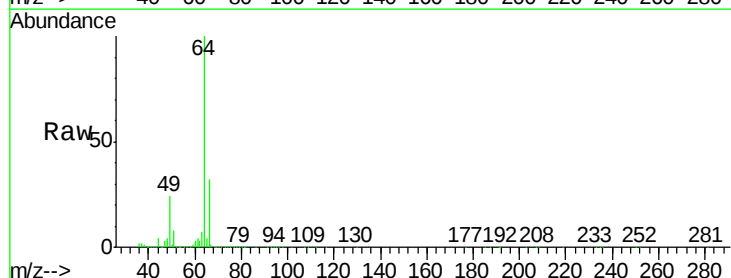
Acq: 16 Jun 2018 2:34

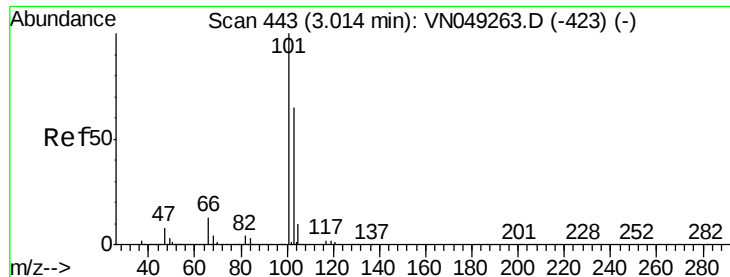
Tgt Ion: 64 Resp: 666576

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4



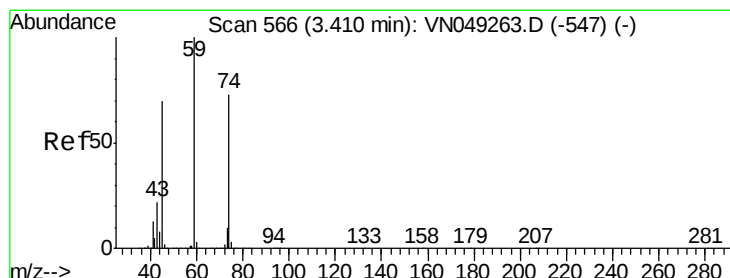
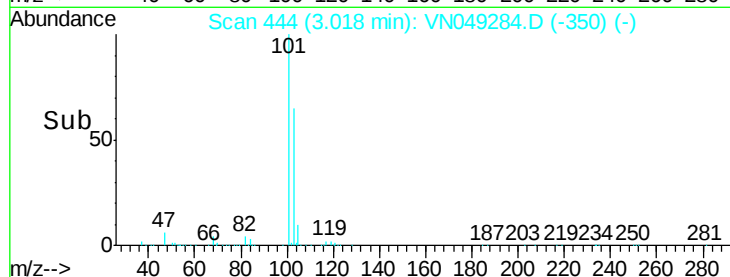
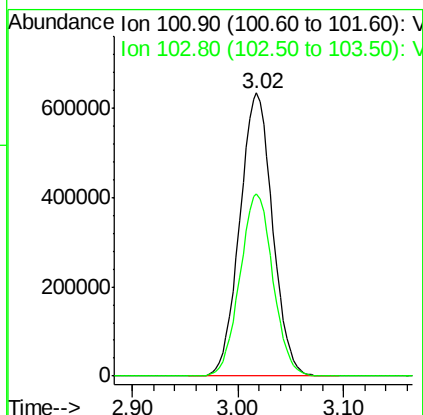
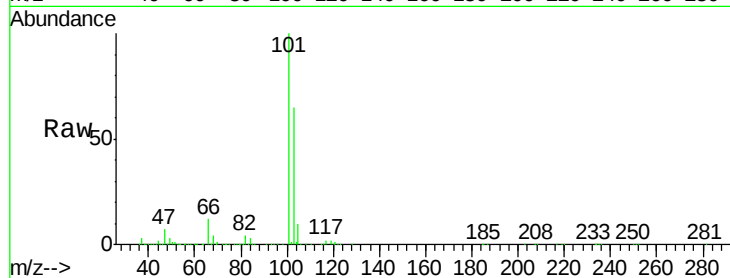


#7

Trichlorofluoromethane
 Concen: 47.27 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :

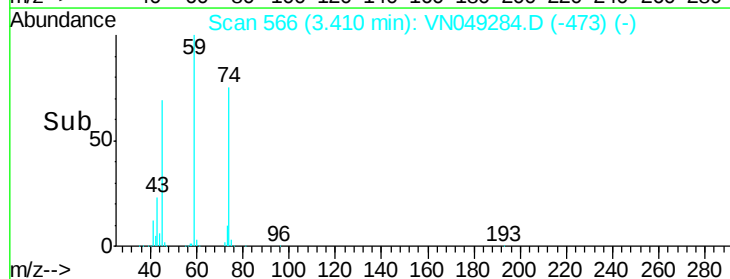
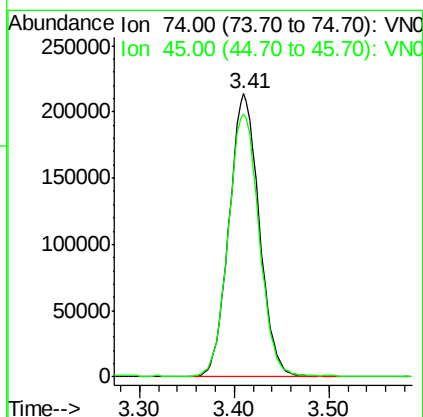
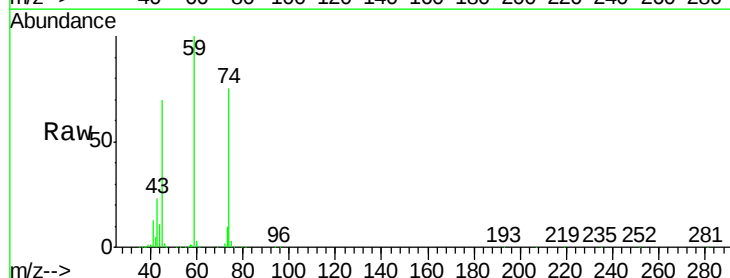
Tot Ion:101 Resp: 1369086
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.7 77.5

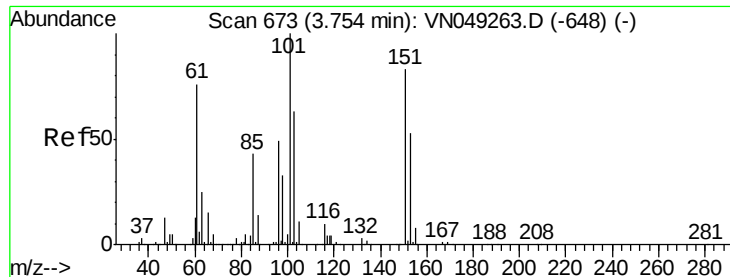


#8

Diethyl Ether
 Concen: 46.80 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 74 Resp: 473202
 Ion Ratio Lower Upper
 74 100
 45 94.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.49 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

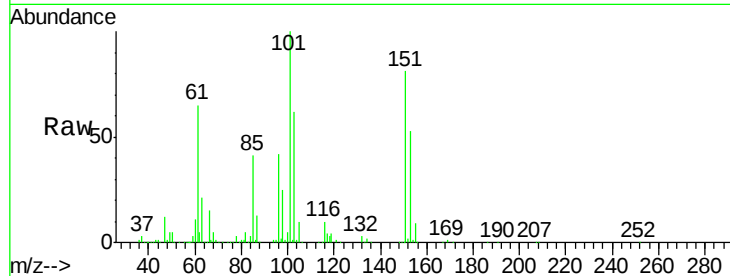
Tot Ion:101 Resp: 853959

Ion Ratio Lower Upper

101 100

85 42.2 37.6 56.4

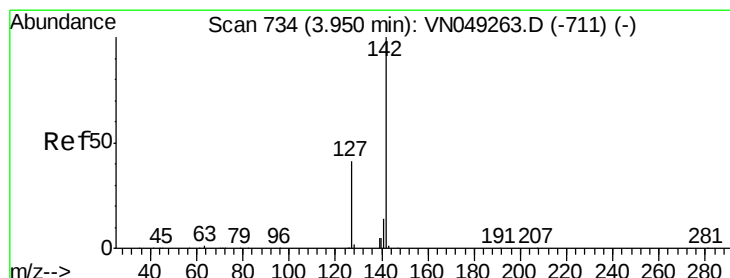
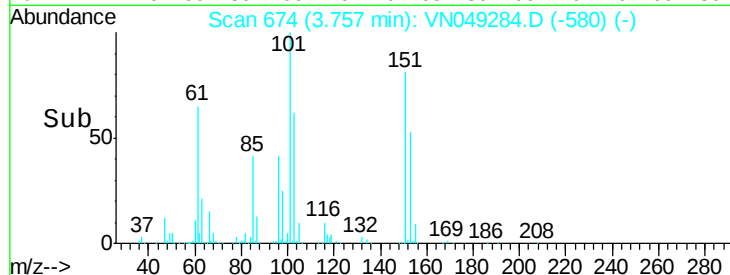
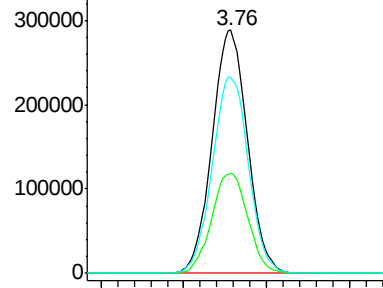
151 82.8 61.1 91.7



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: 54.65 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

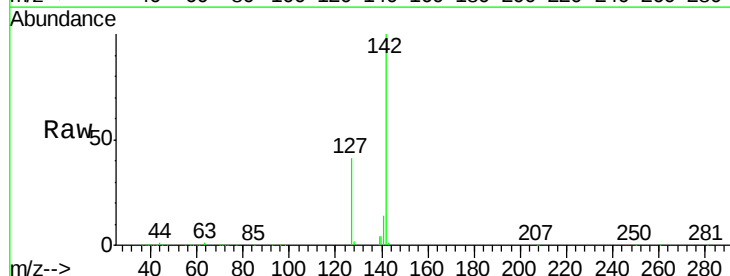
Tgt Ion:142 Resp: 1045053

Ion Ratio Lower Upper

142 100

127 41.3 38.2 57.4

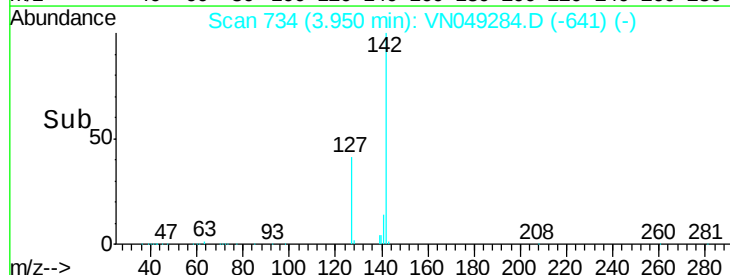
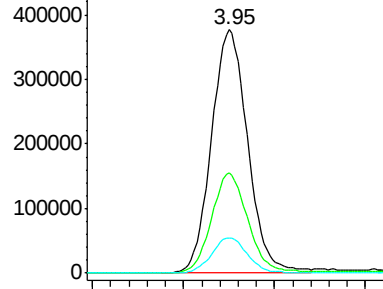
141 14.4 11.9 17.9

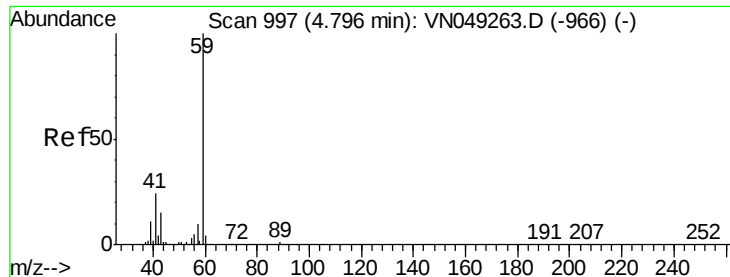


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

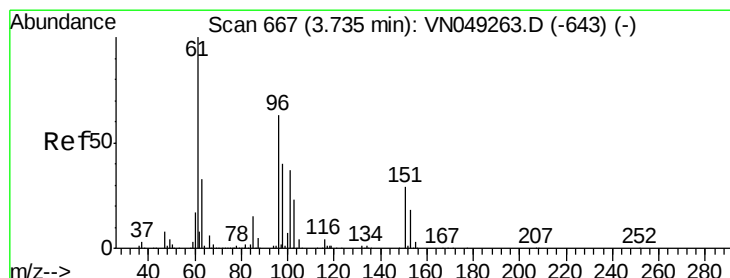
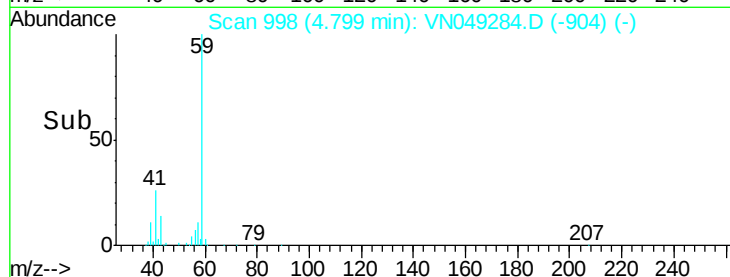
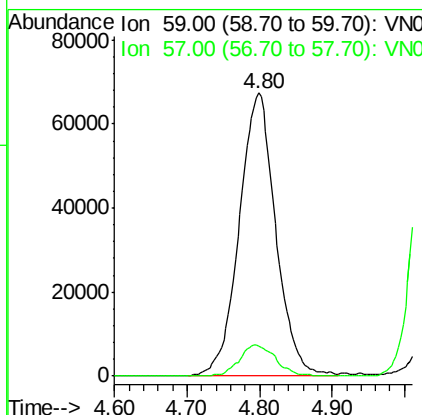
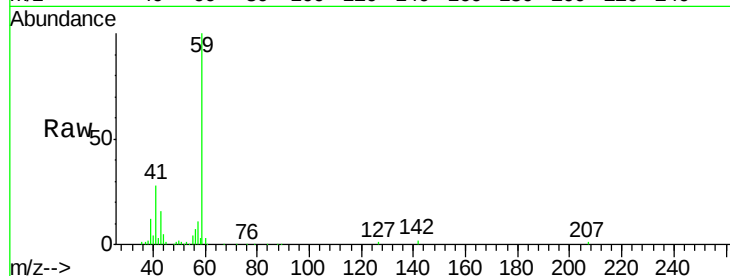




#11
Tert butyl alcohol
Concen: 206.57 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

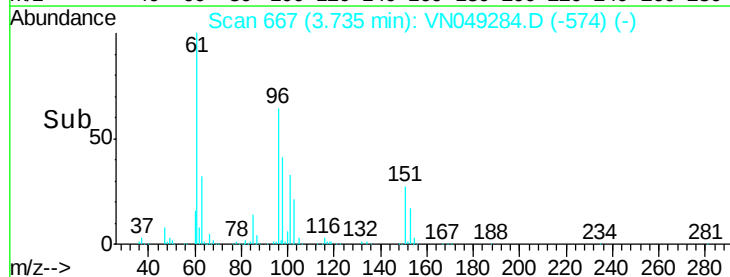
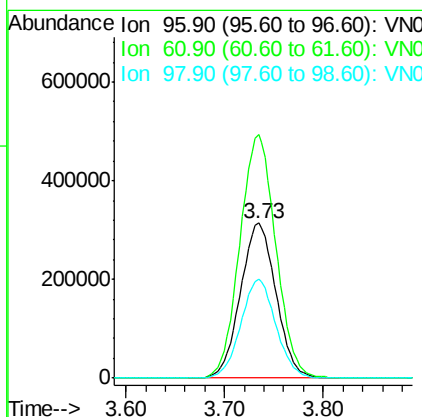
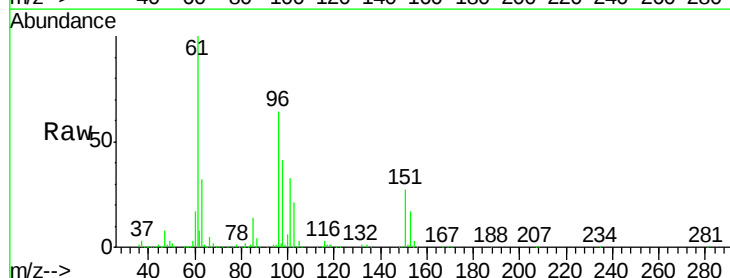
Instrument :
MSVOA_N
ClientSampled :

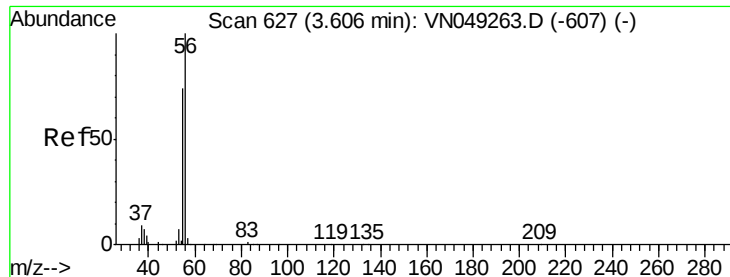
Tot Ion: 59 Resp: 236344
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.6



#12
1,1-Dichloroethene
Concen: 46.39 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 96 Resp: 781817
Ion Ratio Lower Upper
96 100
61 157.2 141.0 211.4
98 63.9 50.4 75.6





#13

Acrolein

Concen: 225.91 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

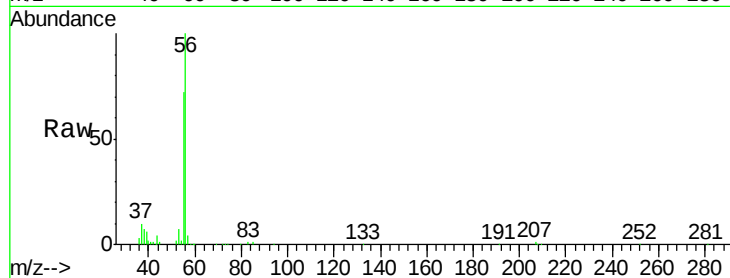
ClientSampleId :

Tot Ion: 56 Resp: 271053

Ion Ratio Lower Upper

56 100

55 71.1 57.1 85.7

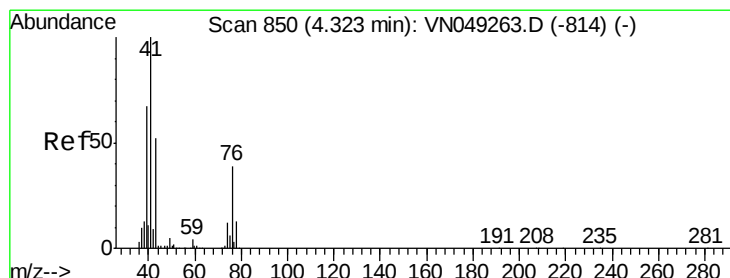
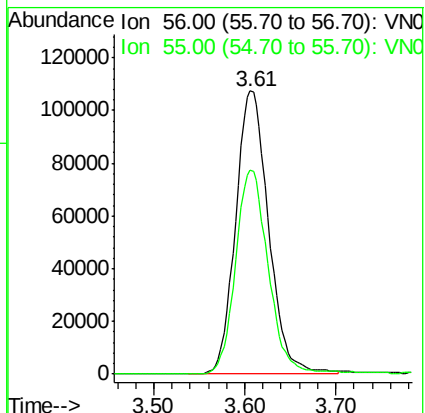
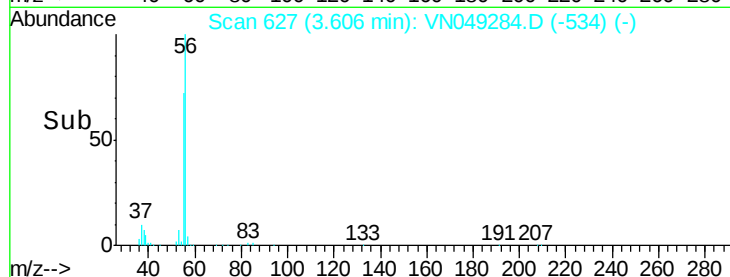


Abundance Ion 56.00 (55.70 to 56.70): VN049284.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049284.D (-534) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 47.34 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

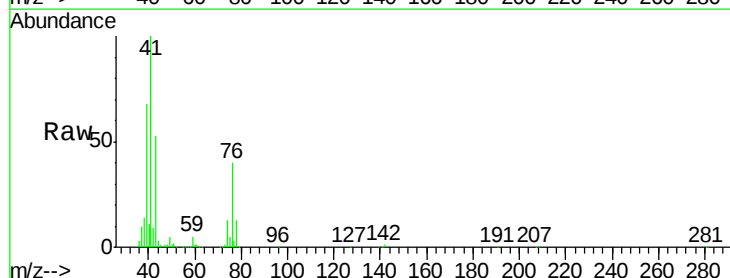
Tgt Ion: 41 Resp: 1259696

Ion Ratio Lower Upper

41 100

39 65.2 62.5 93.7

76 37.2 27.1 40.7



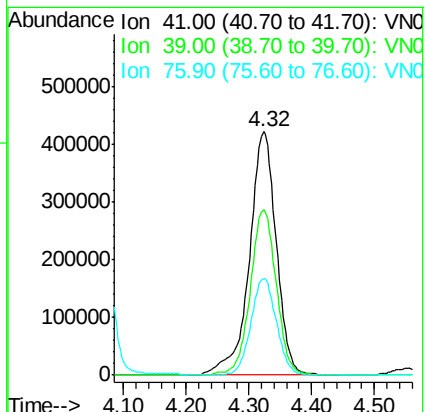
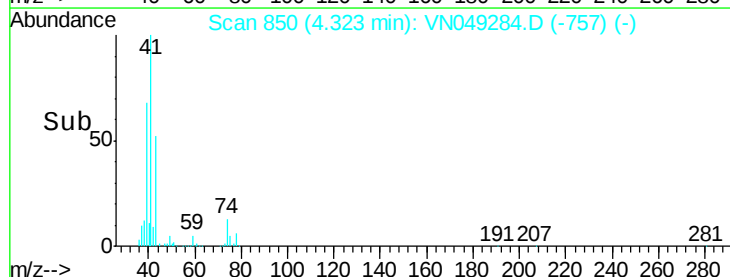
Abundance Ion 41.00 (40.70 to 41.70): VN049284.D (-757) (-)

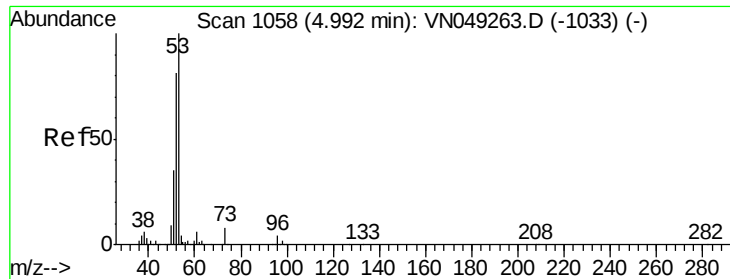
Ion 39.00 (38.70 to 39.70): VN049284.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049284.D (-757) (-)

4.32

Time-->

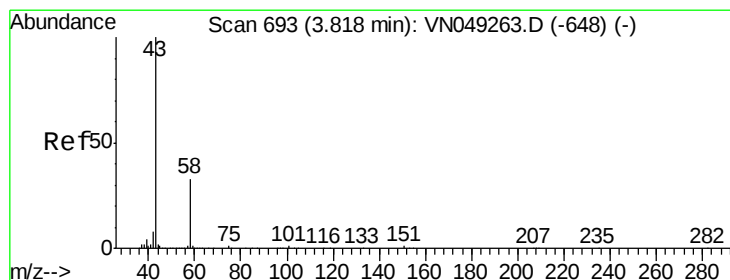
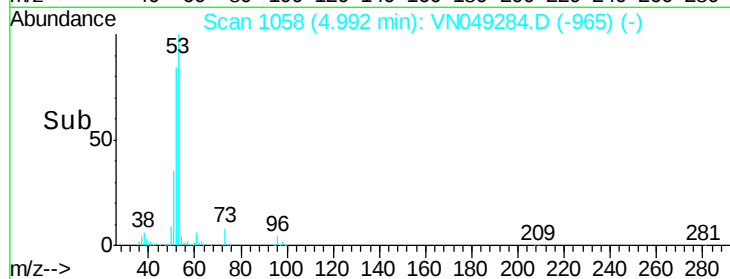
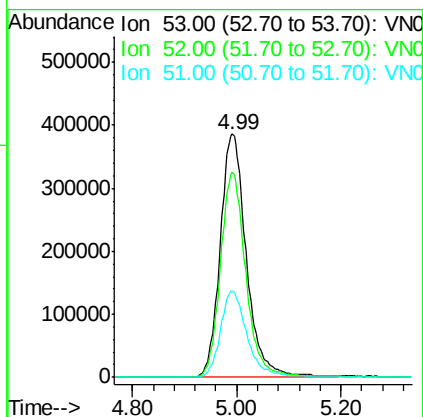
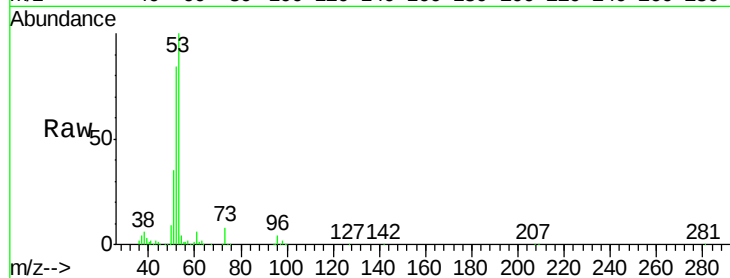




#15
 Acrylonitrile
 Concen: 235.69 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

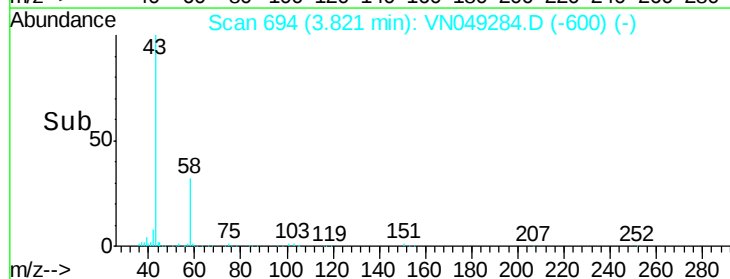
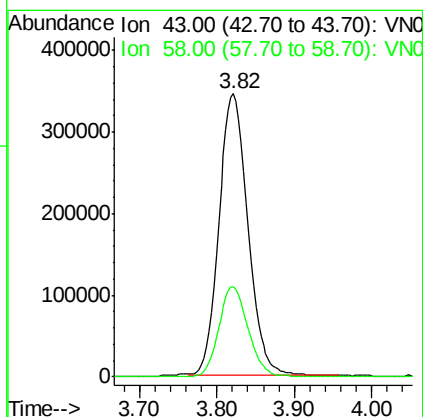
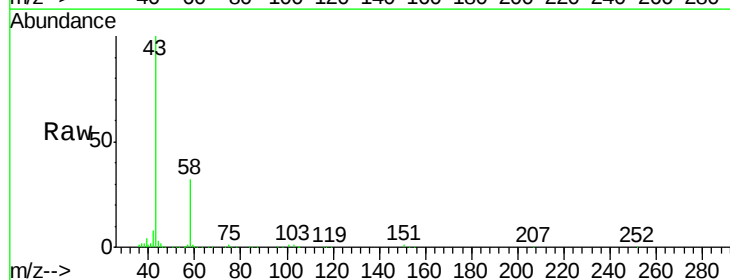
Instrument :
 MSVOA_N
 ClientSampled :

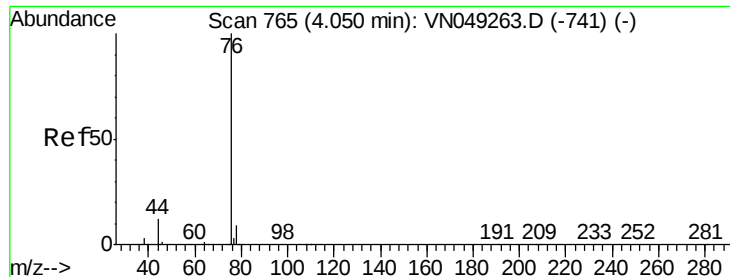
Tot Ion: 53 Resp: 1348398
 Ion Ratio Lower Upper
 53 100
 52 81.4 66.6 100.0
 51 35.9 29.8 44.8



#16
 Acetone
 Concen: 189.99 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 43 Resp: 899250
 Ion Ratio Lower Upper
 43 100
 58 31.9 22.4 33.6

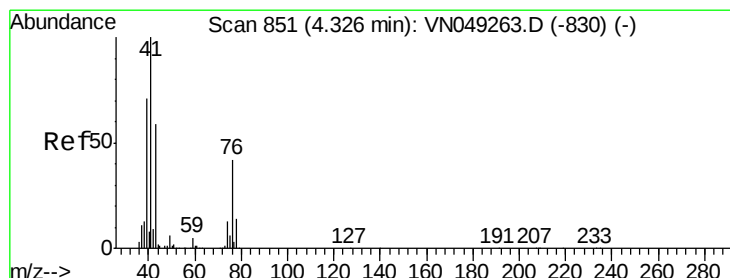
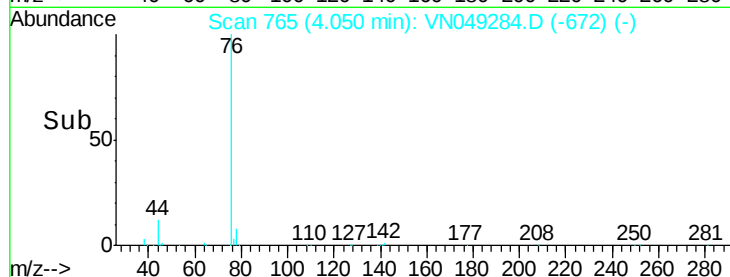
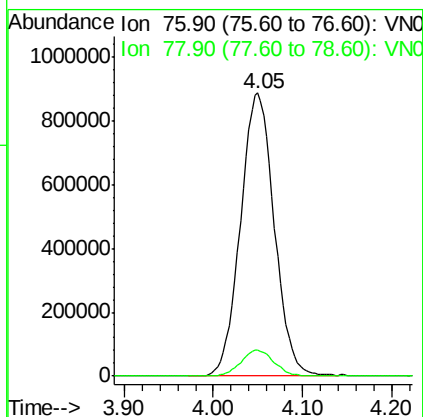
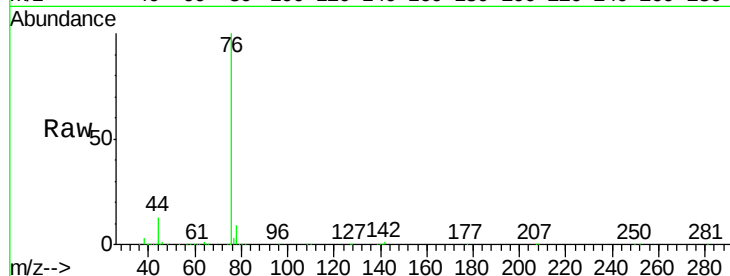




#17
Carbon Disulfide
Concen: 44.24 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

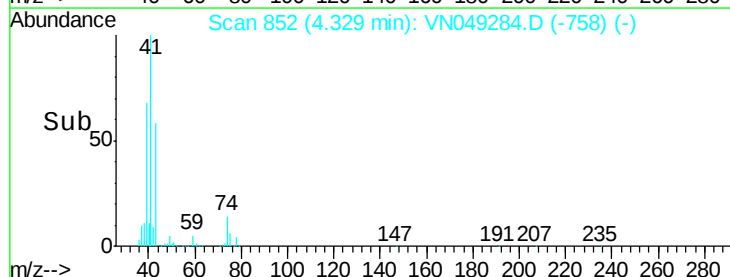
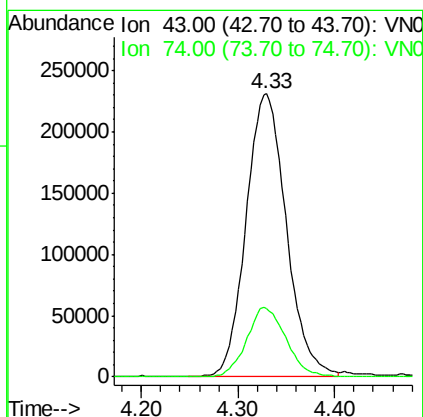
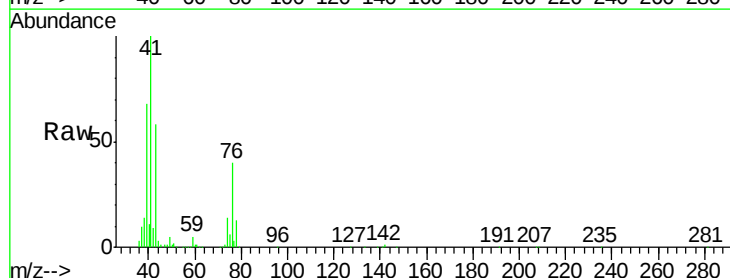
Instrument :
MSVOA_N
ClientSampled :

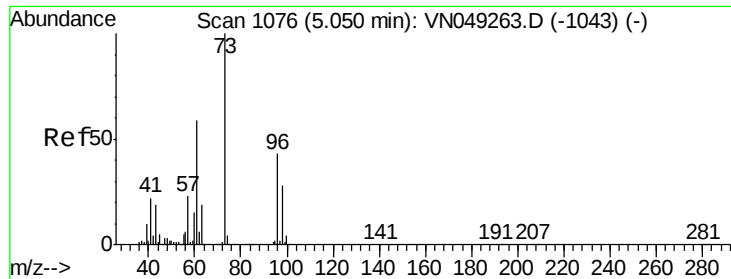
Tot Ion: 76 Resp: 2336759
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 45.97 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 43 Resp: 663394
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0

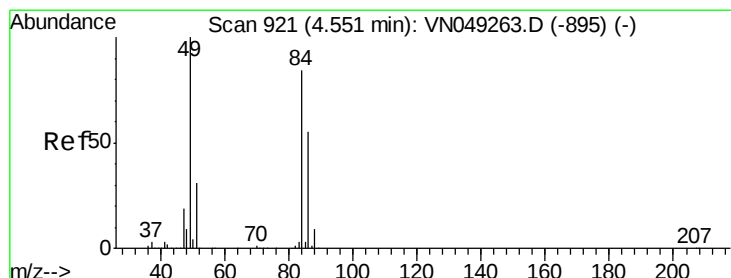
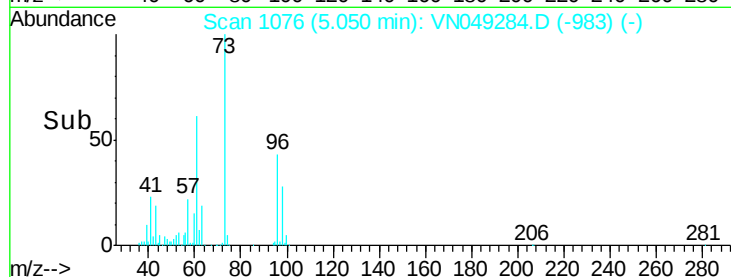
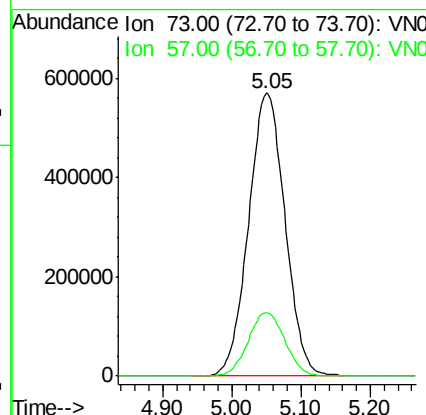
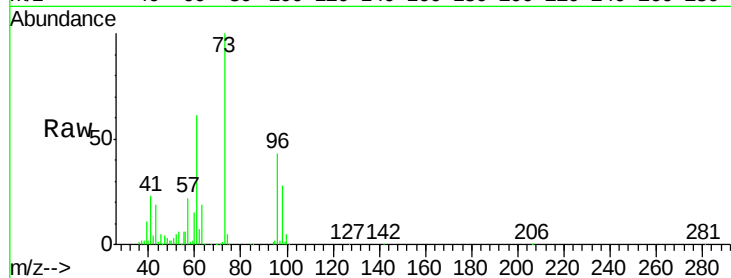




#19
Methvl tert-butvl Ether
Concen: 48.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

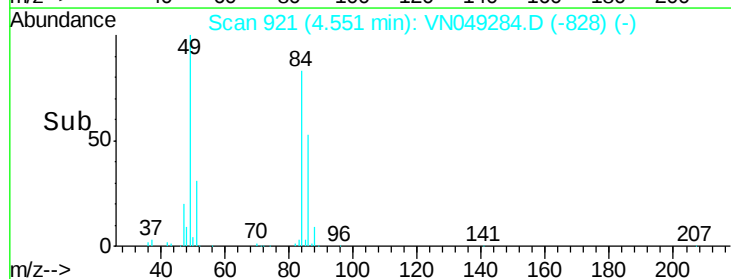
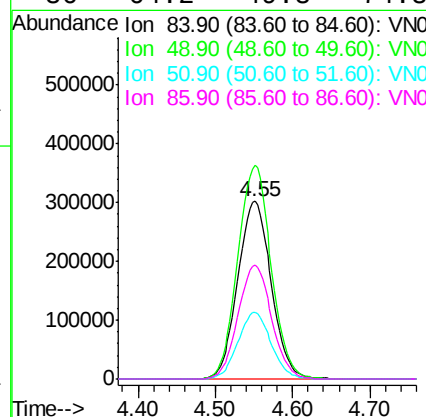
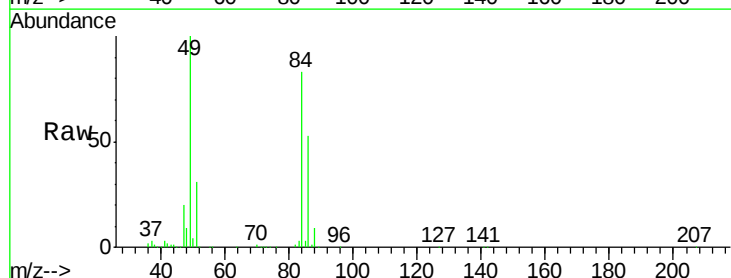
Instrument :
MSVOA_N
ClientSampleId :

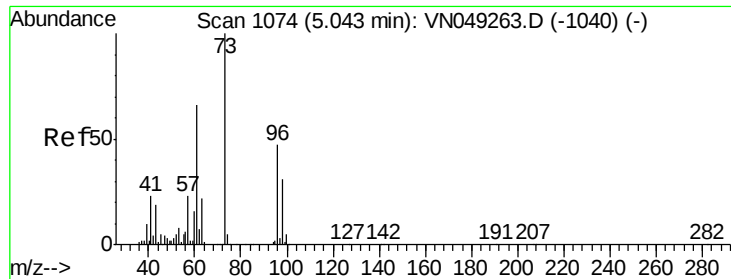
Tot Ion: 73 Resp: 2086377
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4



#20
Methylene Chloride
Concen: 46.06 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 84 Resp: 910481
Ion Ratio Lower Upper
84 100
49 120.1 106.9 160.3
51 37.7 32.7 49.1
86 64.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.22 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

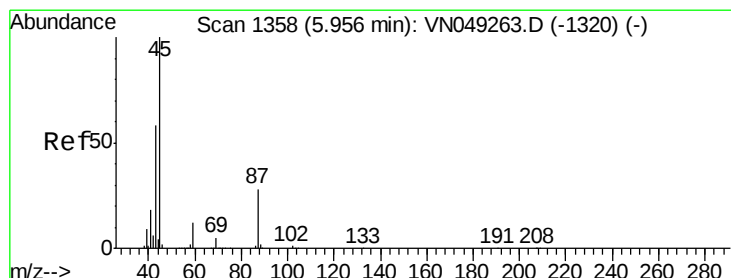
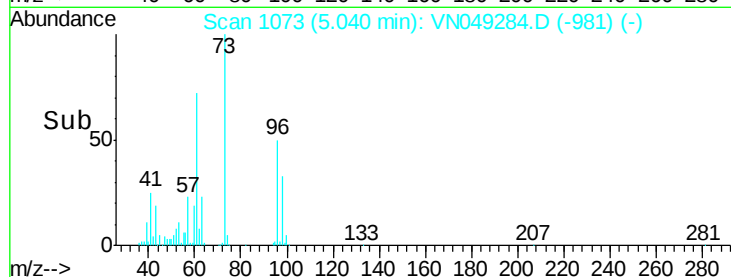
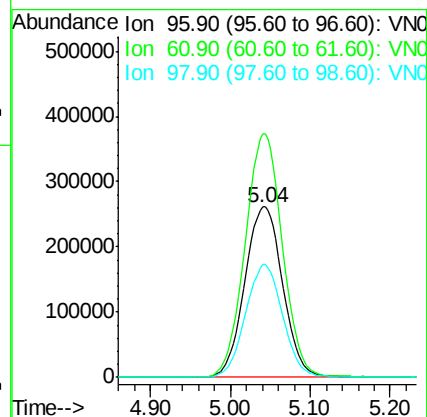
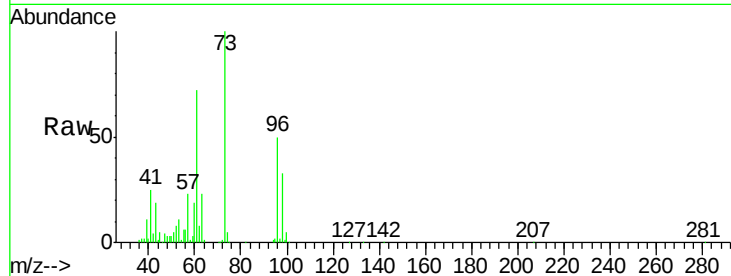
Tot Ion: 96 Resp: 842534

Ion Ratio Lower Upper

96 100

61 142.7 121.3 181.9

98 66.5 52.0 78.0



#22

Diisopropyl ether

Concen: 50.36 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 45 Resp: 2675813

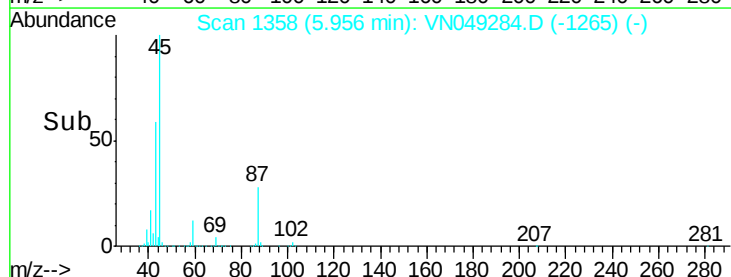
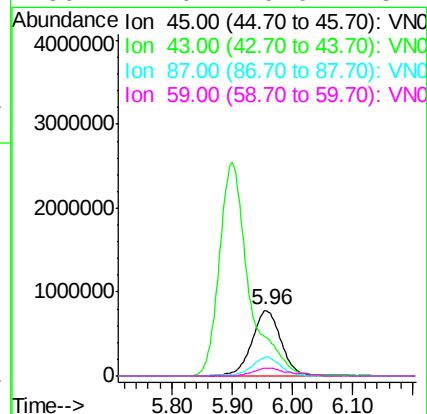
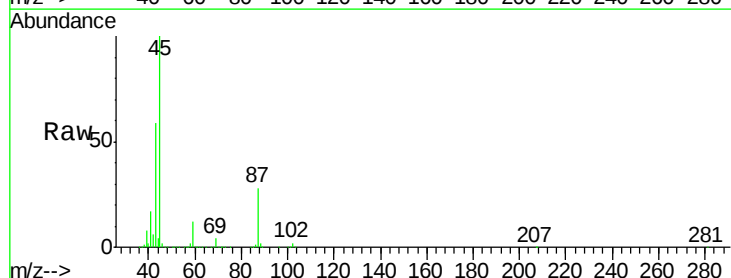
Ion Ratio Lower Upper

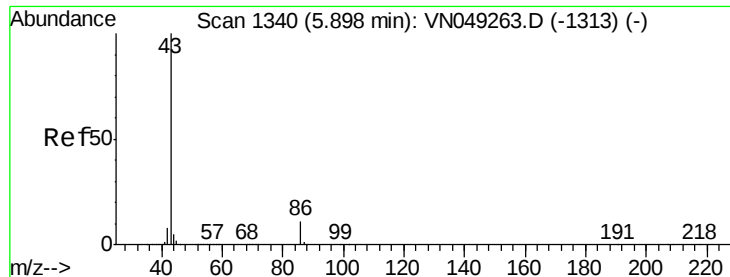
45 100

43 58.0 48.6 72.8

87 28.2 20.2 30.2

59 12.0 9.0 13.4

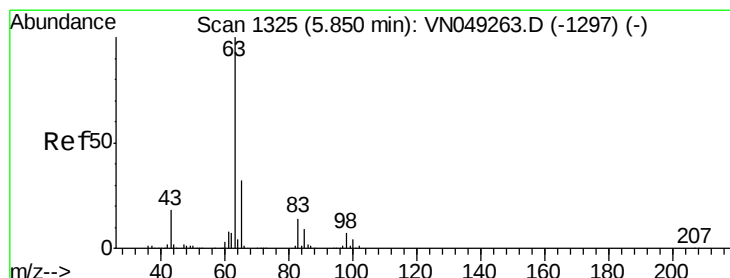
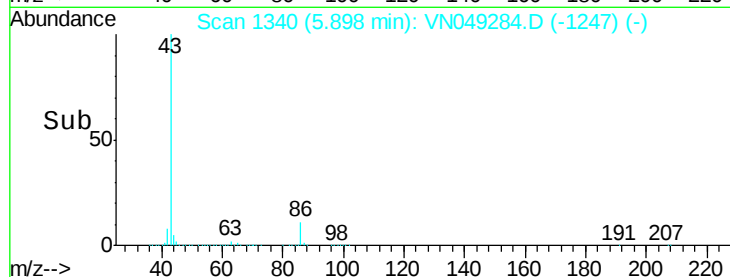
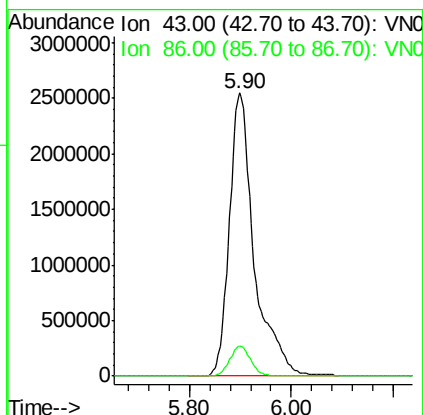
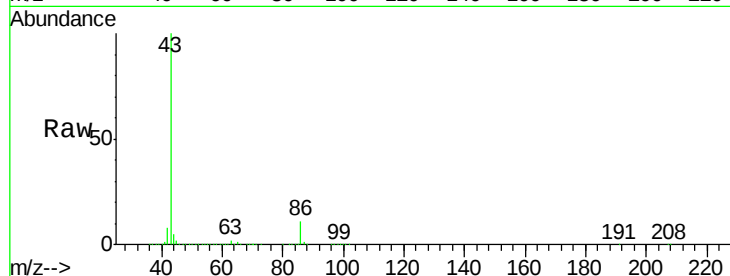




#23
 Vinyl Acetate
 Concen: 249.17 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

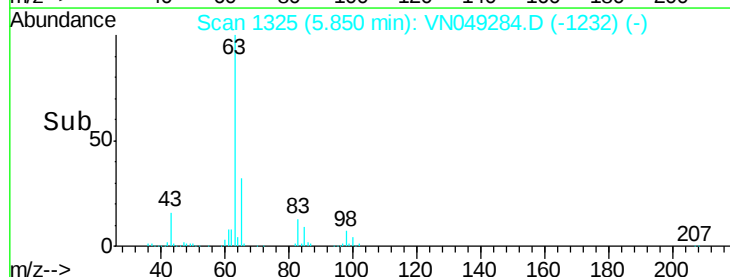
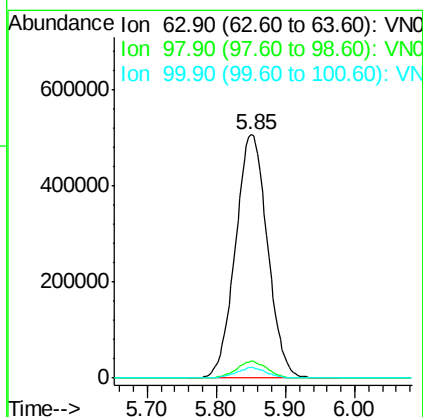
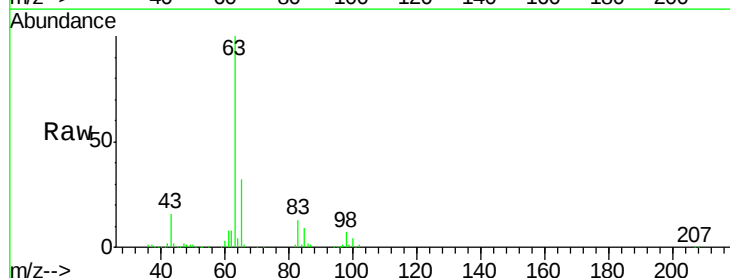
Instrument :
 MSVOA_N
 ClientSampled :

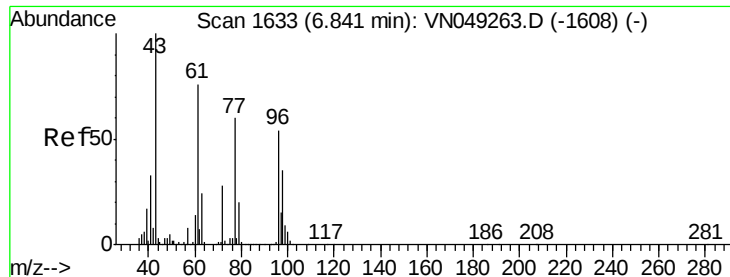
Tot Ion: 43 Resp: 8631293
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 47.87 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 63 Resp: 1628070
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 218.73 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

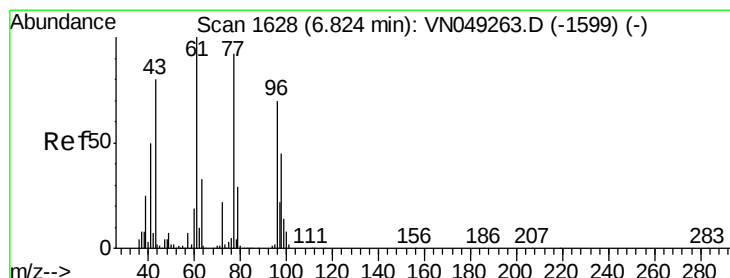
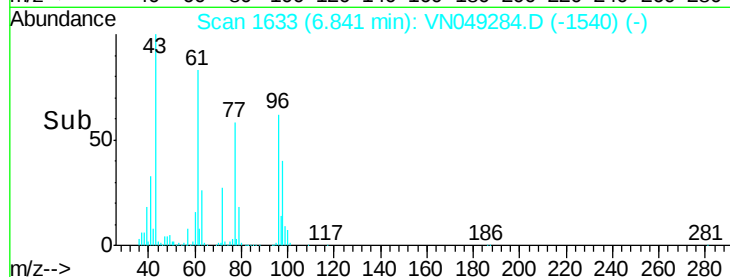
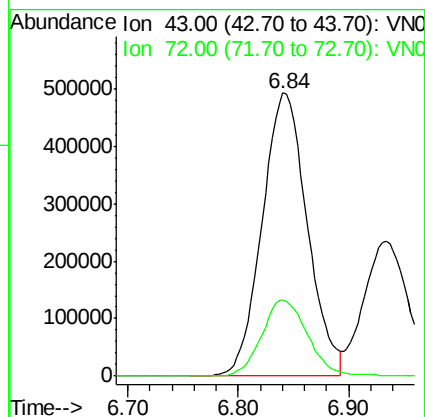
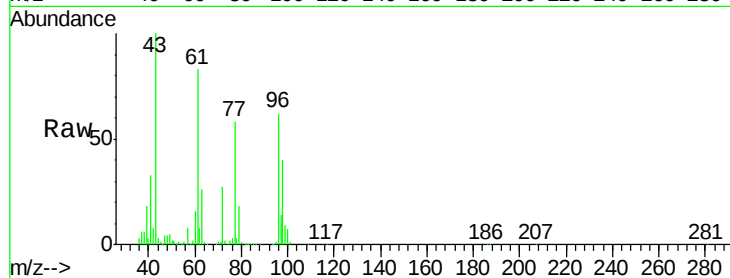
ClientSampled :

Tot Ion: 43 Resp: 1390133

Ion Ratio Lower Upper

43 100

72 27.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 41.26 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049284.D

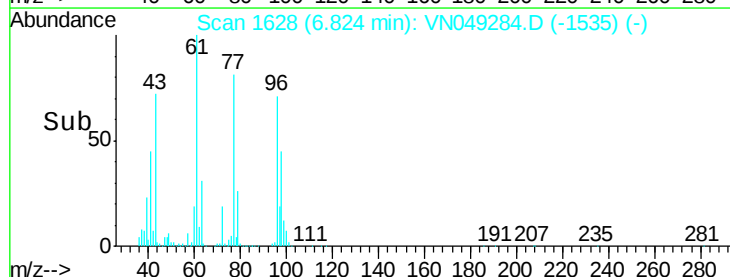
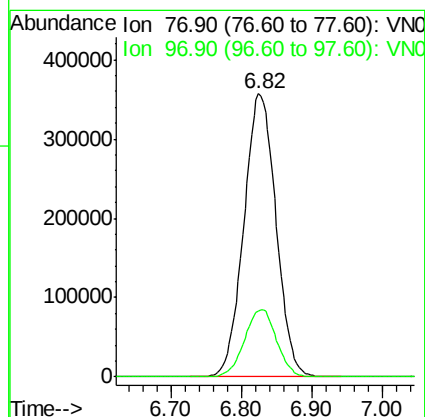
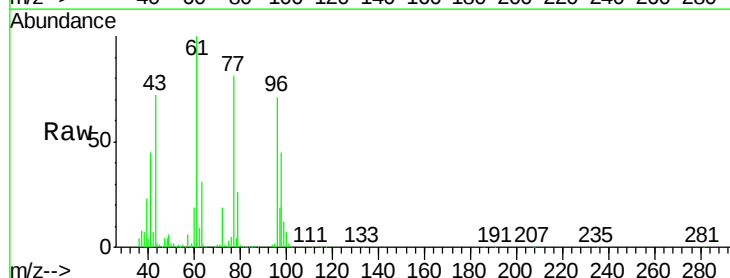
Acq: 16 Jun 2018 2:34

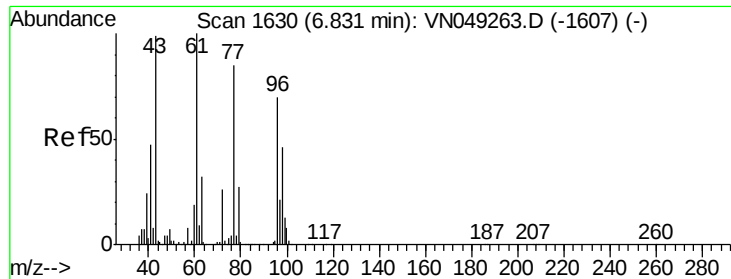
Tgt Ion: 77 Resp: 1133217

Ion Ratio Lower Upper

77 100

97 23.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 49.07 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

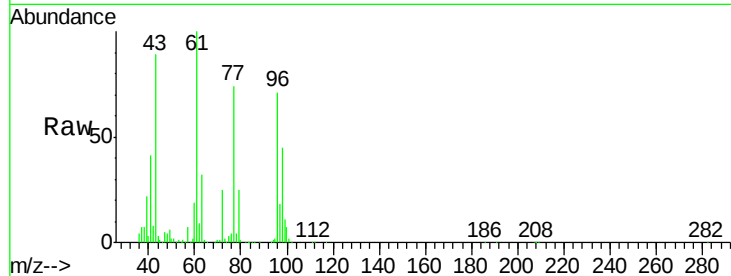
Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 973245

Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	316.4
98	64.1	0.0	128.4

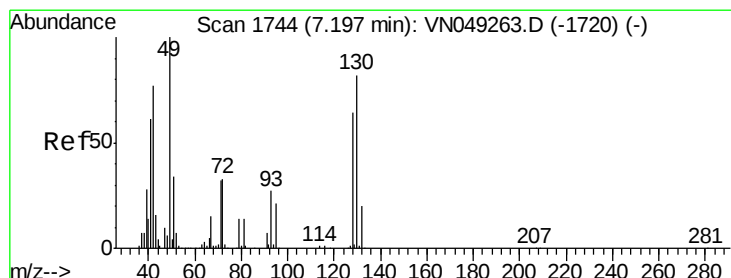
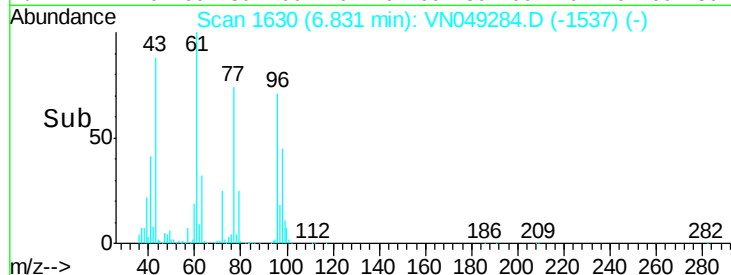
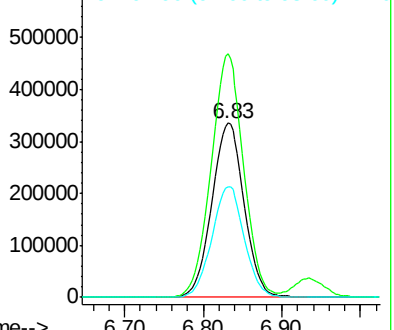


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.66 ug/l

RT: 7.20 min Scan# 1744

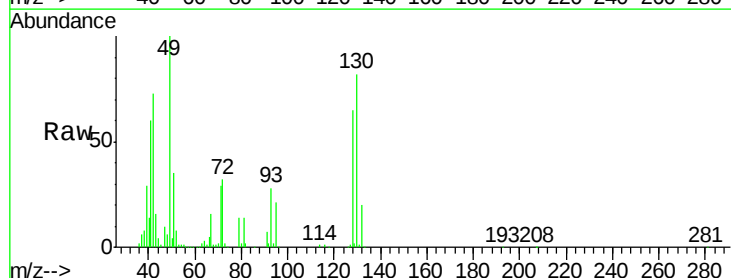
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 49 Resp: 748746

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.2	54.9	82.3

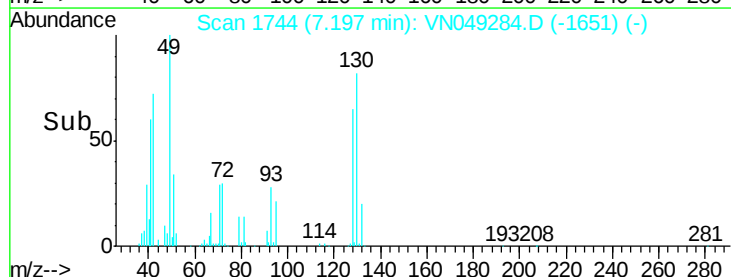
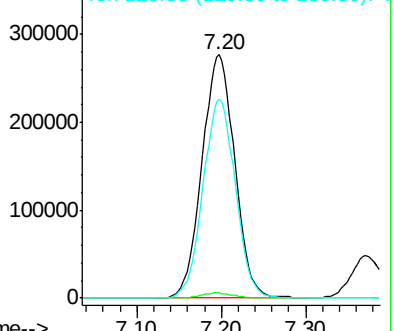


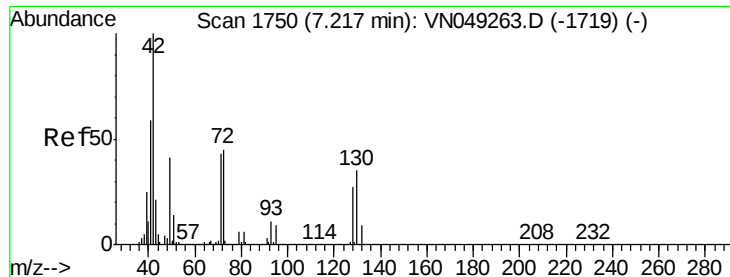
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 231.77 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

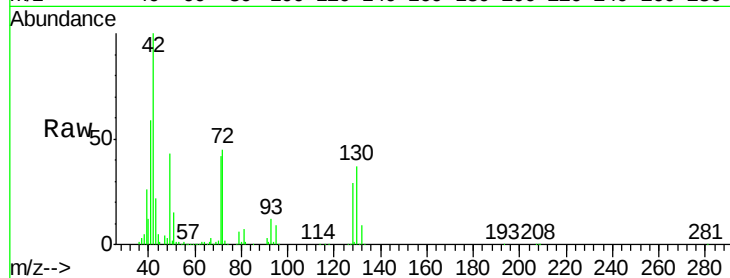
Tot Ion: 42 Resp: 948164

Ion Ratio Lower Upper

42 100

72 44.2 32.2 48.4

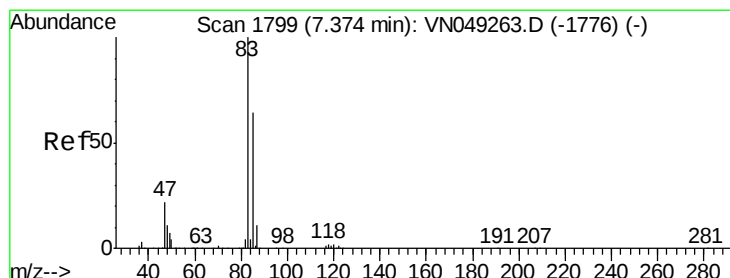
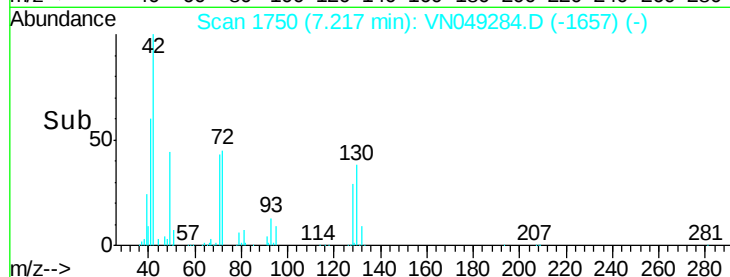
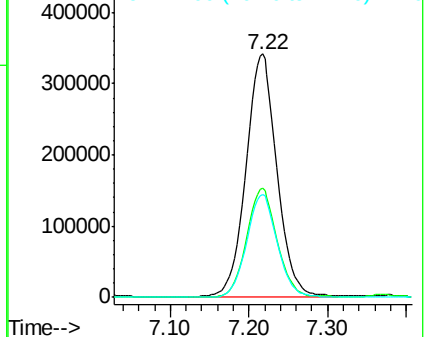
71 42.0 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.40 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049284.D

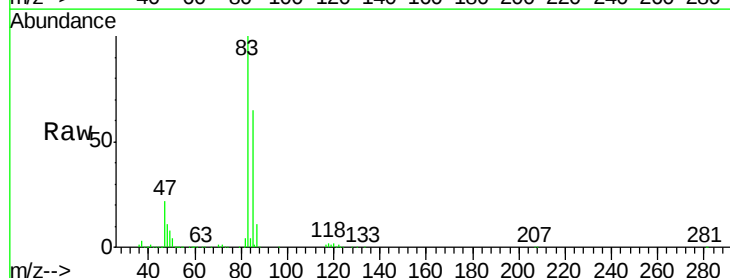
Acq: 16 Jun 2018 2:34

Tgt Ion: 83 Resp: 1638128

Ion Ratio Lower Upper

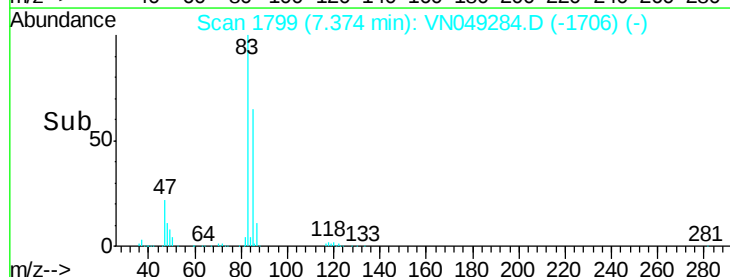
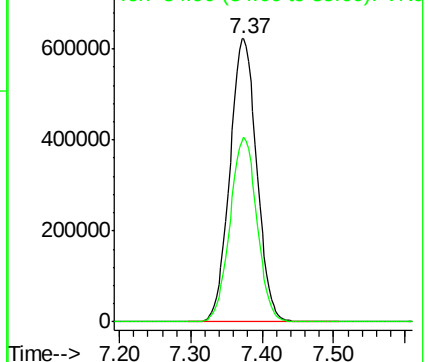
83 100

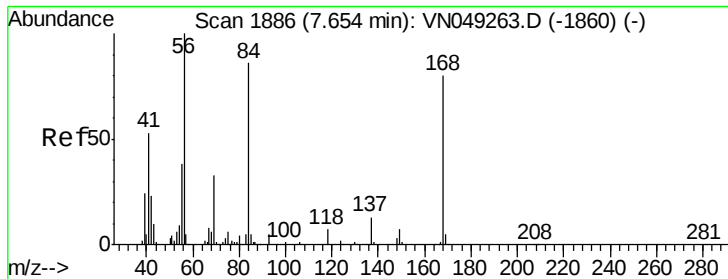
85 65.1 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

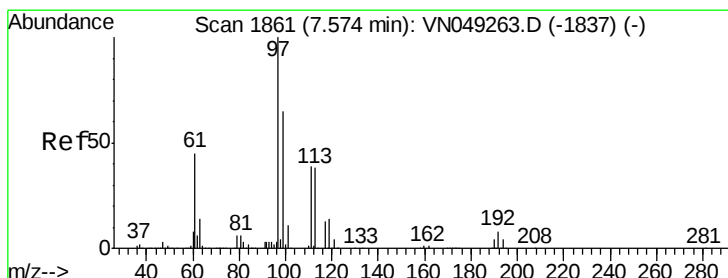
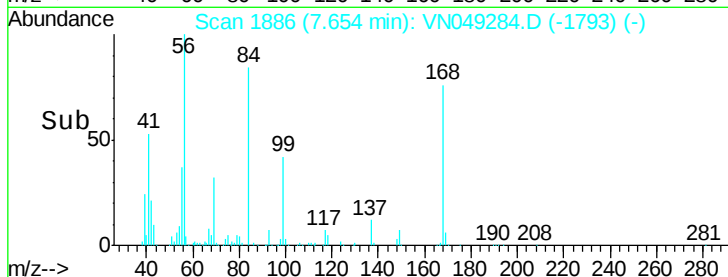
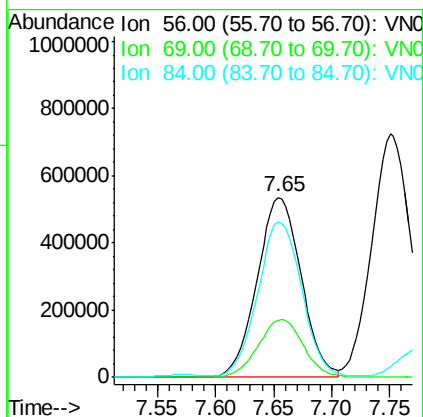
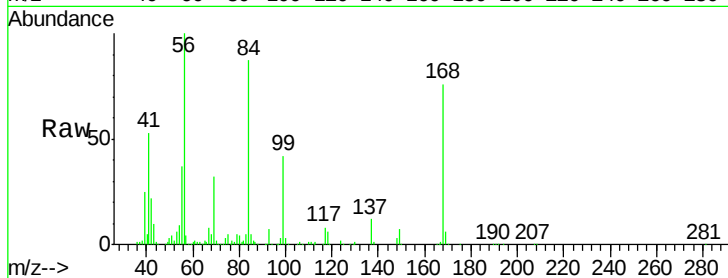




#31
Cyclohexane
Concen: 49.05 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

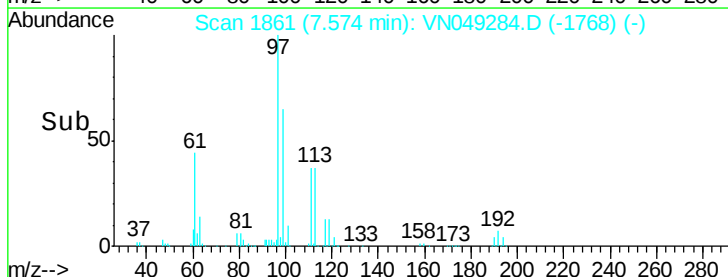
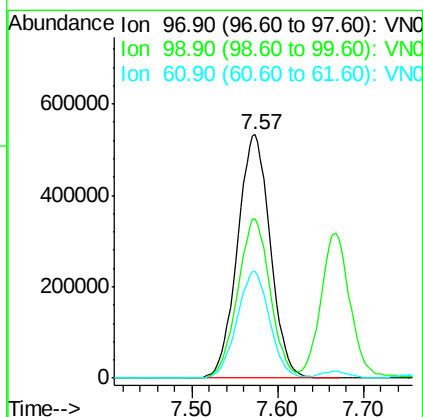
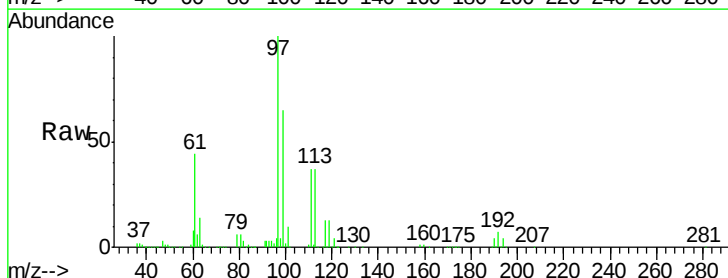
Instrument :
MSVOA_N
ClientSampled :

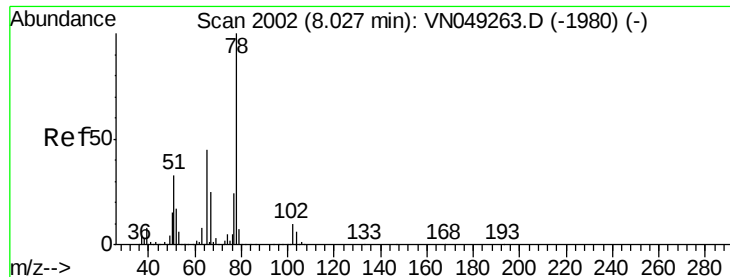
Tot Ion: 56 Resp: 1414273
Ion Ratio Lower Upper
56 100
69 31.8 25.0 37.4
84 85.3 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 48.90 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 97 Resp: 1412193
Ion Ratio Lower Upper
97 100
99 64.7 50.5 75.7
61 43.7 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 50.28 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

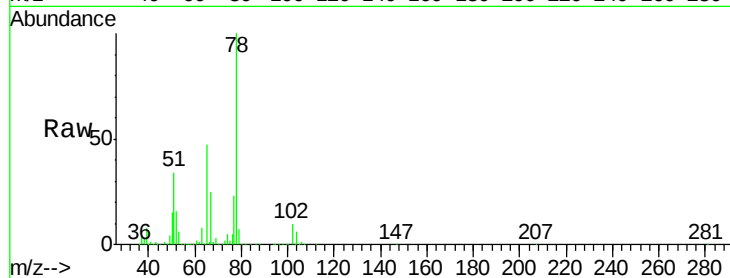
Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 980237

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049284.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049284.D (-1909) (-)

8.03

400000

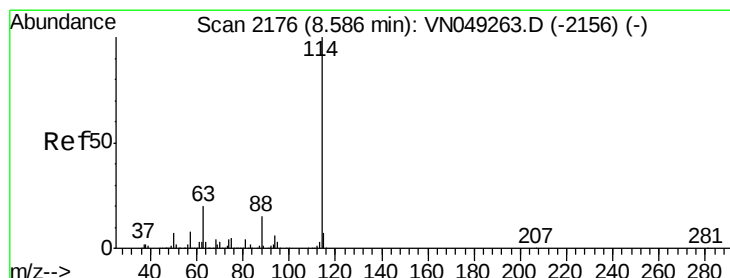
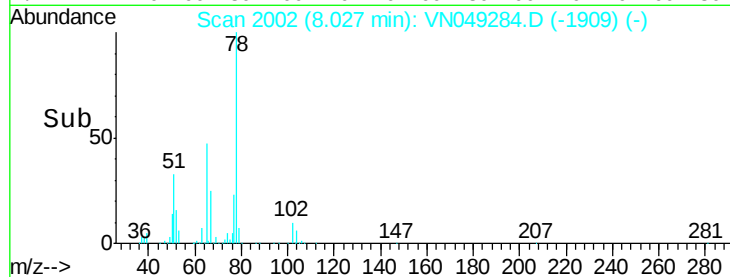
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

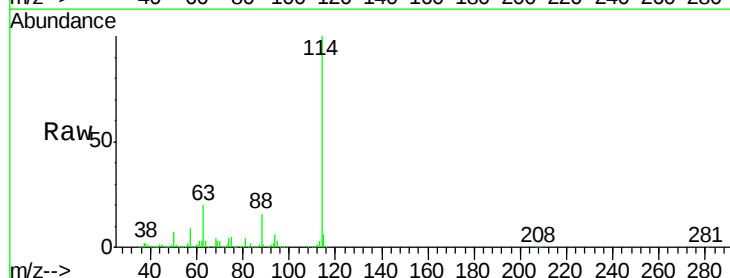
Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 114 Resp: 2170574

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.4
88	15.6	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049284.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049284.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049284.D (-2083) (-)

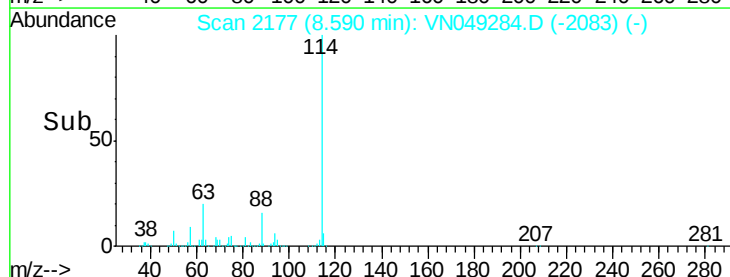
8.59

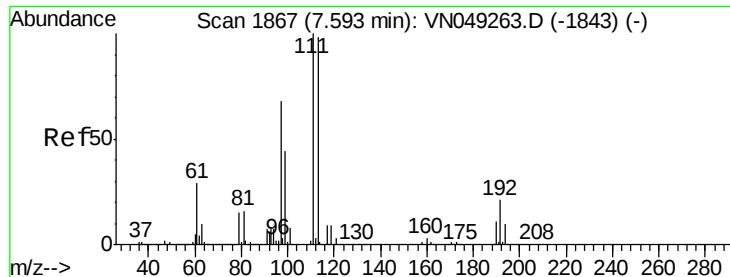
1000000

500000

0

Time--> 8.50 8.60 8.70 8.80

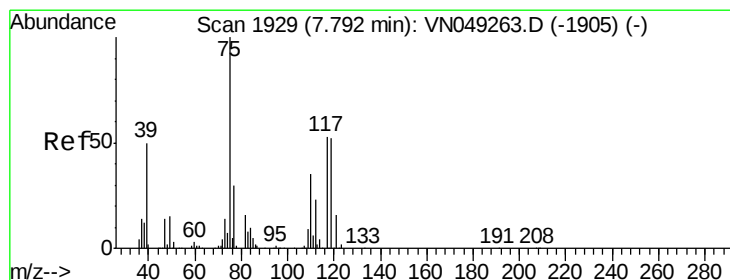
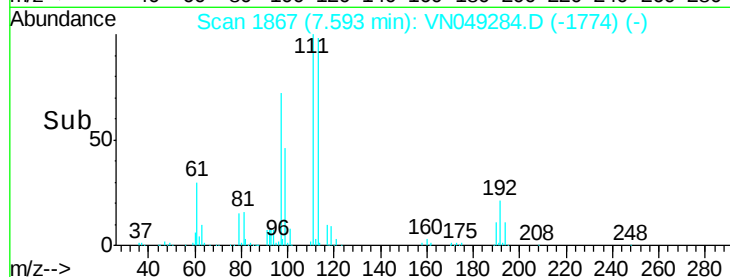
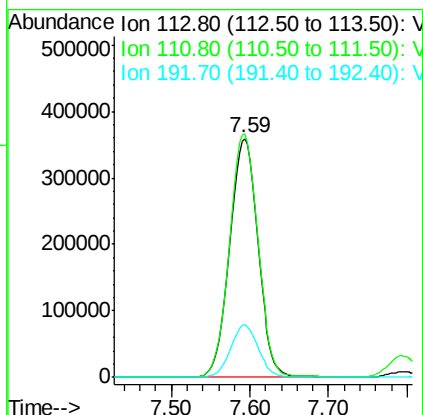
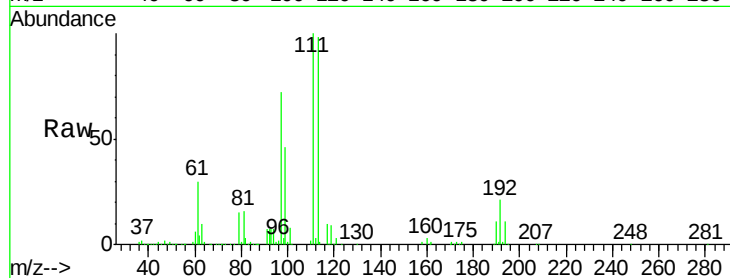




#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

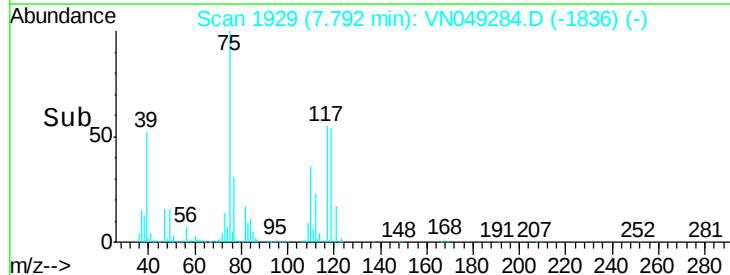
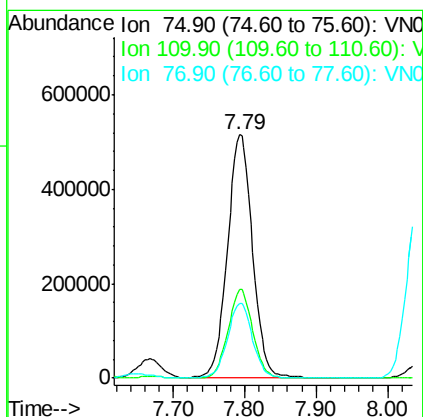
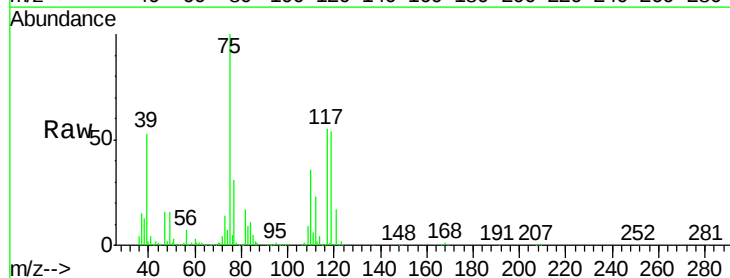
Instrument :
 MSVOA_N
 ClientSampled :

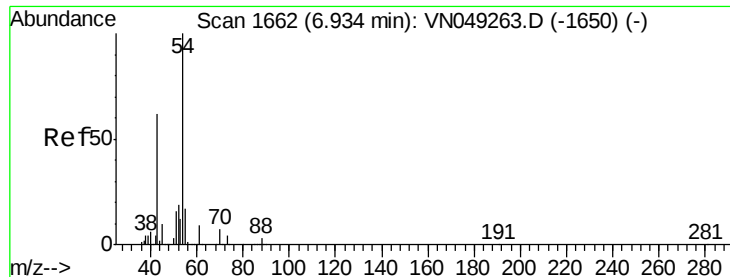
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	21.4	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 50.54 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	50.9
77	30.7	24.4	36.6

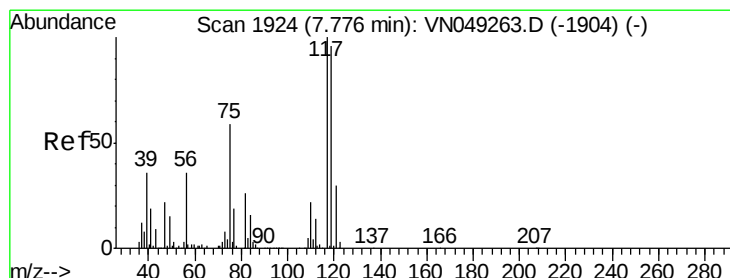
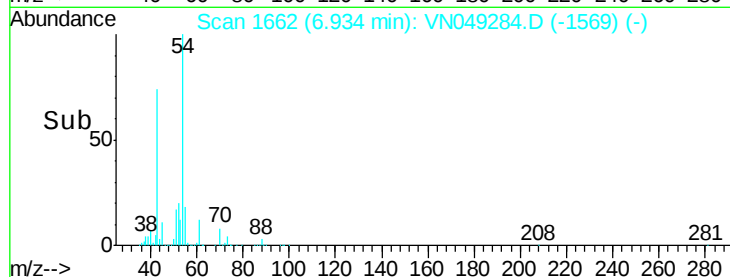
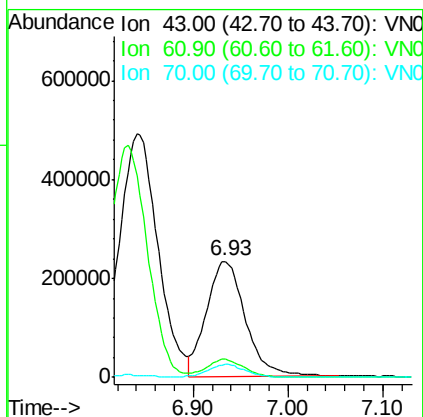
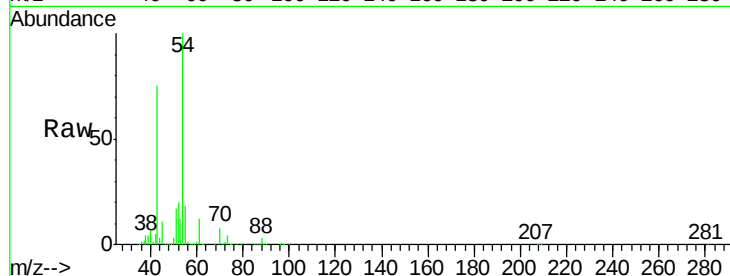




#37
Ethyl Acetate
Concen: 49.06 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

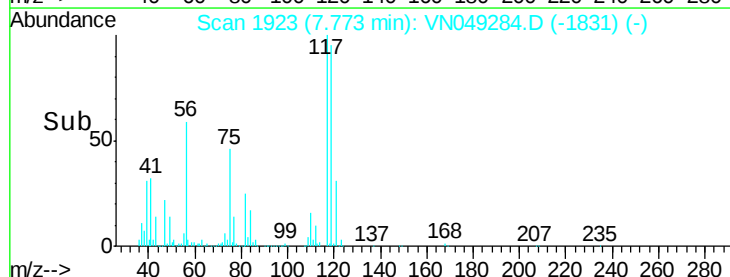
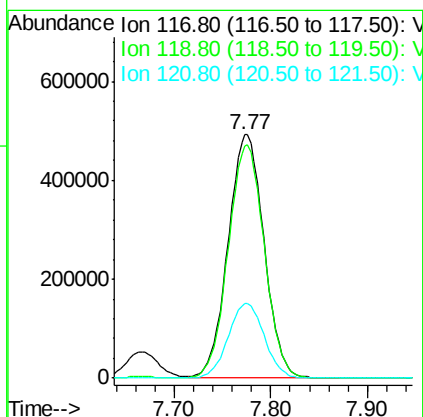
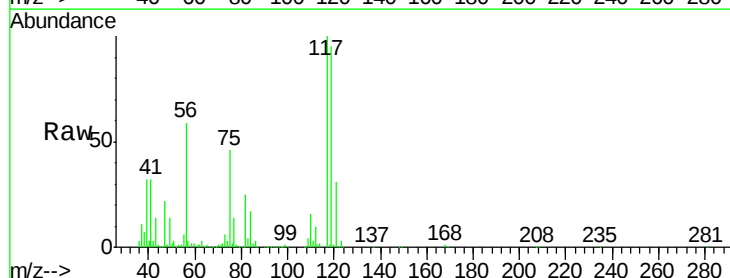
Instrument :
MSVOA_N
ClientSampled :

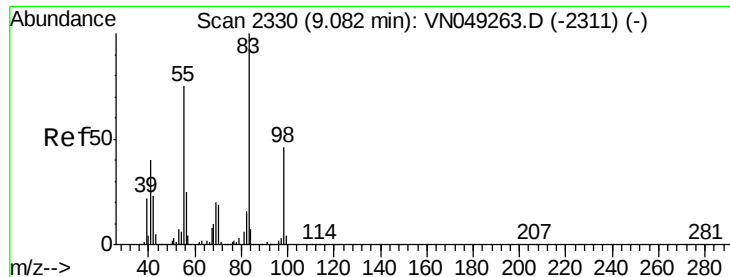
Tot Ion: 43 Resp: 663483
Ion Ratio Lower Upper
43 100
61 15.1 11.0 16.4
70 10.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 49.11 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 117 Resp: 1264928
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4
121 30.7 24.7 37.1

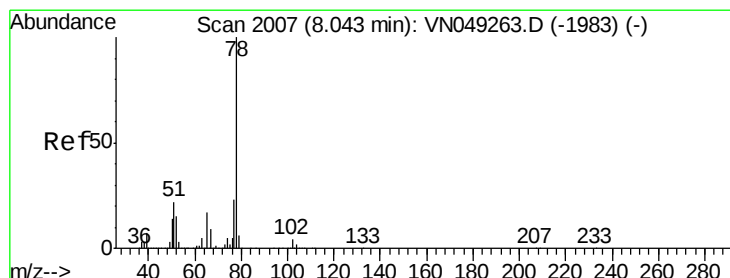
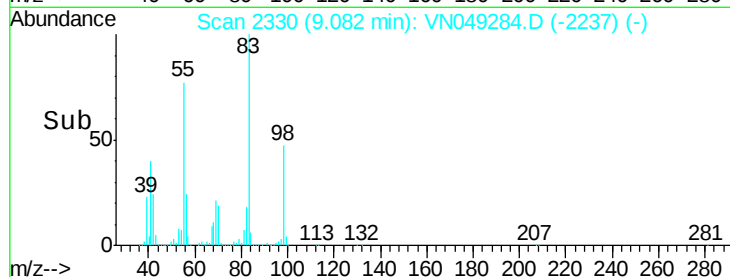
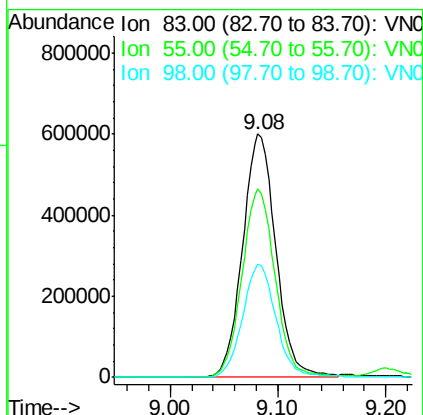
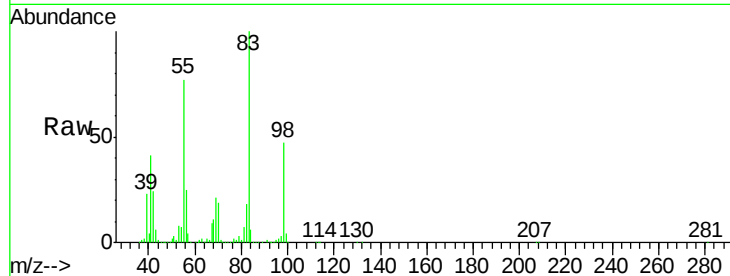




#39
Methvlcvclohexane
Concen: 48.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

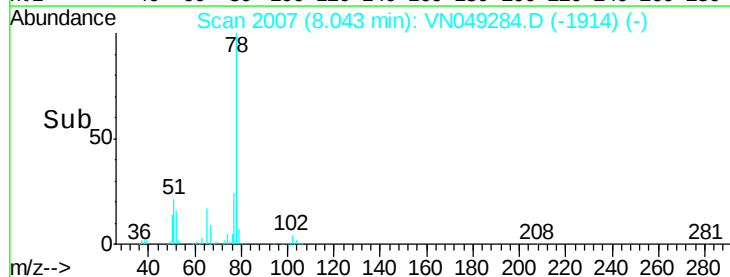
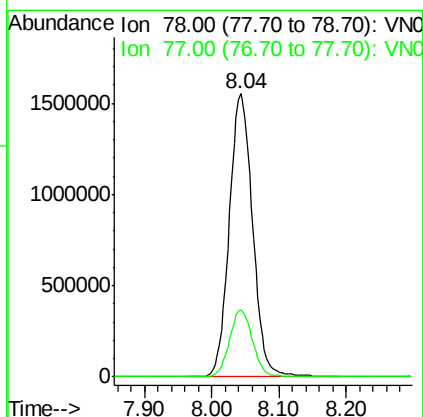
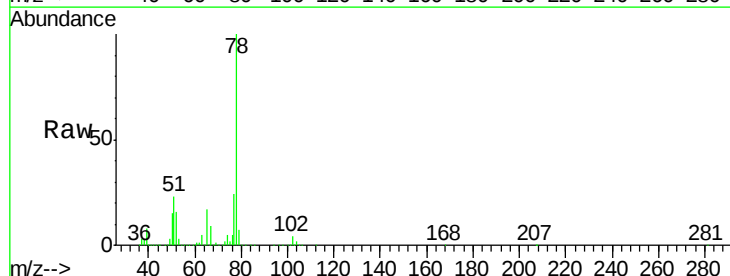
Instrument :
MSVOA_N
ClientSampleId :

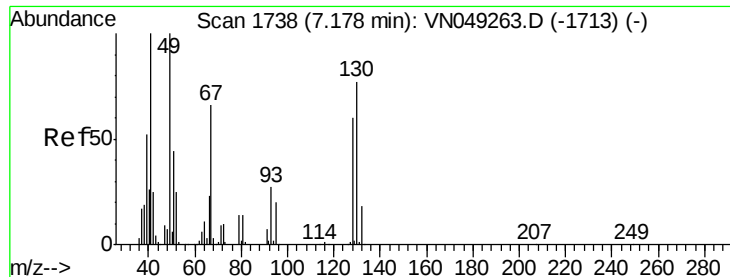
Tot Ion: 83 Resp: 1286101
Ion Ratio Lower Upper
83 100
55 77.4 65.1 97.7
98 46.5 36.5 54.7



#40
Benzene
Concen: 48.95 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 78 Resp: 3733488
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

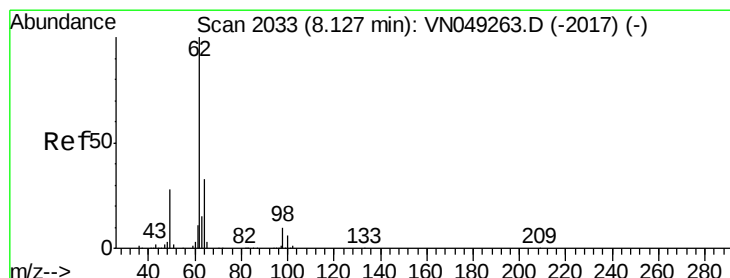
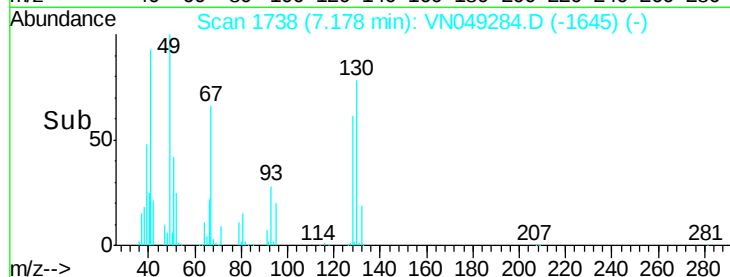
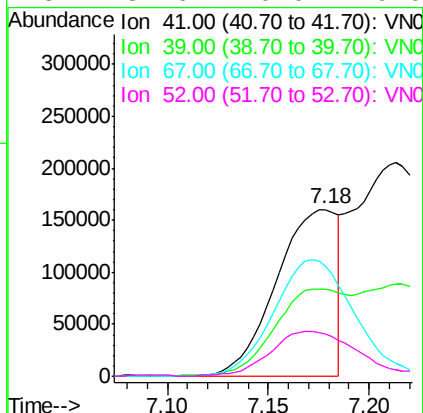
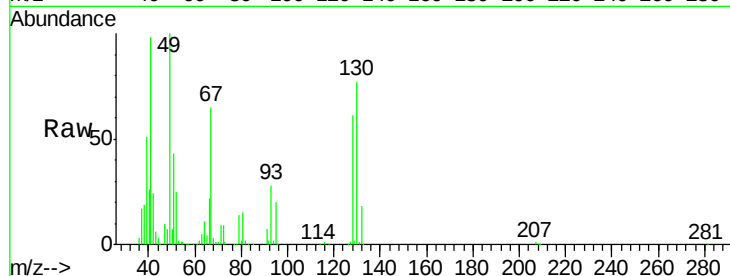




#41
Methacrylonitrile
Concen: 45.97 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

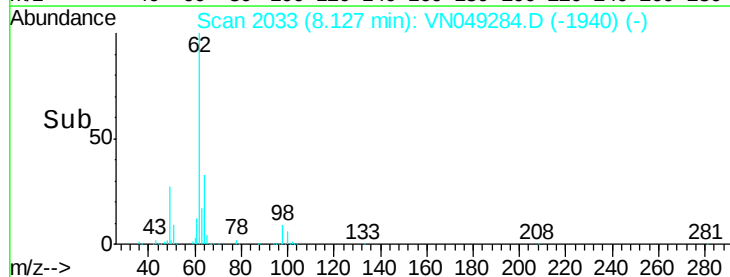
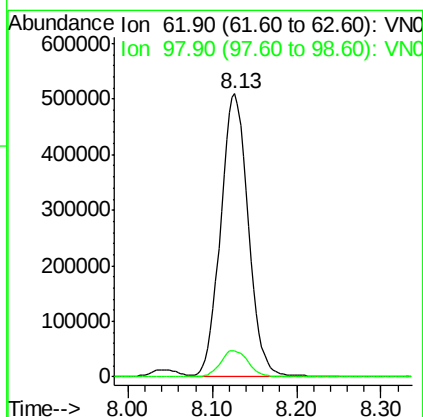
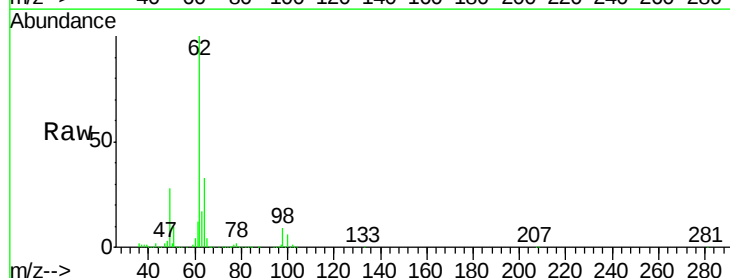
Instrument :
MSVOA_N
ClientSampleId :

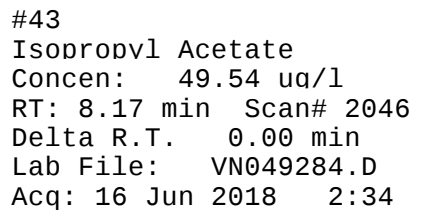
Tot Ion: 41 Resp: 336086
Ion Ratio Lower Upper
41 100
39 61.7 0.0 0.0#
67 93.3 0.0 0.0#
52 37.6 0.0 0.0#



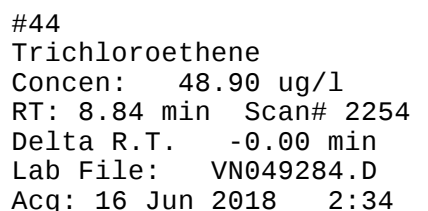
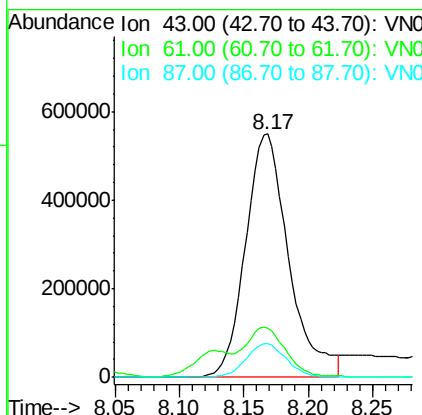
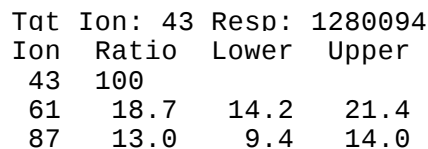
#42
1,2-Dichloroethane
Concen: 49.20 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 62 Resp: 1159379
Ion Ratio Lower Upper
62 100
98 9.5 0.0 16.2

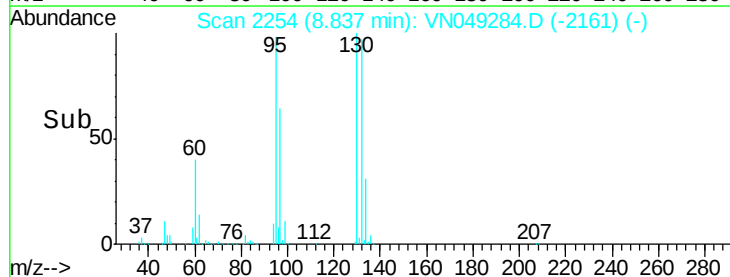
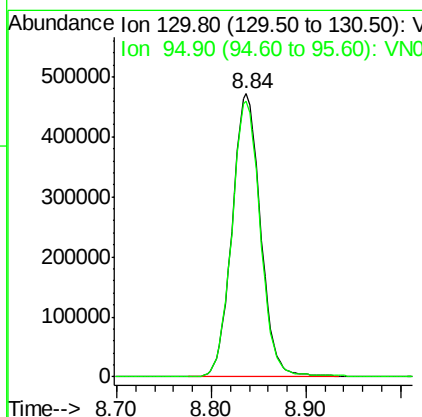


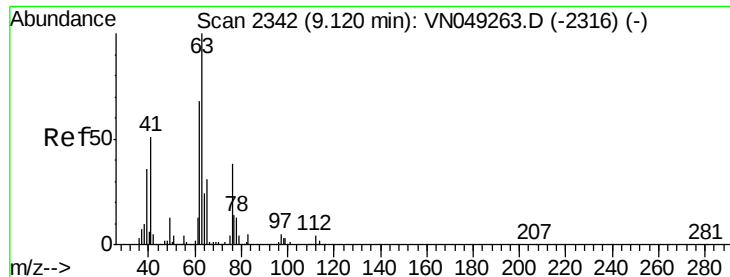


Instrument :
MSVOA_N
ClientSampleId :



Tgt	Ion:130	Resp:	984949
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	208.6





#45

1,2-Dichloropropane

Concen: 50.05 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

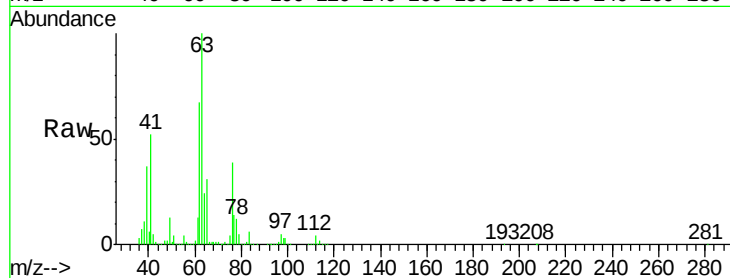
ClientSampled :

Tot Ion: 63 Resp: 999507

Ion Ratio Lower Upper

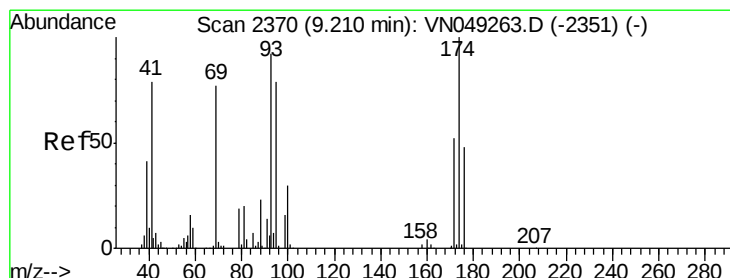
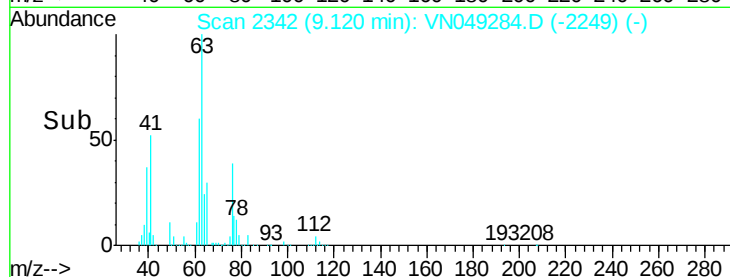
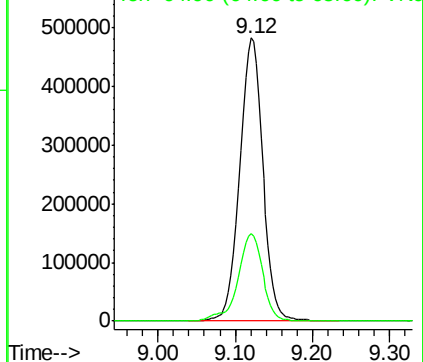
63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.86 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

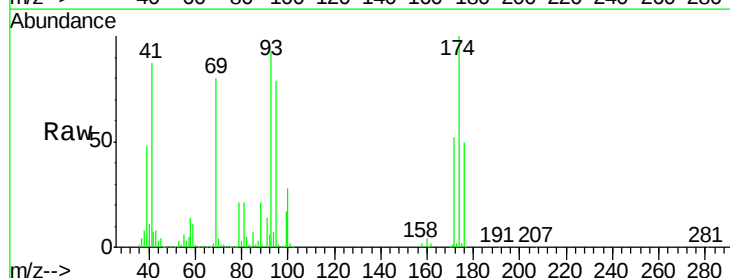
Tgt Ion: 93 Resp: 565732

Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

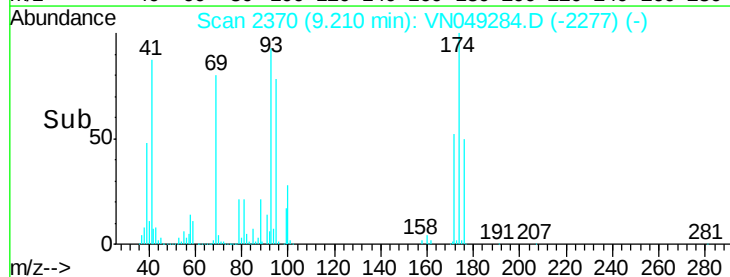
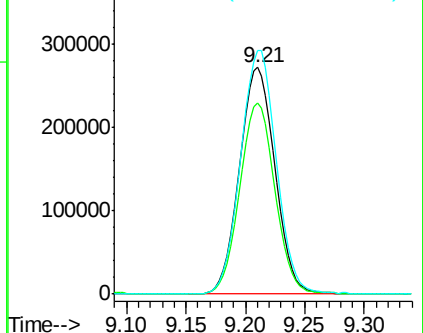
174 108.1 75.6 113.4

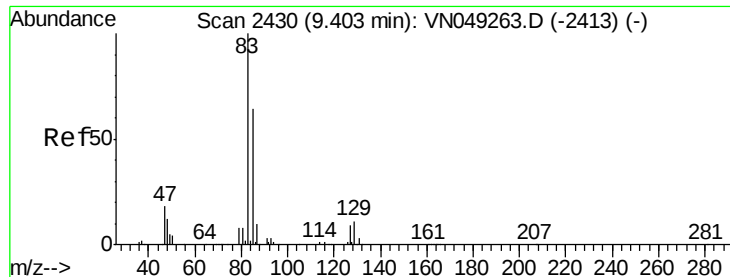


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

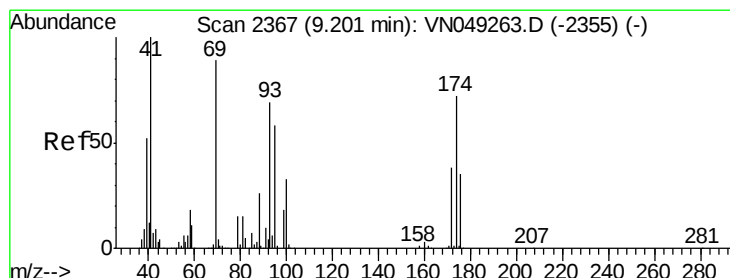
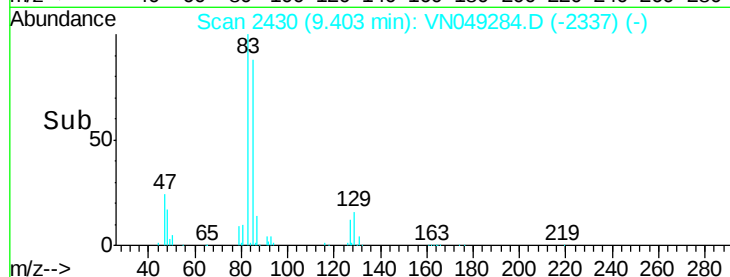
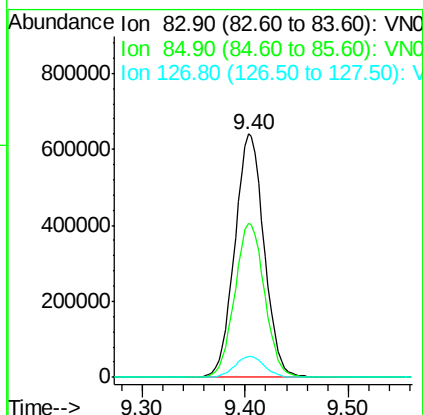
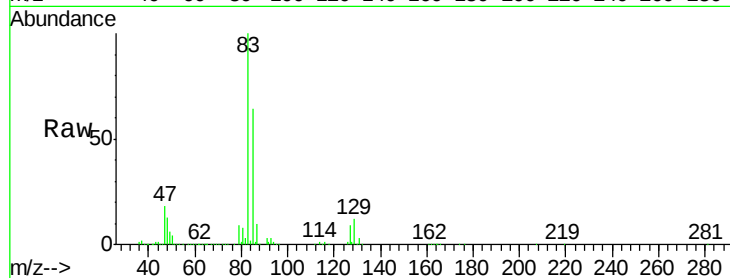




#47
Bromodichloromethane
Concen: 49.77 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

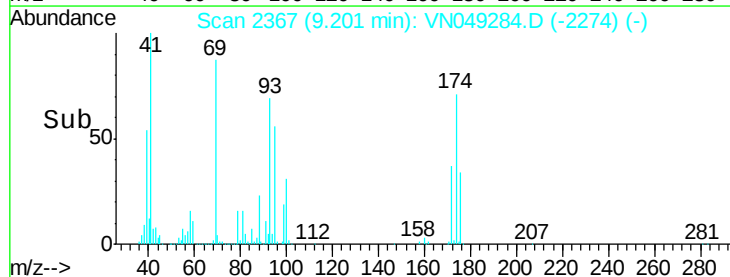
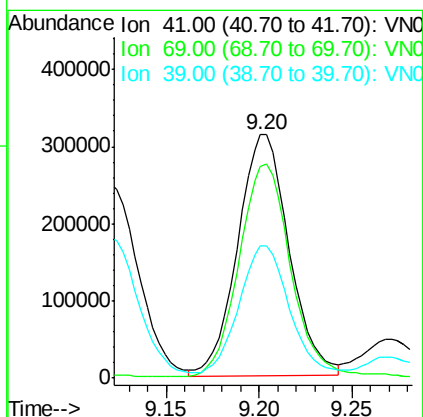
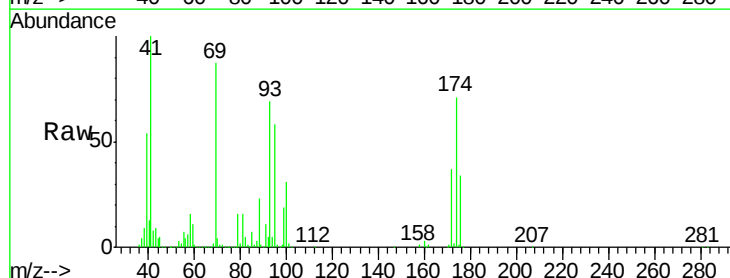
Instrument :
MSVOA_N
ClientSampleId :

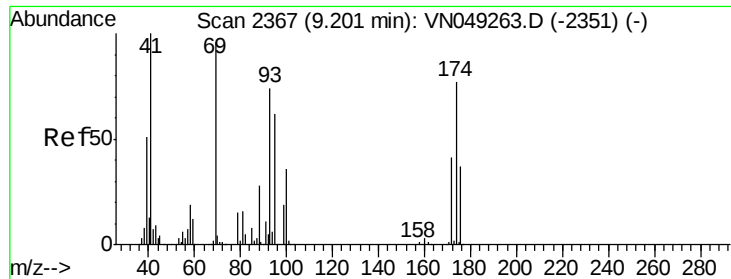
Tot Ion: 83 Resp: 1266420
Ion Ratio Lower Upper
83 100
85 63.5 49.4 74.0
127 8.6 6.3 9.5



#48
Methyl methacrylate
Concen: 49.98 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 41 Resp: 608167
Ion Ratio Lower Upper
41 100
69 90.4 62.0 93.0
39 54.2 50.6 75.8

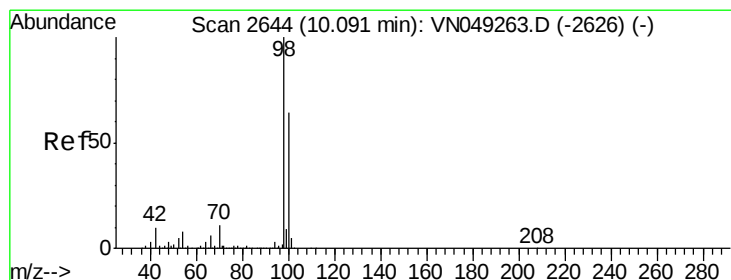
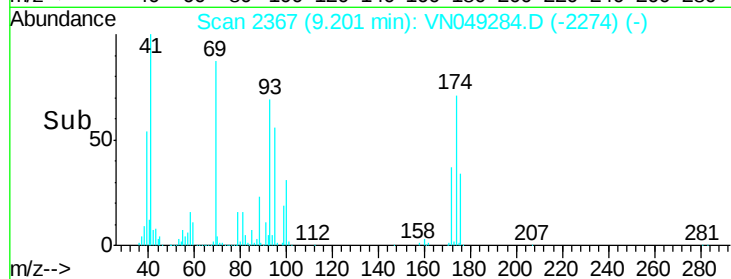
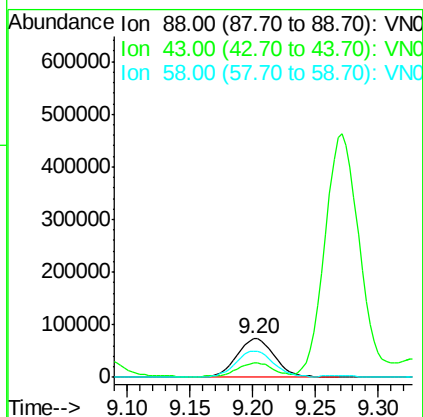
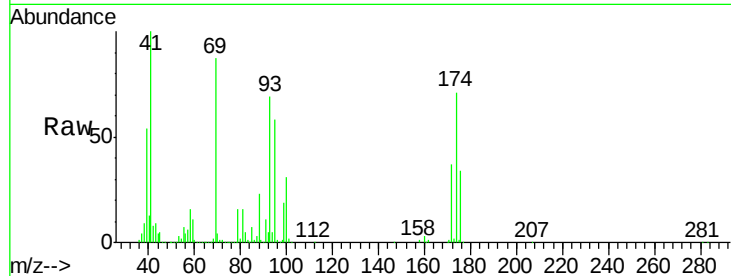




#49
1,4-Dioxane
Concen: 924.30 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

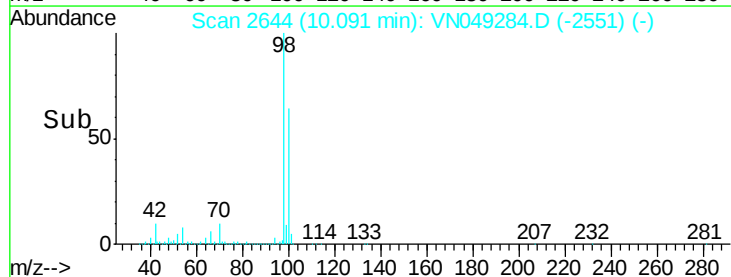
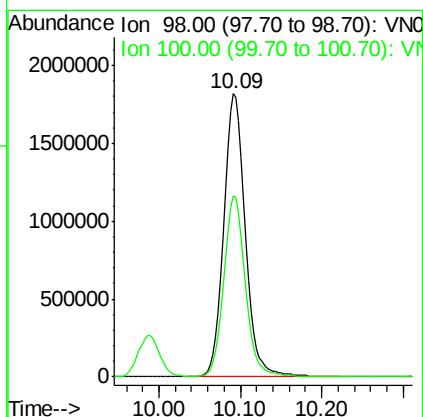
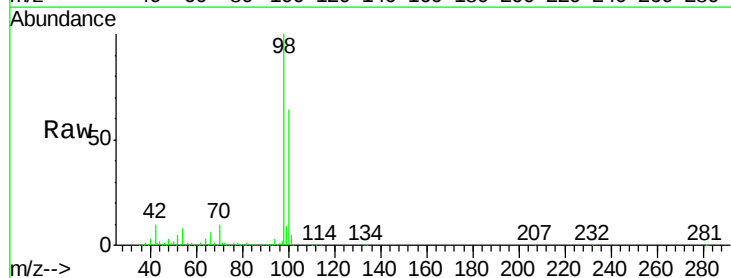
Instrument :
MSVOA_N
ClientSampleId :

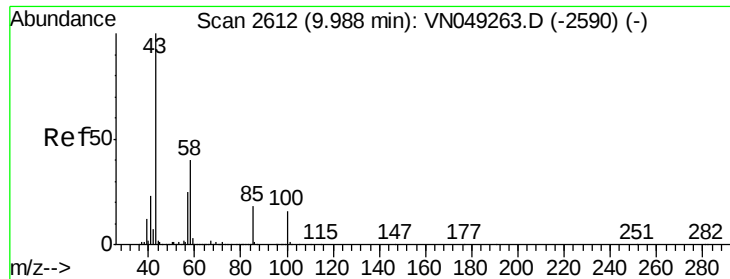
Tot Ion: 88 Resp: 155230
Ion Ratio Lower Upper
88 100
43 32.6 30.9 46.3
58 68.5 58.9 88.3



#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 98 Resp: 3415815
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8

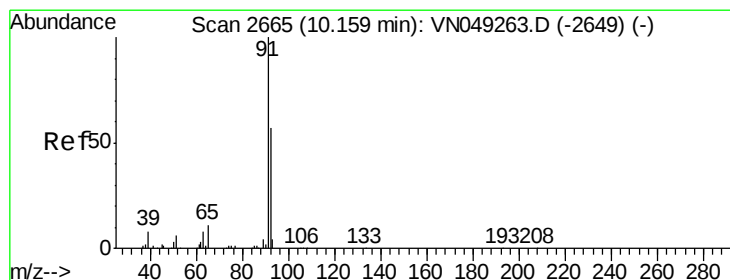
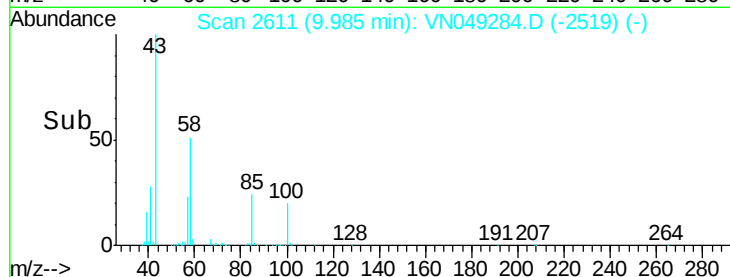
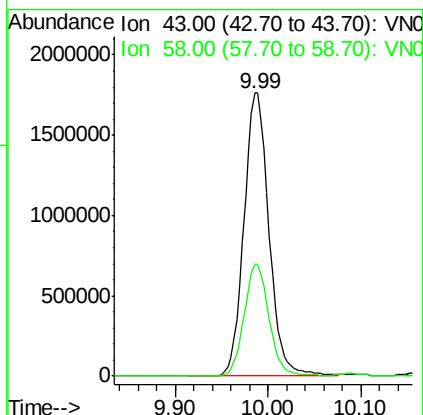
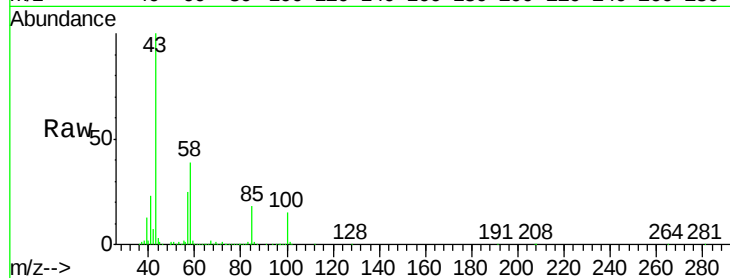




#51
 4-Methyl-2-Pentanone
 Concen: 243.82 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

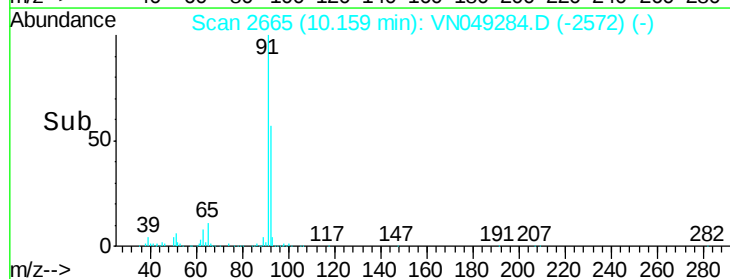
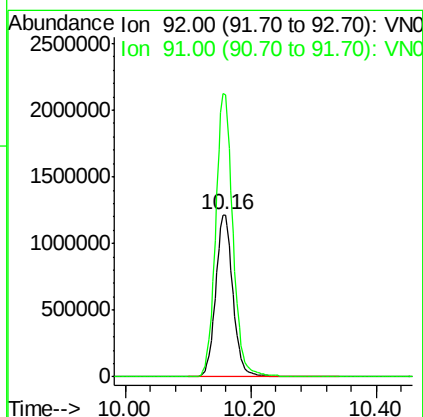
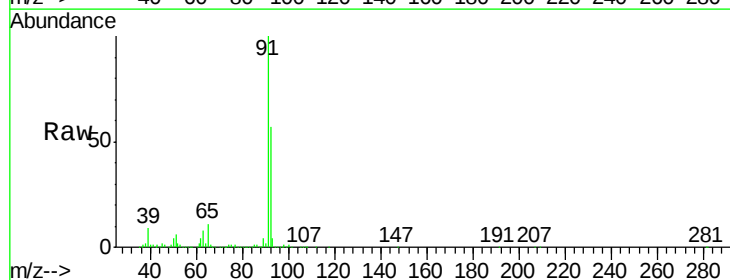
Instrument :
 MSVOA_N
 ClientSampled :

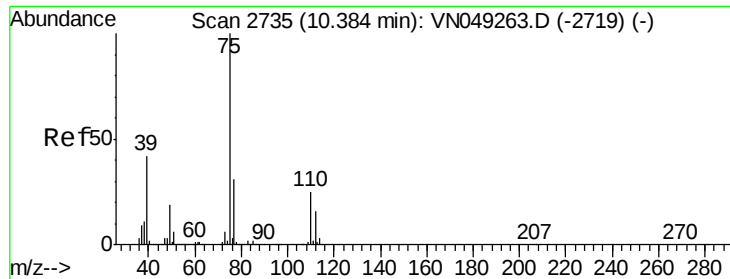
Tot Ion: 43 Resp: 3302023
 Ion Ratio Lower Upper
 43 100
 58 39.4 29.0 43.6



#52
 Toluene
 Concen: 51.68 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 92 Resp: 2313189
 Ion Ratio Lower Upper
 92 100
 91 175.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 48.61 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

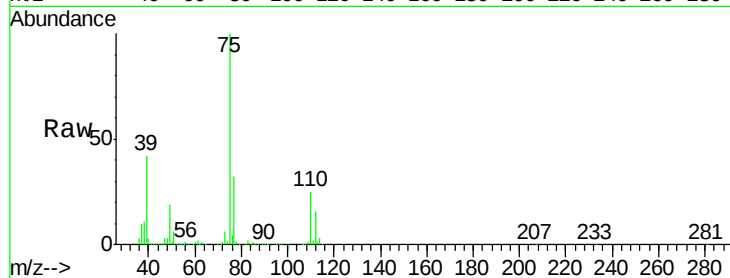
ClientSampled :

Tot Ion: 75 Resp: 1183348

Ion Ratio Lower Upper

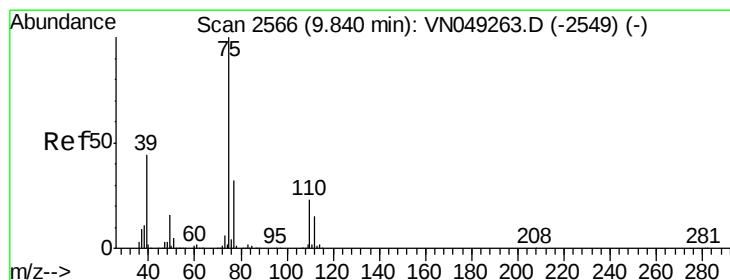
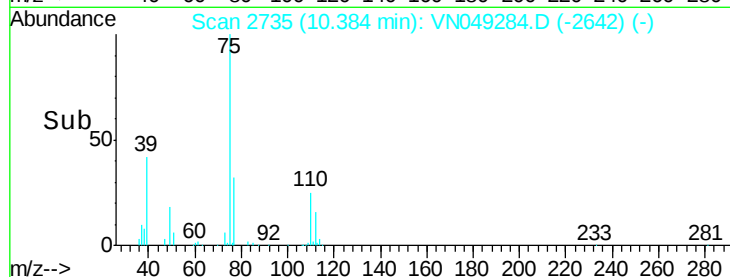
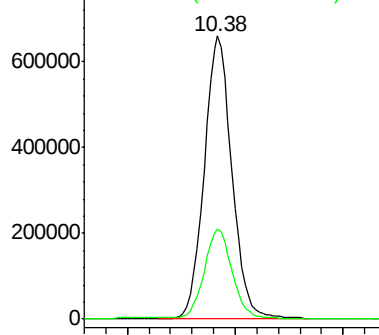
75 100

77 31.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.12 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

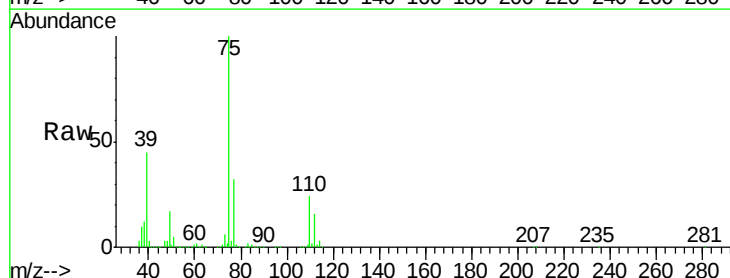
Tgt Ion: 75 Resp: 1411757

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

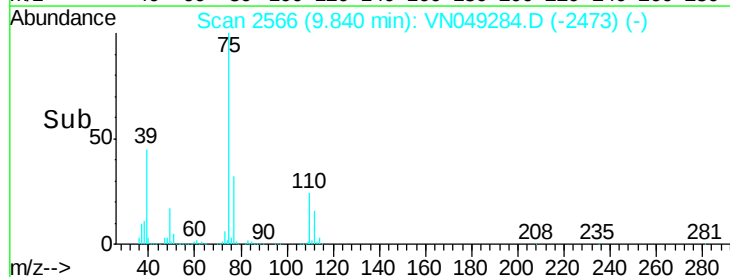
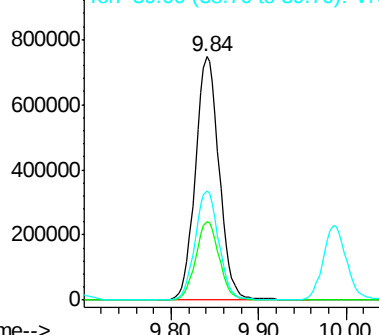
39 45.0 45.1 67.7#

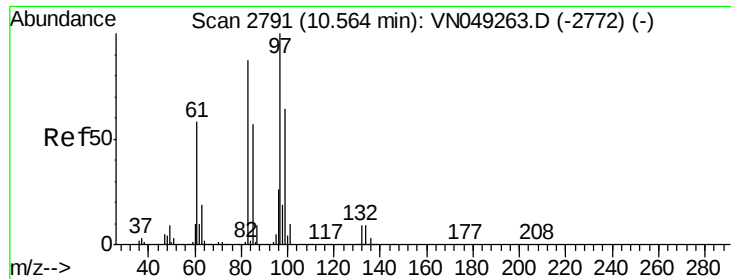


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

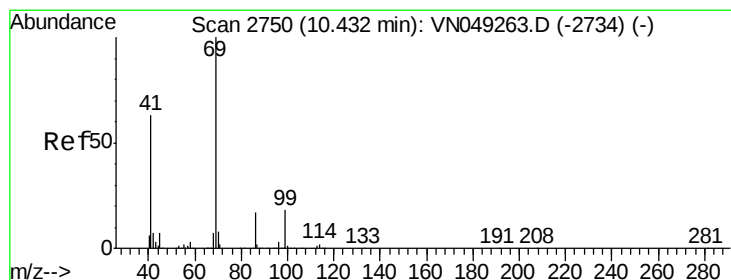
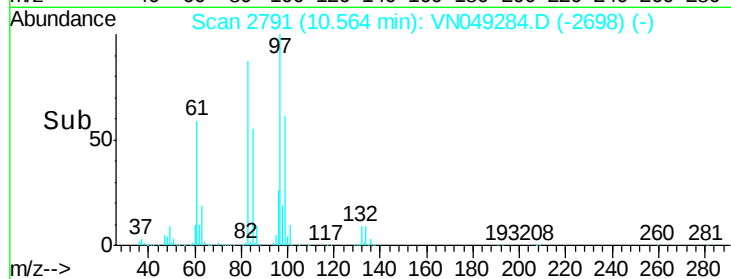
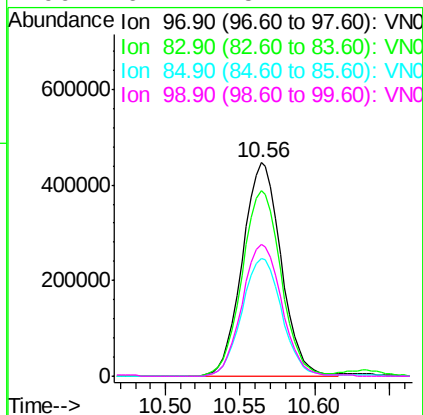
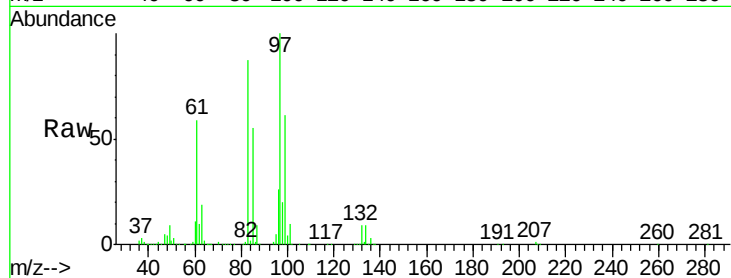




#55
 1,1,2-Trichloroethane
 Concen: 48.33 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

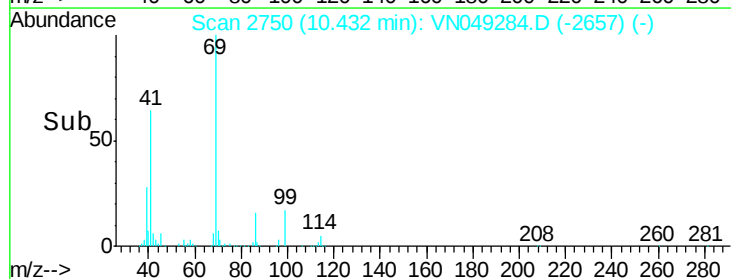
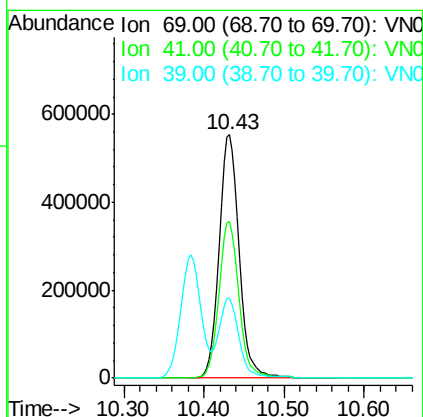
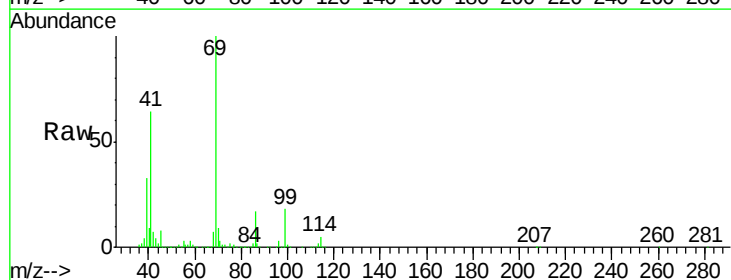
Instrument :
 MSVOA_N
 ClientSampleId :

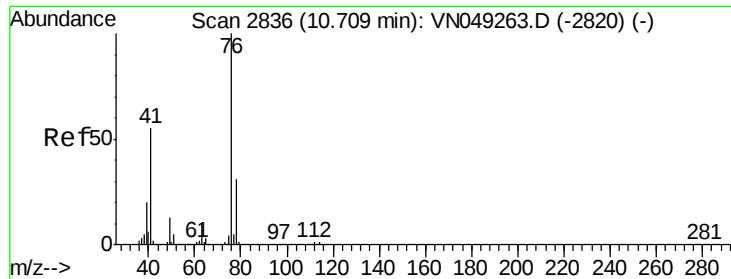
Tot Ion:	97	Resp:	806490
Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.5	107.3
85	55.2	47.0	70.4
99	61.4	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 50.05 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion:	69	Resp:	963501
Ion	Ratio	Lower	Upper
69	100		
41	64.3	58.4	87.6
39	33.0	35.5	53.3#

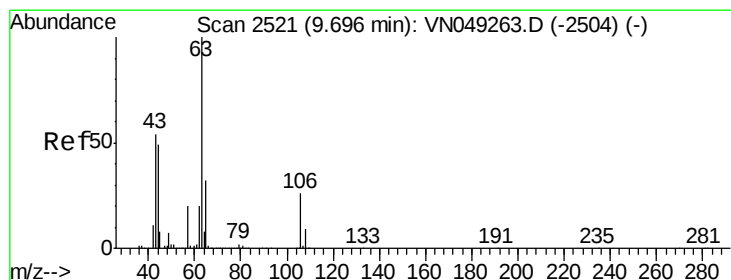
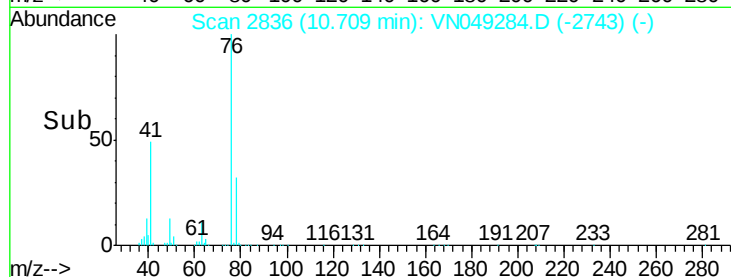
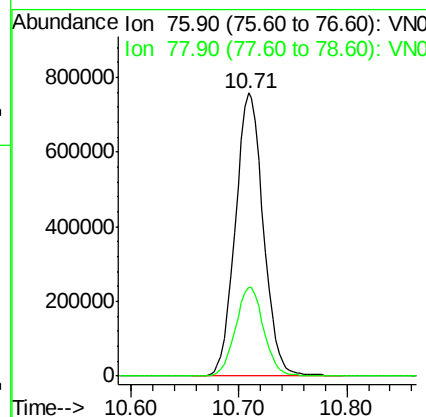
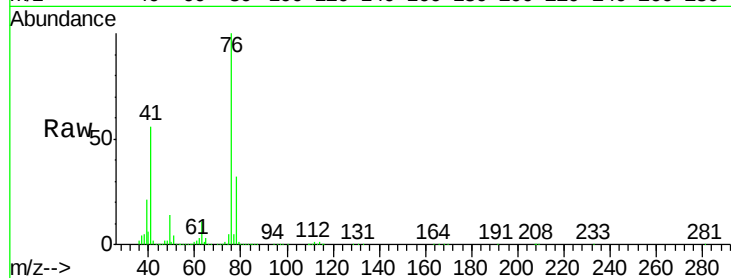




#57
 1,3-Dichloropropane
 Concen: 49.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

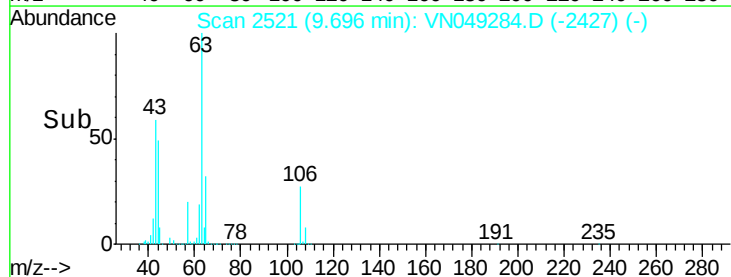
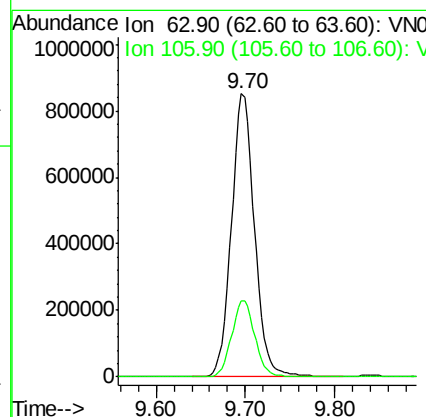
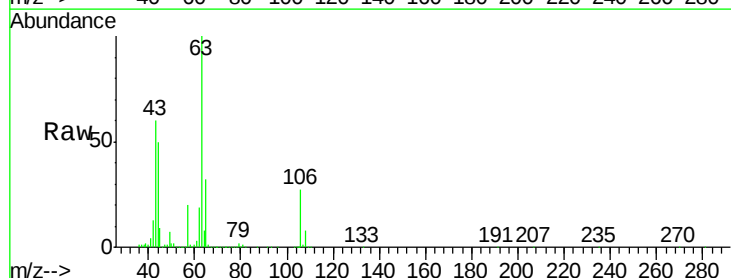
Instrument :
 MSVOA_N
 ClientSampled :

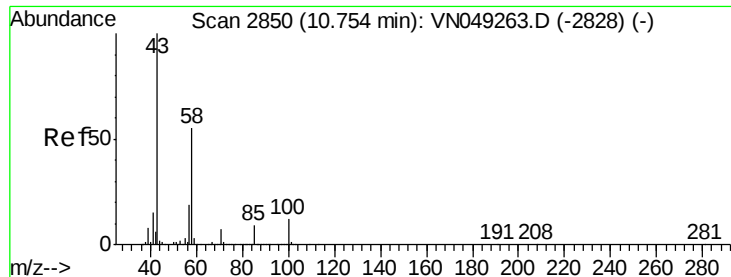
Tot Ion: 76 Resp: 1373362
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.02 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 63 Resp: 1523663
 Ion Ratio Lower Upper
 63 100
 106 27.2 19.4 29.2

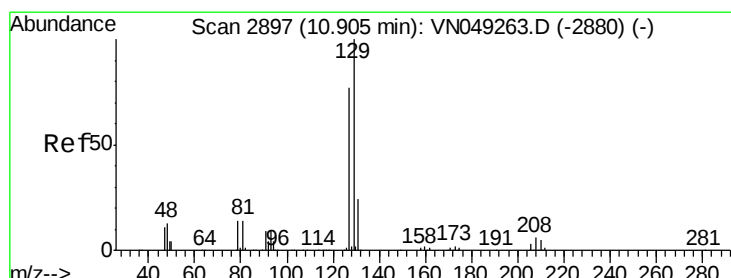
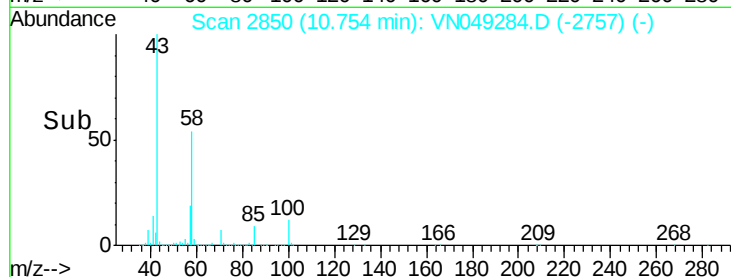
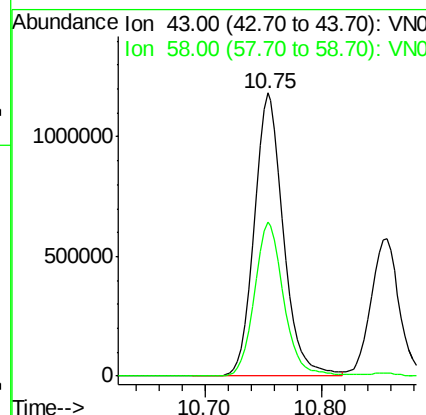
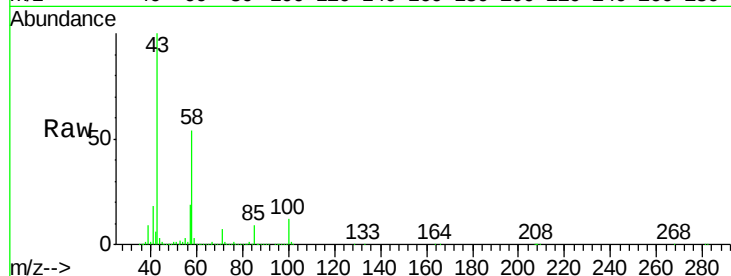




#59
2-Hexanone
Concen: 237.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

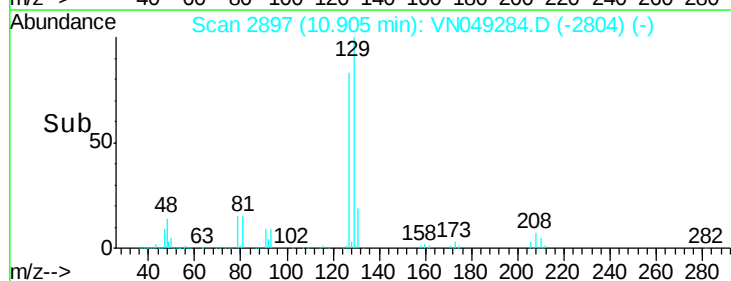
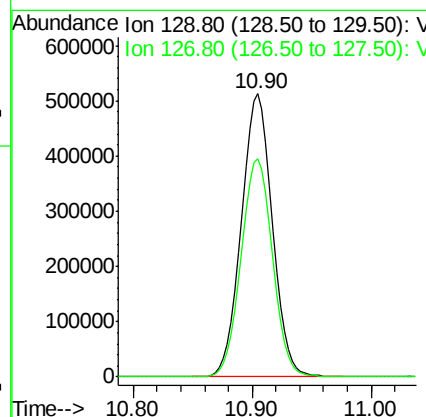
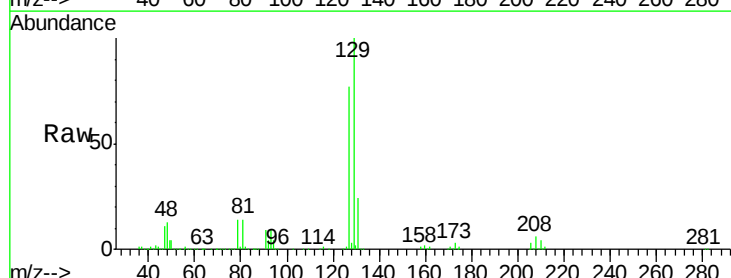
Instrument :
MSVOA_N
ClientSampleId :

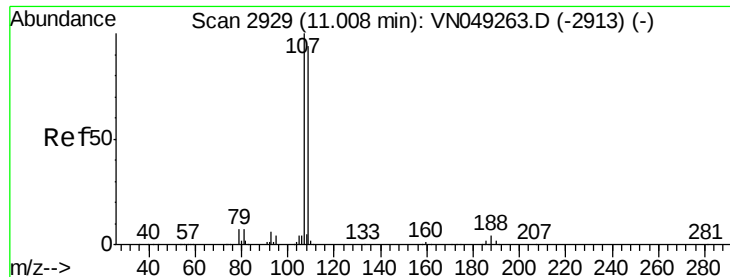
Tot Ion: 43 Resp: 2070872
Ion Ratio Lower Upper
43 100
58 54.8 25.2 75.6



#60
Dibromochloromethane
Concen: 49.74 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 129 Resp: 926381
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2

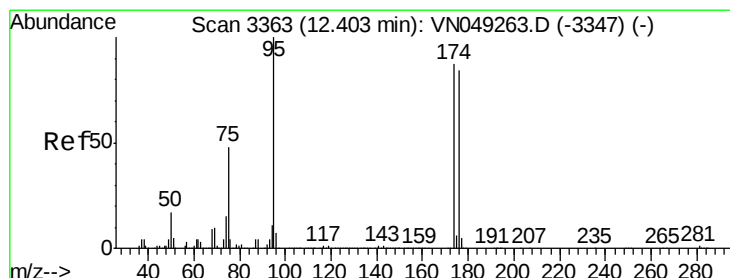
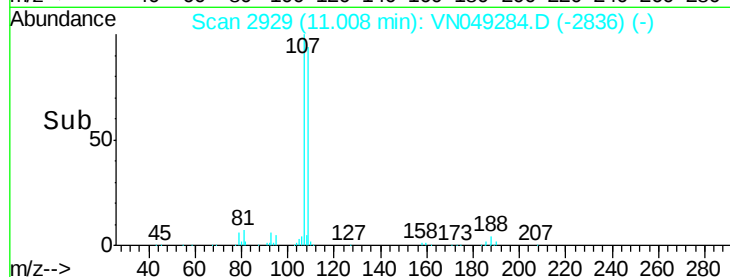
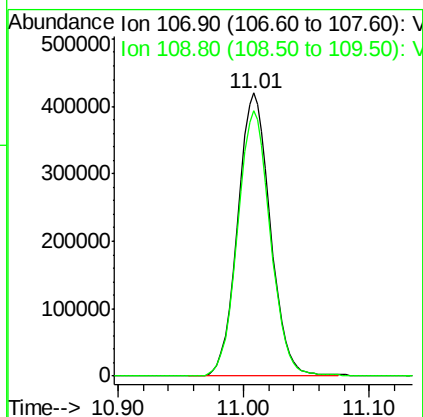
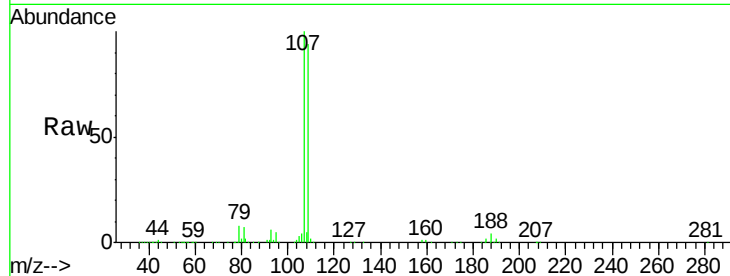




#61
 1,2-Dibromoethane
 Concen: 48.83 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

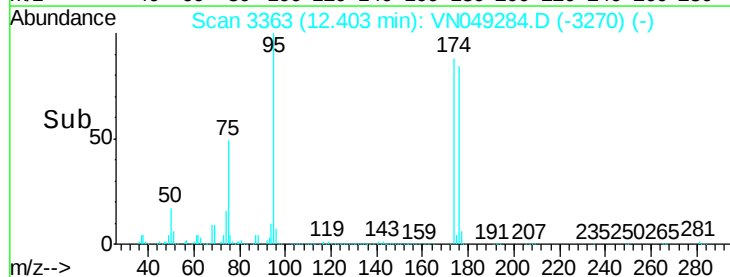
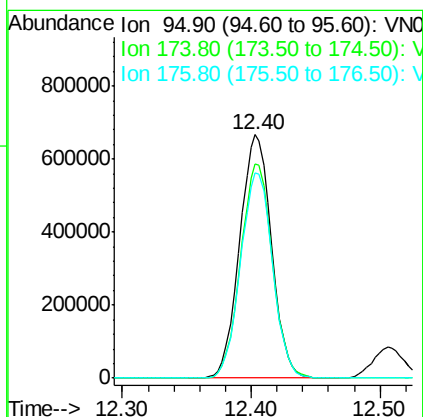
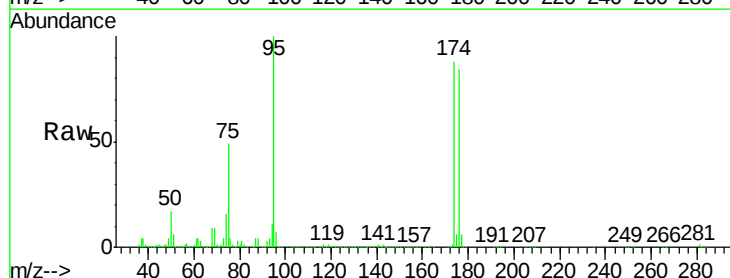
Instrument :
 MSVOA_N
 ClientSampleId :

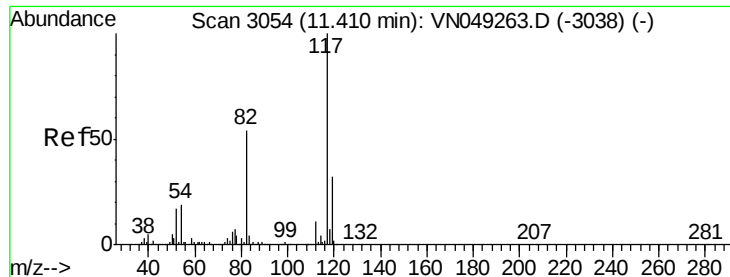
Tot Ion: 107 Resp: 757432
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 95 Resp: 1142570
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 165.6
 176 85.1 0.0 157.4

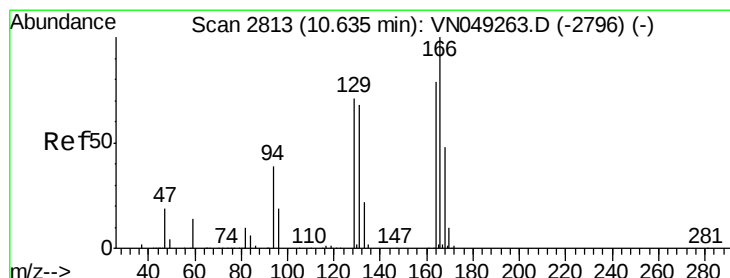
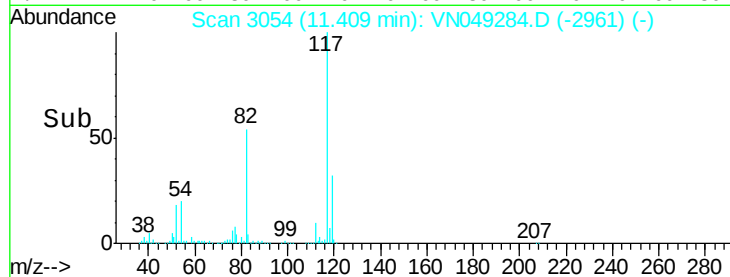
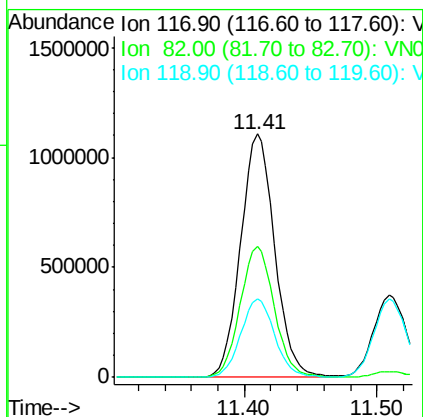
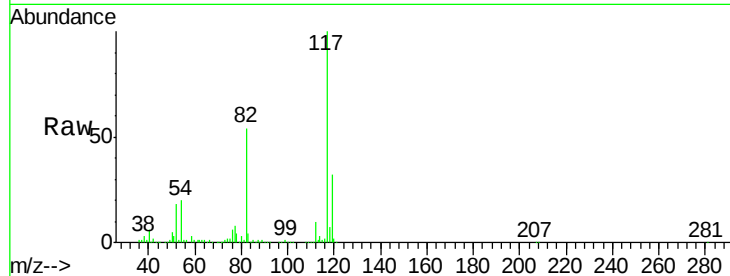




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

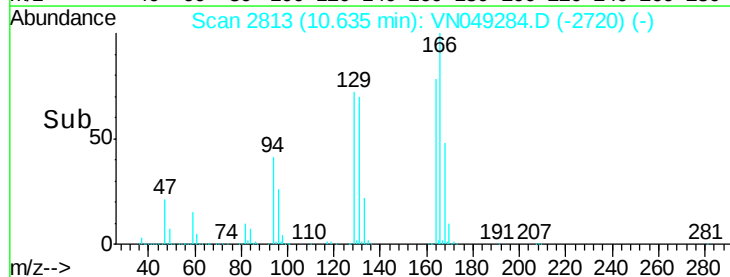
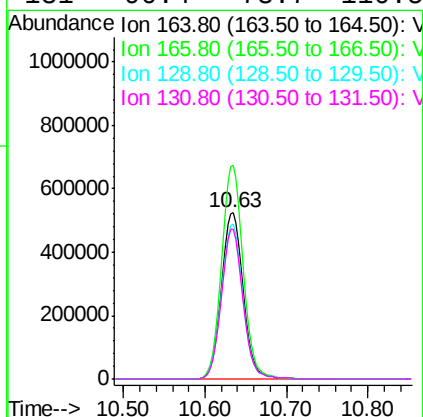
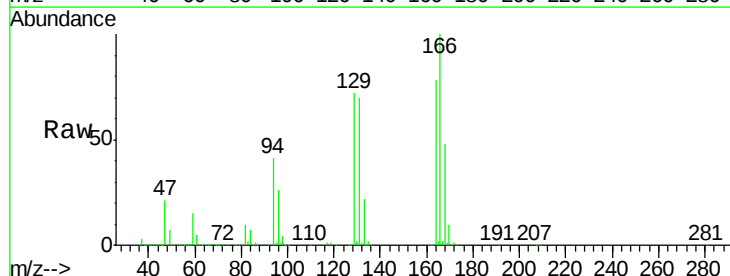
Instrument :
MSVOA_N
ClientSampled :

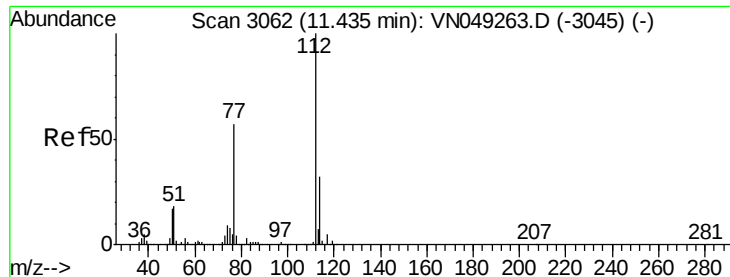
Tot Ion:117 Resp: 1978558
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 48.98 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion:164 Resp: 993111
Ion Ratio Lower Upper
164 100
166 128.8 101.4 152.2
129 93.2 74.1 111.1
131 90.4 73.7 110.5

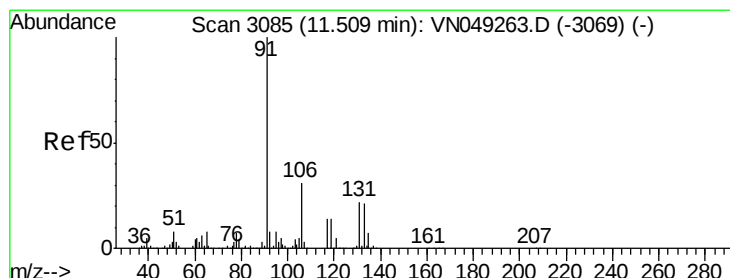
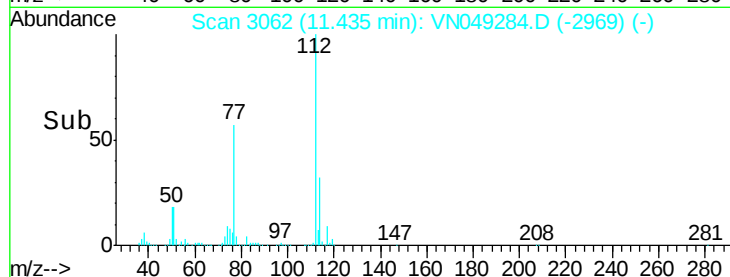
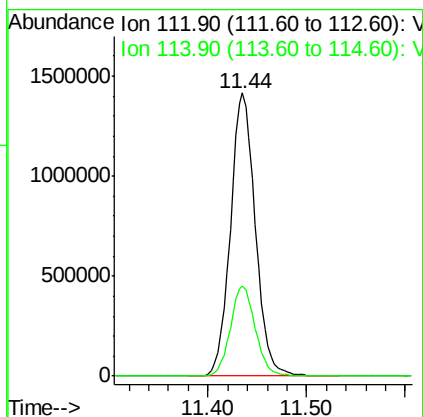
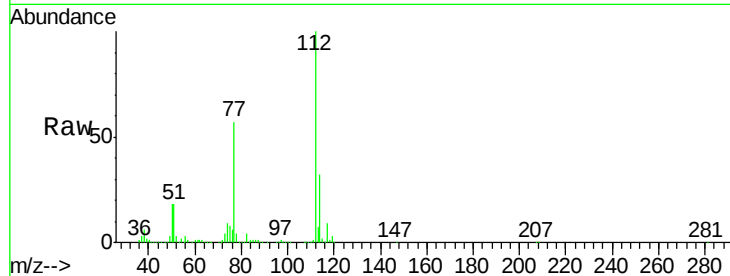




#65
Chlorobenzene
Concen: 48.88 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

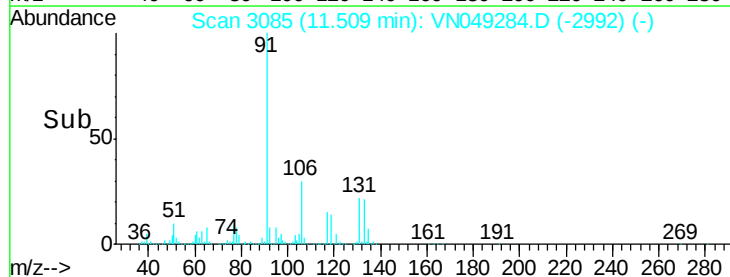
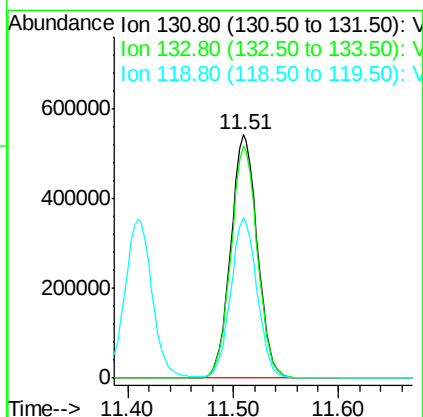
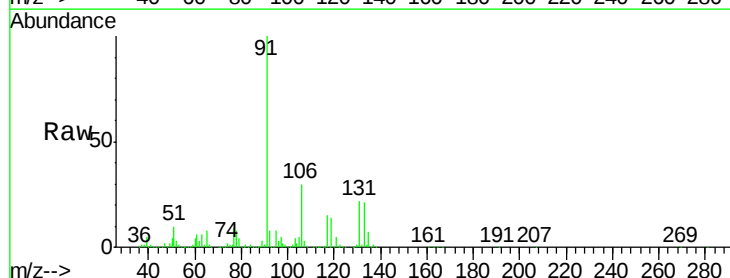
Instrument :
MSVOA_N
ClientSampleId :

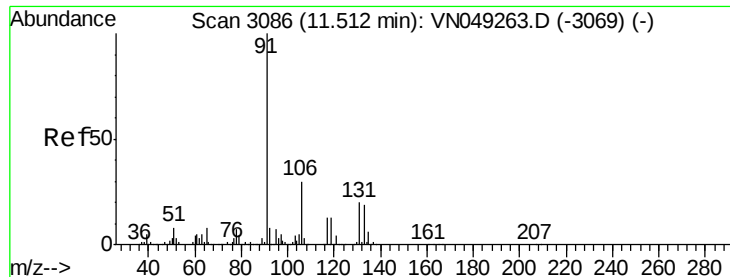
Tot Ion:112 Resp: 2491308
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.15 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion:131 Resp: 942818
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 65.5 33.6 100.8

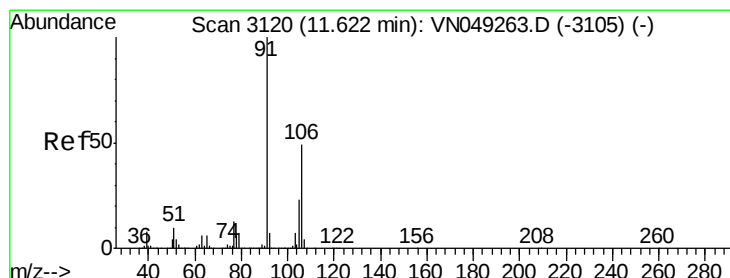
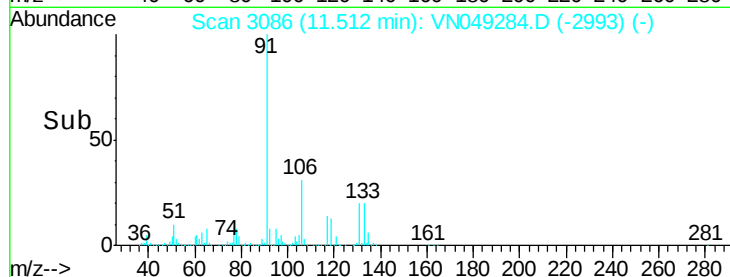
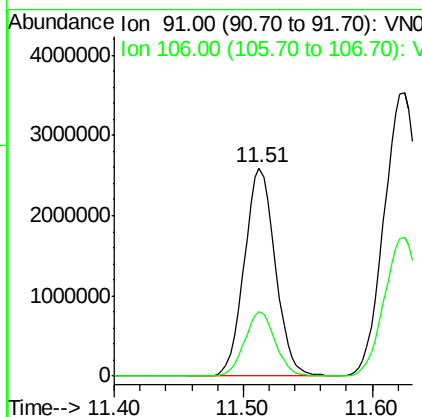
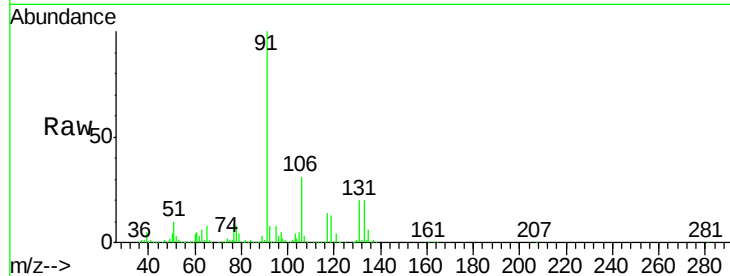




#67
Ethyl Benzene
Concen: 51.28 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

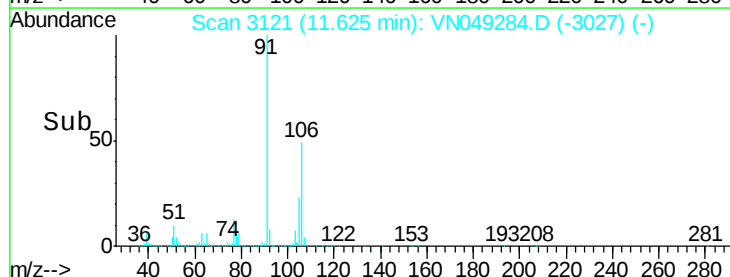
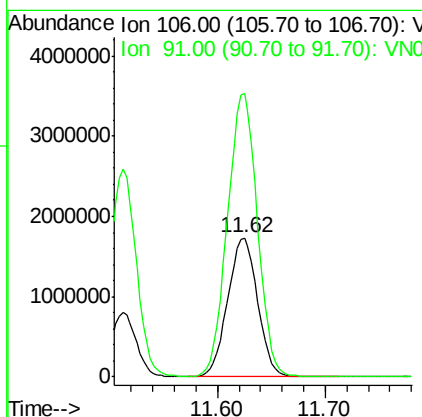
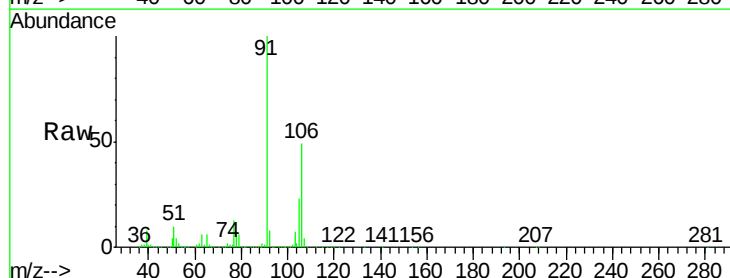
Instrument :
MSVOA_N
ClientSampled :

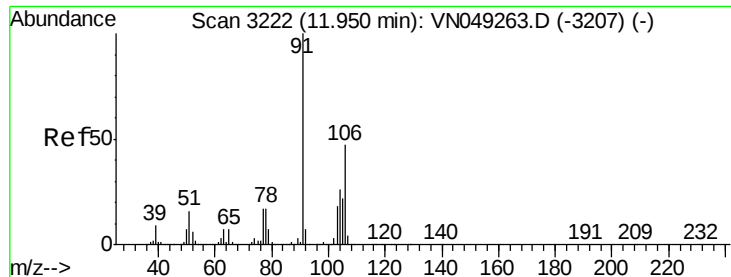
Tot Ion: 91 Resp: 4335082
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9



#68
m/p-Xylenes
Concen: 105.53 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 106 Resp: 3348182
Ion Ratio Lower Upper
106 100
91 204.0 167.3 250.9





#69

o-Xylene

Concen: 52.76 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

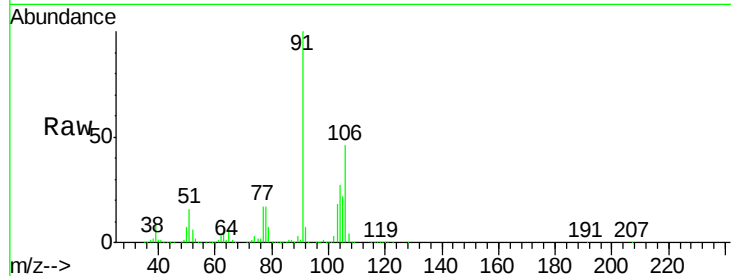
ClientSampled :

Tot Ion:106 Resp: 1612357

Ion Ratio Lower Upper

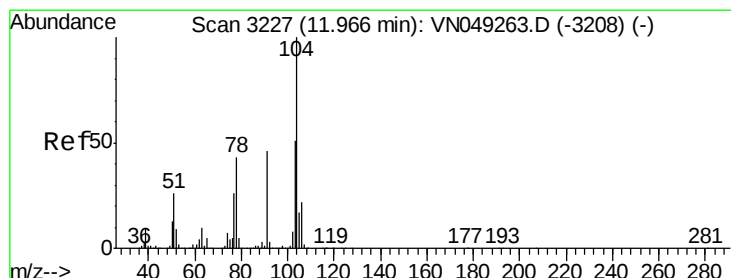
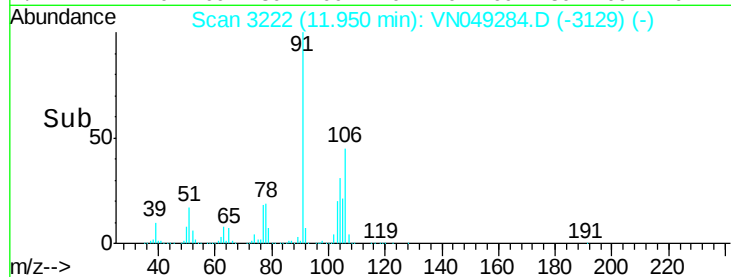
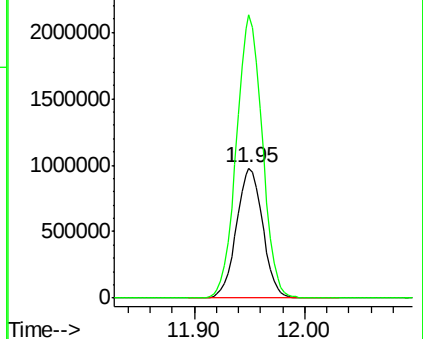
106 100

91 214.7 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 54.42 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

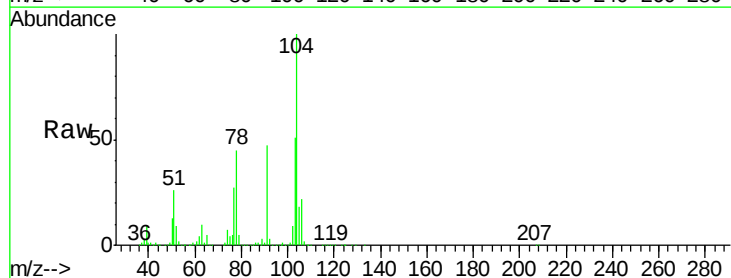
Tgt Ion:104 Resp: 2623642

Ion Ratio Lower Upper

104 100

78 49.4 41.6 62.4

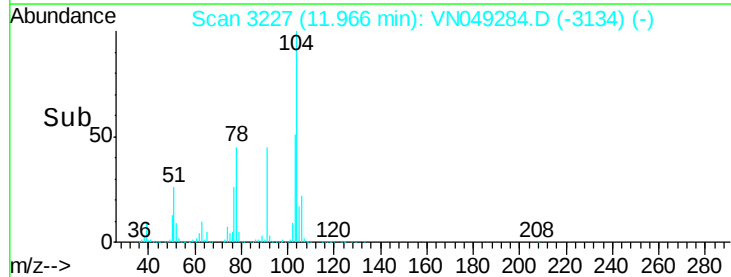
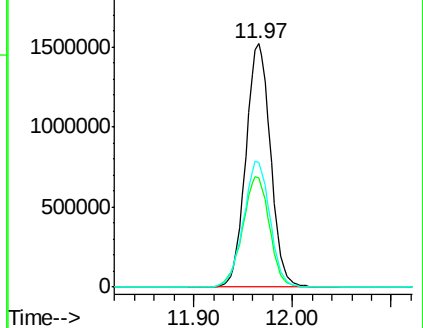
103 55.6 45.4 68.2

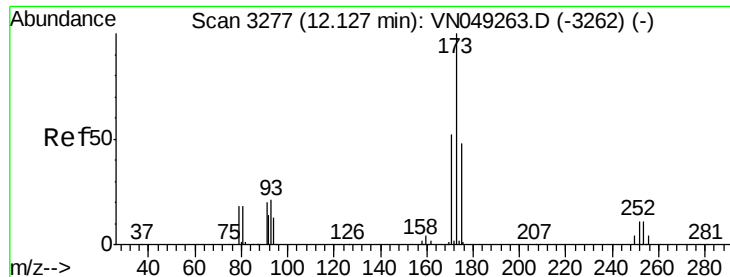


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.40 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

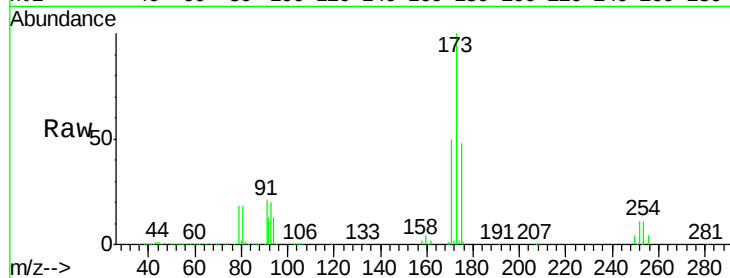
Tot Ion:173 Resp: 613353

Ion Ratio Lower Upper

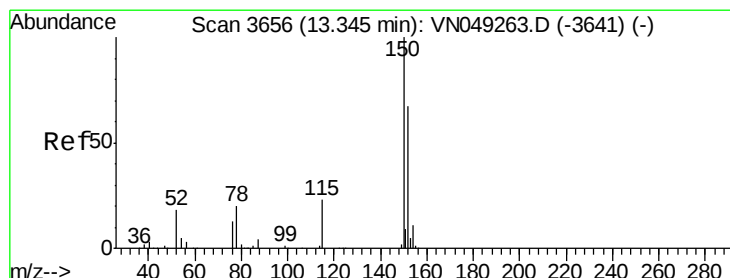
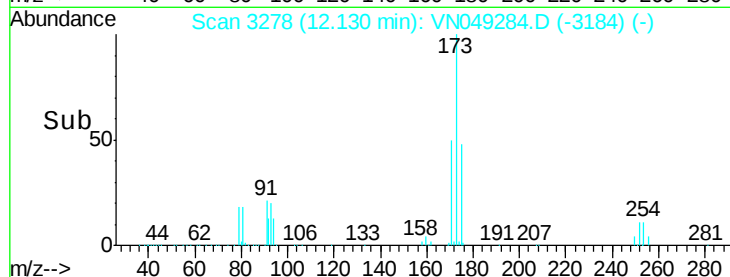
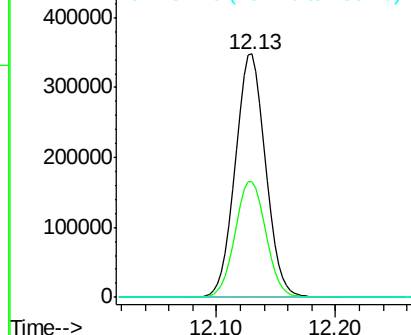
173 100

175 48.5 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

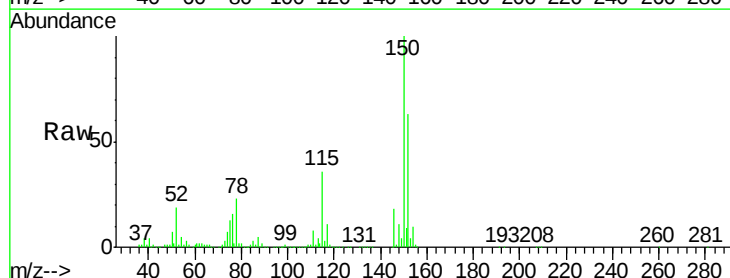
Tgt Ion:152 Resp: 1019940

Ion Ratio Lower Upper

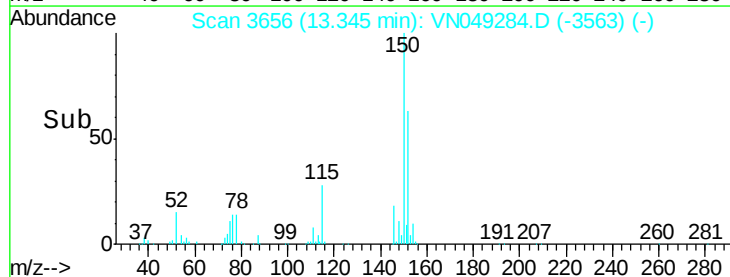
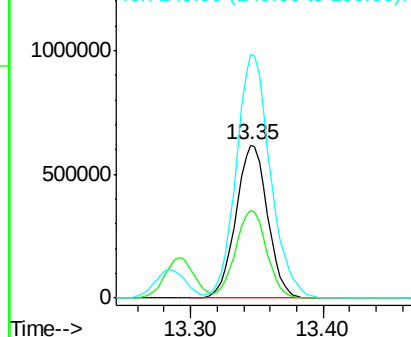
152 100

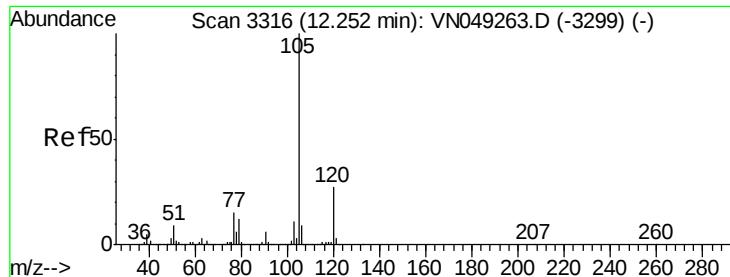
115 56.6 28.7 86.1

150 172.0 0.0 351.0



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





#73

Isopropylbenzene

Concen: 48.01 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

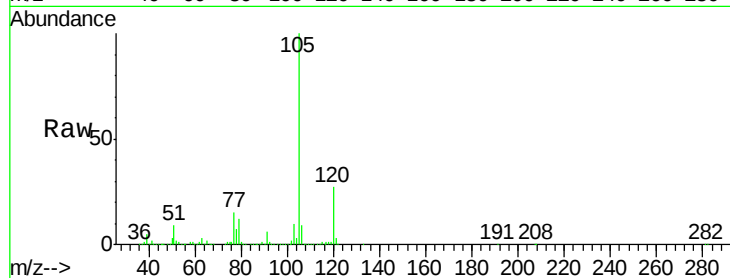
ClientSampleId :

Tot Ion:105 Resp: 4299791

Ion Ratio Lower Upper

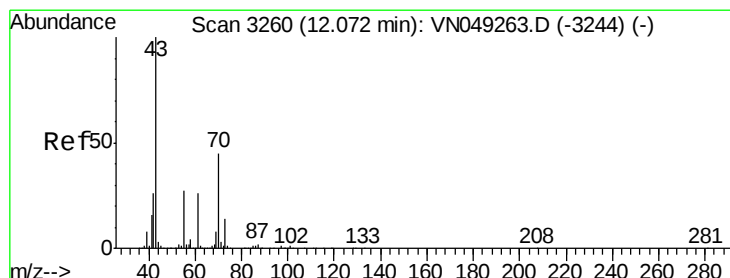
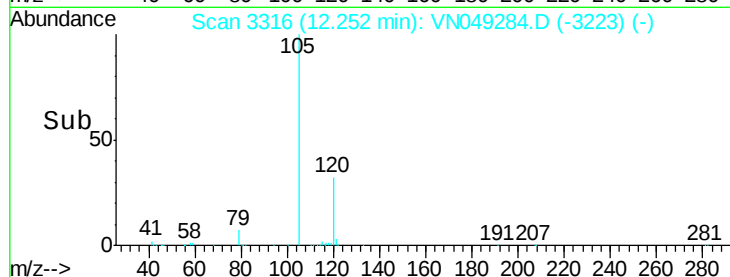
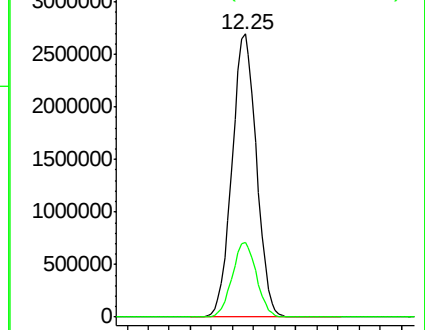
105 100

120 26.4 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: 45.68 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 43 Resp: 1001929

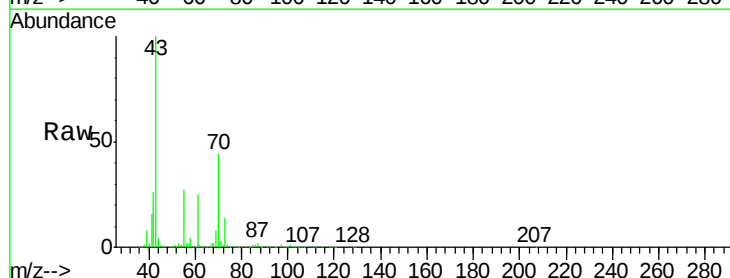
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 27.2 19.4 29.2

61 24.8 17.8 26.6

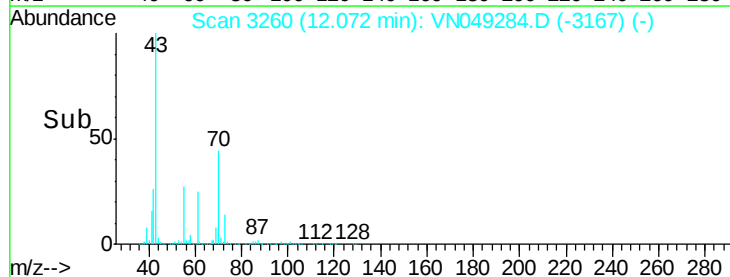
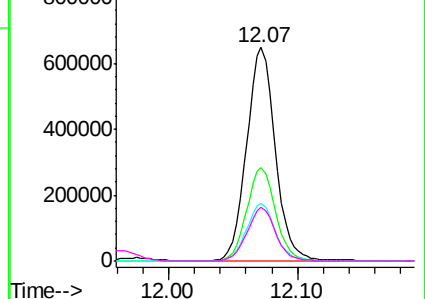


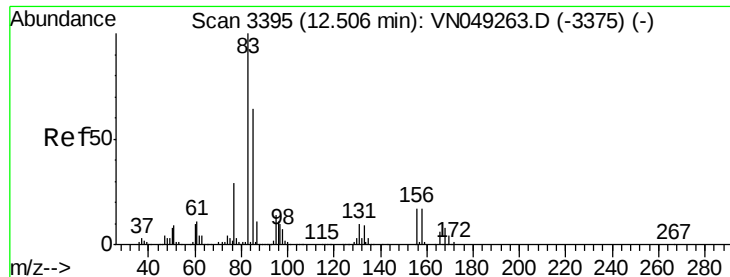
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.77 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

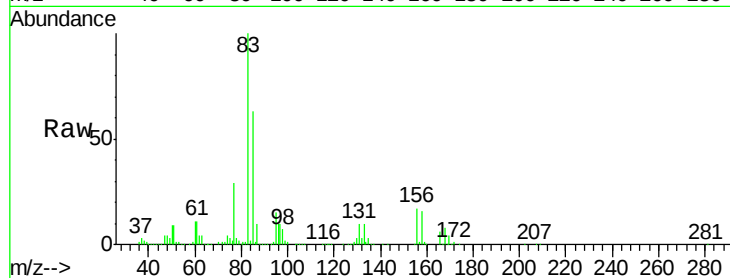
Tot Ion: 83 Resp: 934646

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

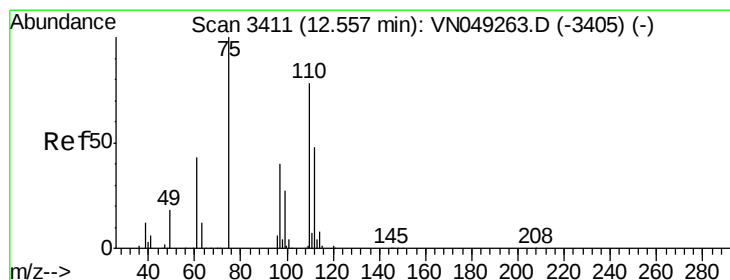
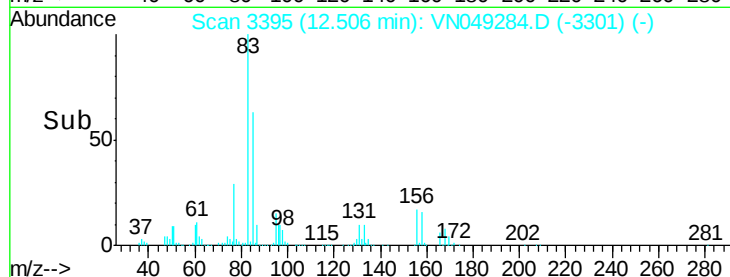
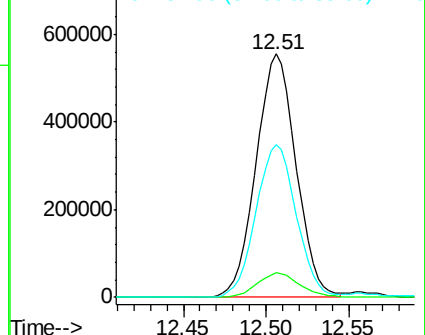
85 63.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 65.66 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049284.D

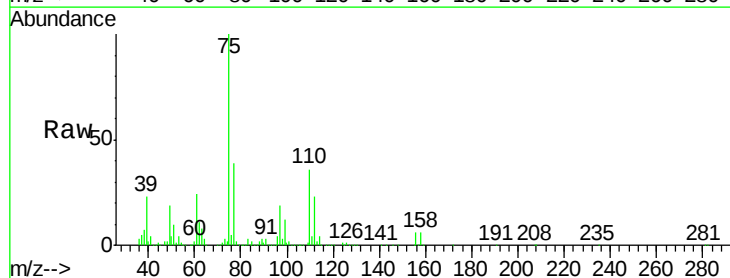
Acq: 16 Jun 2018 2:34

Tgt Ion: 75 Resp: 1142630

Ion Ratio Lower Upper

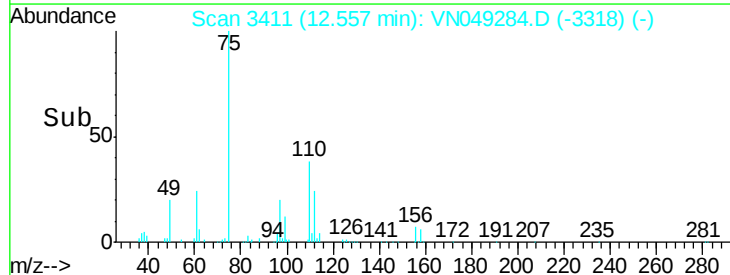
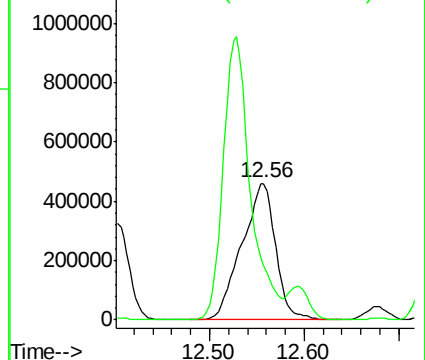
75 100

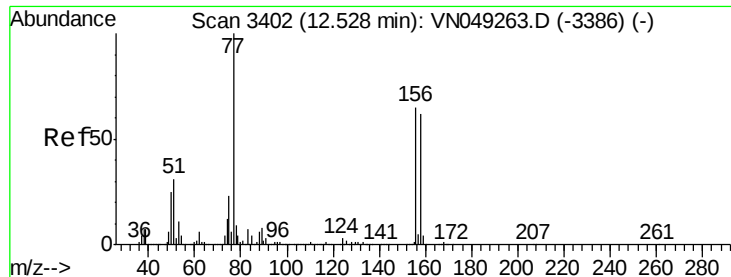
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 44.36 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

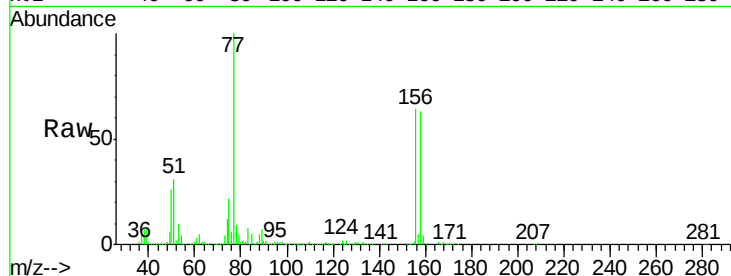
Tot Ion:156 Resp: 1049344

Ion	Ratio	Lower	Upper
156	100		
77	181.9	100.8	302.4
158	98.4	49.3	147.9

156 100

77 181.9 100.8 302.4

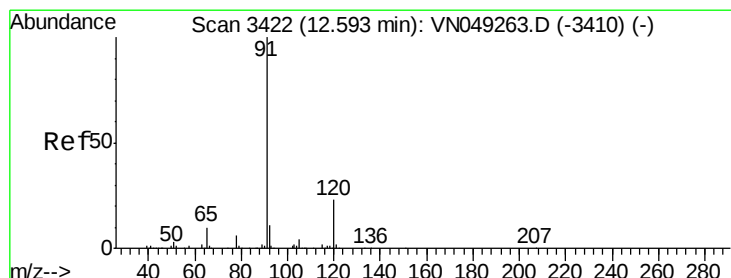
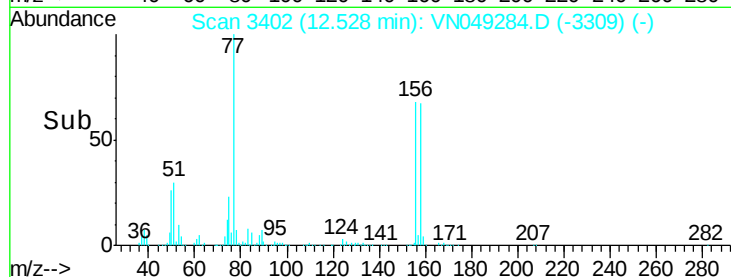
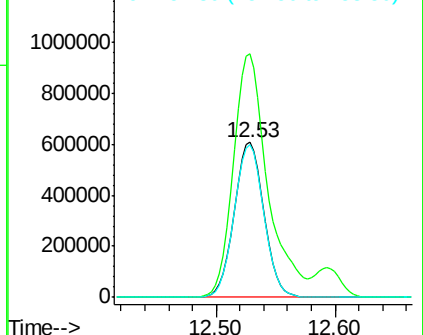
158 98.4 49.3 147.9



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: 49.40 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049284.D

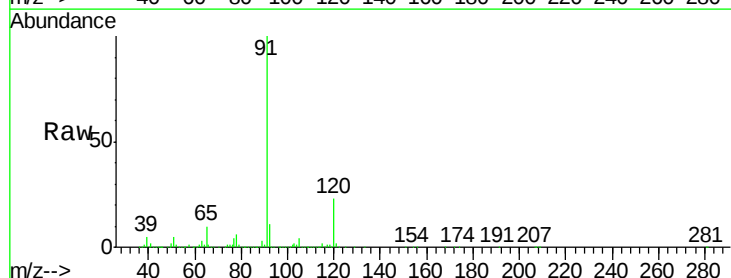
Acq: 16 Jun 2018 2:34

Tgt Ion: 91 Resp: 4857555

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5

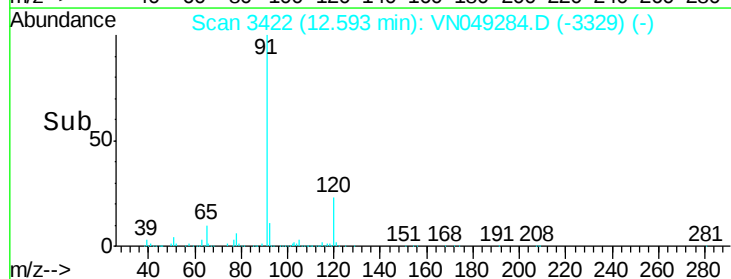
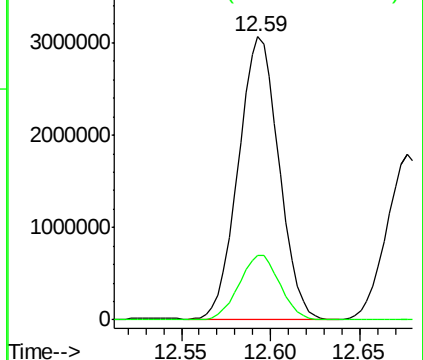
91 100

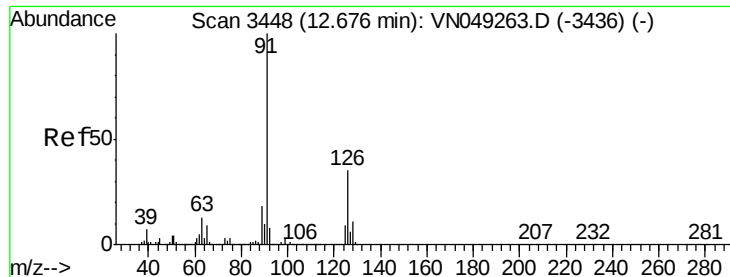
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.18 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

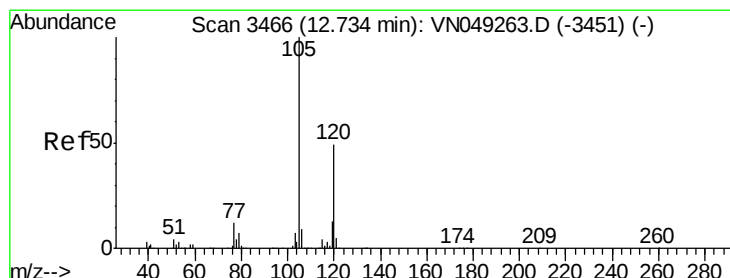
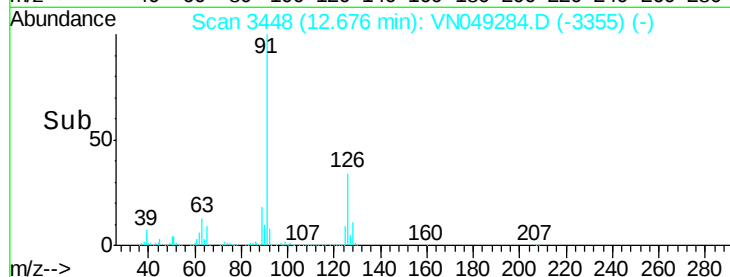
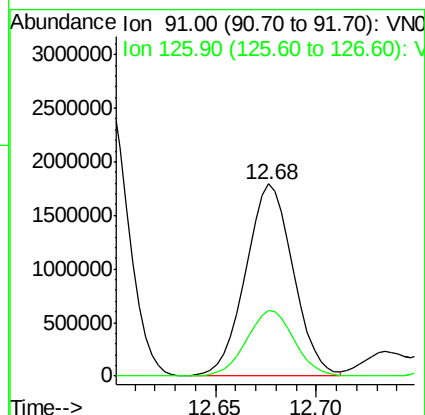
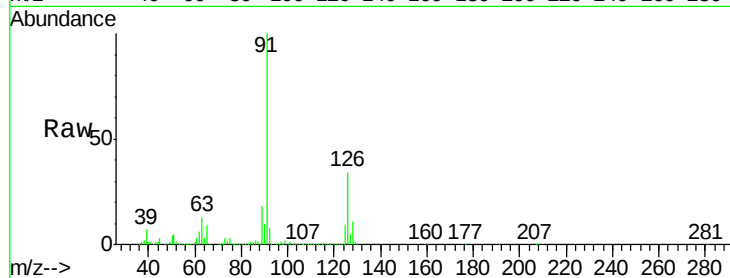
ClientSampleId :

Tot Ion: 91 Resp: 2939712

Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 49.94 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049284.D

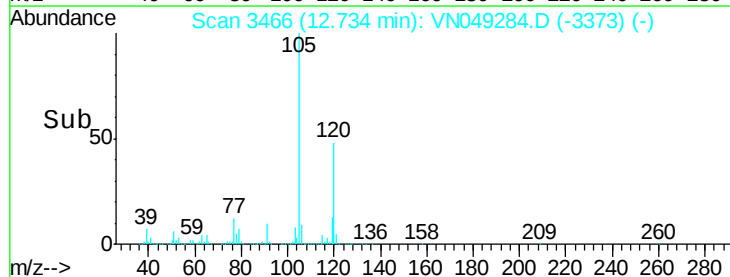
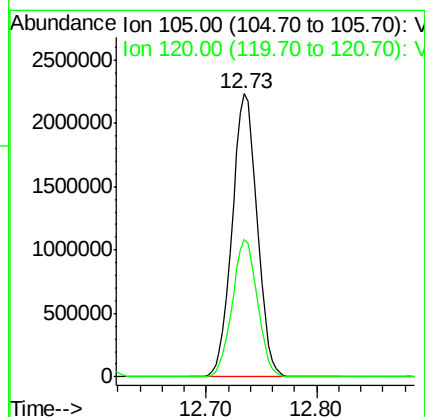
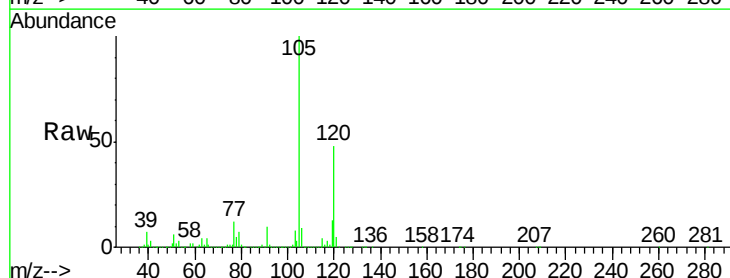
Acq: 16 Jun 2018 2:34

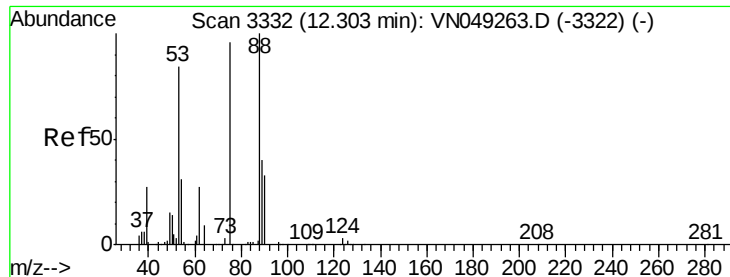
Tgt Ion: 105 Resp: 3515252

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 42.35 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

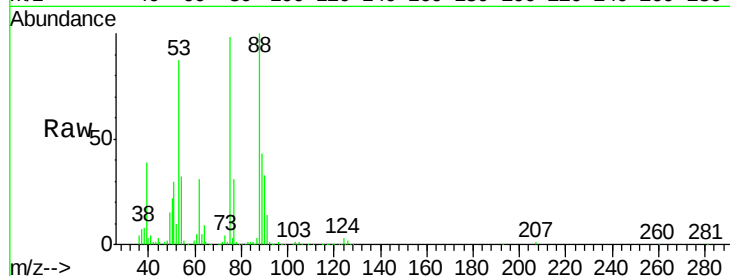
Tot Ion: 75 Resp: 233175

Ion Ratio Lower Upper

75 100

53 91.0 82.7 124.1

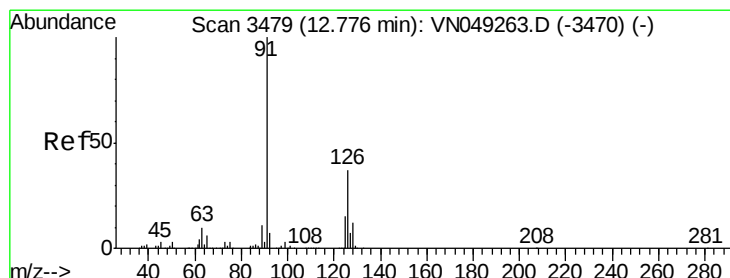
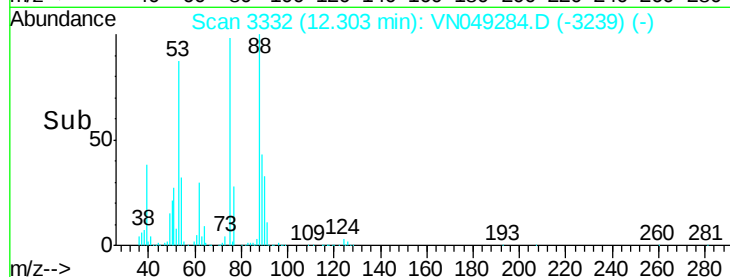
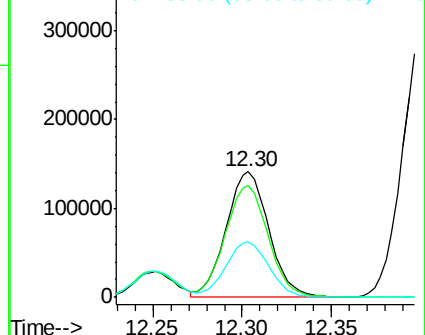
89 45.6 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.25 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049284.D

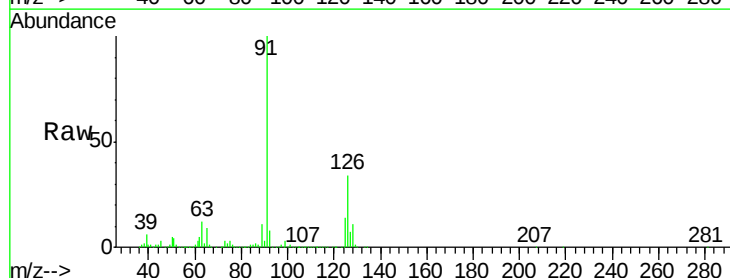
Acq: 16 Jun 2018 2:34

Tgt Ion: 91 Resp: 2900205

Ion Ratio Lower Upper

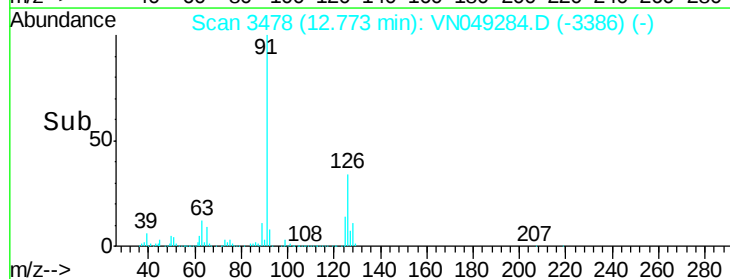
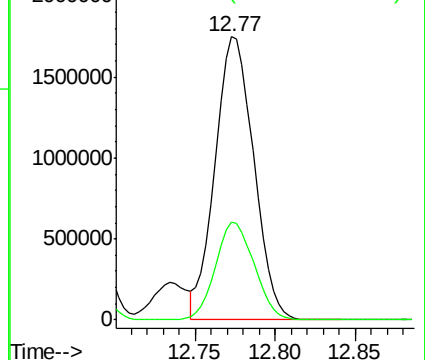
91 100

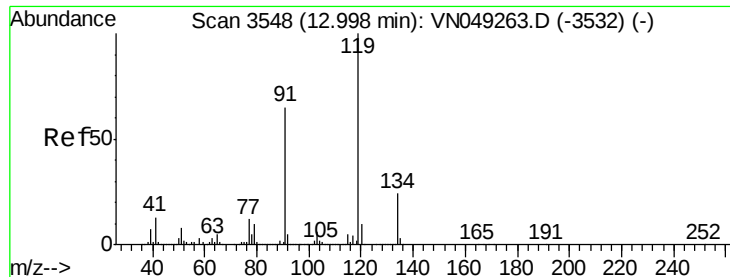
126 34.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.65 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

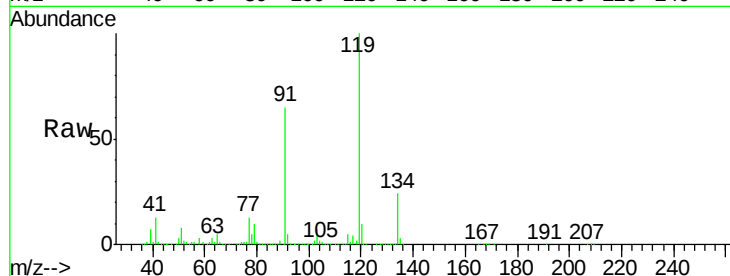
Tot Ion:119 Resp: 2971492

Ion Ratio Lower Upper

119 100

91 64.2 33.7 101.0

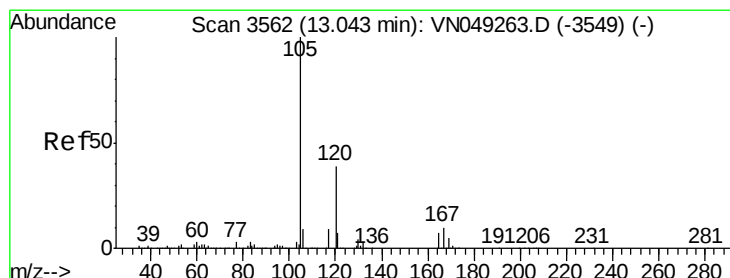
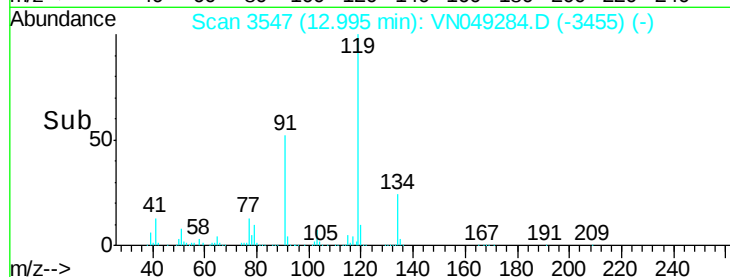
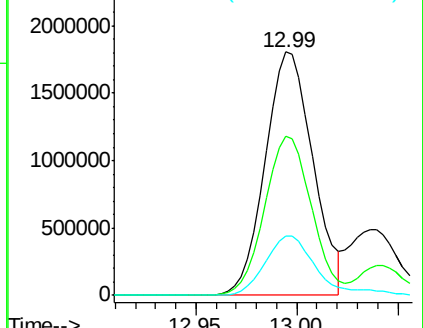
134 26.2 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.48 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049284.D

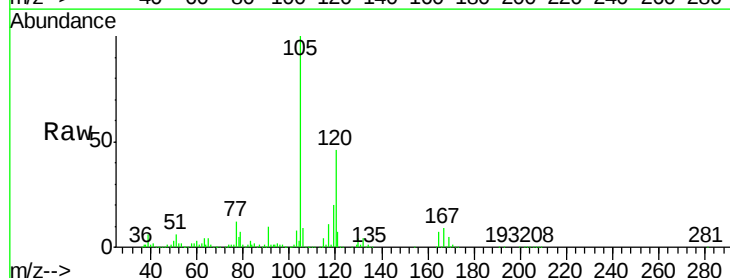
Acq: 16 Jun 2018 2:34

Tgt Ion:105 Resp: 3530120

Ion Ratio Lower Upper

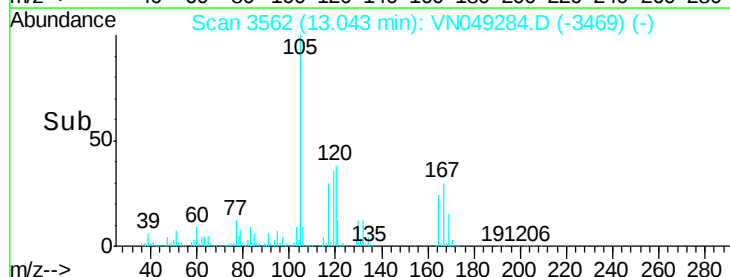
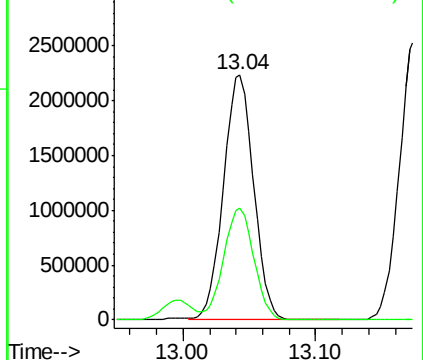
105 100

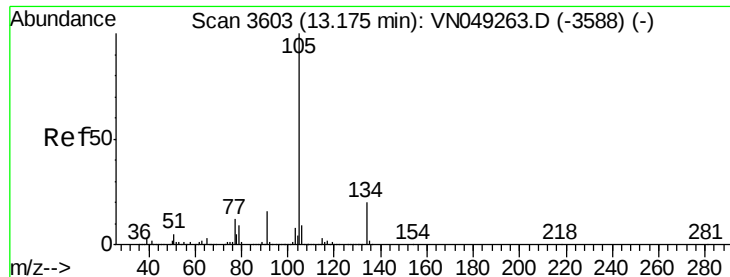
120 45.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.98 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

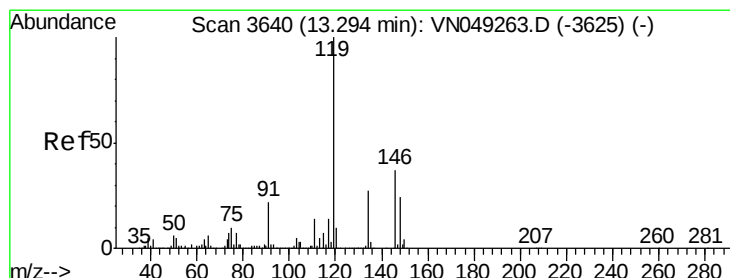
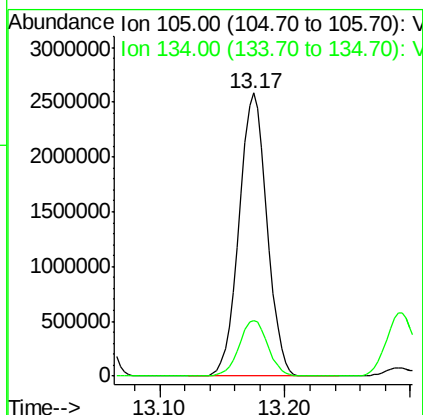
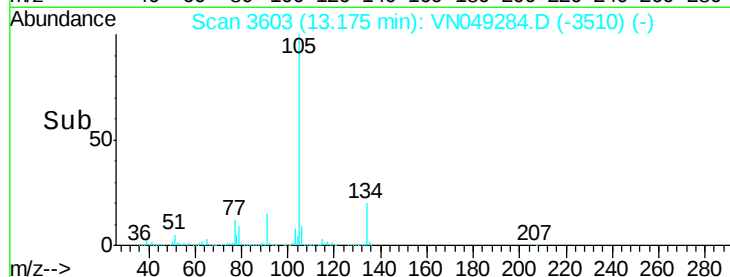
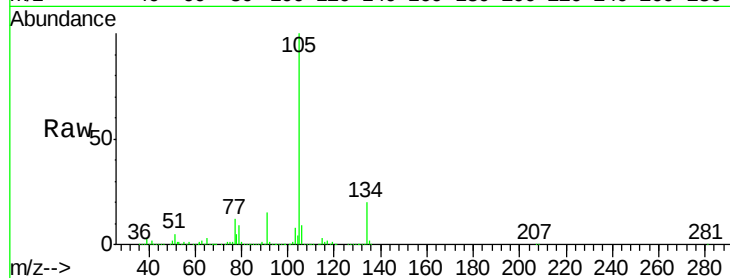
ClientSampled :

Tot Ion:105 Resp: 3982467

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.3



#86

p-Isopropyltoluene

Concen: 49.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

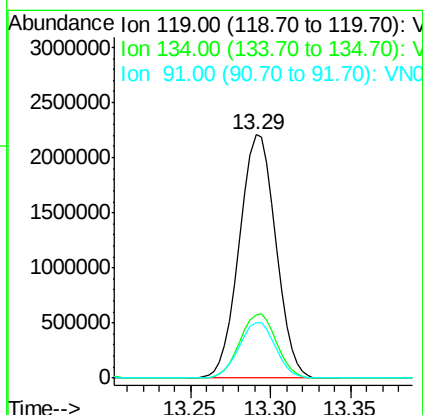
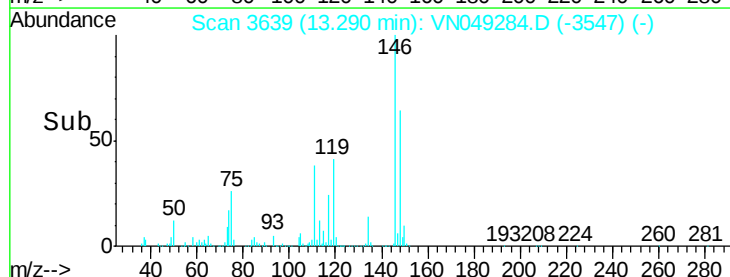
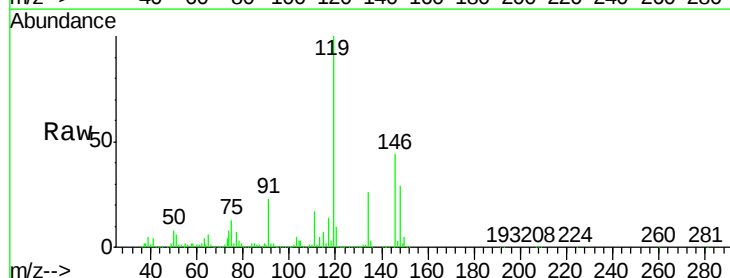
Tgt Ion:119 Resp: 3415810

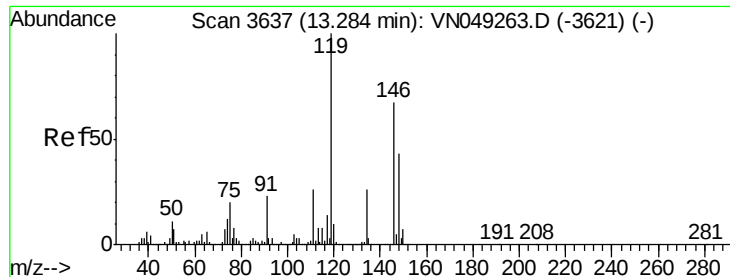
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 22.8 12.1 36.3

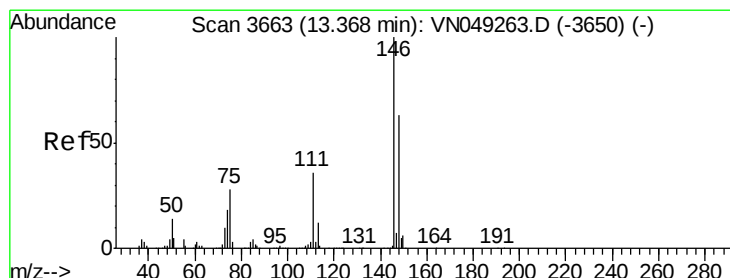
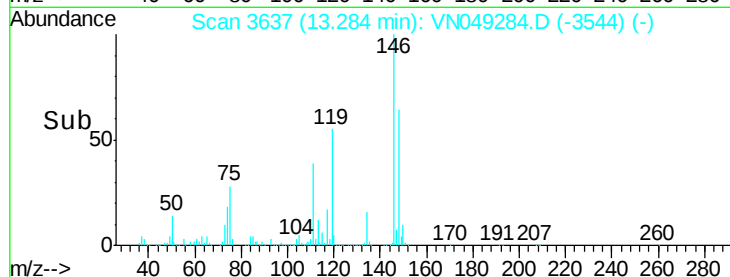
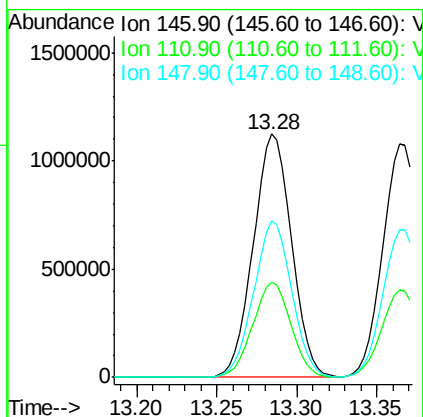
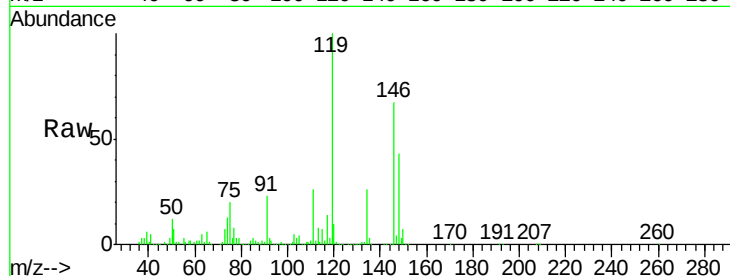




#87
 1,3-Dichlorobenzene
 Concen: 47.54 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

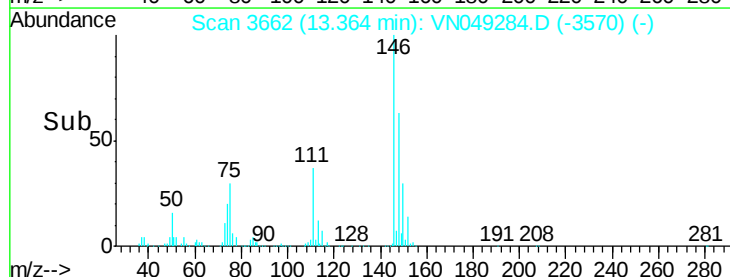
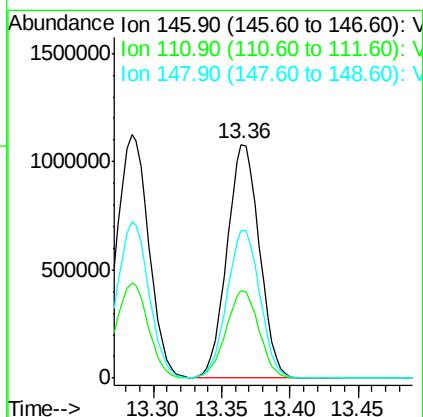
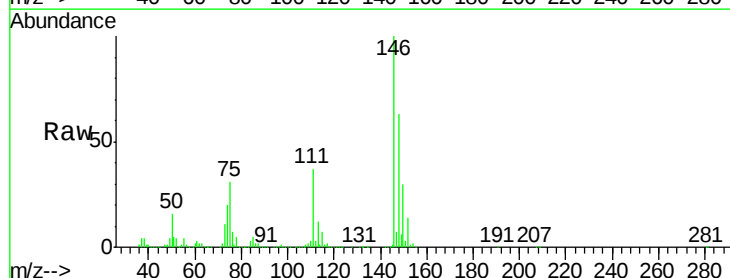
Instrument :
 MSVOA_N
 ClientSampleId :

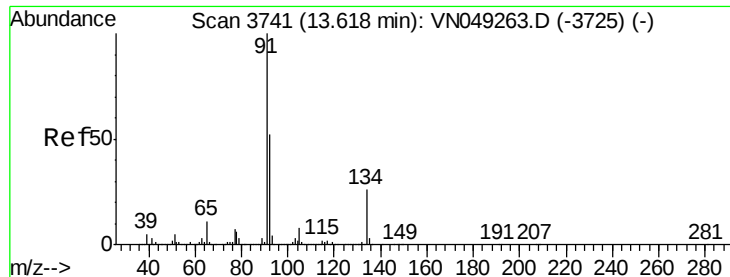
Tot Ion:146 Resp: 1850158
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.9 59.6
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.15 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion:146 Resp: 1779838
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 63.9 32.0 96.2

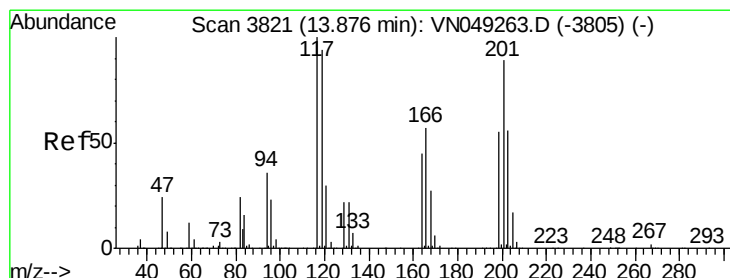
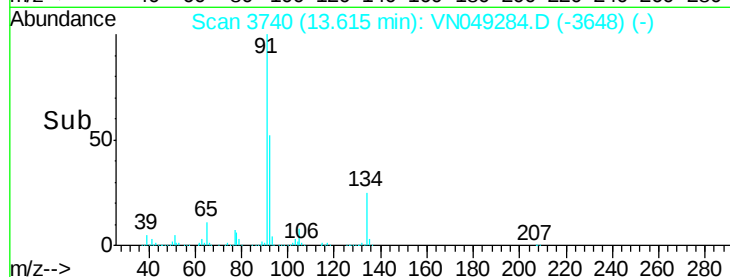
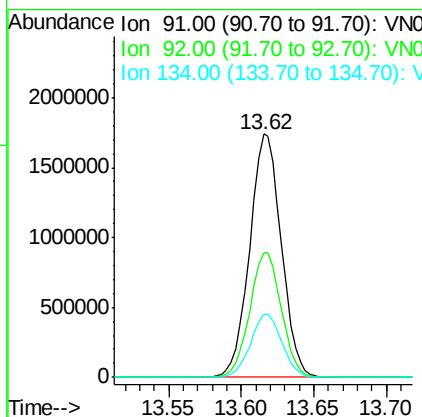
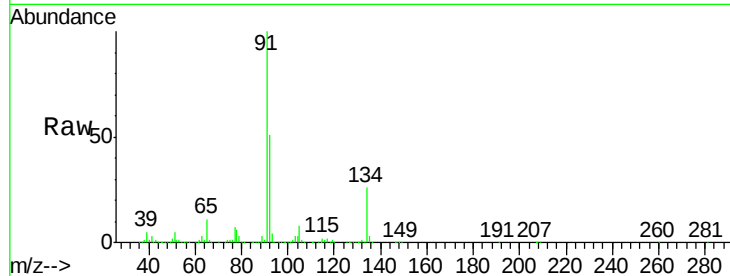




#89
n-Butylbenzene
Concen: 48.76 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

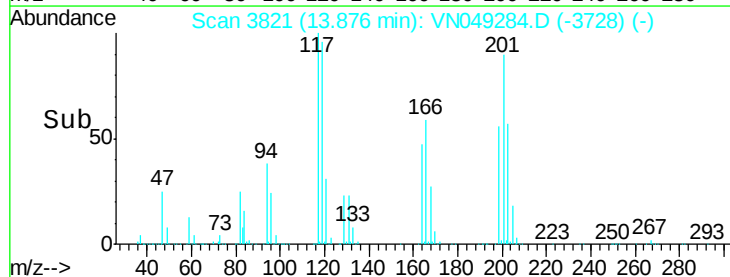
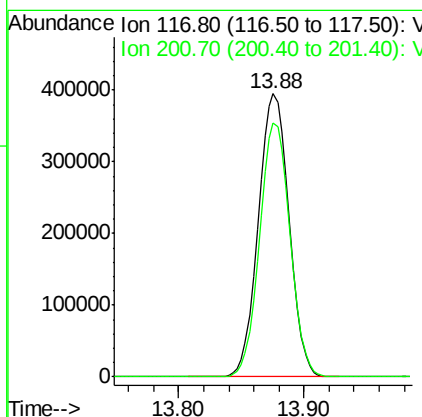
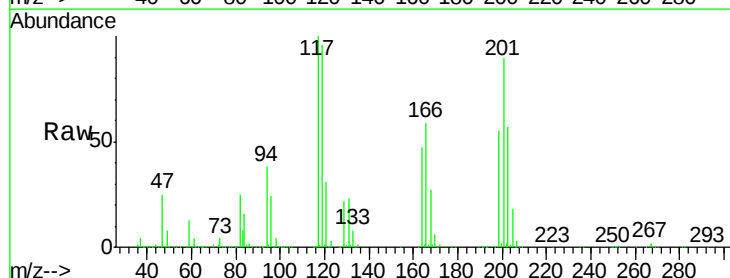
Instrument :
MSVOA_N
ClientSampled :

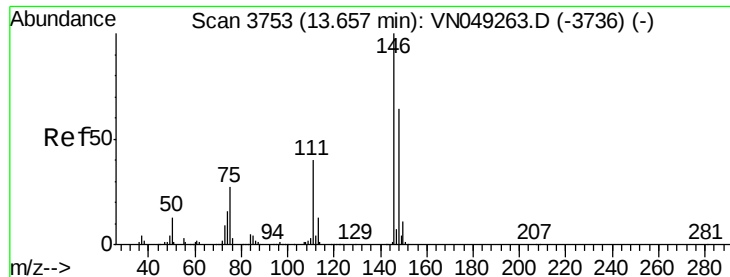
Tot Ion: 91 Resp: 2641139
Ion Ratio Lower Upper
91 100
92 51.4 25.1 75.4
134 26.0 12.0 36.0



#90
Hexachloroethane
Concen: 51.31 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 117 Resp: 672744
Ion Ratio Lower Upper
117 100
201 88.8 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 47.31 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

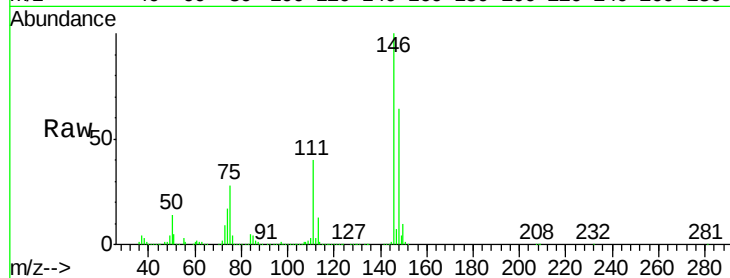
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1805527

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	63.7	32.0	96.2

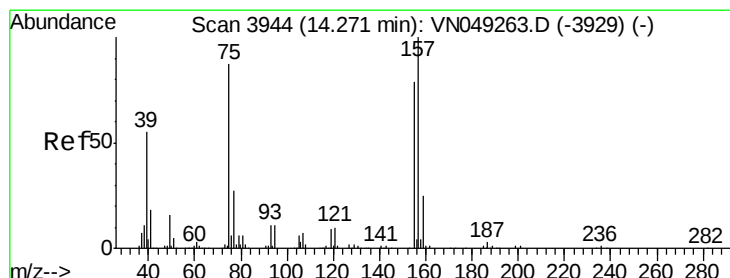
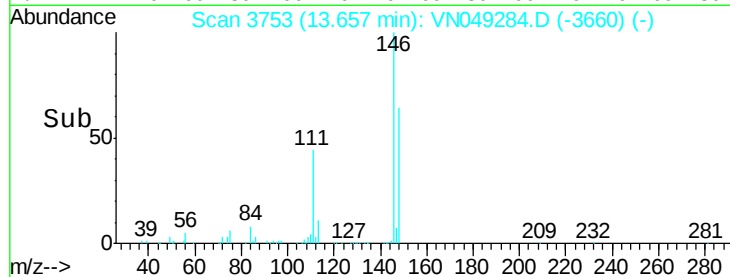


Abundance

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: 41.62 ug/l

RT: 14.27 min Scan# 3944

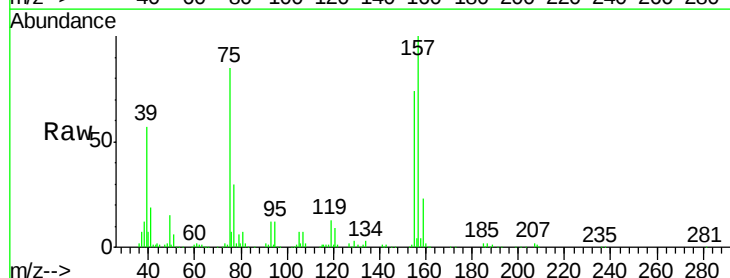
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 75 Resp: 129762

Ion	Ratio	Lower	Upper
75	100		
155	89.0	38.8	116.3
157	116.8	51.0	153.1

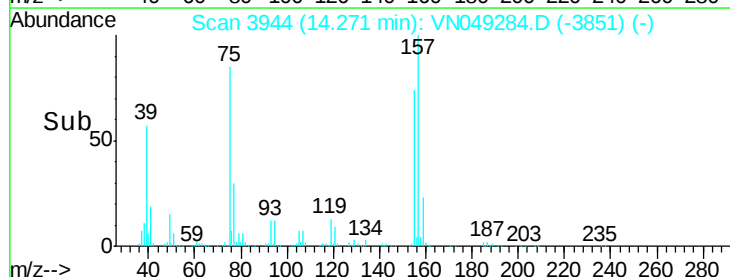


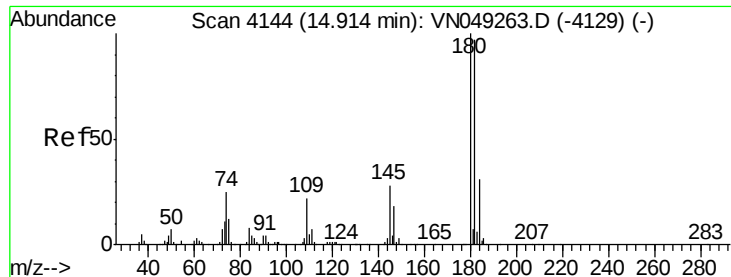
Abundance

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

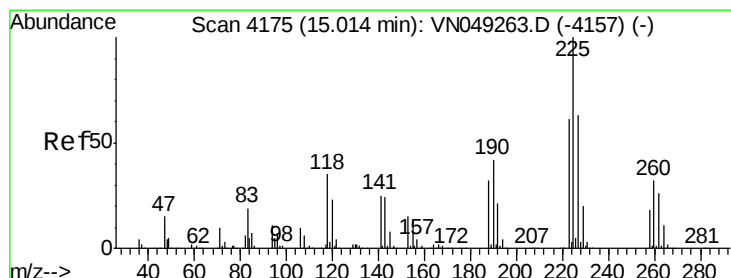
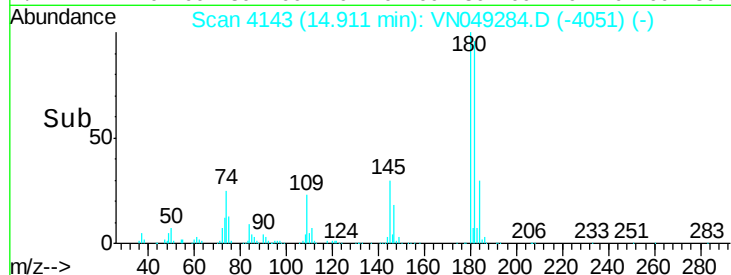
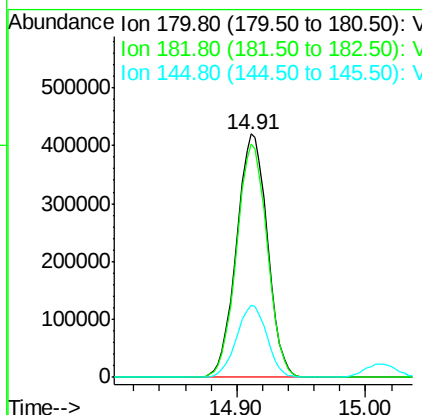
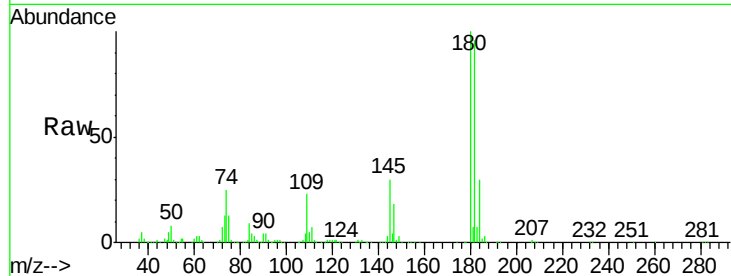




#93
 1,2,4-Trichlorobenzene
 Concen: 40.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

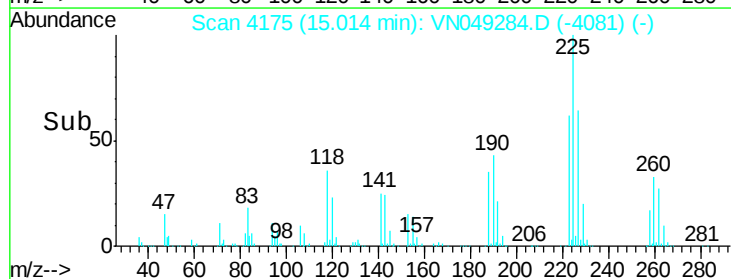
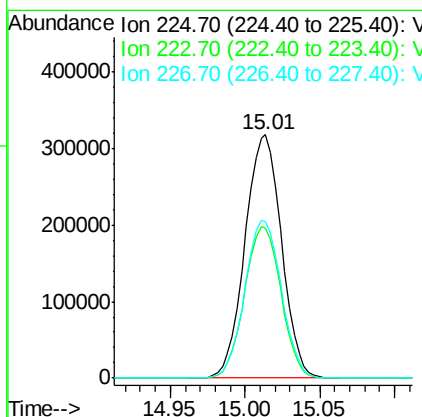
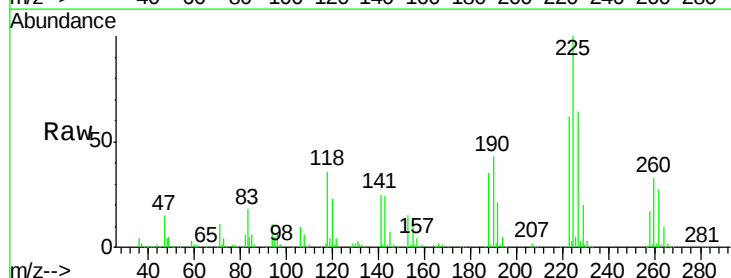
Instrument :
 MSVOA_N
 ClientSampled :

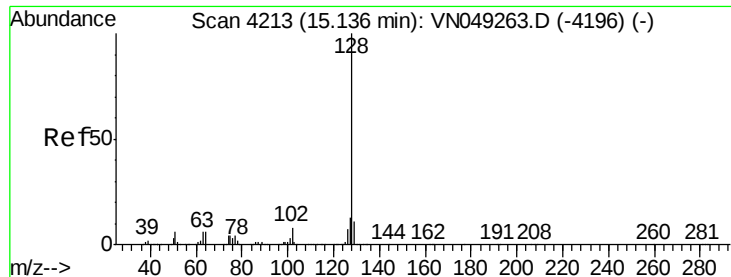
Tot Ion:180 Resp: 698245
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.8
 145 29.1 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 48.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion:225 Resp: 540030
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.1 96.3
 227 64.7 31.8 95.3





#95

Naphthalene

Concen: 43.63 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

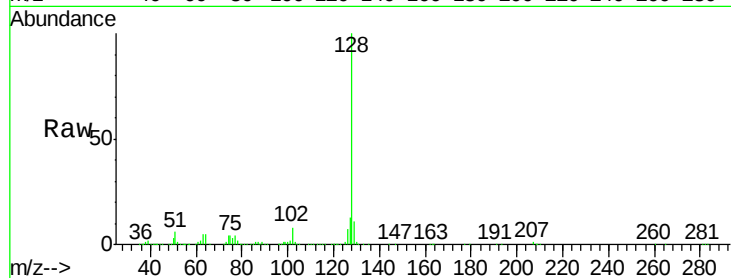
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1322128

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.5	12.7

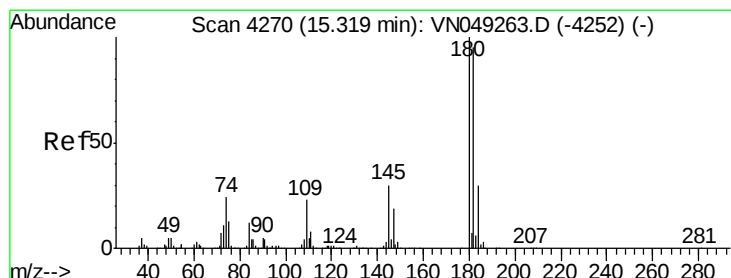
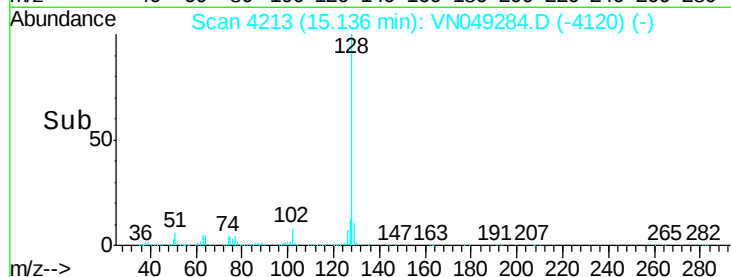
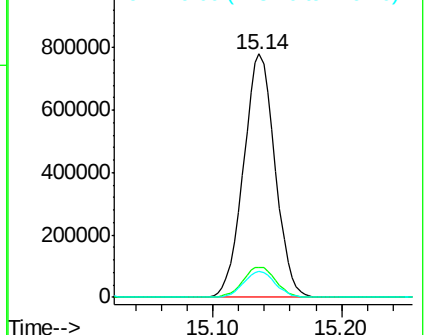


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.62 ug/l

RT: 15.32 min Scan# 4269

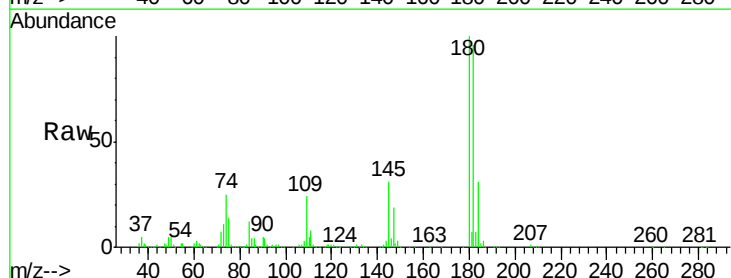
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion:180 Resp: 719480

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	30.5	15.6	46.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

