

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049435.D
 Acq On : 20 Jun 2018 13:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:26:40 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	1605304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2331143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2161959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1119456	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	985263	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	7.59	113	892382	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.09	98	3387029	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	1177701	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	863552	46.74	ug/l	100
3) Chloromethane	2.06	50	1045840	43.83	ug/l	97
4) Vinyl Chloride	2.18	62	1151794	45.42	ug/l	100
5) Bromomethane	2.56	94	569685	42.74	ug/l	97
6) Chloroethane	2.70	64	719100	47.56	ug/l	100
7) Trichlorofluoromethane	3.01	101	1513645	47.85	ug/l	97
8) Diethyl Ether	3.41	74	521173	47.19	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	946017	47.15	ug/l	94
10) Methyl Iodide	3.95	142	1135373	54.36	ug/l	91
11) Tert butyl alcohol	4.79	59	287598	230.14	ug/l	97
12) 1,1-Dichloroethene	3.73	96	853302	46.36	ug/l	92
13) Acrolein	3.61	56	437445	333.80	ug/l	98
14) Allyl chloride	4.32	41	1398851	48.13	ug/l	89
15) Acrylonitrile	4.99	53	1512943	242.12	ug/l	98
16) Acetone	3.82	43	1283239	248.22	ug/l	91
17) Carbon Disulfide	4.05	76	2553454	44.26	ug/l	100
18) Methyl Acetate	4.33	43	761189	48.29	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2325370	49.55	ug/l	100
20) Methylene Chloride	4.55	84	987273	45.73	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	914134	46.91	ug/l	92
22) Diisopropyl ether	5.95	45	2902859	50.02	ug/l	96
23) Vinyl Acetate	5.90	43	9679414	255.83	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1731756	46.62	ug/l	99
25) 2-Butanone	6.84	43	1753552	252.61	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1467137	48.91	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1043616	48.17	ug/l	92
28) Bromochloromethane	7.19	49	779916	47.36	ug/l	85
29) Tetrahydrofuran	7.21	42	1107055	247.75	ug/l	94
30) Chloroform	7.37	83	1754630	47.46	ug/l	100
31) Cyclohexane	7.65	56	1546404	49.10	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1498924	47.52	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1364834	51.08	ug/l	98
37) Ethyl Acetate	6.93	43	764341	52.62	ug/l	97
38) Carbon Tetrachloride	7.77	117	1357551	49.08	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1478258	51.54	ug/l	96
40) Benzene	8.04	78	4026338	49.16	ug/l	99
41) Methacrylonitrile	7.17	41	368674	46.95	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1233960	48.76	ug/l	97
43) Isopropyl Acetate	8.17	43	1472603	53.06	ug/l	98
44) Trichloroethene	8.84	130	1072485	49.58	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1055791	49.23	ug/l	100
46) Dibromomethane	9.21	93	610242	49.07	ug/l	91
47) Bromodichloromethane	9.40	83	1344173	49.19	ug/l	97
48) Methyl methacrylate	9.20	41	673426	51.53	ug/l	87
49) 1,4-Dioxane	9.20	88	181150	1004.34	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3786861	260.36	ug/l	94
52) Toluene	10.16	92	2492607	51.85	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1365193	52.22	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1577479	51.10	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	876805	48.92	ug/l	98
56) Ethyl methacrylate	10.43	69	1117948	54.07	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1484395	50.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1493758	204.83	ug/l	95
59) 2-Hexanone	10.75	43	2567522	273.81	ug/l	93
60) Dibromochloromethane	10.90	129	1007409	50.36	ug/l	98
61) 1,2-Dibromoethane	11.01	107	848276	50.92	ug/l	99
64) Tetrachloroethene	10.63	164	1132001	51.10	ug/l	98
65) Chlorobenzene	11.44	112	2716874	48.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1009969	48.19	ug/l	99
67) Ethyl Benzene	11.51	91	4772091	51.66	ug/l	98
68) m/p-Xylenes	11.62	106	3675872	106.03	ug/l	97
69) o-Xylene	11.95	106	1756826	52.61	ug/l	95
70) Styrene	11.97	104	2901376	55.08	ug/l	97
71) Bromoform	12.13	173	674952	49.75	ug/l #	99
73) Isopropylbenzene	12.25	105	4707193	47.89	ug/l	98
74) N-amyl acetate	12.07	43	1198038	49.76	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	995725	49.21	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1313242	68.75	ug/l #	100
77) Bromobenzene	12.53	156	1167576	44.97	ug/l	90
78) n-propylbenzene	12.59	91	5423824	50.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	3198237	46.77	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3875782	50.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	290475	48.06	ug/l	92
82) 4-Chlorotoluene	12.77	91	3228723	48.94	ug/l	98
83) tert-Butylbenzene	12.99	119	3225198	47.12	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3930893	51.22	ug/l	99
85) sec-Butylbenzene	13.17	105	4398725	48.29	ug/l	98
86) p-Isopropyltoluene	13.29	119	3853670	50.63	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2056211	48.14	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2023342	47.80	ug/l	99
89) n-Butylbenzene	13.62	91	3117598	52.44	ug/l	97
90) Hexachloroethane	13.88	117	717587	49.81	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1995709	47.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	154830	45.25	ug/l	89

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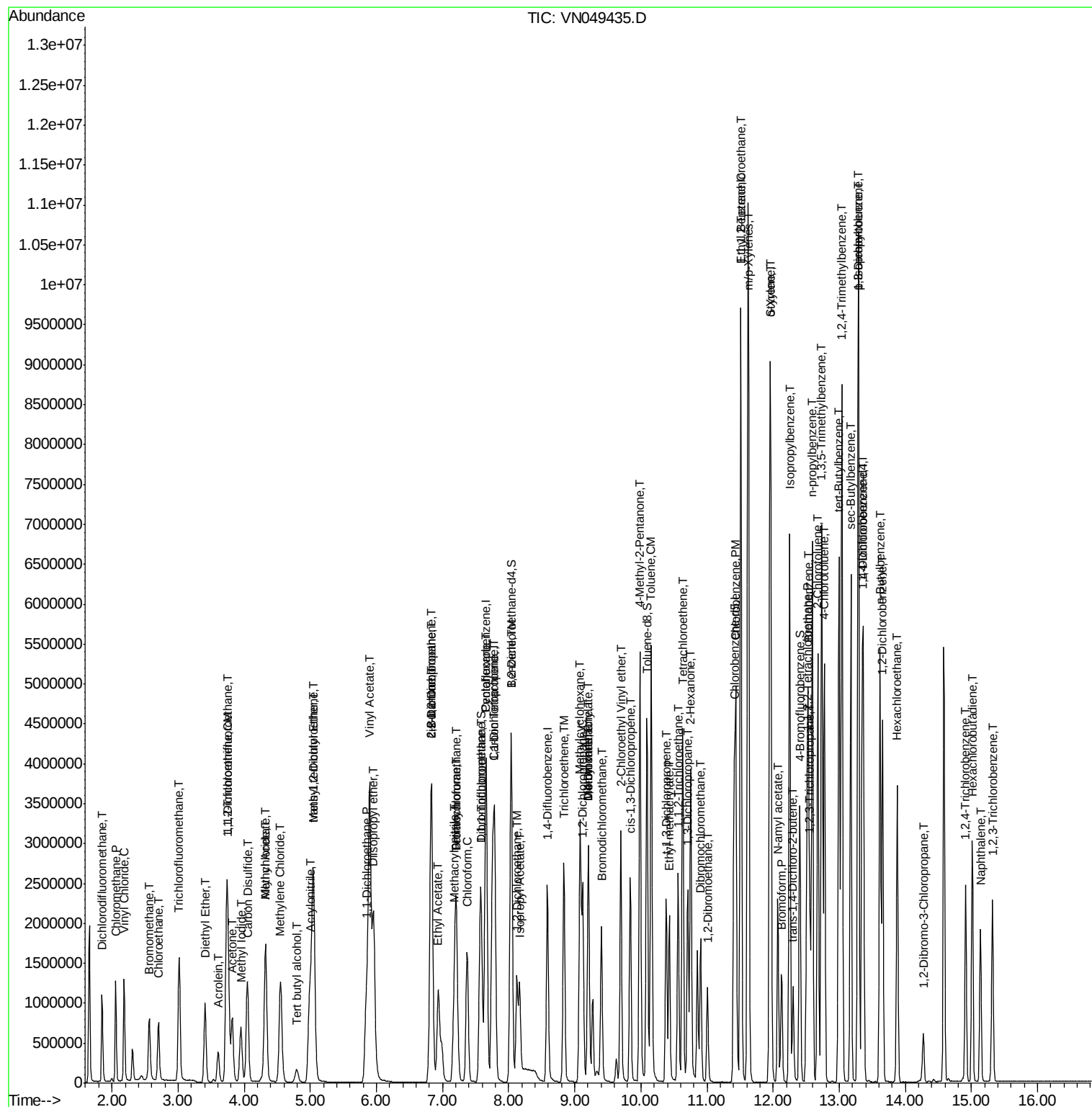
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	852625	44.94	ug/l	98
94) Hexachlorobutadiene	15.01	225	644599	52.76	ug/l	98
95) Naphthalene	15.14	128	1656437	48.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	856556	45.94	ug/l	99

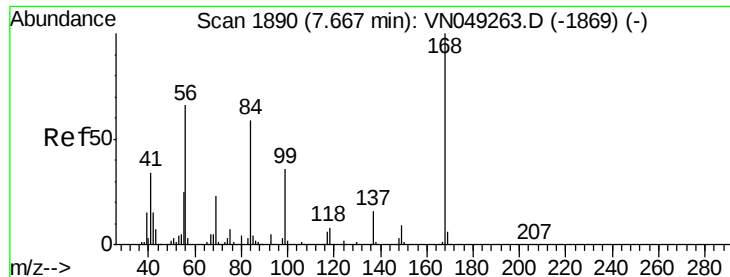
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

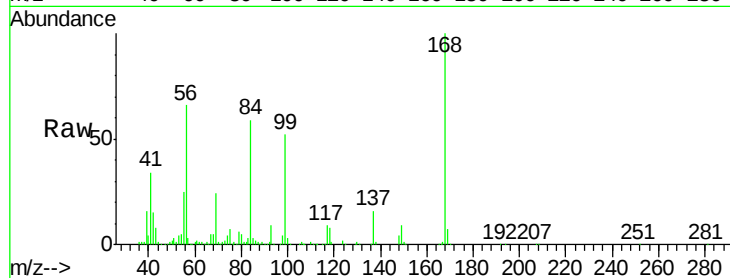
ClientSampleId :

Tot Ion:168 Resp: 1605304

Ion Ratio Lower Upper

168 100

99 51.7 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

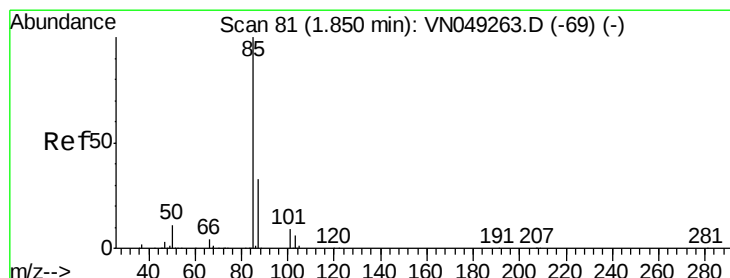
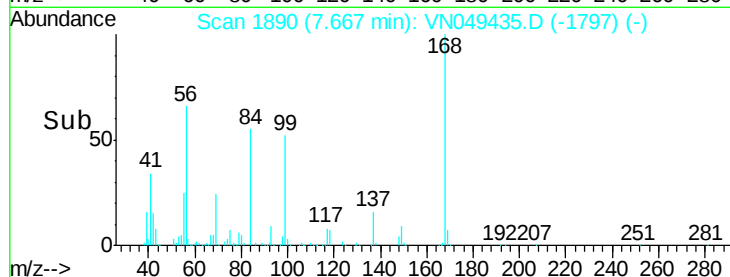
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 46.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049435.D

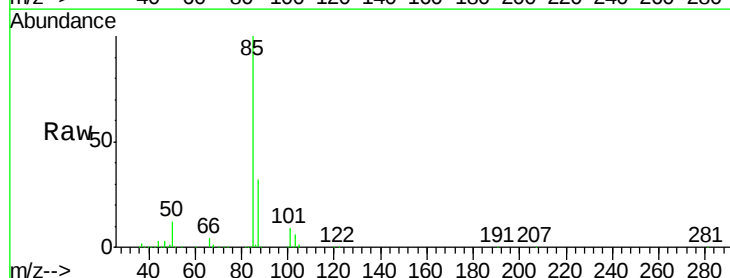
Acq: 20 Jun 2018 13:48

Tgt Ion: 85 Resp: 863552

Ion Ratio Lower Upper

85 100

87 32.5 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

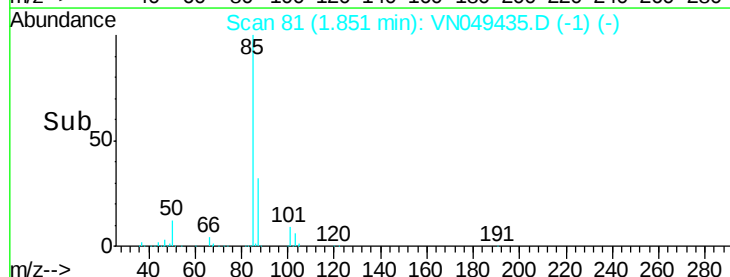
600000

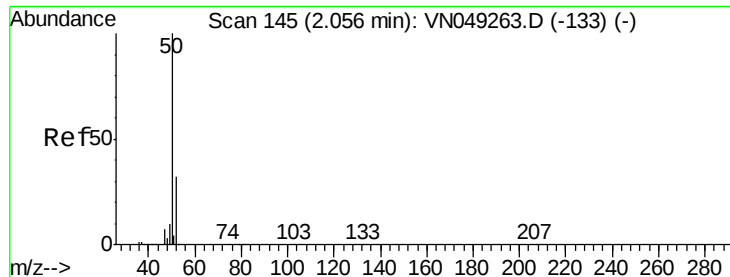
400000

200000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 43.83 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

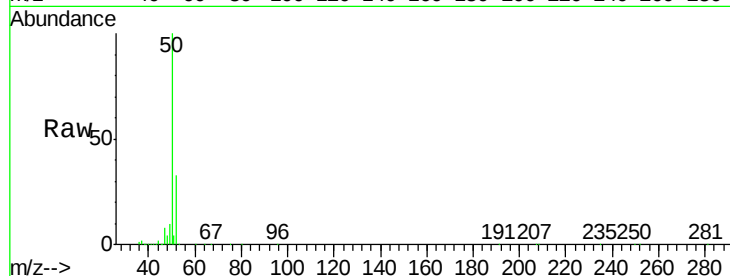
ClientSampled :

Tot Ion: 50 Resp: 1045840

Ion Ratio Lower Upper

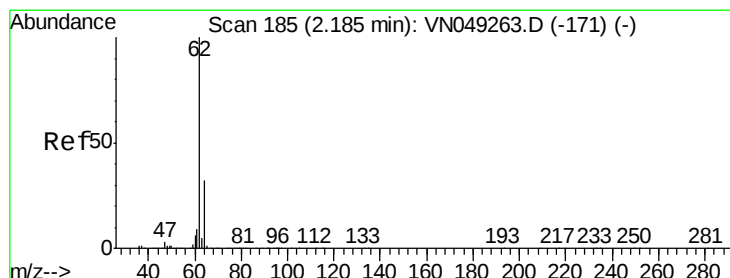
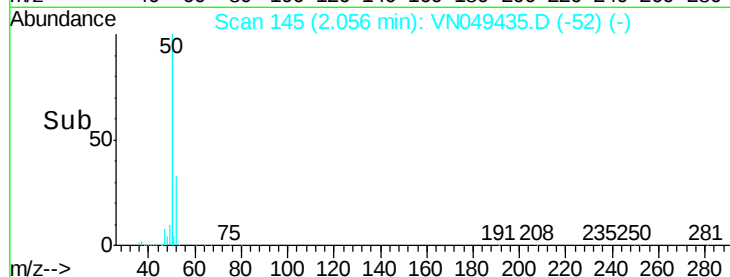
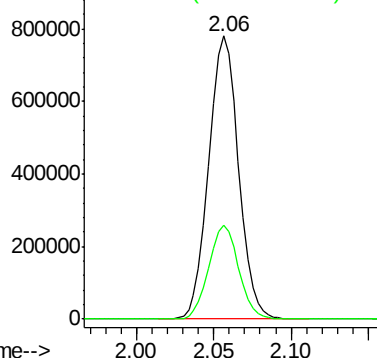
50 100

52 33.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.42 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049435.D

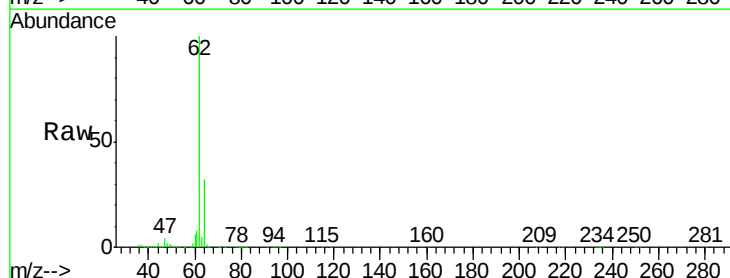
Acq: 20 Jun 2018 13:48

Tgt Ion: 62 Resp: 1151794

Ion Ratio Lower Upper

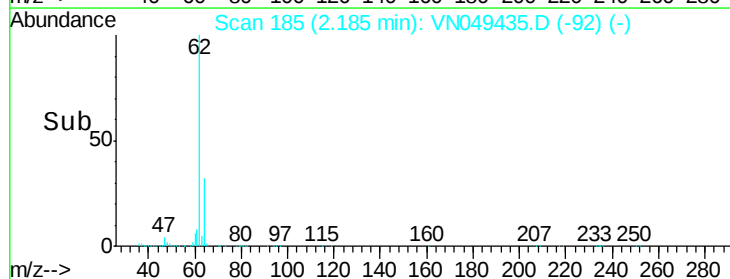
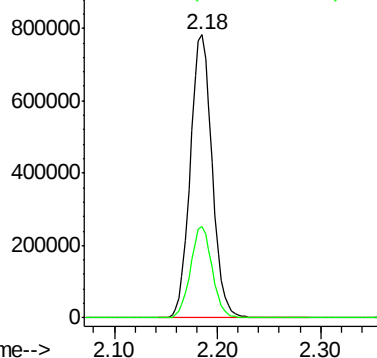
62 100

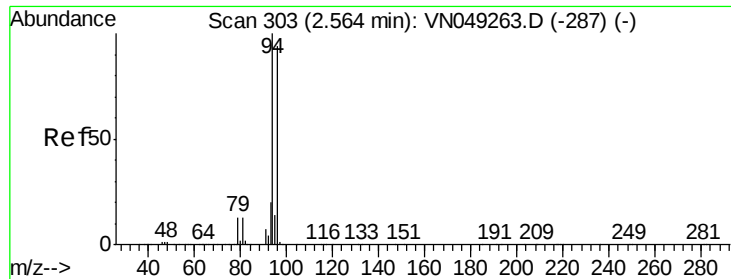
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.74 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

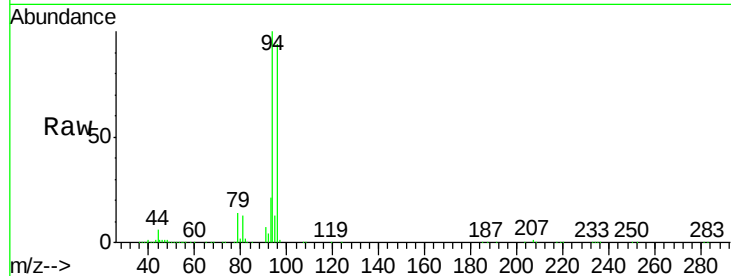
ClientSampleId :

Tot Ion: 94 Resp: 569685

Ion Ratio Lower Upper

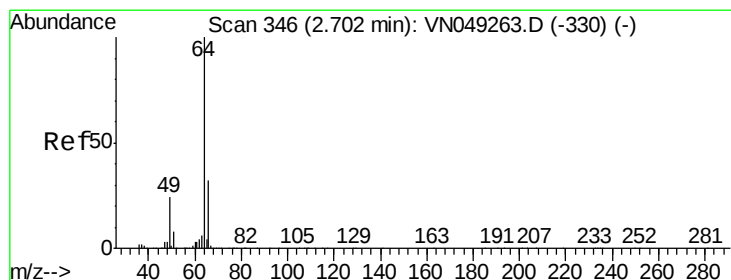
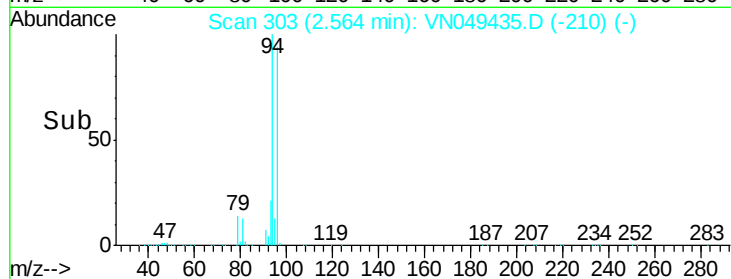
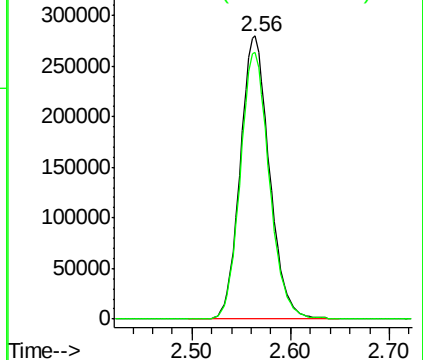
94 100

96 94.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.56 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049435.D

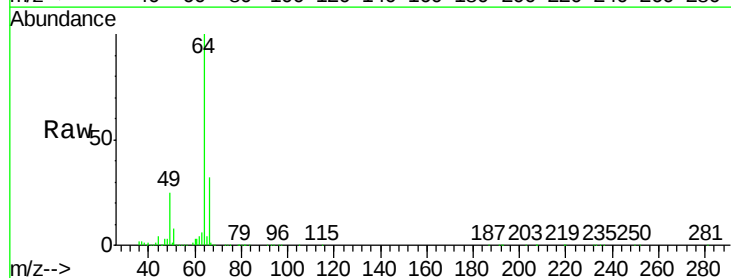
Acq: 20 Jun 2018 13:48

Tgt Ion: 64 Resp: 719100

Ion Ratio Lower Upper

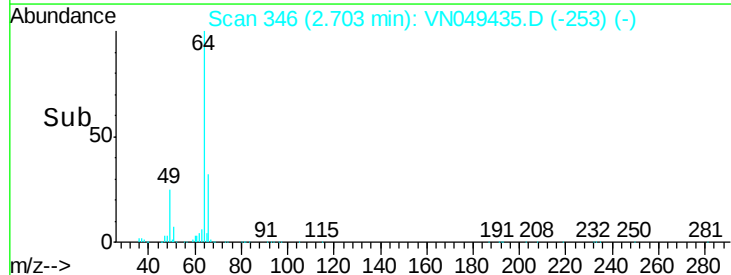
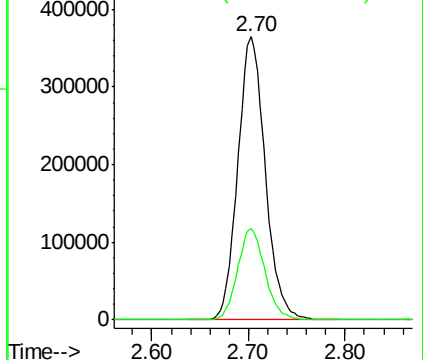
64 100

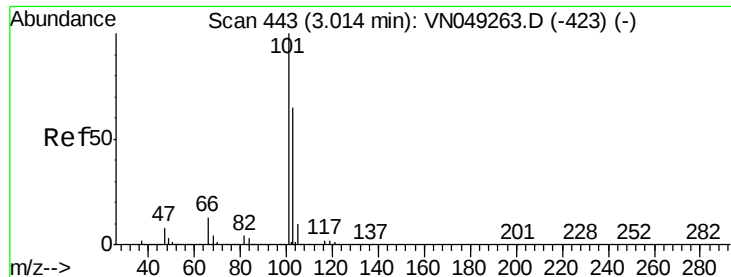
66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



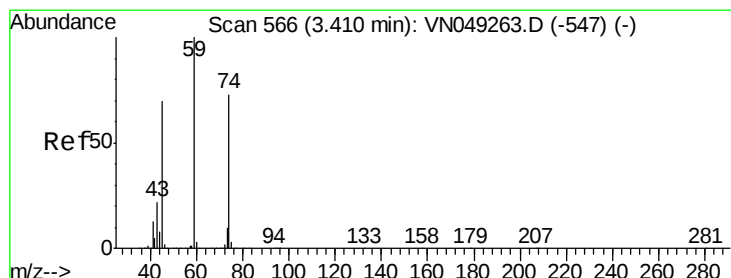
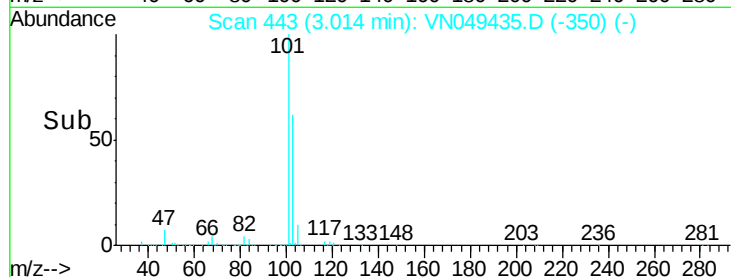
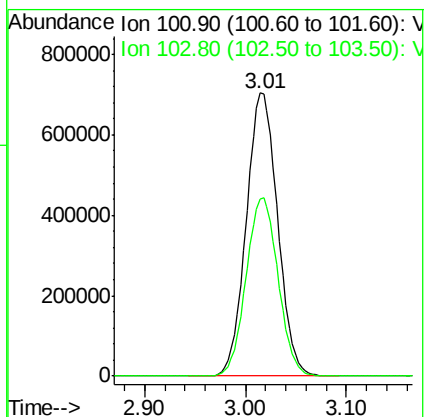
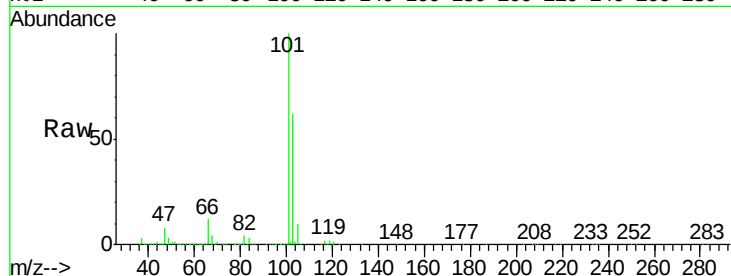


#7

Trichlorofluoromethane
Concen: 47.85 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :

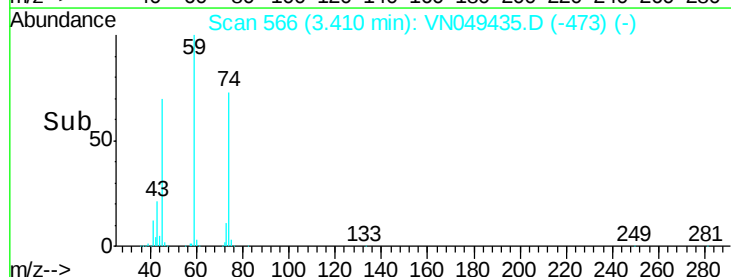
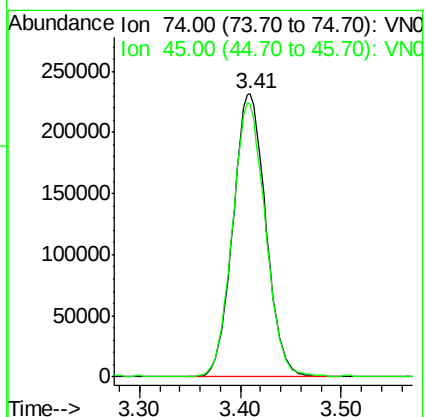
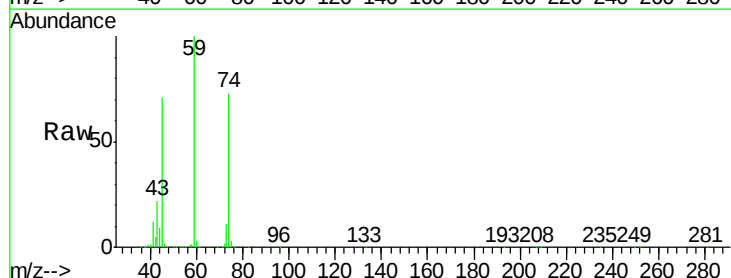
Tot Ion:101 Resp: 1513645
Ion Ratio Lower Upper
101 100
103 62.4 51.7 77.5

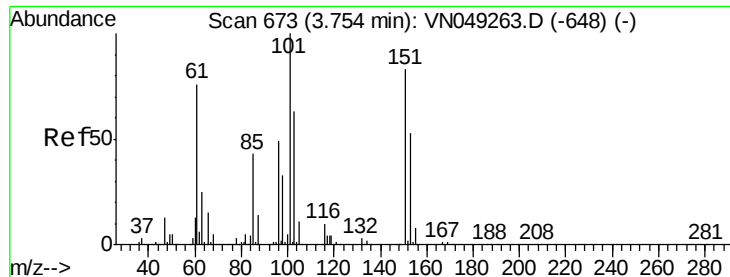


#8

Diethyl Ether
Concen: 47.19 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 74 Resp: 521173
Ion Ratio Lower Upper
74 100
45 96.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.15 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

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Acq: 20 Jun 2018 13:48

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ClientSampleId :

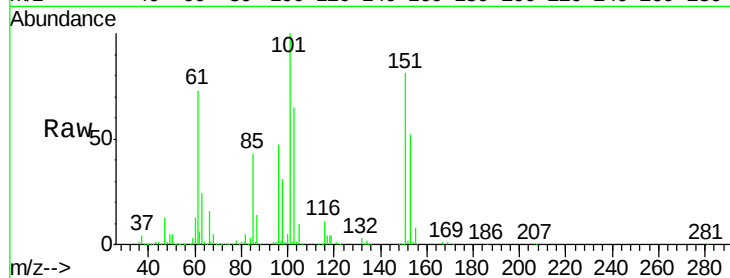
Tot Ion:101 Resp: 946017

Ion Ratio Lower Upper

101 100

85 42.2 37.6 56.4

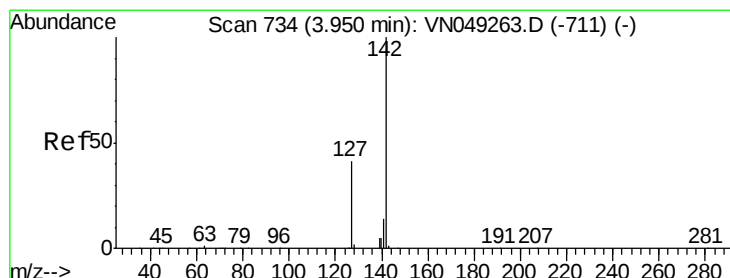
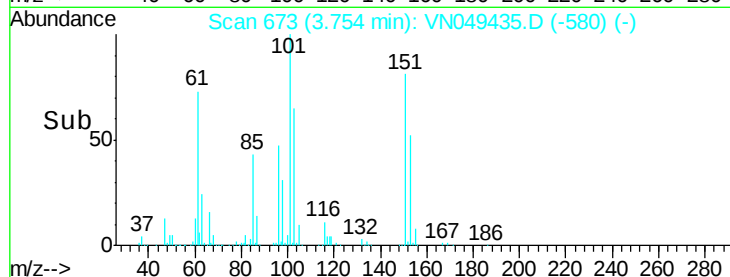
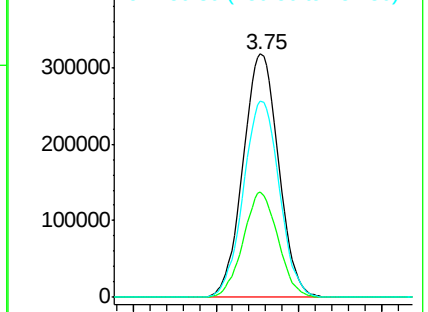
151 81.6 61.1 91.7



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: 54.36 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

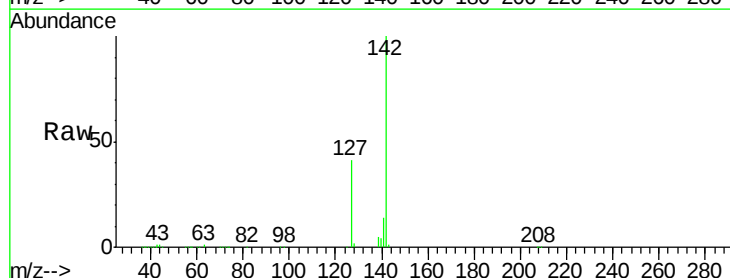
Tgt Ion:142 Resp: 1135373

Ion Ratio Lower Upper

142 100

127 40.6 38.2 57.4

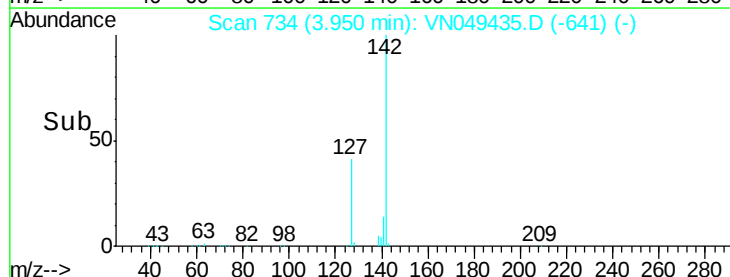
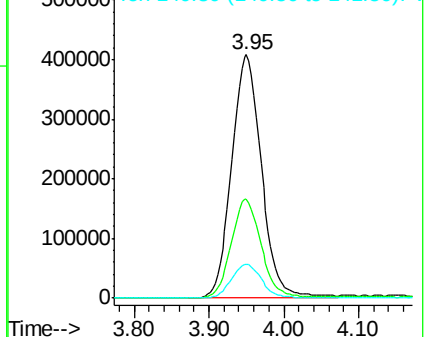
141 14.1 11.9 17.9

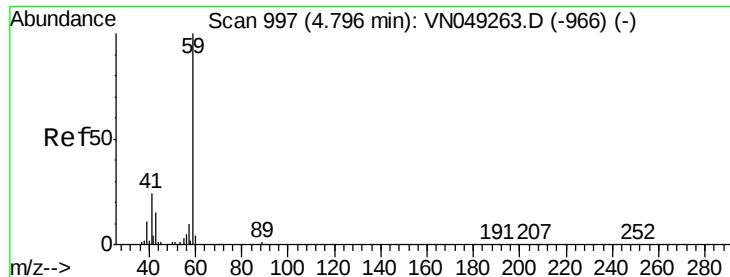


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



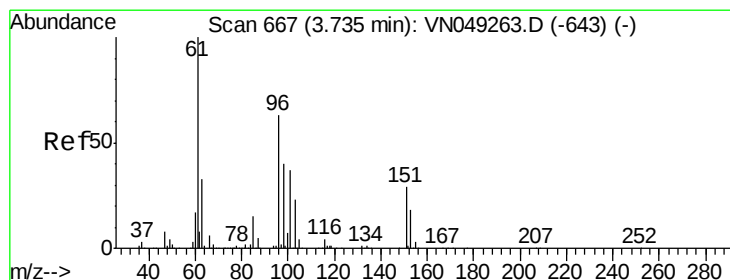
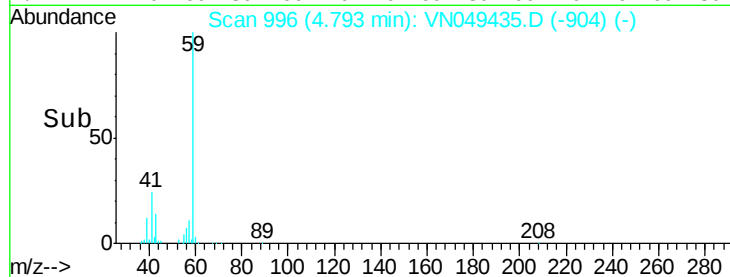
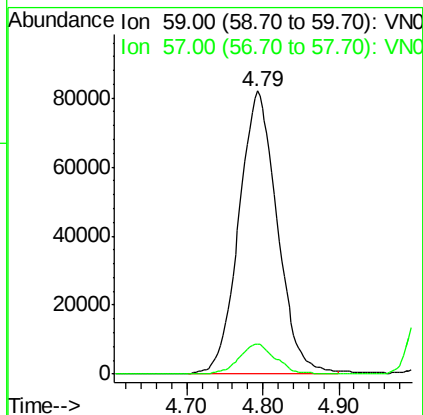
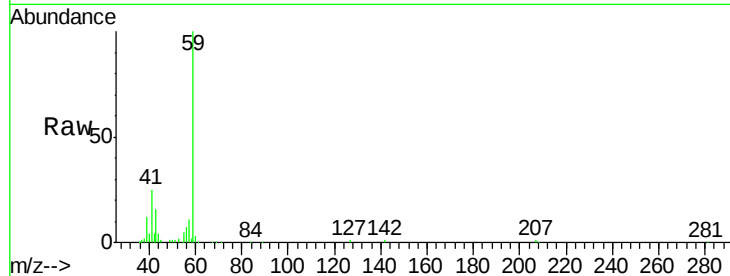


#11

Tert butyl alcohol
 Concen: 230.14 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :

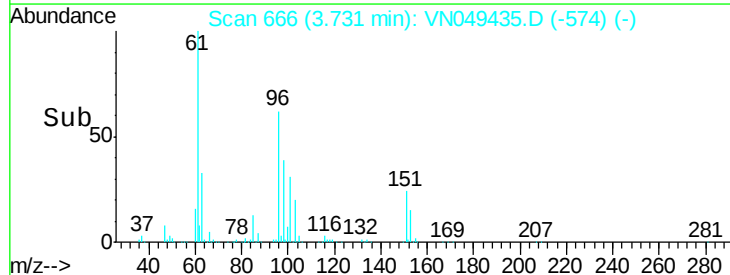
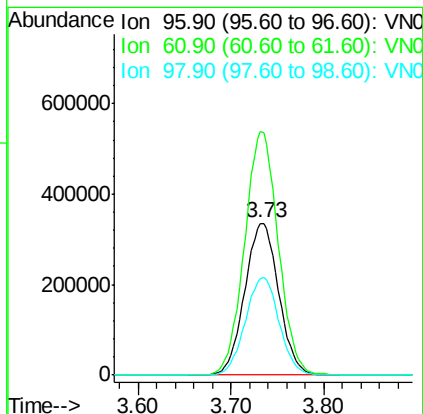
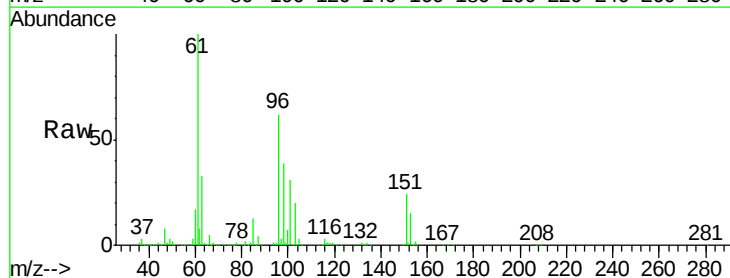
Tot Ion: 59 Resp: 287598
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.0 13.6

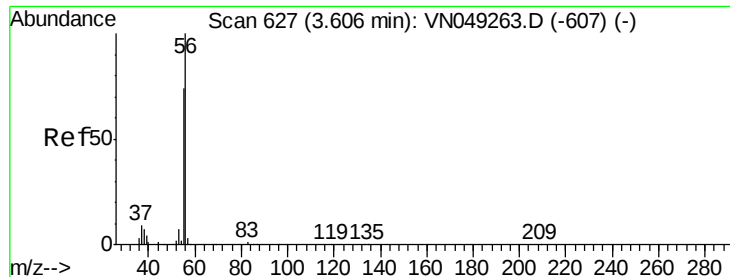


#12

1,1-Dichloroethene
 Concen: 46.36 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 96 Resp: 853302
 Ion Ratio Lower Upper
 96 100
 61 160.3 141.0 211.4
 98 63.3 50.4 75.6

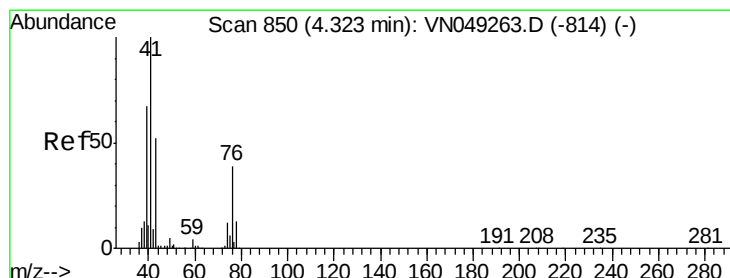
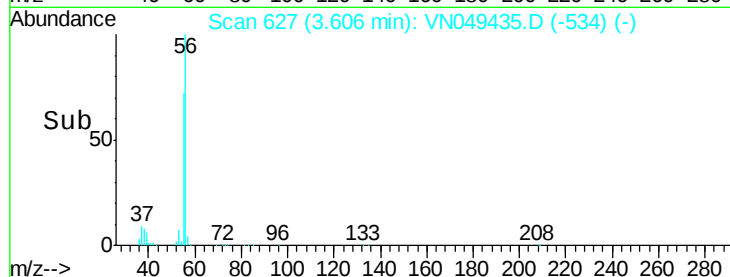
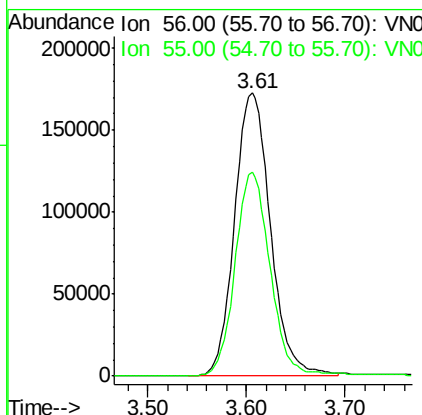
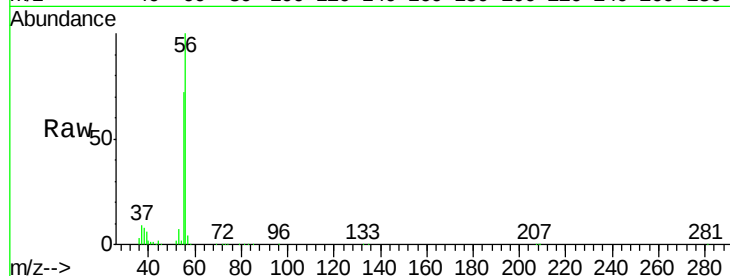




#13
Acrolein
Concen: 333.80 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

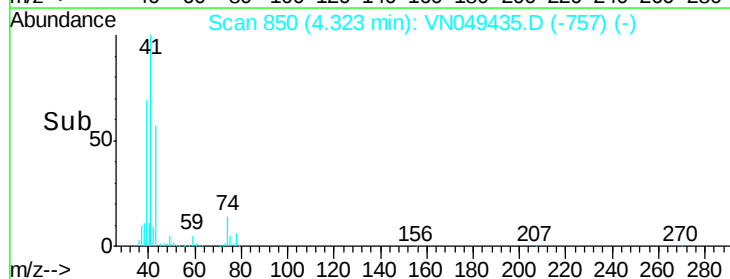
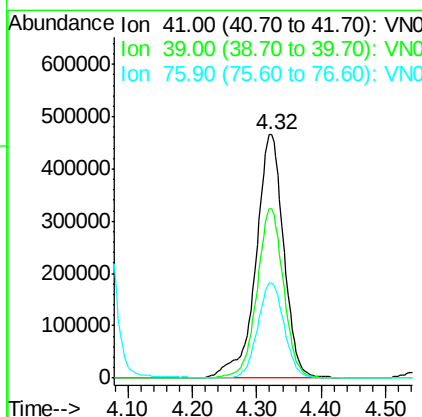
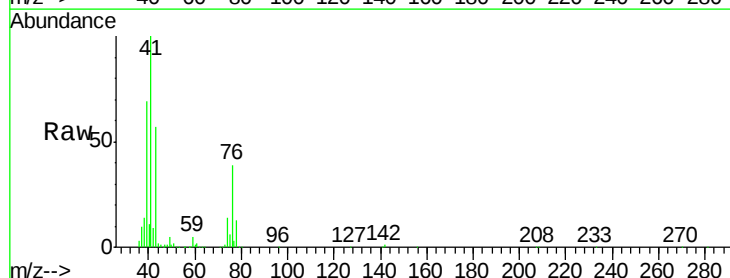
Instrument :
MSVOA_N
ClientSampleId :

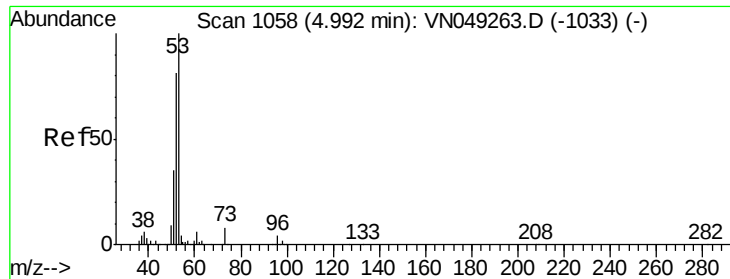
Tot Ion: 56 Resp: 437445
Ion Ratio Lower Upper
56 100
55 69.4 57.1 85.7



#14
Allyl chloride
Concen: 48.13 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 41 Resp: 1398851
Ion Ratio Lower Upper
41 100
39 66.5 62.5 93.7
76 37.0 27.1 40.7



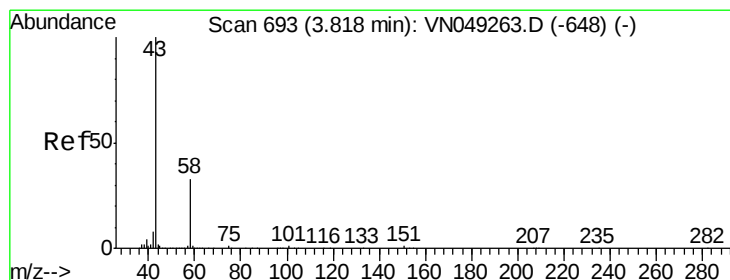
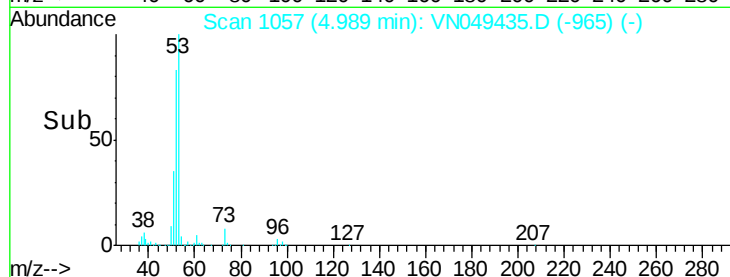
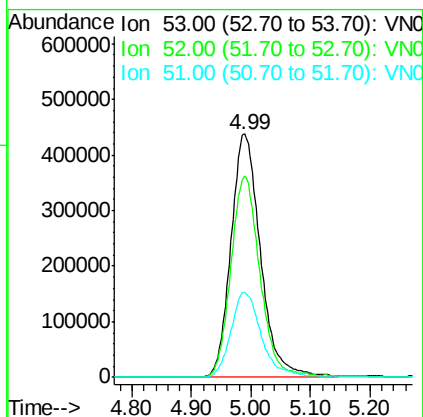
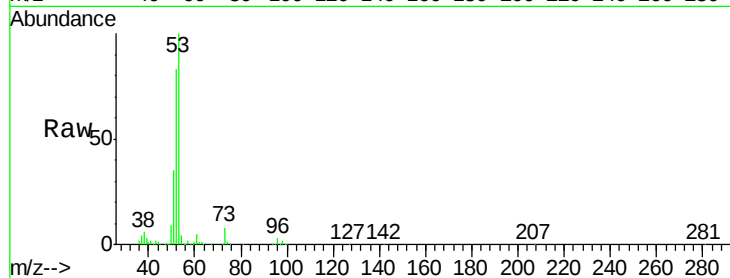


#15
 Acrylonitrile
 Concen: 242.12 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 1512943

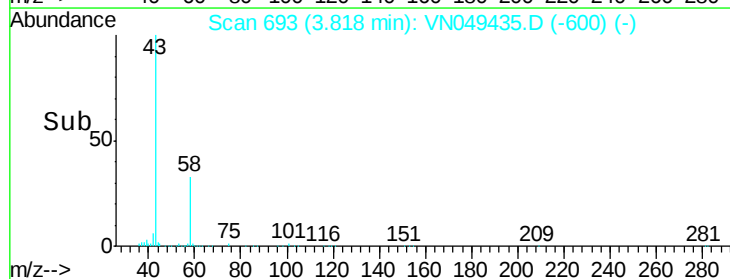
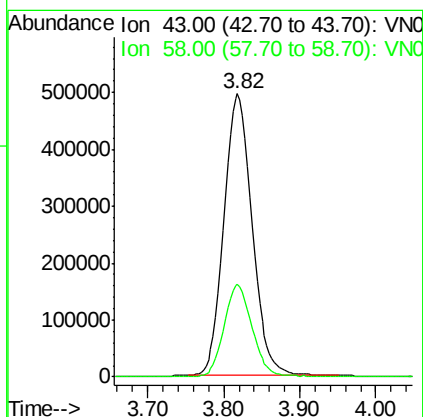
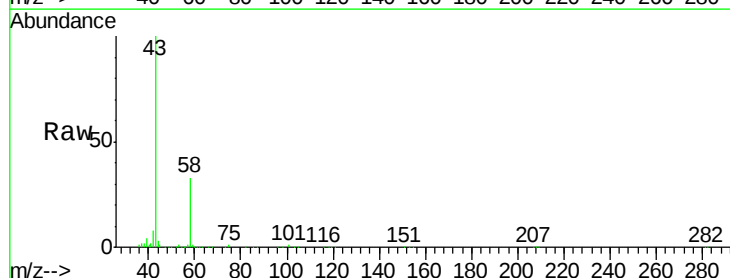
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.6	100.0
51	36.2	29.8	44.8

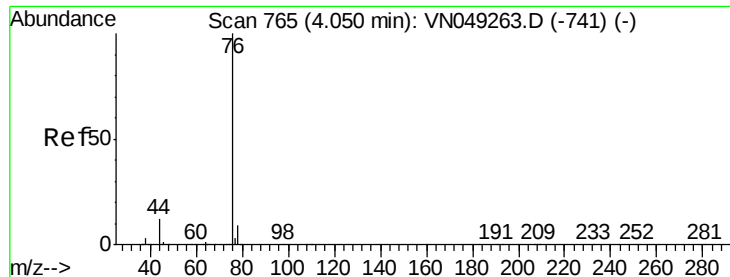


#16
 Acetone
 Concen: 248.22 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 43 Resp: 1283239

Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6

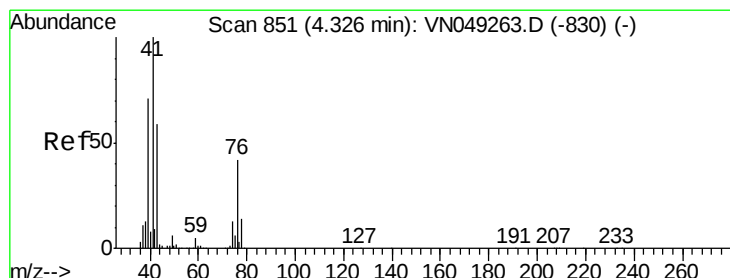
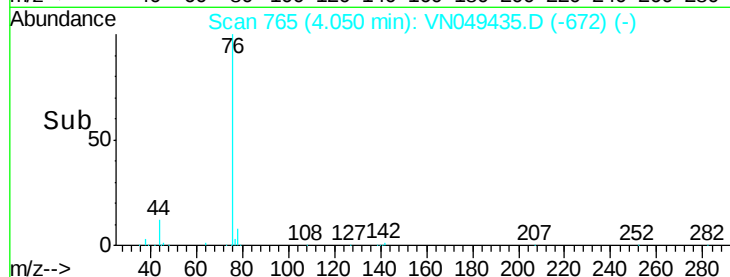
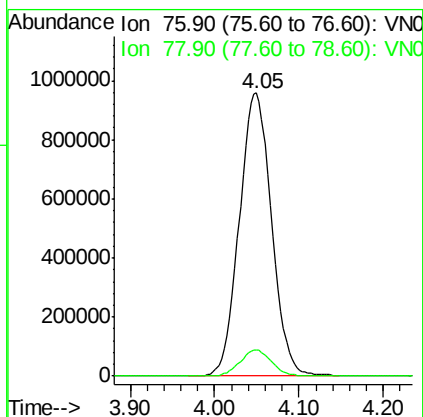
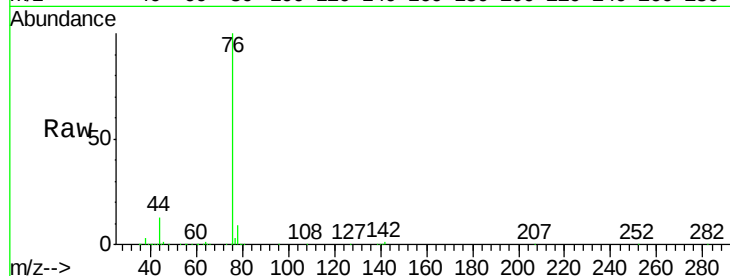




#17
Carbon Disulfide
Concen: 44.26 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

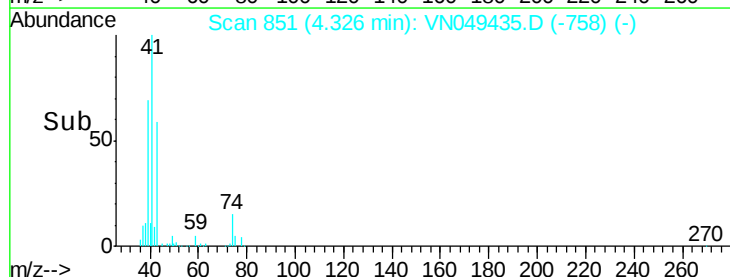
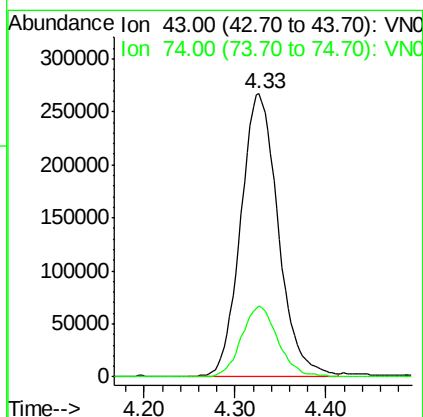
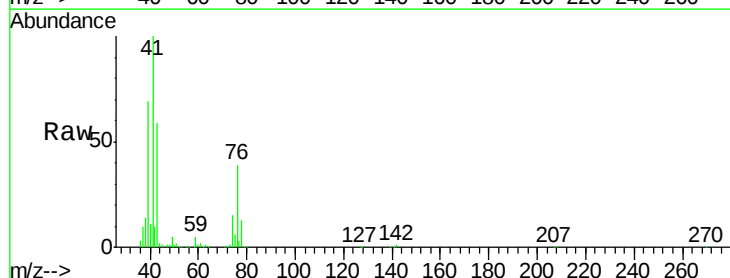
Instrument :
MSVOA_N
ClientSampled :

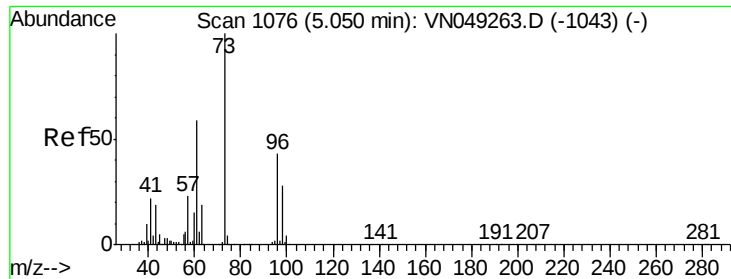
Tot Ion: 76 Resp: 2553454
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 48.29 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 43 Resp: 761189
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0

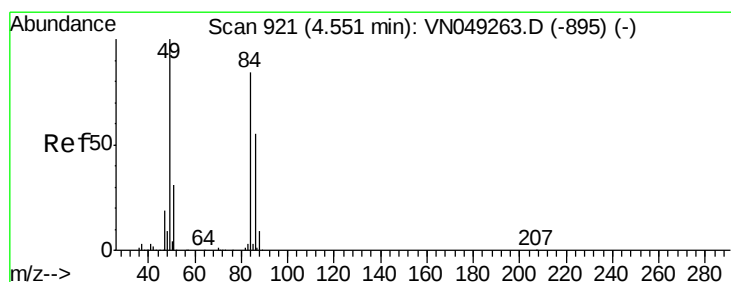
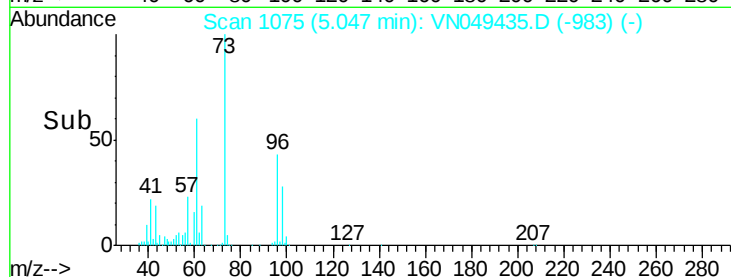
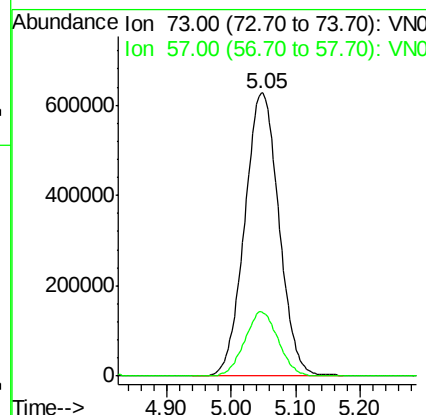
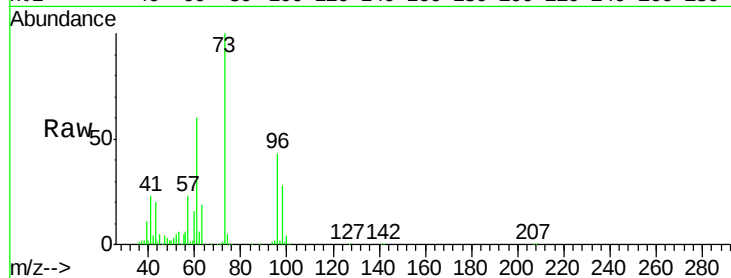




#19
Methvl tert-butvl Ether
Concen: 49.55 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

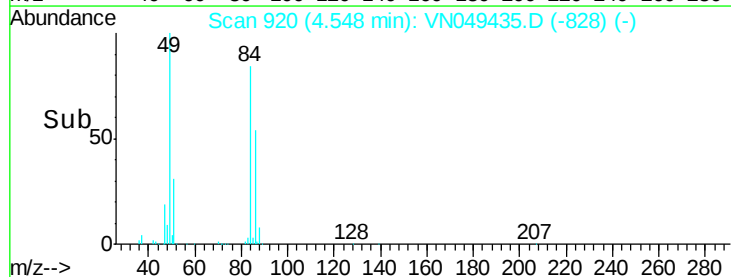
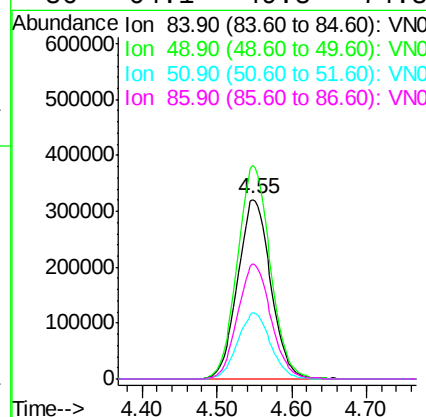
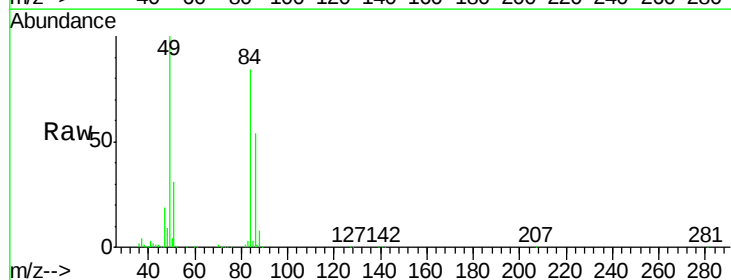
Instrument :
MSVOA_N
ClientSampleId :

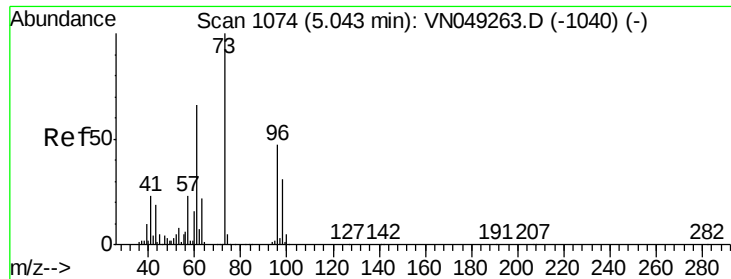
Tot Ion: 73 Resp: 2325370
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 45.73 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 84 Resp: 987273
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 36.8 32.7 49.1
86 64.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.91 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

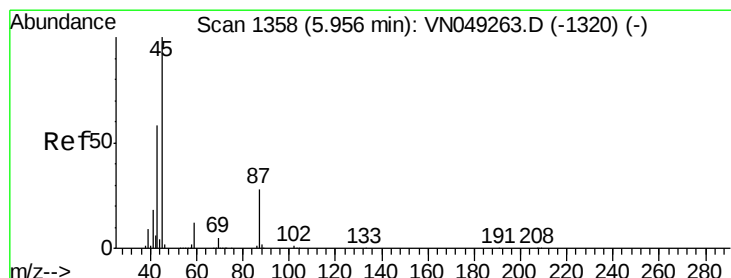
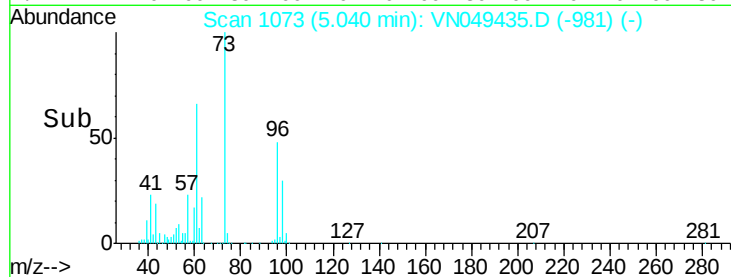
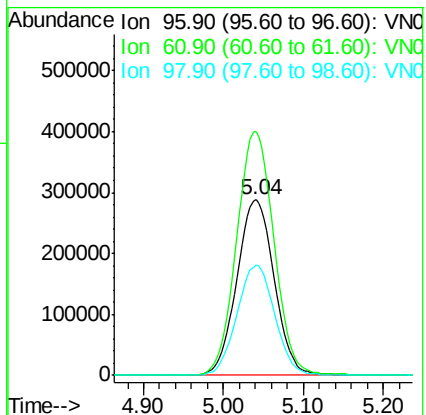
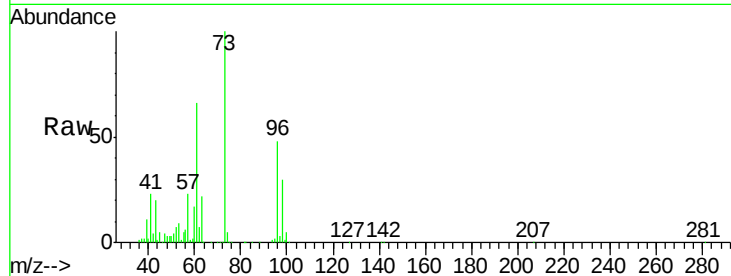
Tot Ion: 96 Resp: 914134

Ion Ratio Lower Upper

96 100

61 139.0 121.3 181.9

98 62.9 52.0 78.0



#22

Diisopropyl ether

Concen: 50.02 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion: 45 Resp: 2902859

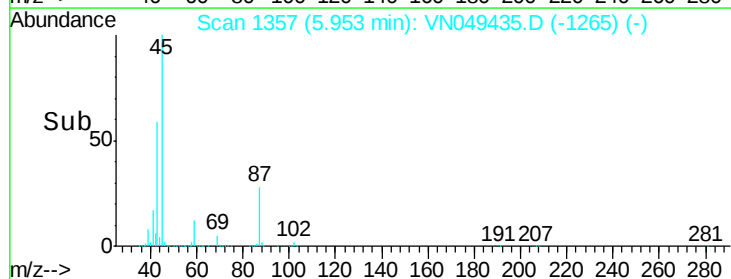
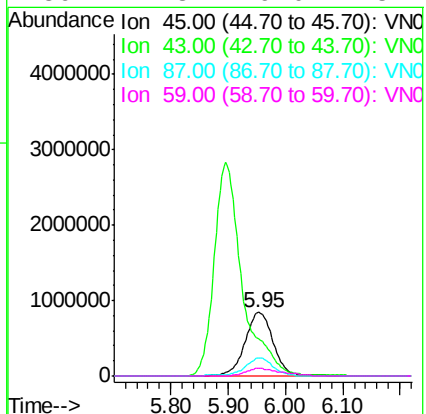
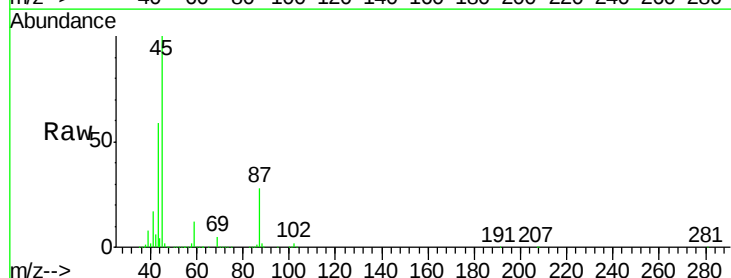
Ion Ratio Lower Upper

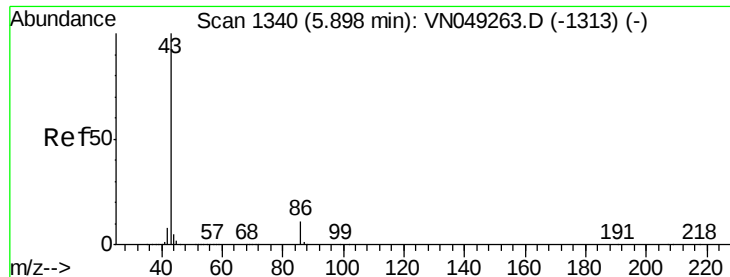
45 100

43 58.2 48.6 72.8

87 27.8 20.2 30.2

59 12.3 9.0 13.4

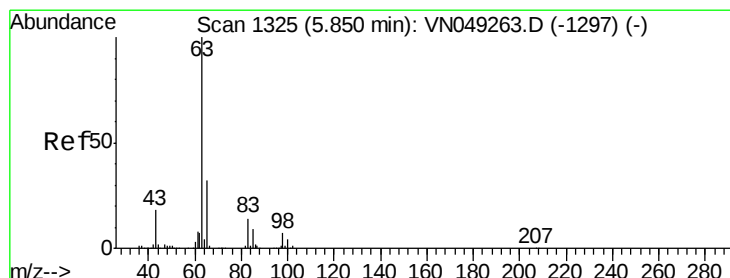
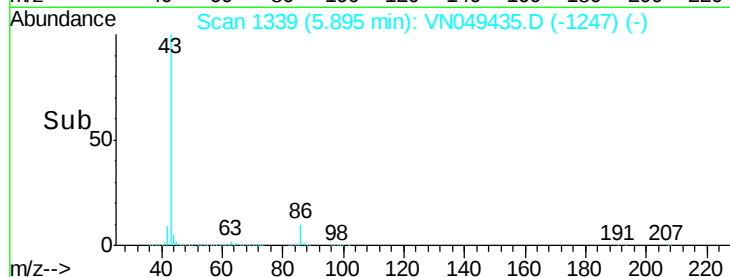
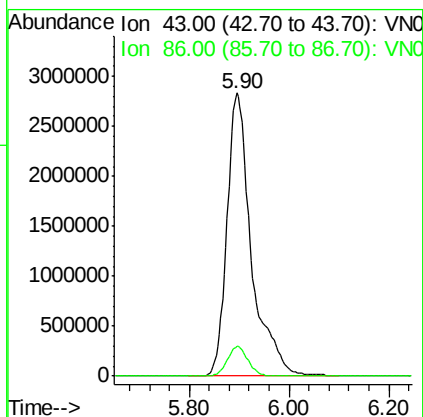
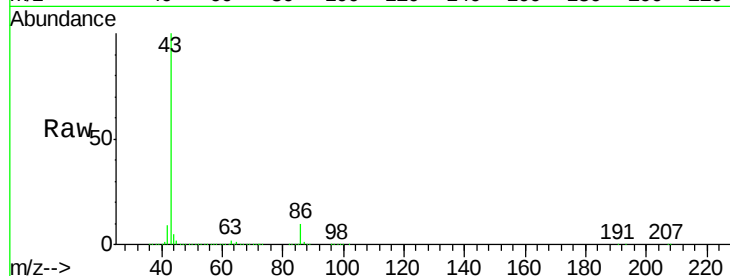




#23
 Vinyl Acetate
 Concen: 255.83 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

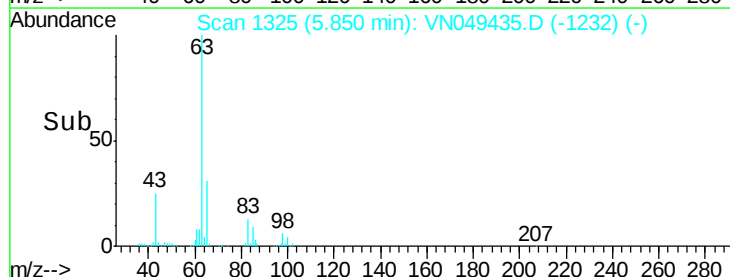
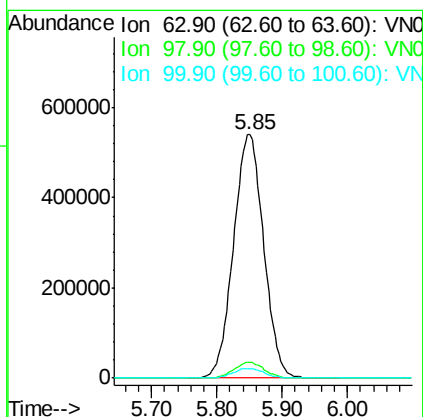
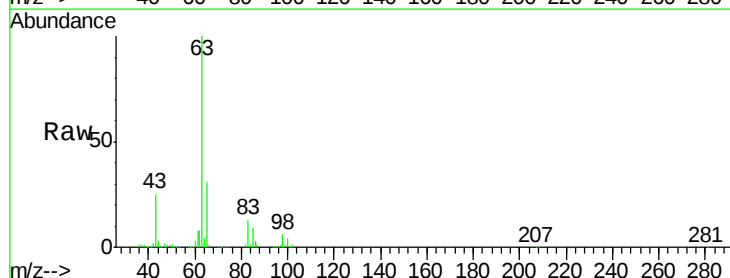
Instrument :
 MSVOA_N
 ClientSampled :

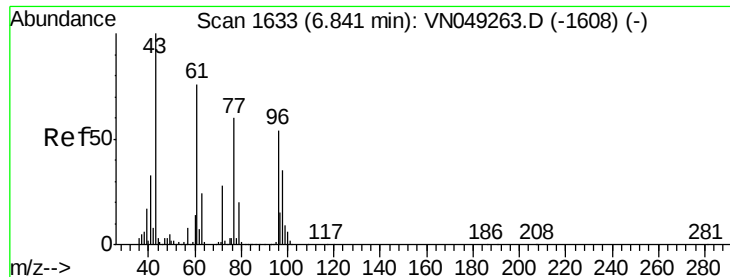
Tot Ion: 43 Resp: 9679414
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 46.62 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 63 Resp: 1731756
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 252.61 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

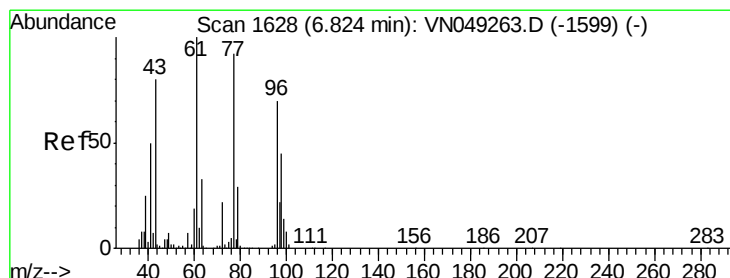
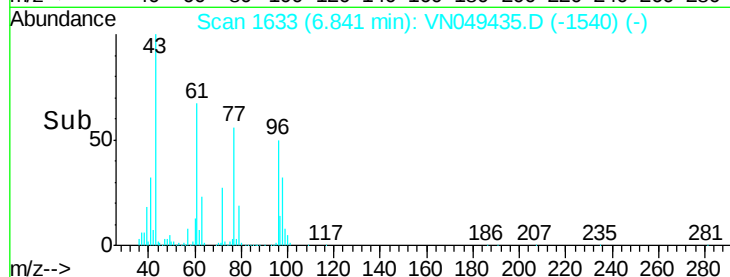
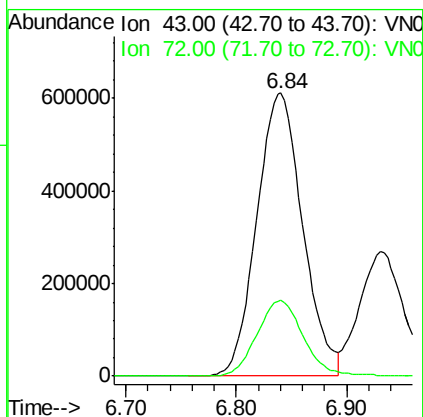
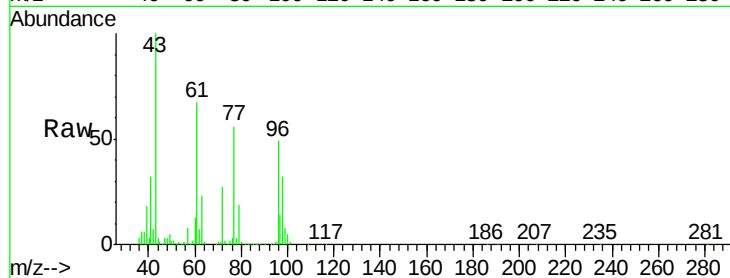
ClientSampleId :

Tot Ion: 43 Resp: 1753552

Ion Ratio Lower Upper

43 100

72 26.7 20.2 30.2



#26

2,2-Dichloropropane

Concen: 48.91 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049435.D

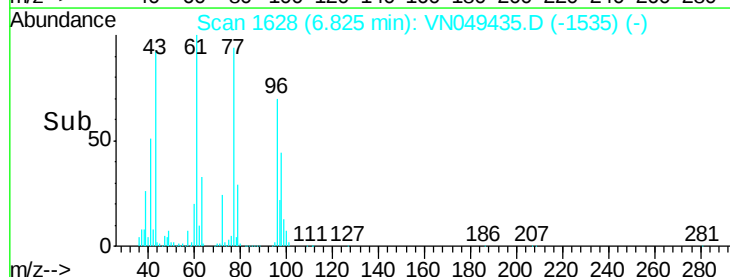
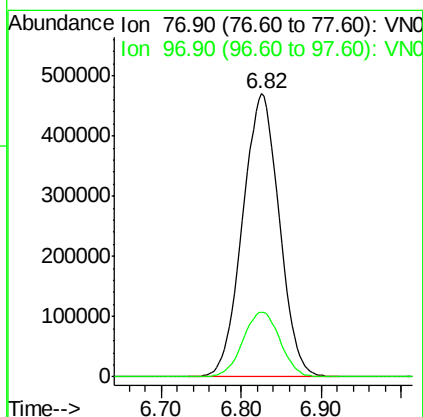
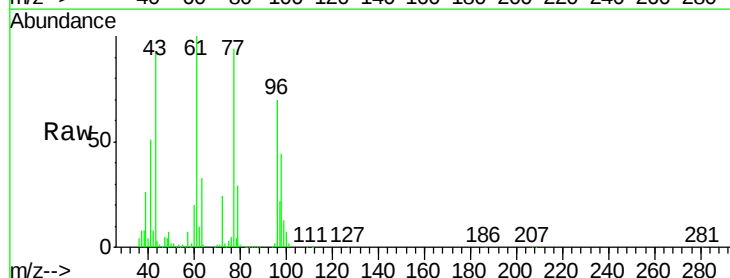
Acq: 20 Jun 2018 13:48

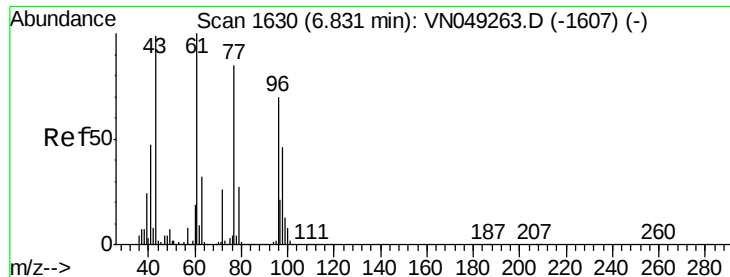
Tgt Ion: 77 Resp: 1467137

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 48.17 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :

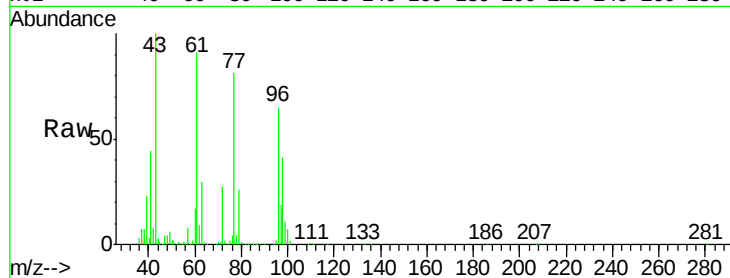
Tot Ion: 96 Resp: 1043616

Ion Ratio Lower Upper

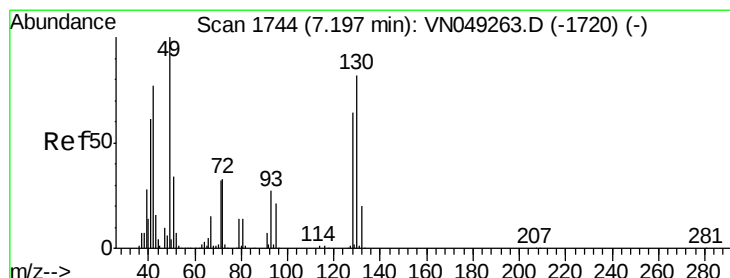
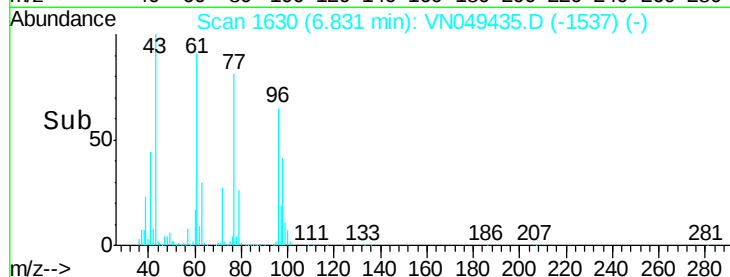
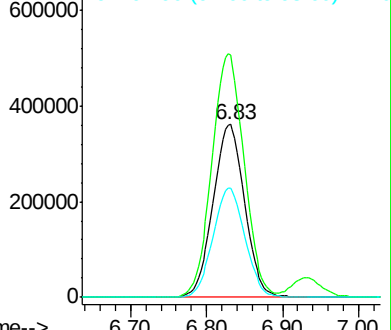
96 100

61 143.7 0.0 316.4

98 64.3 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: 47.36 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

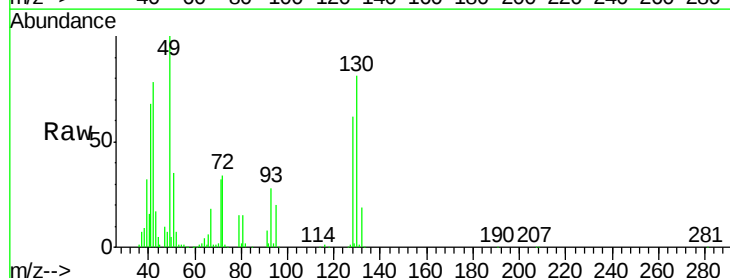
Tgt Ion: 49 Resp: 779916

Ion Ratio Lower Upper

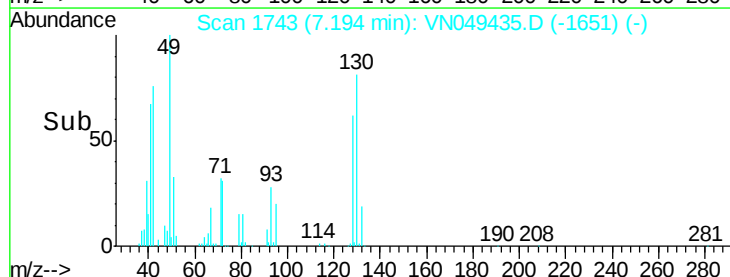
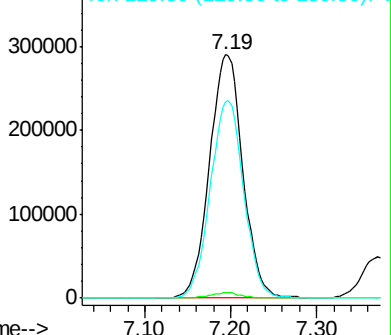
49 100

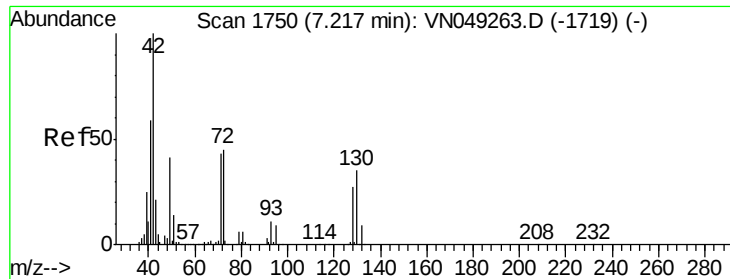
129 2.0 0.0 3.8

130 81.5 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

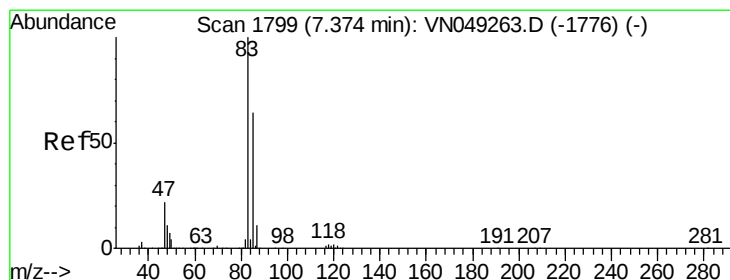
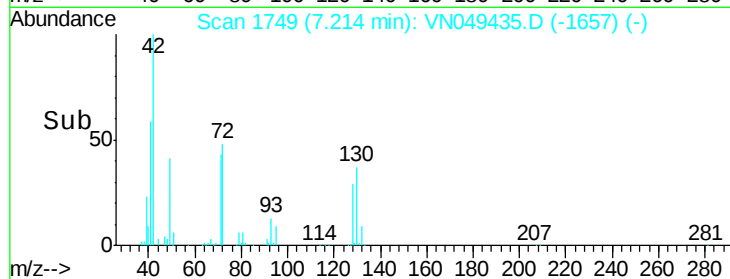
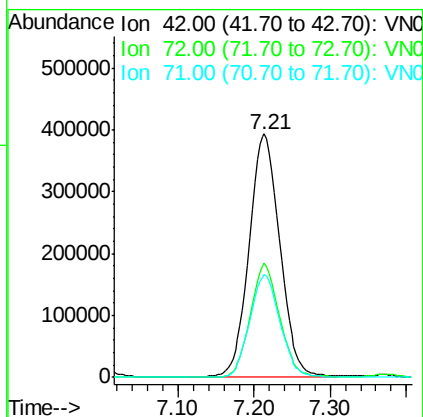
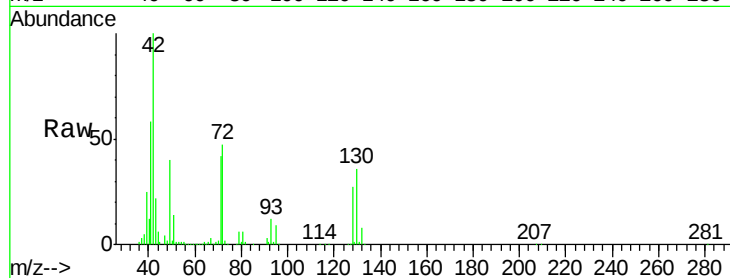




#29
Tetrahydrofuran
Concen: 247.75 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

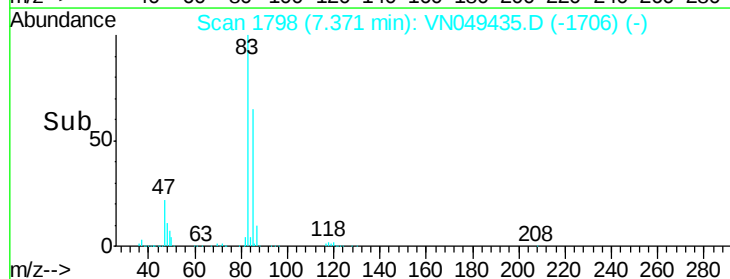
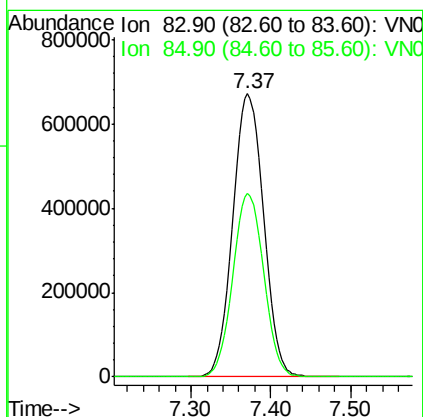
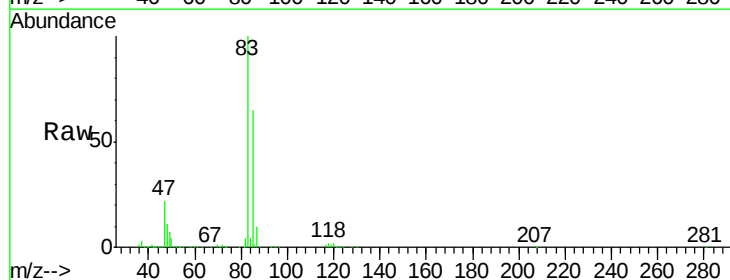
Instrument :
MSVOA_N
ClientSampled :

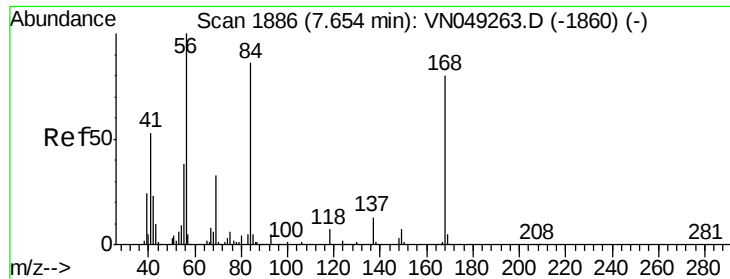
Tot Ion: 42 Resp: 1107055
Ion Ratio Lower Upper
42 100
72 44.5 32.2 48.4
71 41.4 30.5 45.7



#30
Chloroform
Concen: 47.46 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 83 Resp: 1754630
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5

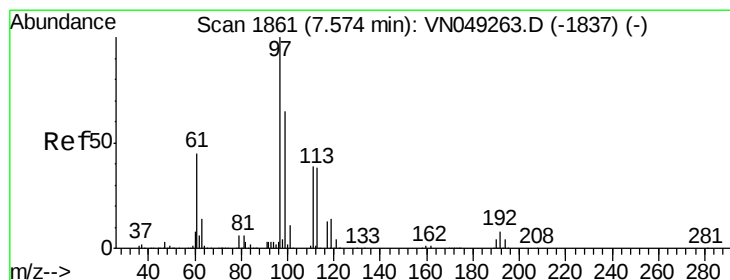
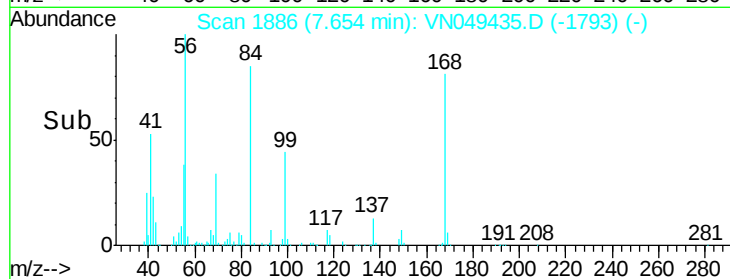
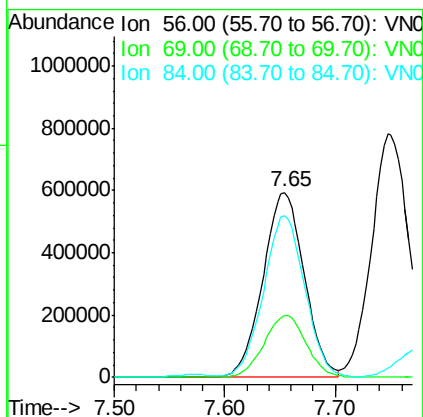
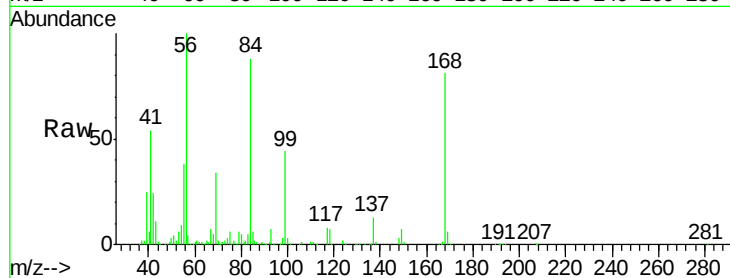




#31
Cyclohexane
Concen: 49.10 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

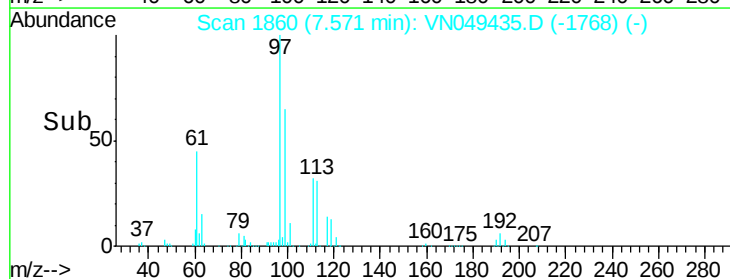
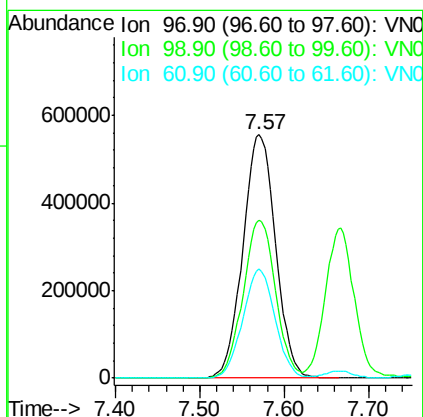
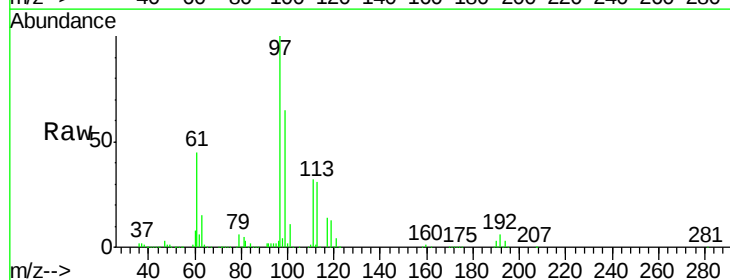
Instrument :
MSVOA_N
ClientSampled :

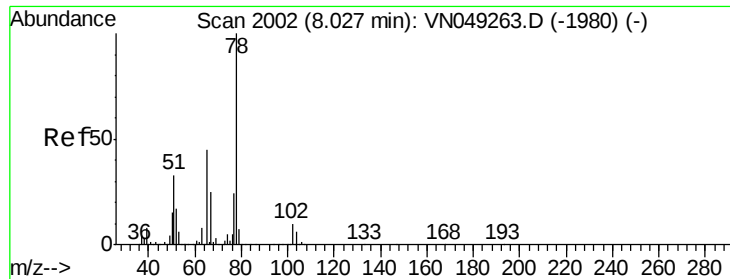
Tot Ion: 56 Resp: 1546404
Ion Ratio Lower Upper
56 100
69 33.6 25.0 37.4
84 86.3 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 47.52 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 97 Resp: 1498924
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 44.2 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 46.27 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

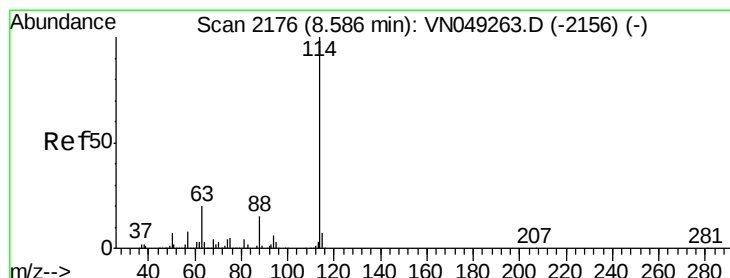
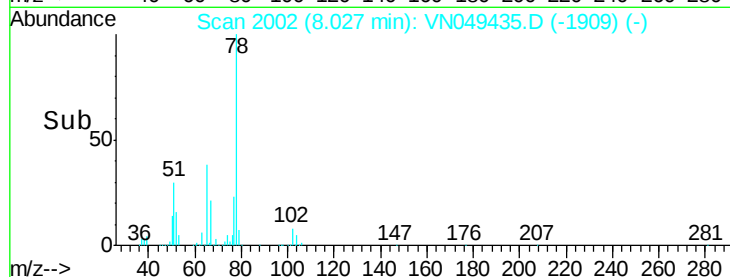
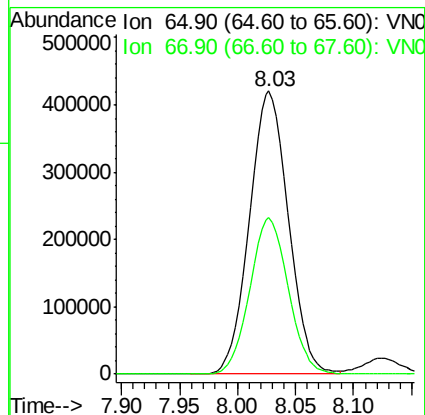
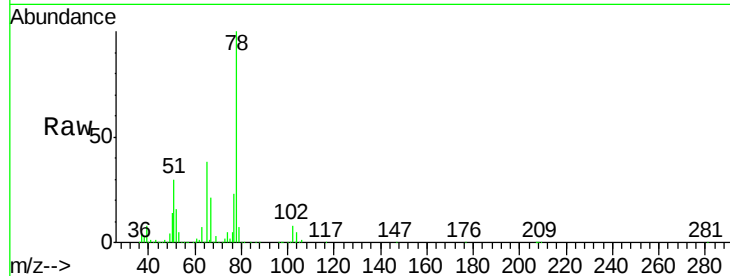
ClientSampleId :

Tot Ion: 65 Resp: 985263

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

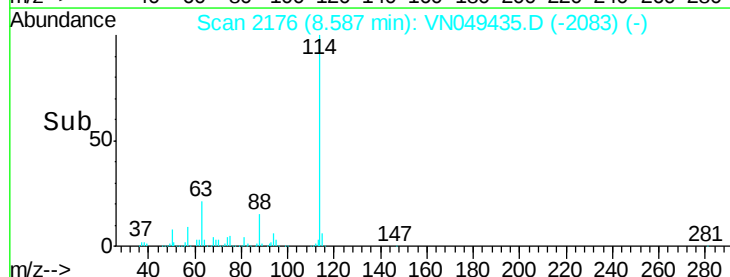
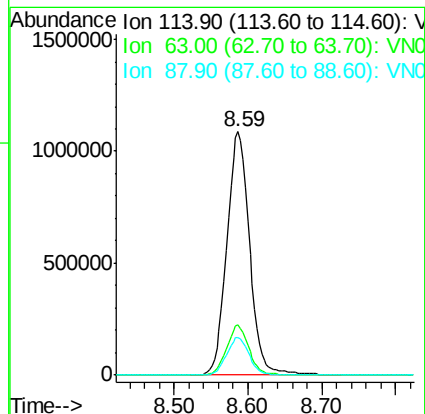
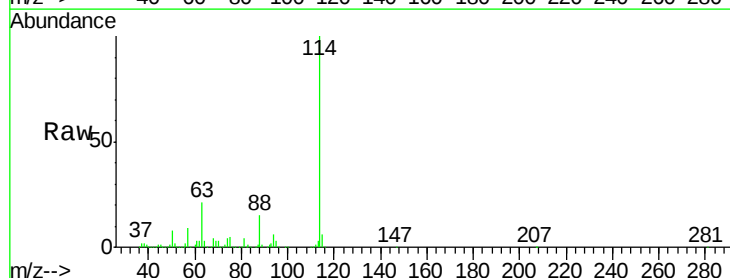
Tgt Ion: 114 Resp: 2331143

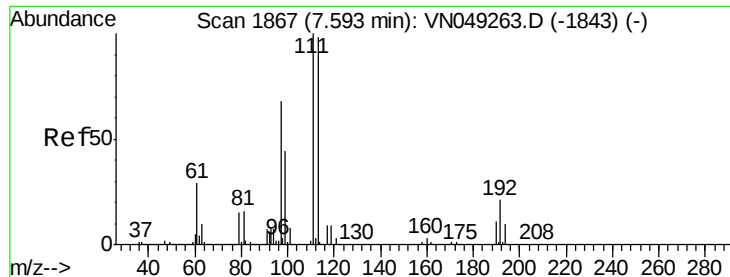
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.4

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.32 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :

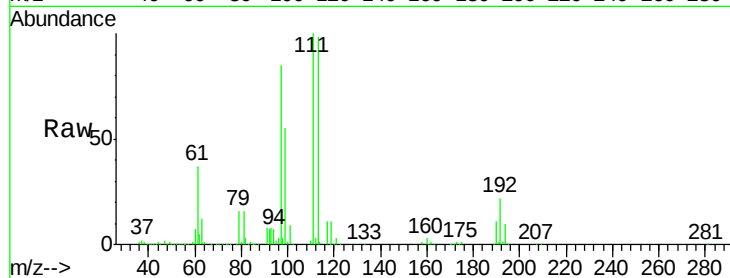
Tot Ion:113 Resp: 892382

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	21.9	15.0	22.6

113 100

111 102.5 82.4 123.6

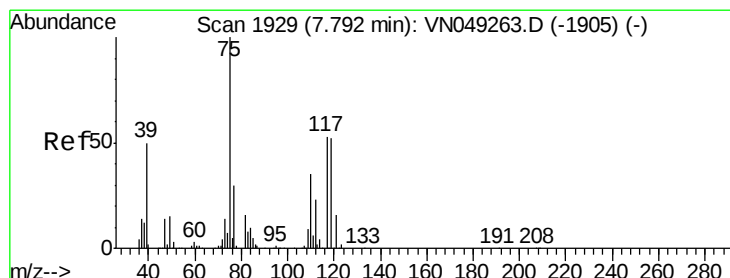
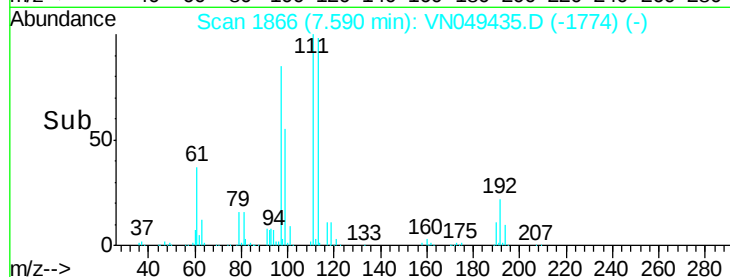
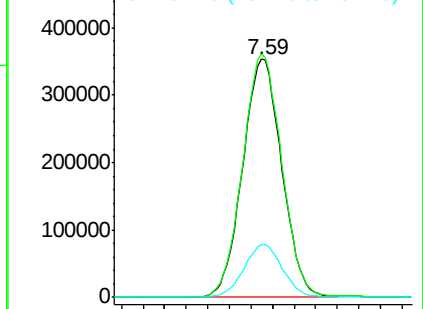
192 21.9 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.08 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

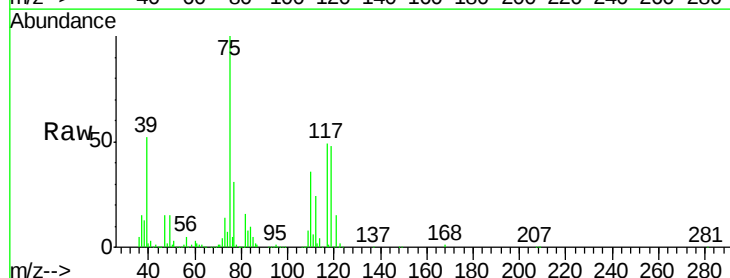
Tgt Ion: 75 Resp: 1364834

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.0	50.9
77	30.9	24.4	36.6

75 100

110 35.5 17.0 50.9

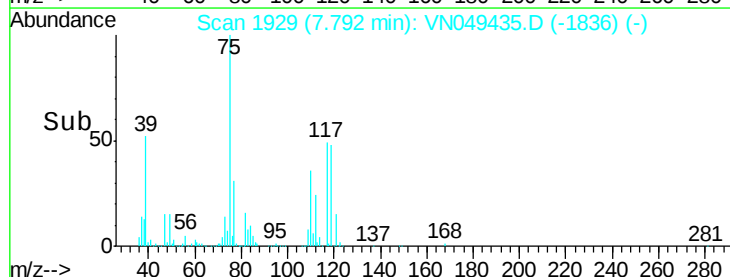
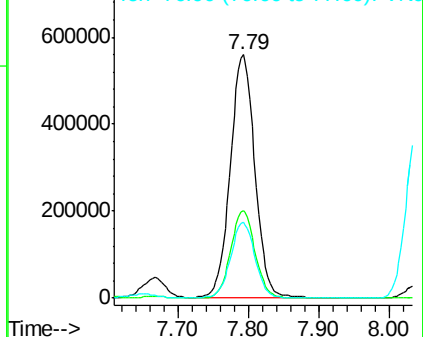
77 30.9 24.4 36.6

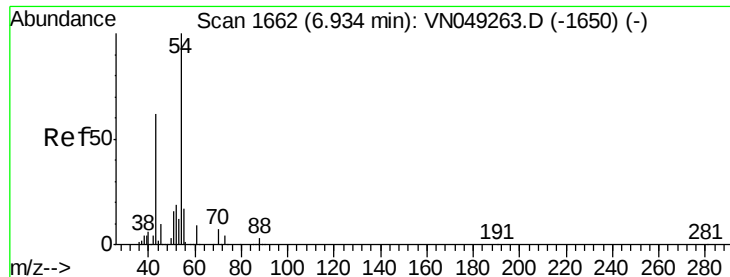


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

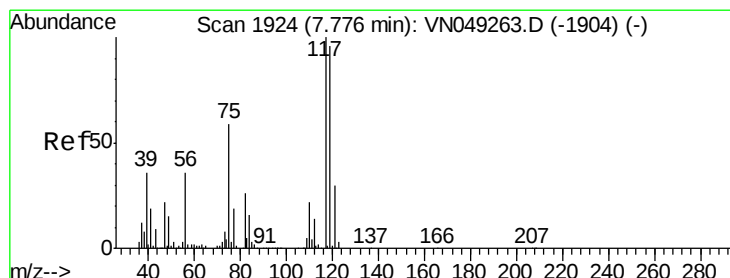
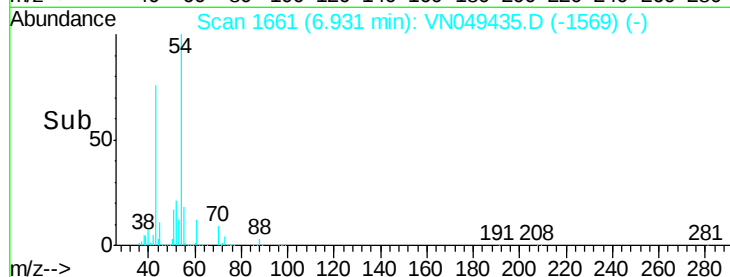
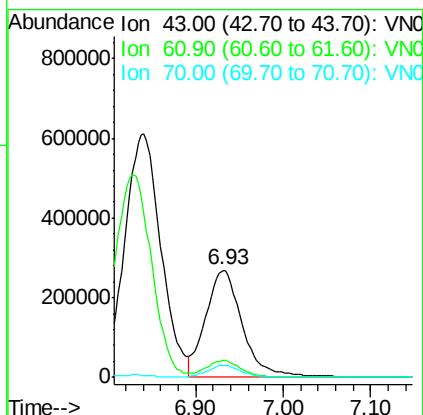
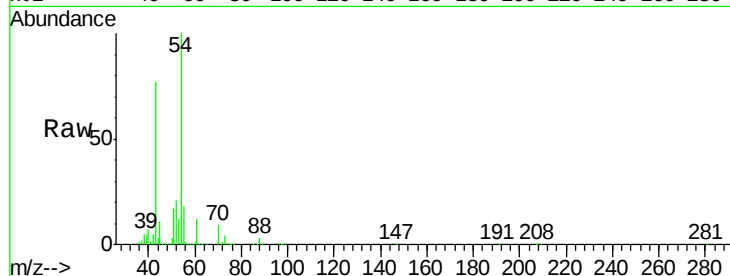




#37
Ethyl Acetate
Concen: 52.62 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

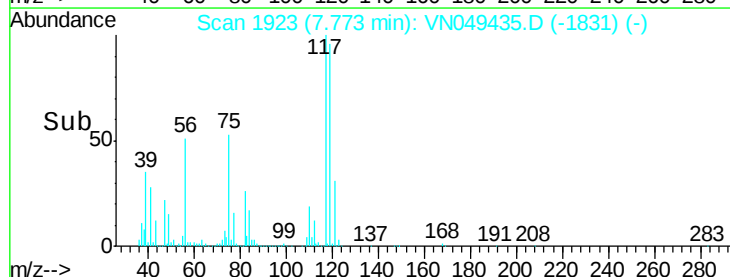
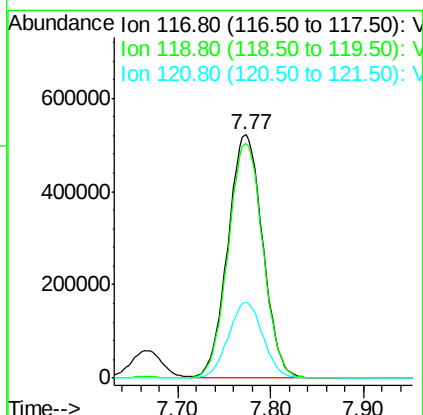
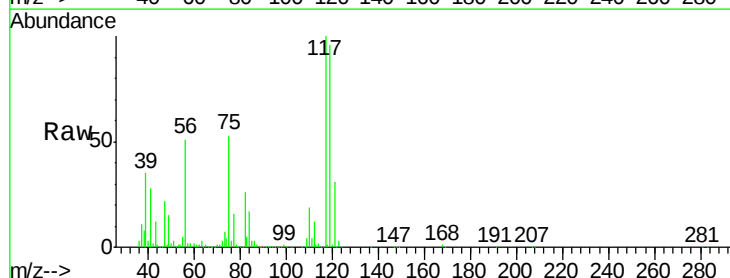
Instrument :
MSVOA_N
ClientSampleId :

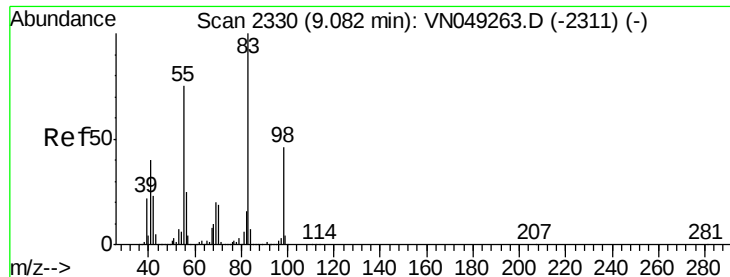
Tot Ion: 43 Resp: 764341
Ion Ratio Lower Upper
43 100
61 14.8 11.0 16.4
70 10.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 49.08 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 117 Resp: 1357551
Ion Ratio Lower Upper
117 100
119 96.4 75.6 113.4
121 31.0 24.7 37.1

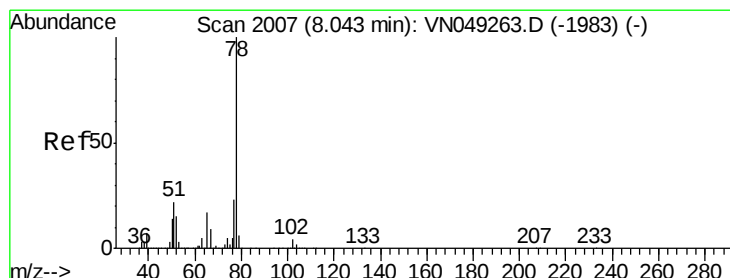
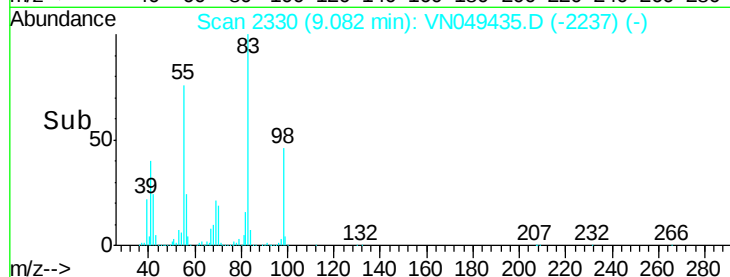
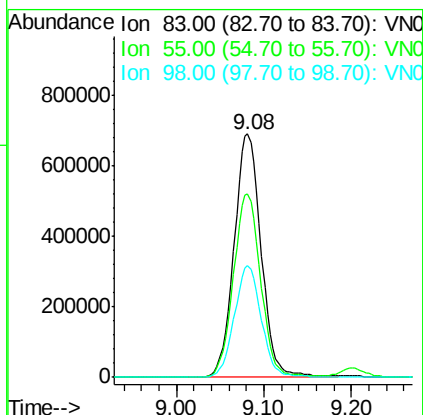
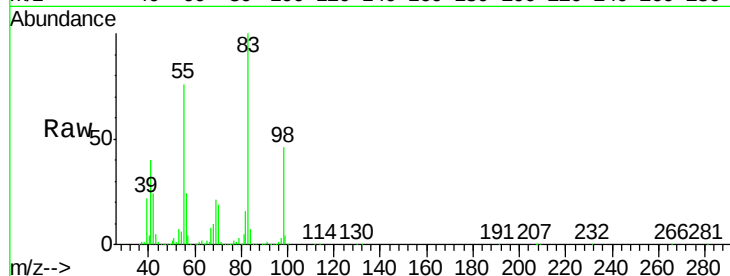




#39
Methvlcvclohexane
Concen: 51.54 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

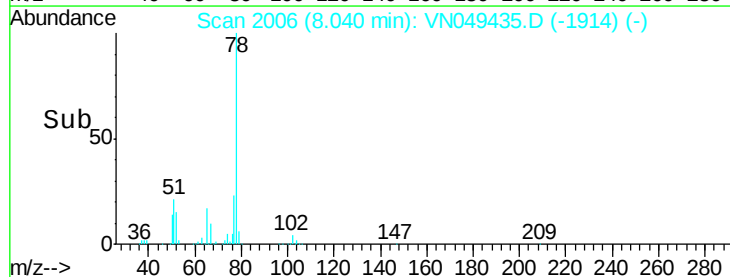
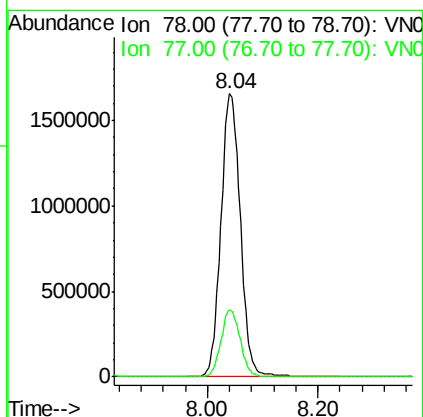
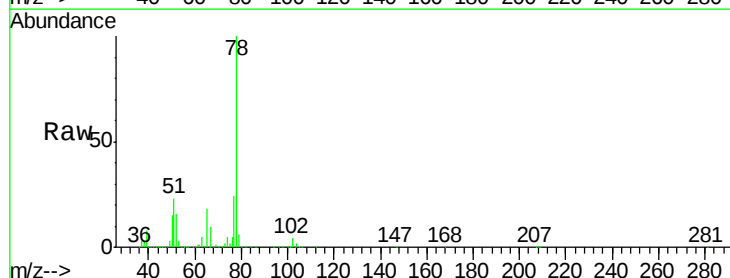
Instrument :
MSVOA_N
ClientSampled :

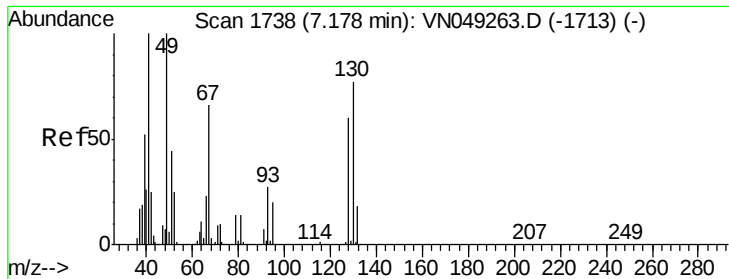
Tot Ion: 83 Resp: 1478258
Ion Ratio Lower Upper
83 100
55 75.6 65.1 97.7
98 45.8 36.5 54.7



#40
Benzene
Concen: 49.16 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 78 Resp: 4026338
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

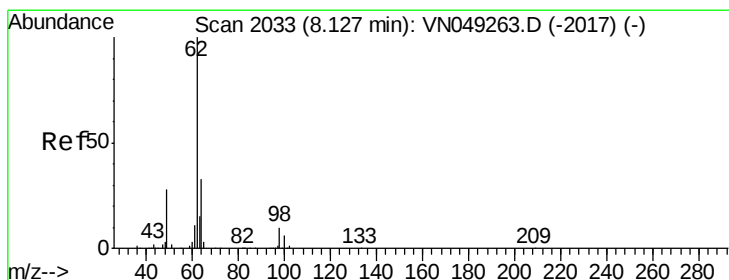
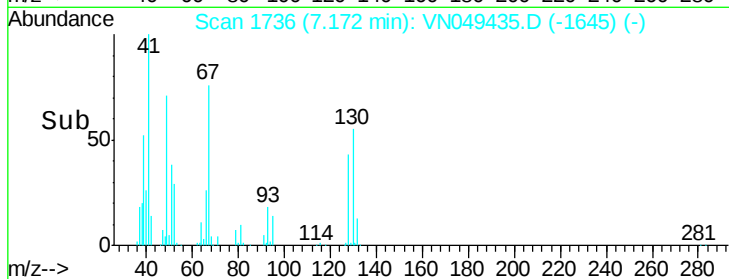
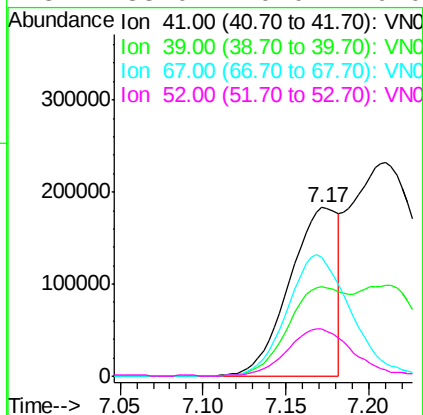
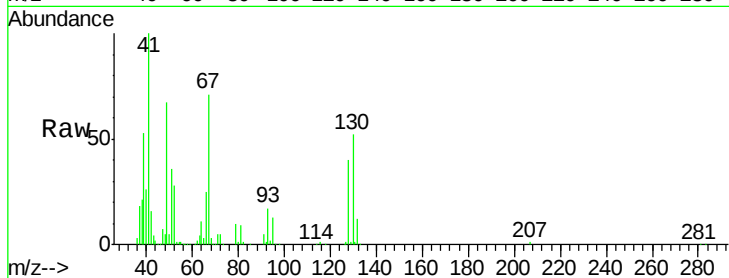




#41
Methacrylonitrile
Concen: 46.95 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

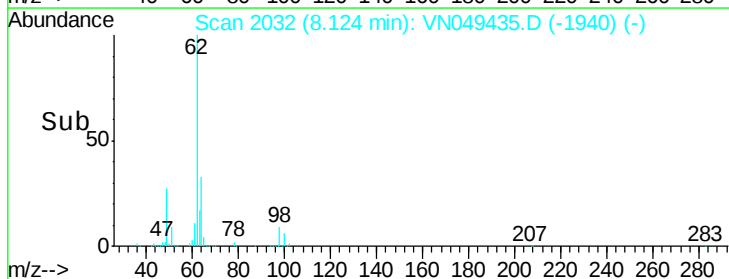
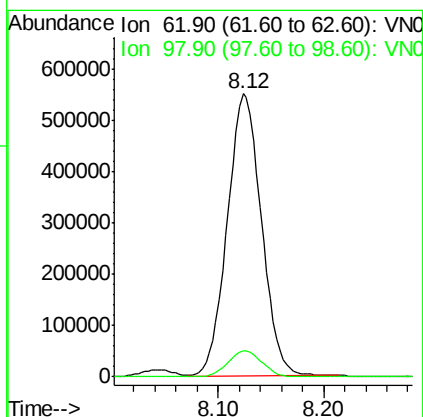
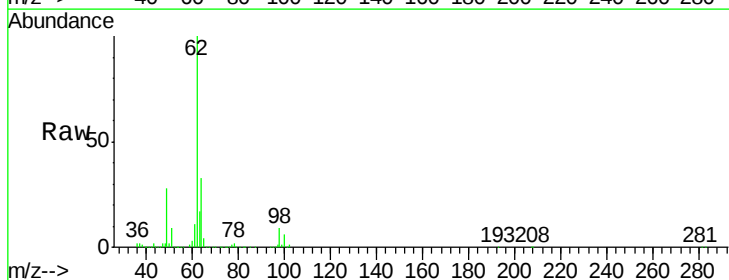
Instrument :
MSVOA_N
ClientSampleId :

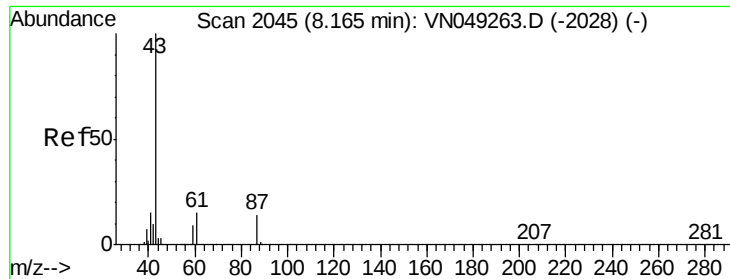
Tot Ion:	41	Resp:	368674
Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	95.6	0.0	0.0#
52	38.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 48.76 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion:	62	Resp:	1233960
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 53.06 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :

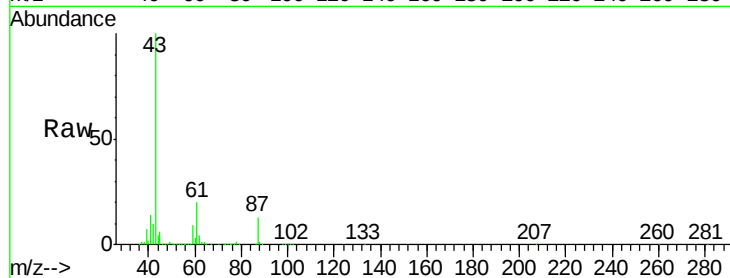
Tot Ion: 43 Resp: 1472603

Ion Ratio Lower Upper

43 100

61 18.4 14.2 21.4

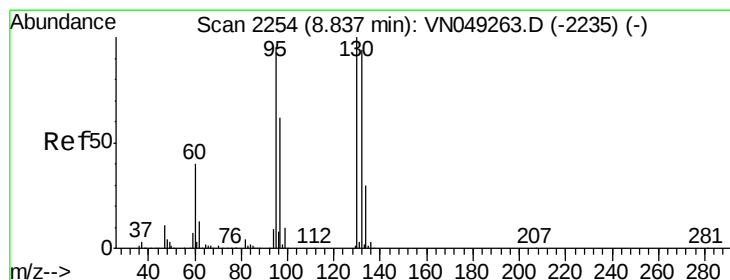
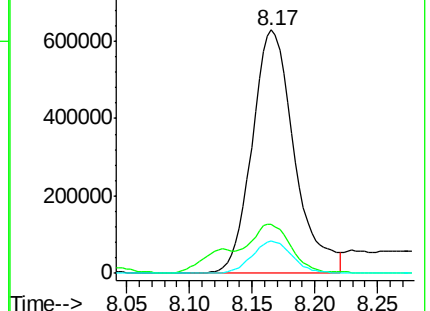
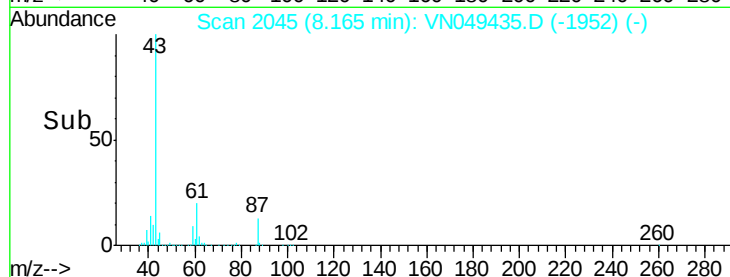
87 12.6 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049435.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049435.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049435.D (-1952) (-)



#44

Trichloroethene

Concen: 49.58 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049435.D

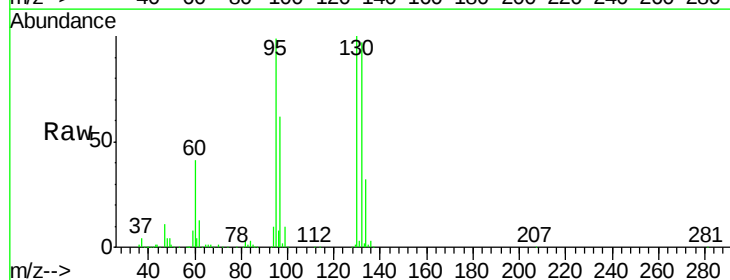
Acq: 20 Jun 2018 13:48

Tgt Ion: 130 Resp: 1072485

Ion Ratio Lower Upper

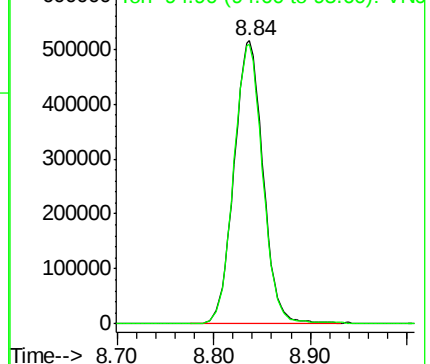
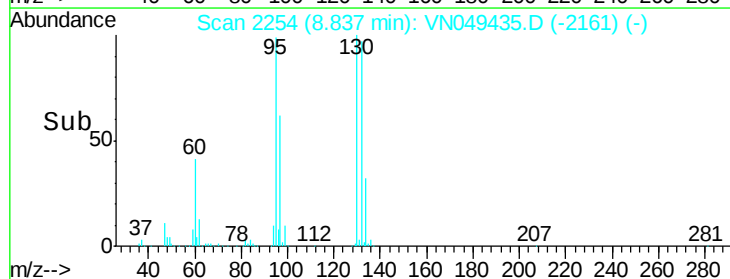
130 100

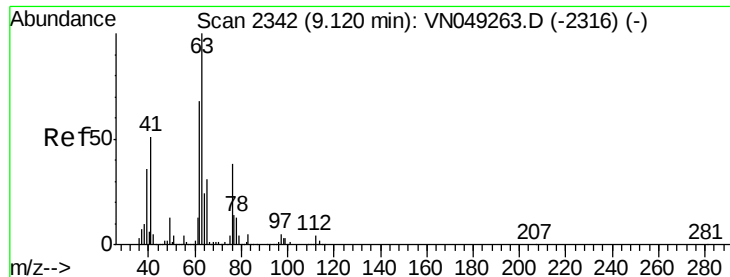
95 98.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049435.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049435.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 49.23 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

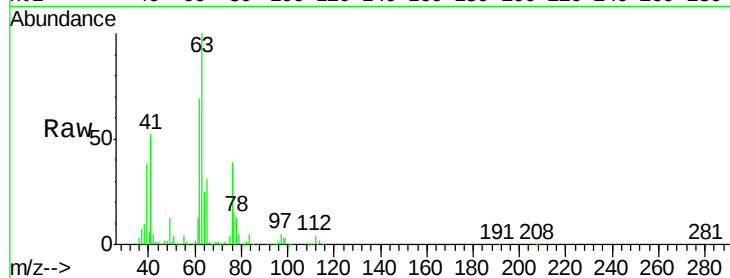
ClientSampled :

Tot Ion: 63 Resp: 1055791

Ion Ratio Lower Upper

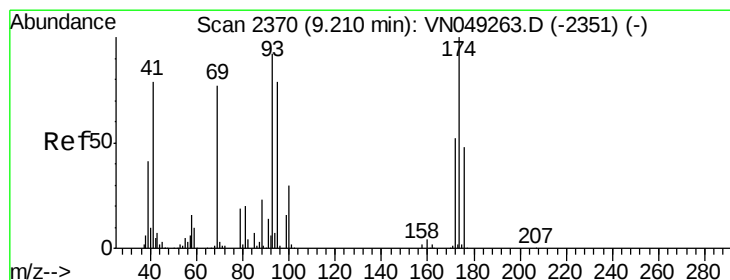
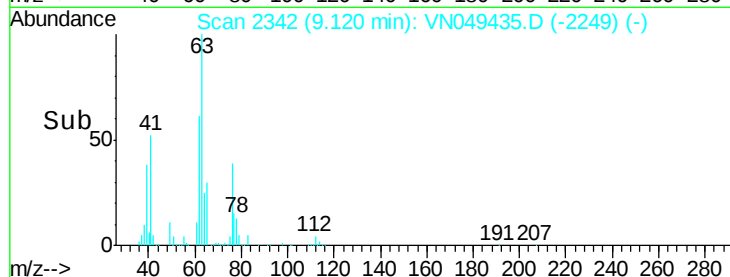
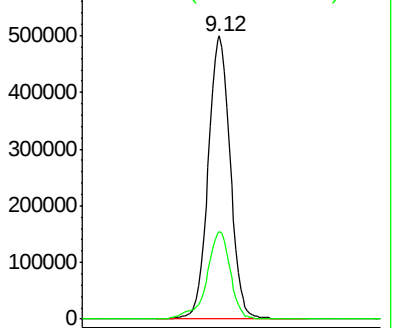
63 100

65 31.1 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: 49.07 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

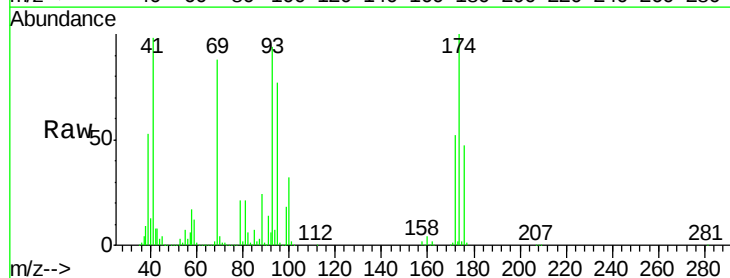
Tgt Ion: 93 Resp: 610242

Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

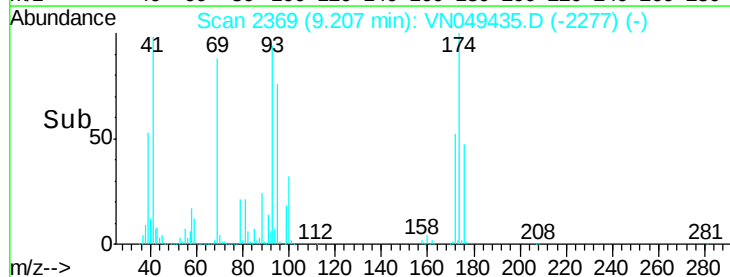
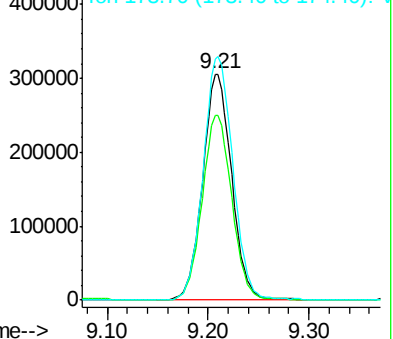
174 109.8 75.6 113.4

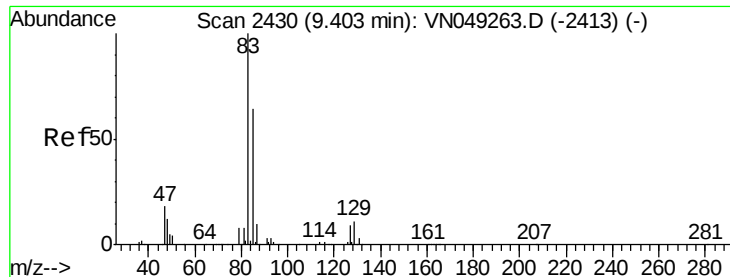


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :

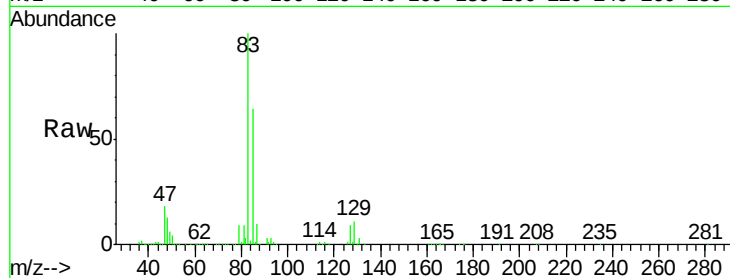
Tot Ion: 83 Resp: 1344173

Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.0
127	8.7	6.3	9.5

83 100

85 64.1 49.4 74.0

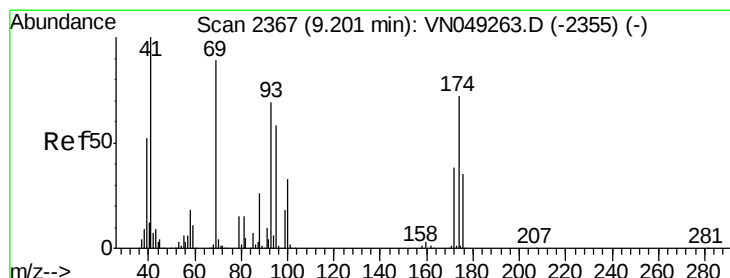
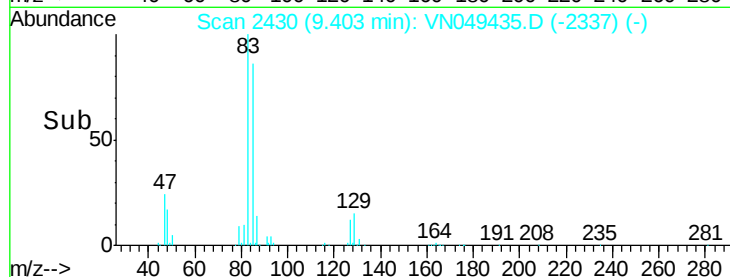
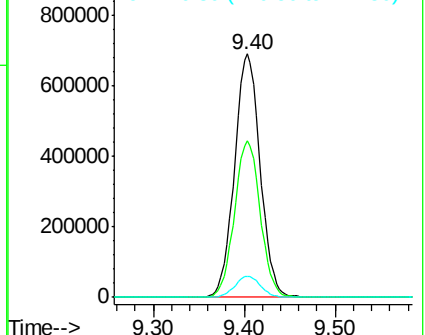
127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049435.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049435.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049435.D (-2337) (-)



#48

Methyl methacrylate

Concen: 51.53 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

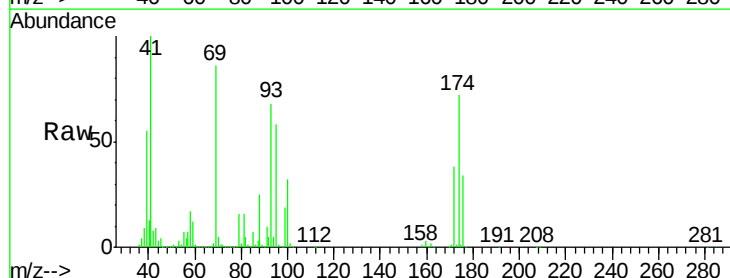
Tgt Ion: 41 Resp: 673426

Ion	Ratio	Lower	Upper
41	100		
69	91.8	62.0	93.0
39	56.4	50.6	75.8

41 100

69 91.8 62.0 93.0

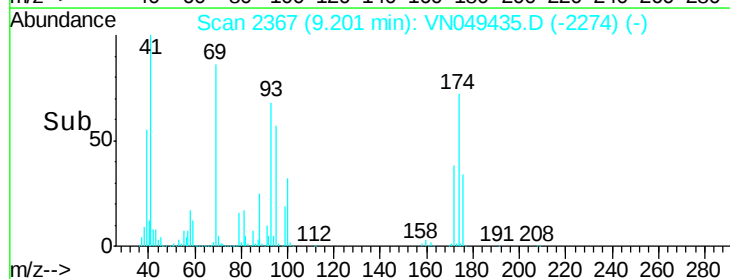
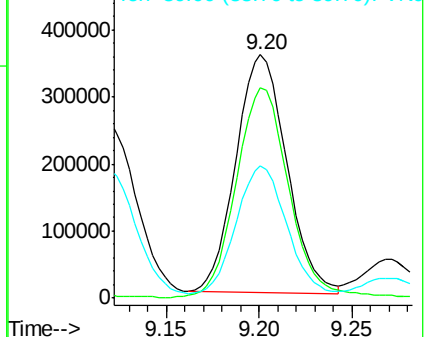
39 56.4 50.6 75.8

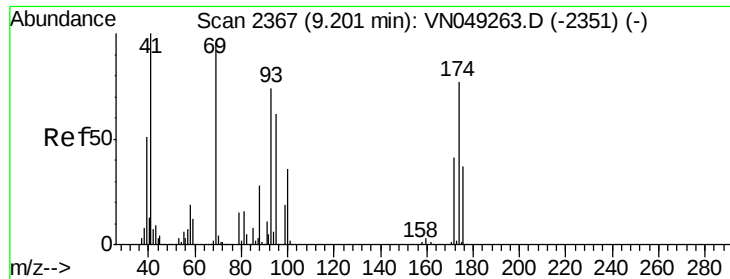


Abundance Ion 41.00 (40.70 to 41.70): VN049435.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049435.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049435.D (-2274) (-)

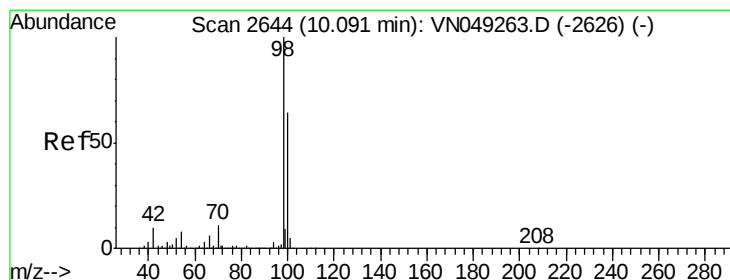
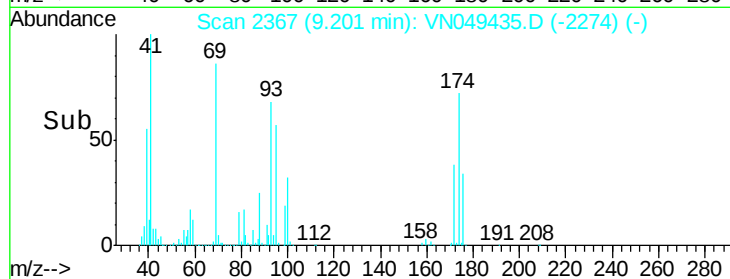
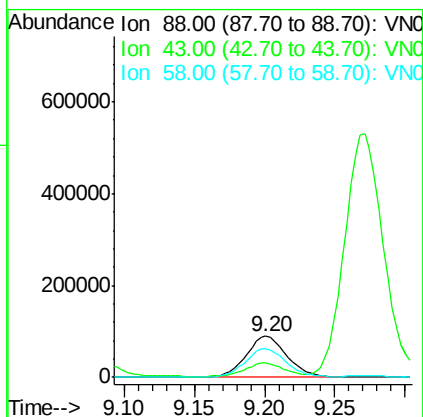
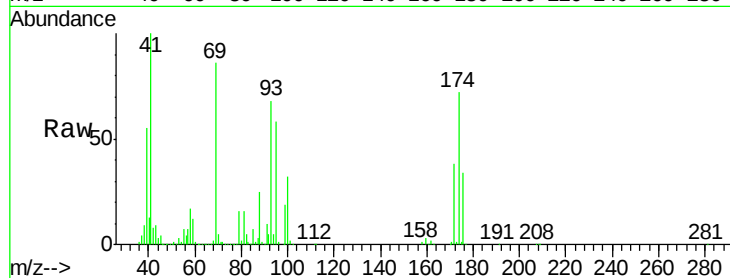




#49
1,4-Dioxane
Concen: 1004.34 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

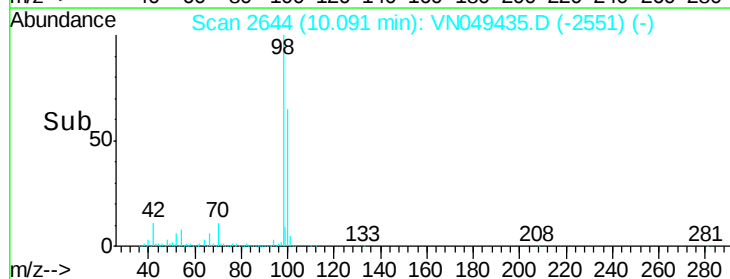
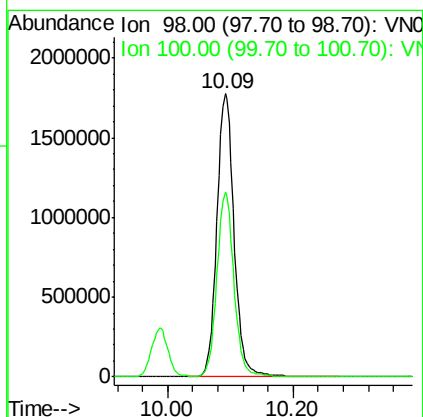
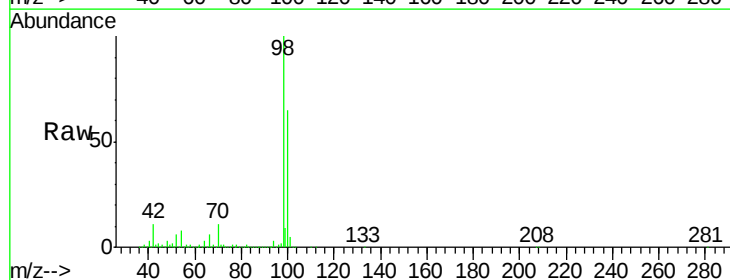
Instrument :
MSVOA_N
ClientSampleId :

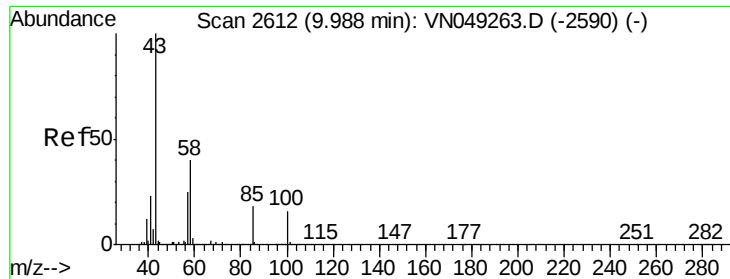
Tot Ion: 88 Resp: 181150
Ion Ratio Lower Upper
88 100
43 31.2 30.9 46.3
58 70.0 58.9 88.3



#50
Toluene-d8
Concen: 47.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 98 Resp: 3387029
Ion Ratio Lower Upper
98 100
100 64.4 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 260.36 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

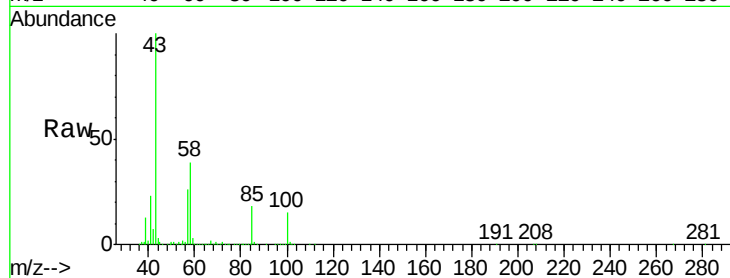
ClientSampleId :

Tot Ion: 43 Resp: 3786861

Ion Ratio Lower Upper

43 100

58 39.7 29.0 43.6



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

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

9.99

2000000

1500000

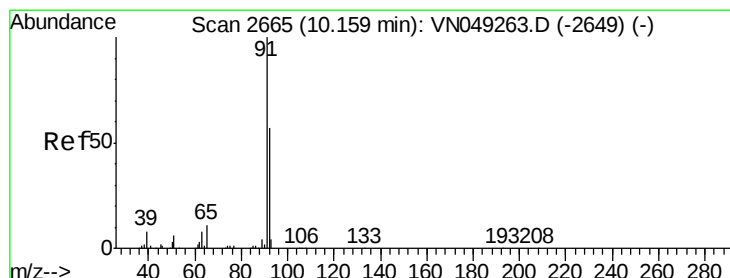
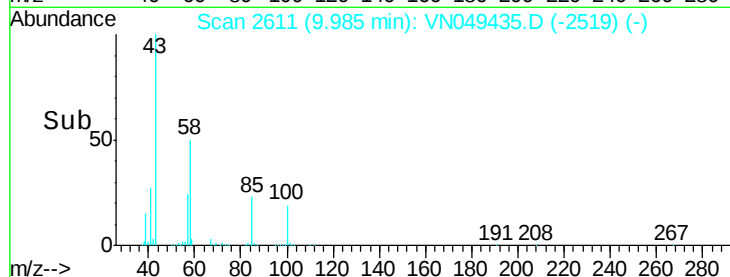
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 51.85 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049435.D

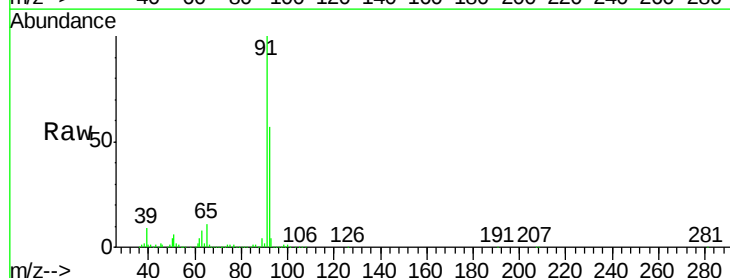
Acq: 20 Jun 2018 13:48

Tgt Ion: 92 Resp: 2492607

Ion Ratio Lower Upper

92 100

91 175.7 143.4 215.2



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

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

10.16

2500000

2000000

1500000

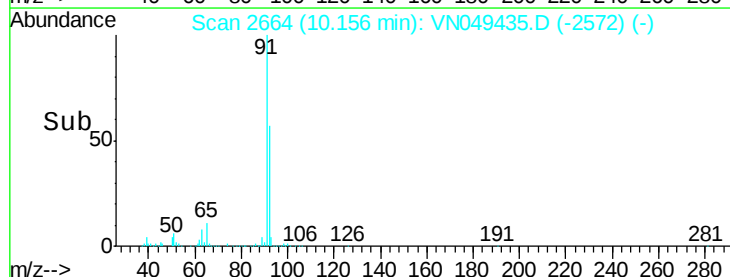
1000000

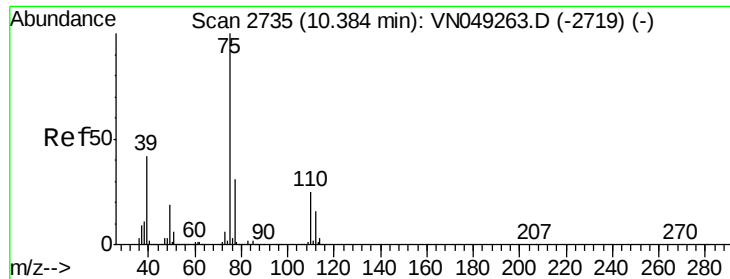
500000

0

10.00 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.22 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

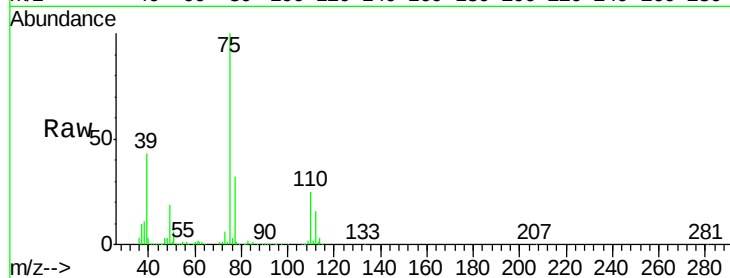
ClientSampleId :

Tot Ion: 75 Resp: 1365193

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

800000

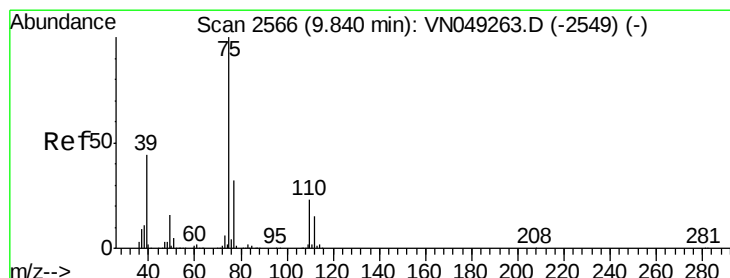
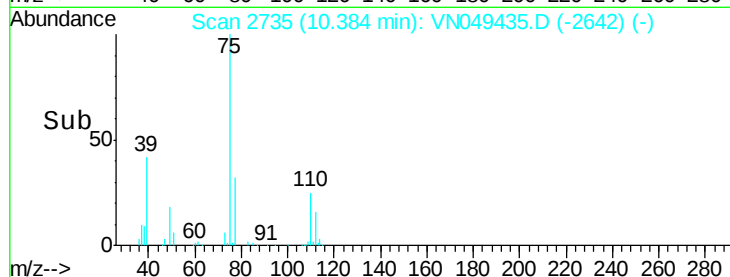
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.10 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

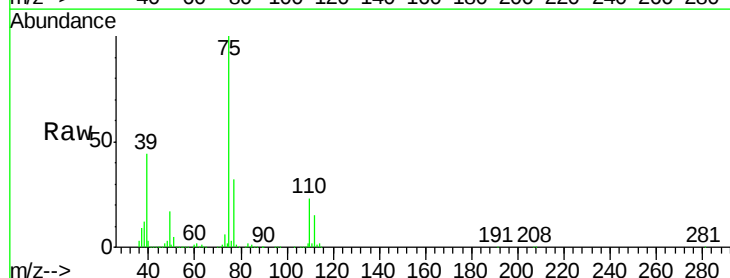
Tgt Ion: 75 Resp: 1577479

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 44.3 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1000000

800000

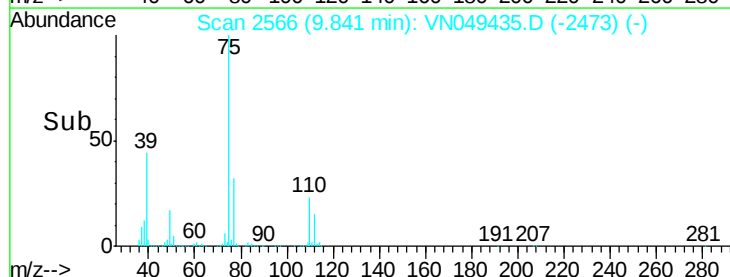
600000

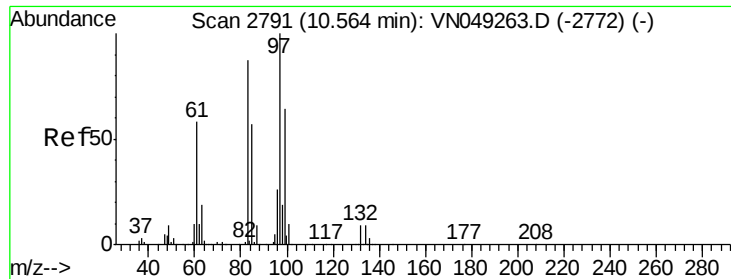
400000

200000

0

Time-->

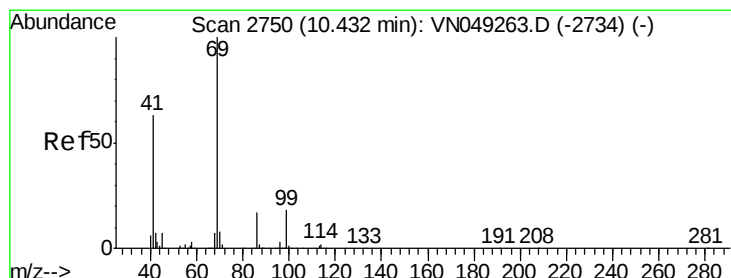
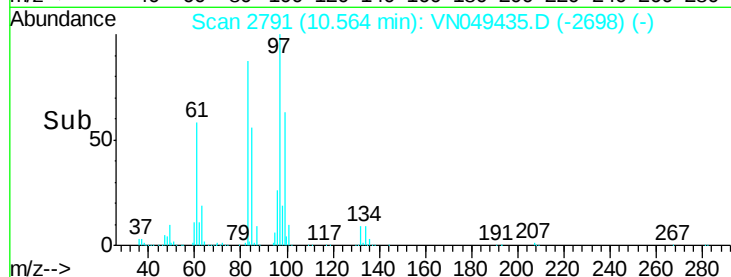
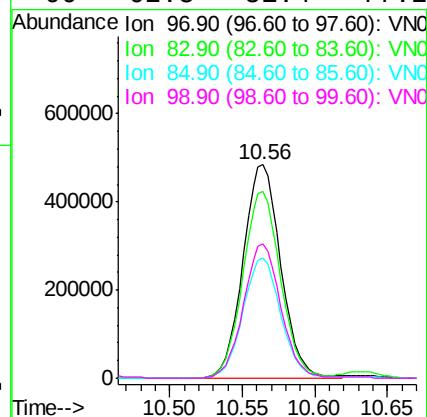
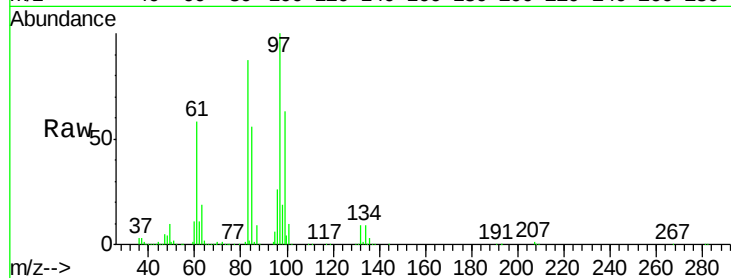




#55
 1,1,2-Trichloroethane
 Concen: 48.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

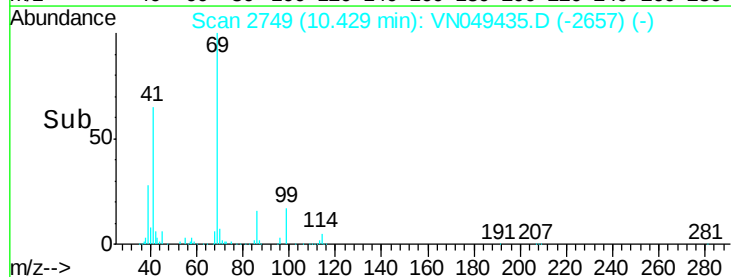
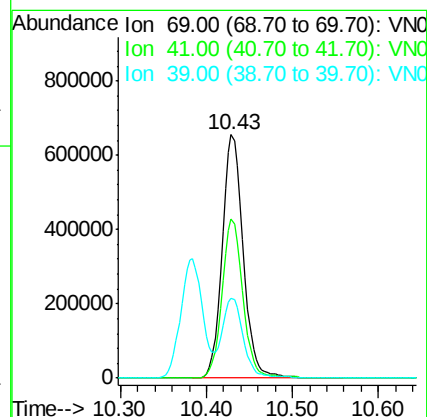
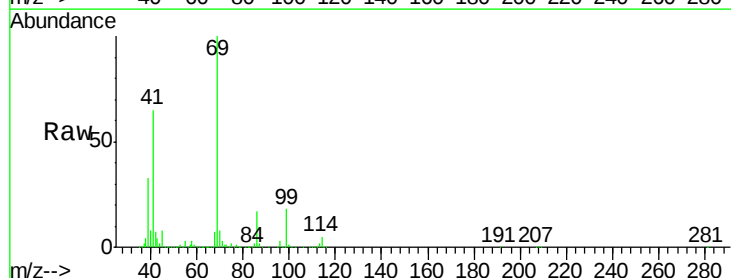
Instrument :
 MSVOA_N
 ClientSampleId :

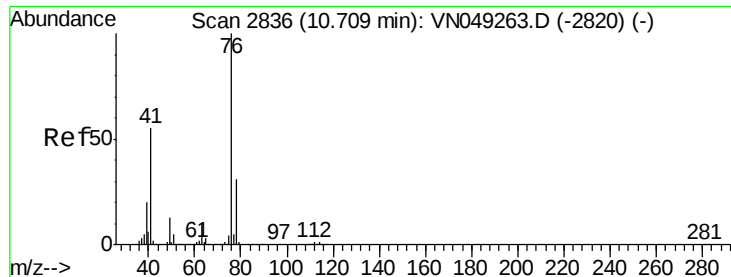
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.5	107.3
85	56.0	47.0	70.4
99	62.8	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 54.07 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.8	58.4	87.6
39	32.6	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 50.00 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

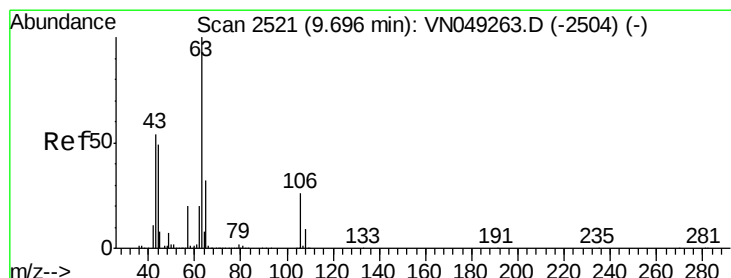
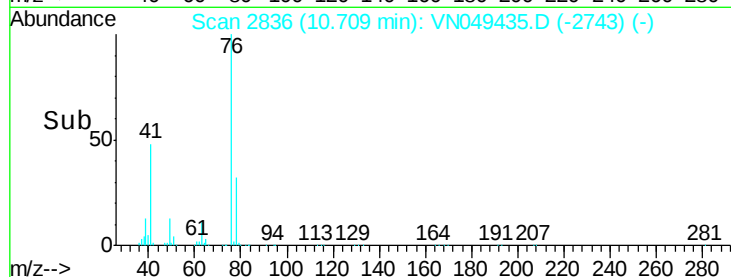
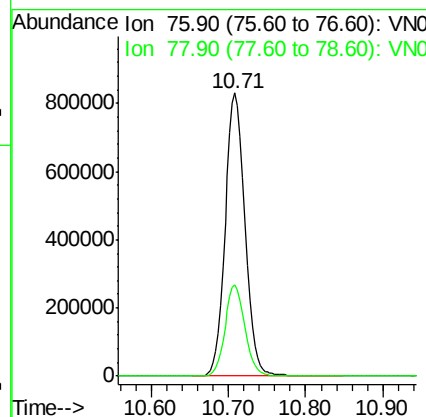
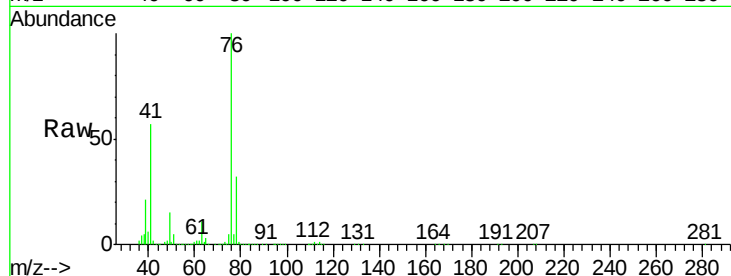
ClientSampleId :

Tot Ion: 76 Resp: 1484395

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 204.83 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049435.D

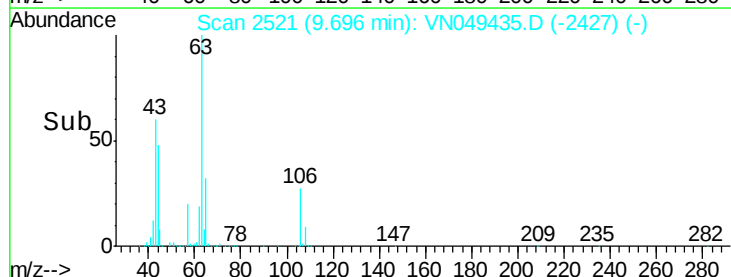
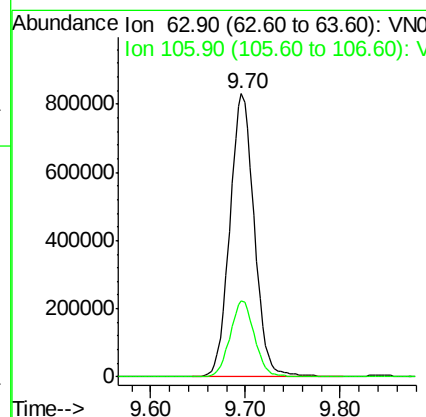
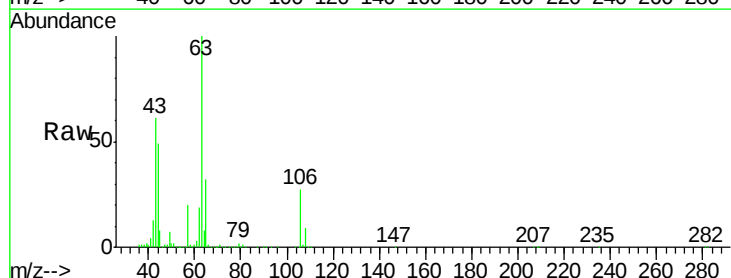
Acq: 20 Jun 2018 13:48

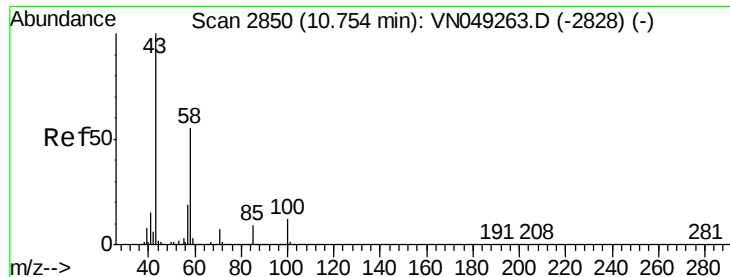
Tgt Ion: 63 Resp: 1493758

Ion Ratio Lower Upper

63 100

106 26.9 19.4 29.2

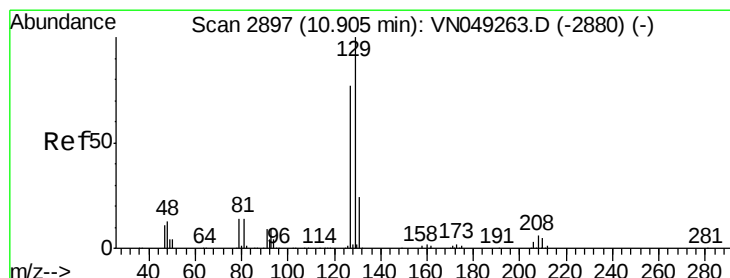
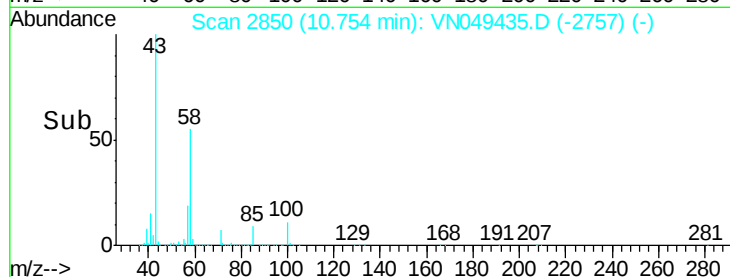
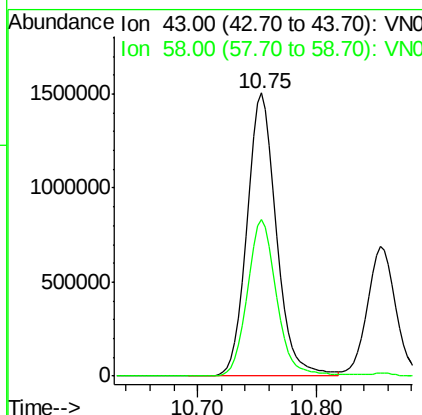
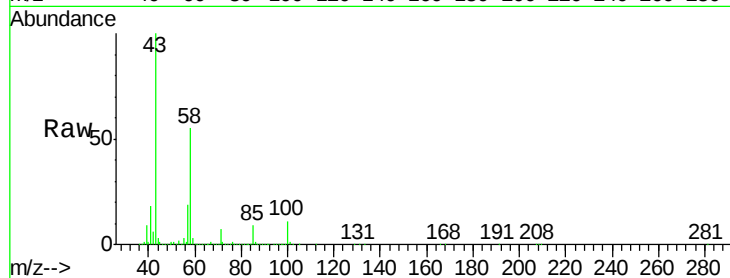




#59
2-Hexanone
Concen: 273.81 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

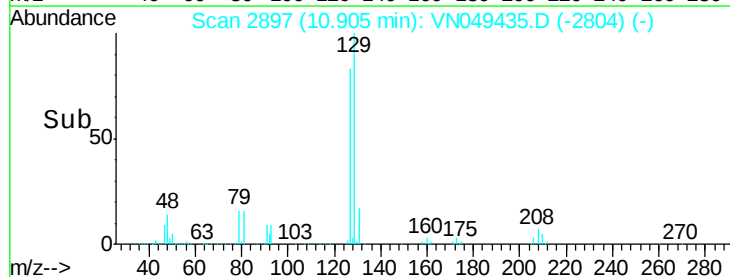
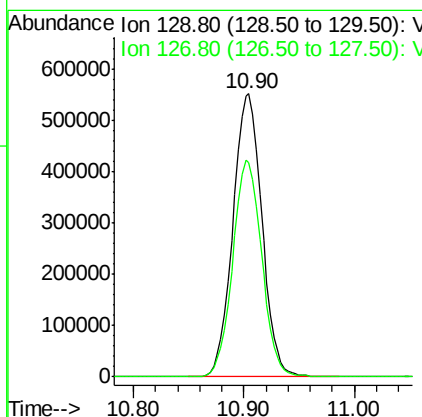
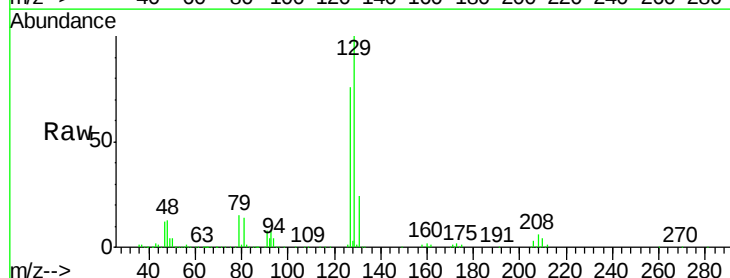
Instrument :
MSVOA_N
ClientSampleId :

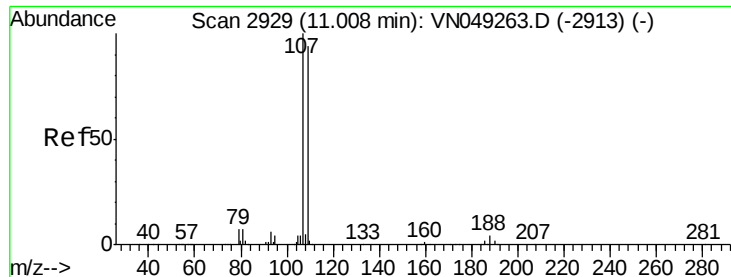
Tot Ion: 43 Resp: 2567522
Ion Ratio Lower Upper
43 100
58 55.3 25.2 75.6



#60
Dibromochloromethane
Concen: 50.36 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 129 Resp: 1007409
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2

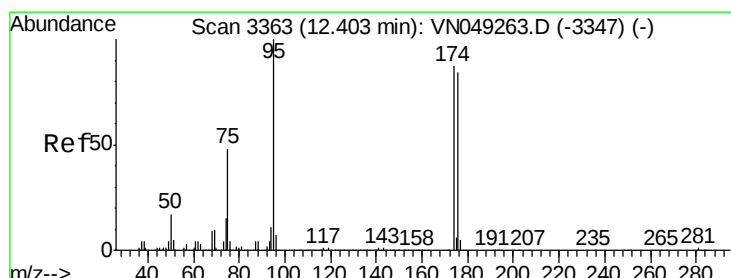
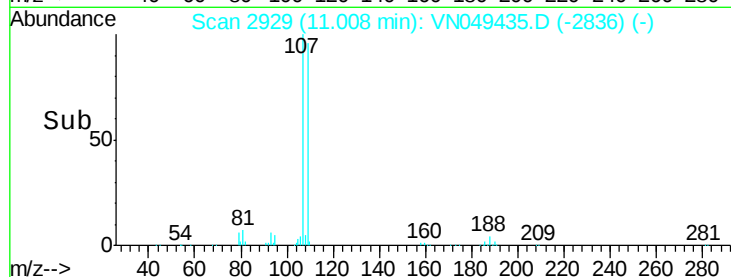
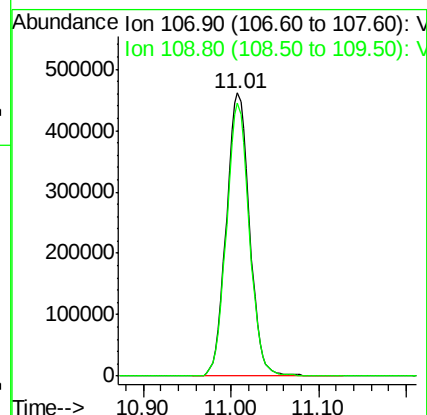
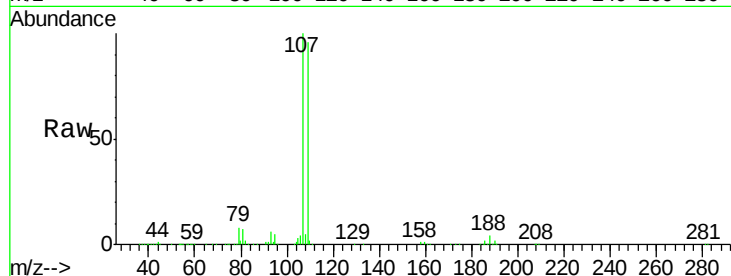




#61
 1,2-Dibromoethane
 Concen: 50.92 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

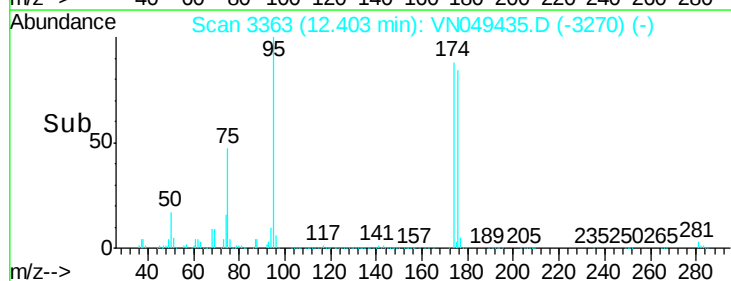
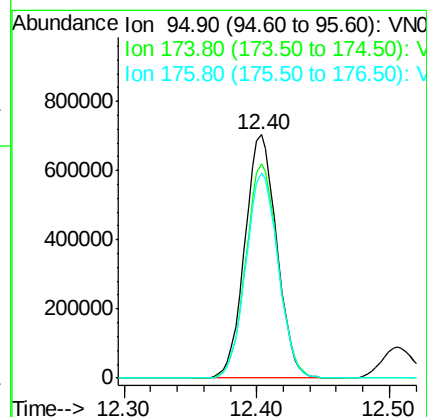
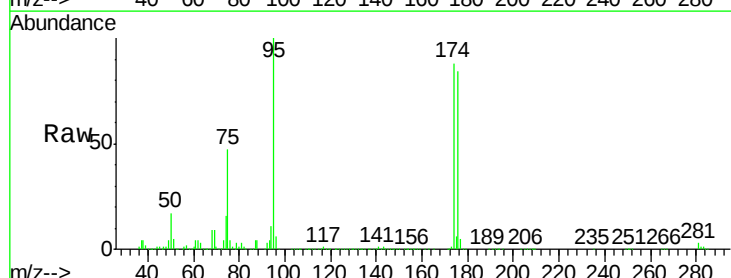
Instrument :
 MSVOA_N
 ClientSampled :

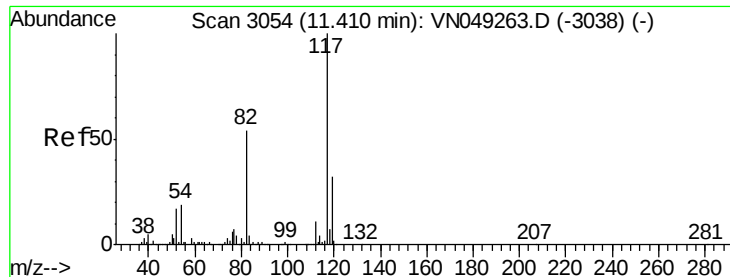
Tot Ion: 107 Resp: 848276
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.60 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 95 Resp: 1177701
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 165.6
 176 85.6 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: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

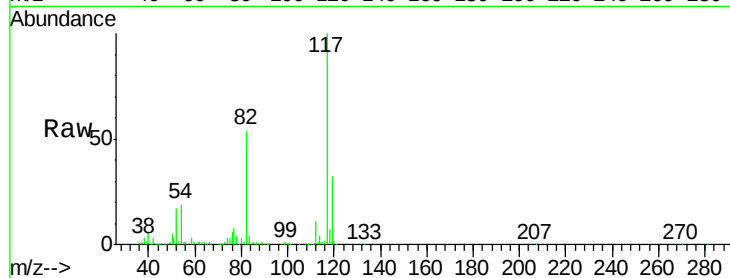
Tot Ion:117 Resp: 2161959

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

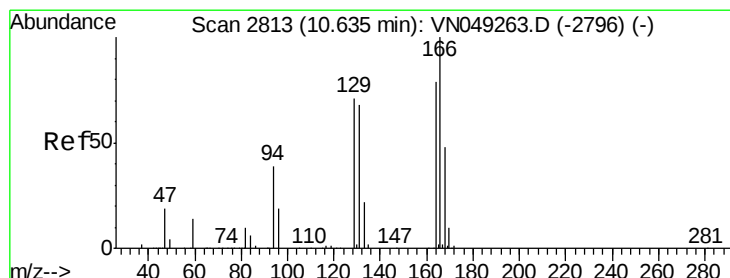
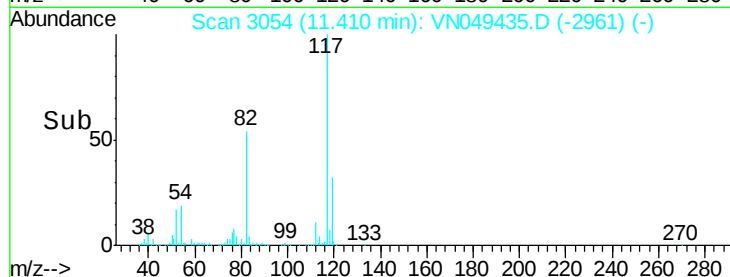
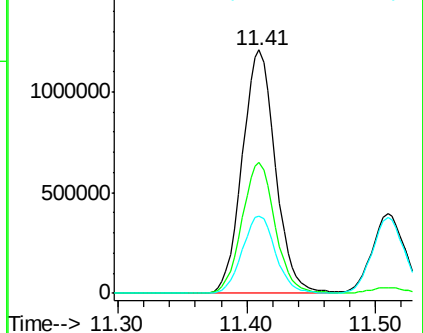
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.10 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion:164 Resp: 1132001

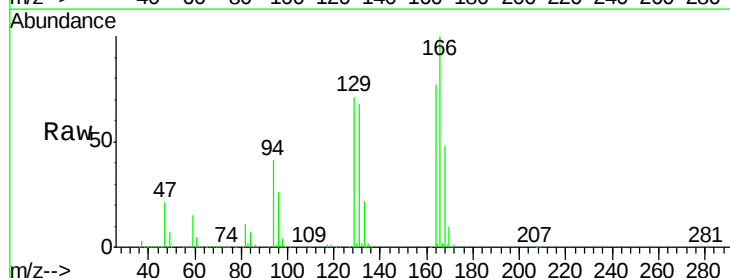
Ion Ratio Lower Upper

164 100

166 129.2 101.4 152.2

129 91.9 74.1 111.1

131 87.6 73.7 110.5

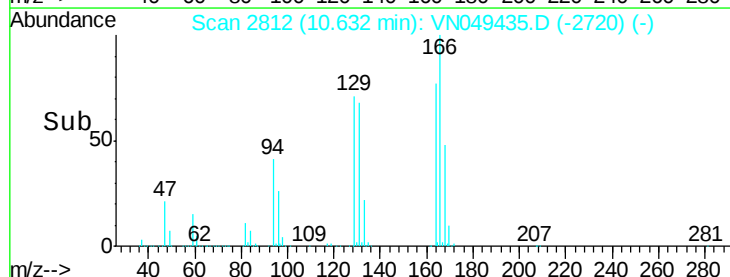
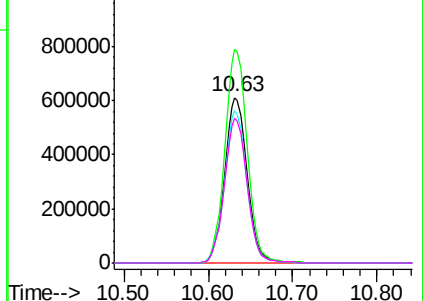


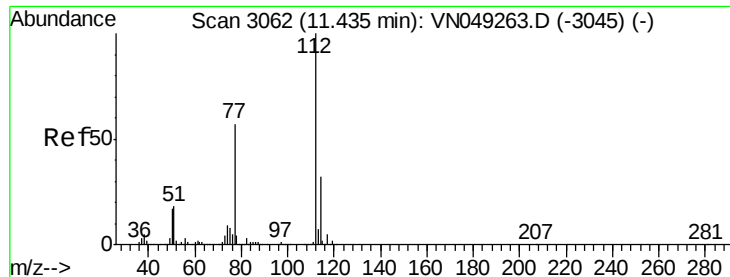
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.78 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

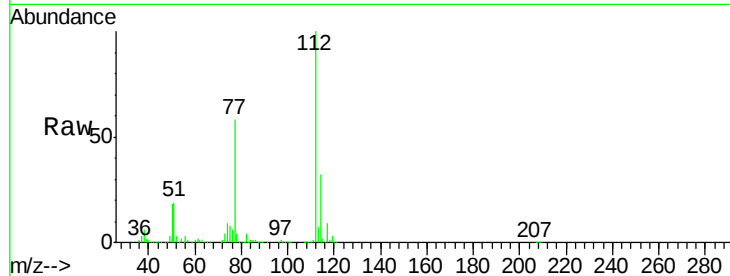
ClientSampleId :

Tot Ion:112 Resp: 2716874

Ion Ratio Lower Upper

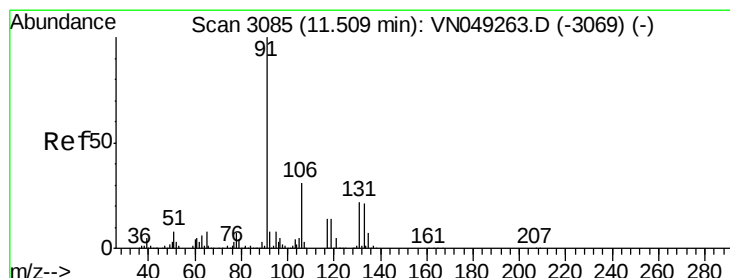
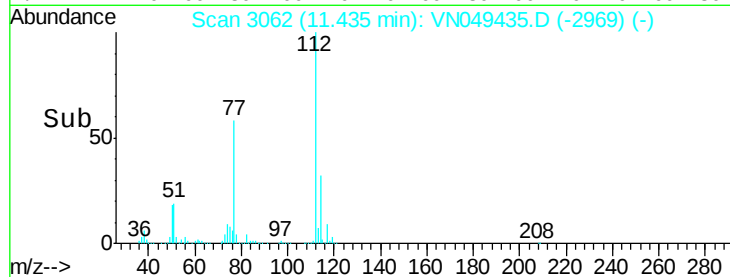
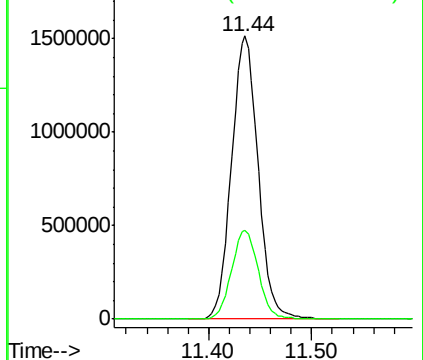
112 100

114 31.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.19 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

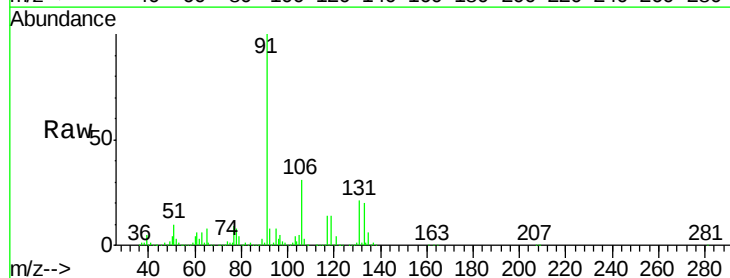
Tgt Ion:131 Resp: 1009969

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

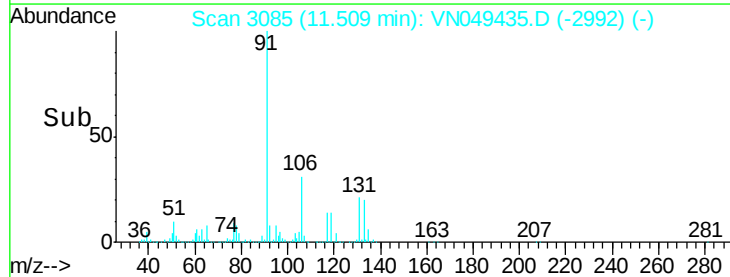
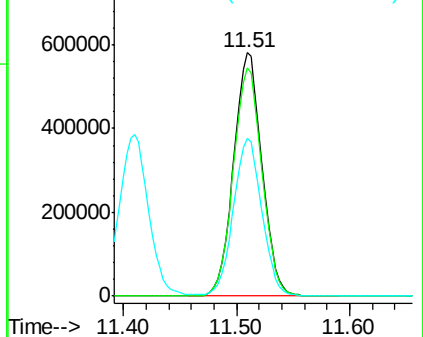
119 65.4 33.6 100.8

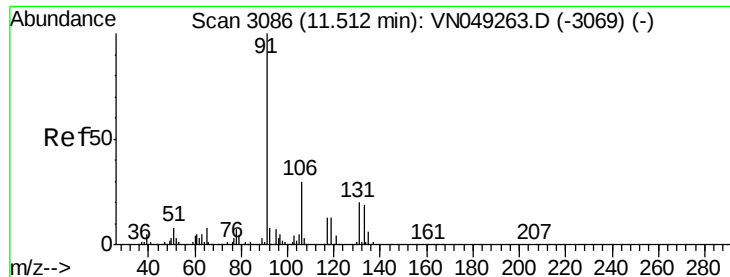


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.66 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

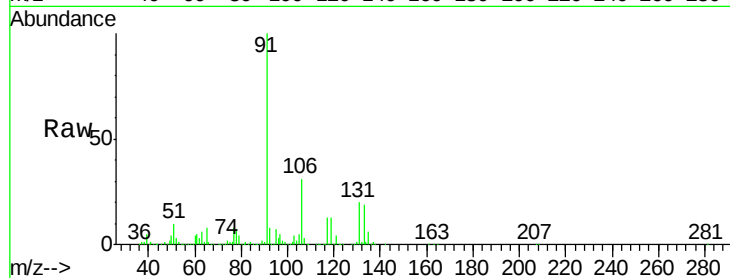
ClientSampled :

Tot Ion: 91 Resp: 4772091

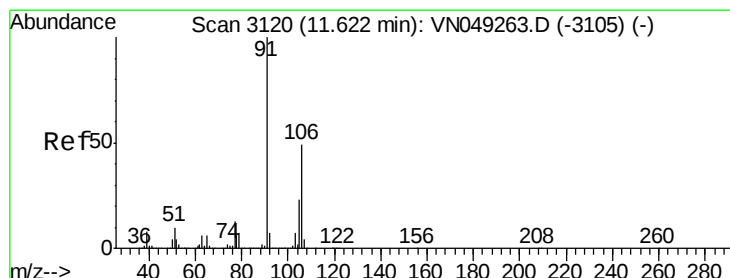
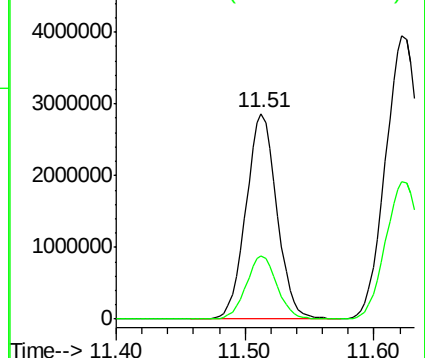
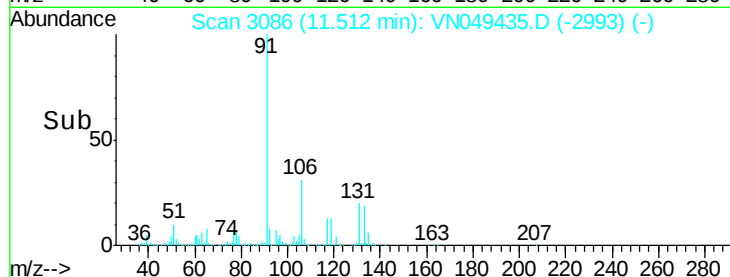
Ion Ratio Lower Upper

91 100

106 30.8 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049435.D (-2993) (-)



#68

m/p-Xylenes

Concen: 106.03 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049435.D

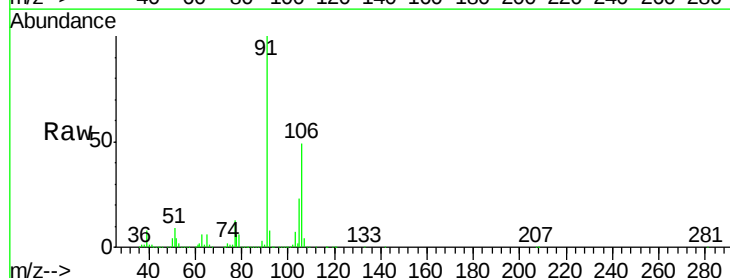
Acq: 20 Jun 2018 13:48

Tgt Ion: 106 Resp: 3675872

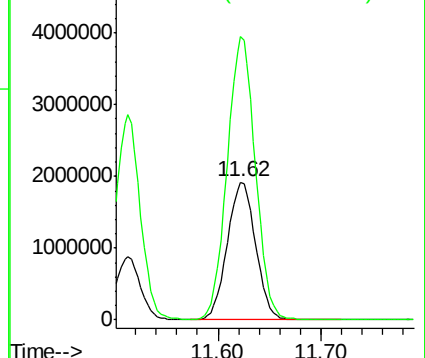
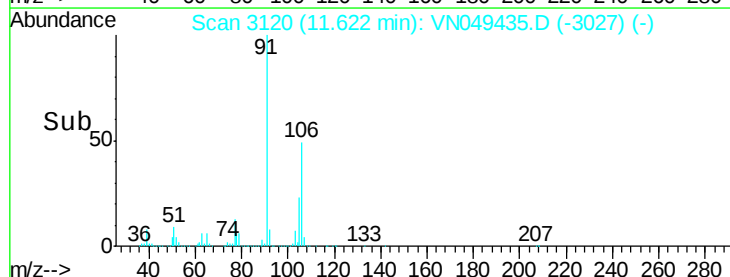
Ion Ratio Lower Upper

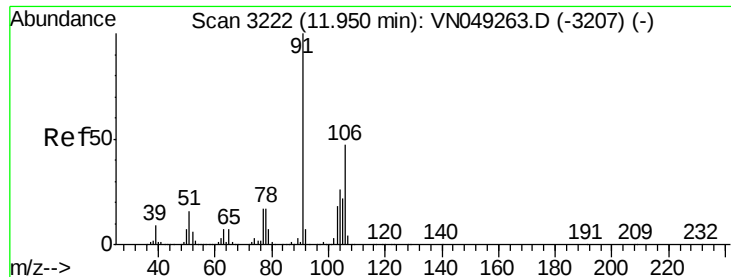
106 100

91 203.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049435.D (-3027) (-)





#69

o-Xylene

Concen: 52.61 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

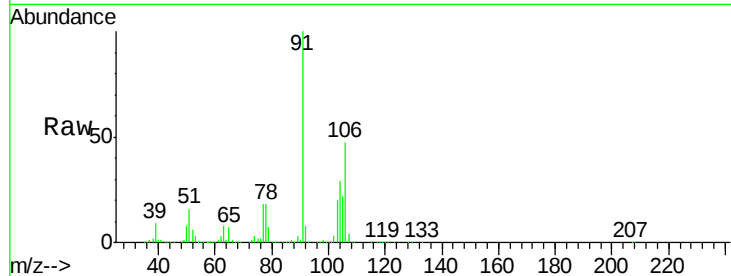
ClientSampled :

Tot Ion:106 Resp: 1756826

Ion Ratio Lower Upper

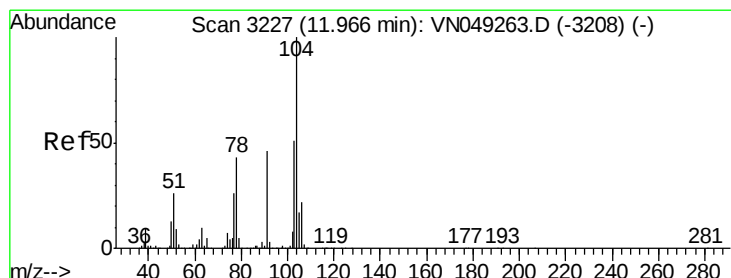
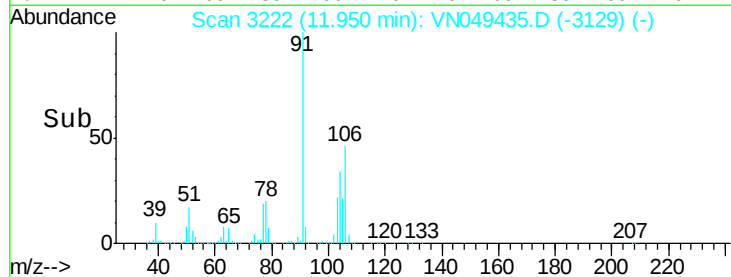
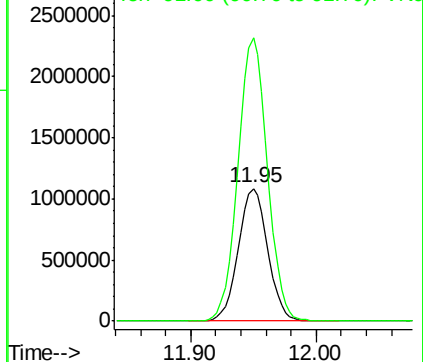
106 100

91 214.4 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 55.08 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

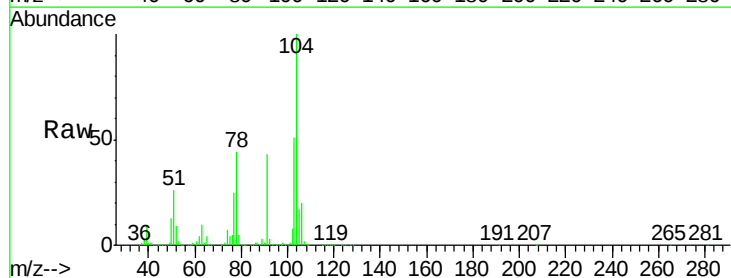
Tgt Ion:104 Resp: 2901376

Ion Ratio Lower Upper

104 100

78 48.8 41.6 62.4

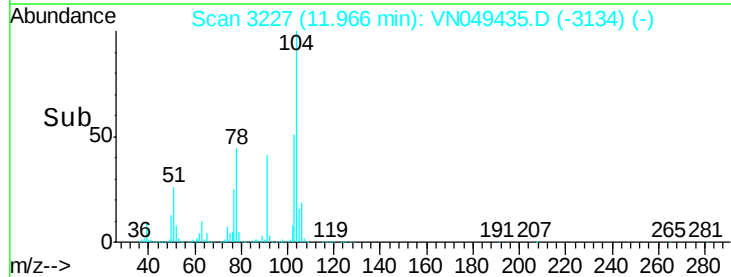
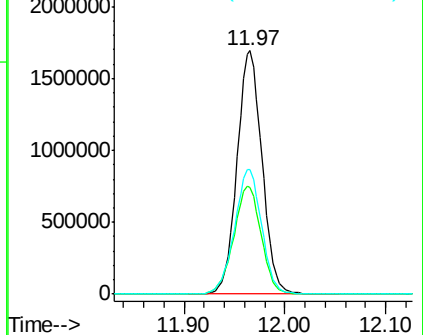
103 55.6 45.4 68.2

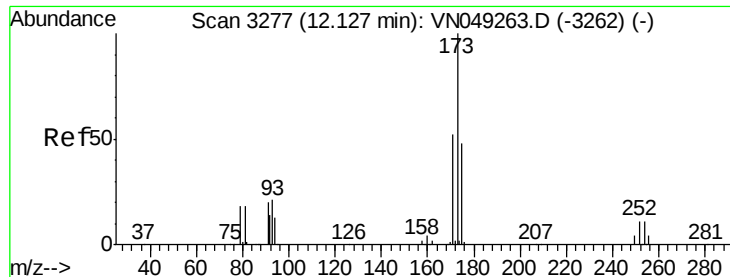


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.75 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

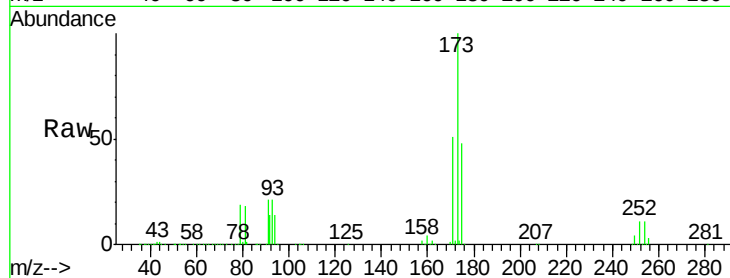
Tot Ion:173 Resp: 674952

Ion Ratio Lower Upper

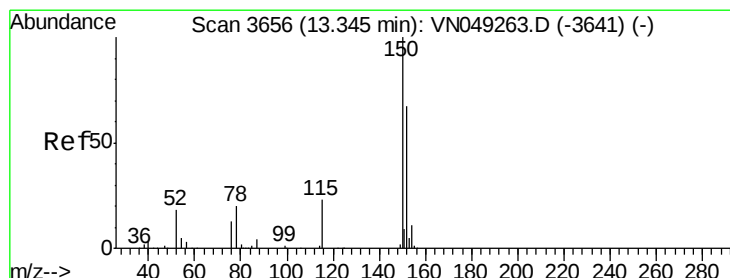
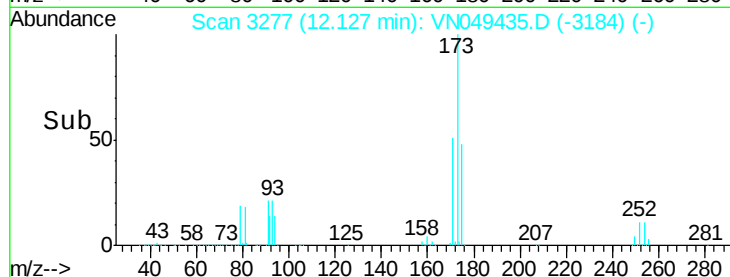
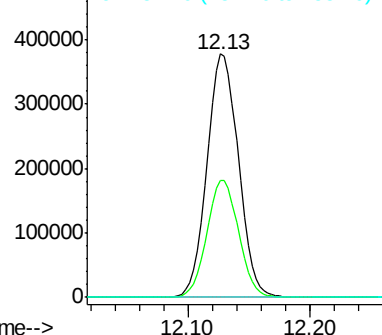
173 100

175 48.4 24.5 73.5

254 0.2 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: VN049435.D

Acq: 20 Jun 2018 13:48

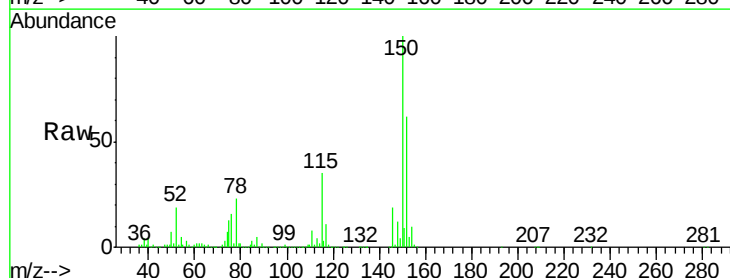
Tgt Ion:152 Resp: 1119456

Ion Ratio Lower Upper

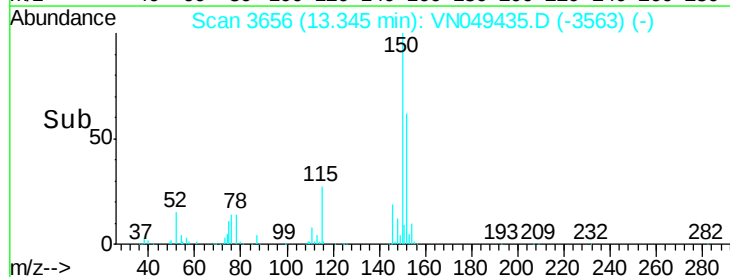
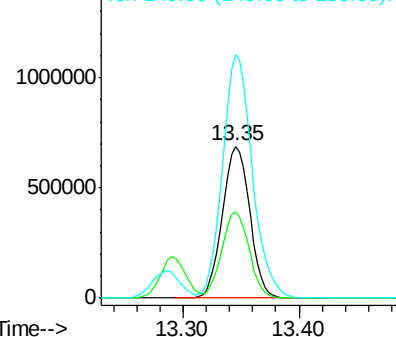
152 100

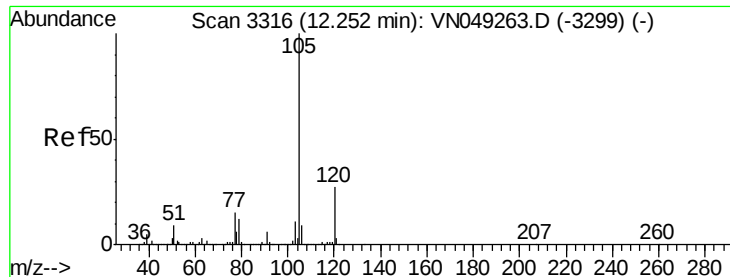
115 56.7 28.7 86.1

150 174.3 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: 47.89 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

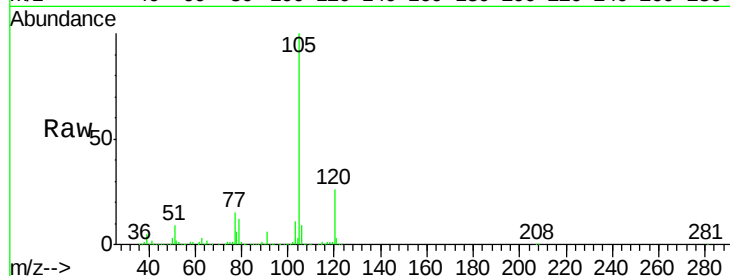
ClientSampleId :

Tot Ion:105 Resp: 4707193

Ion Ratio Lower Upper

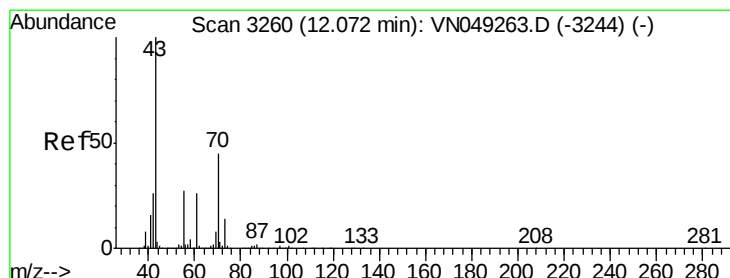
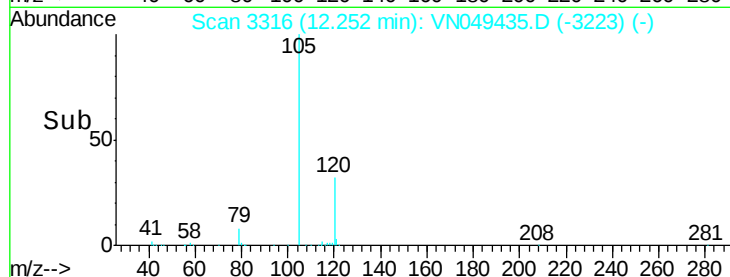
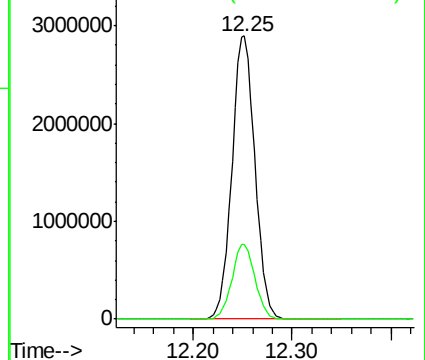
105 100

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: 49.76 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion: 43 Resp: 1198038

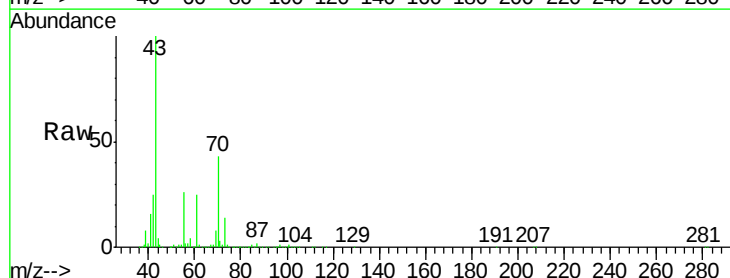
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 26.6 19.4 29.2

61 24.9 17.8 26.6

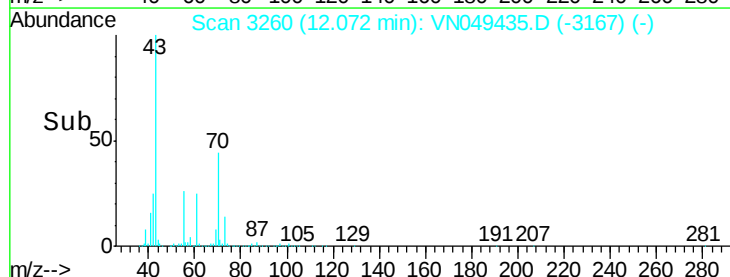
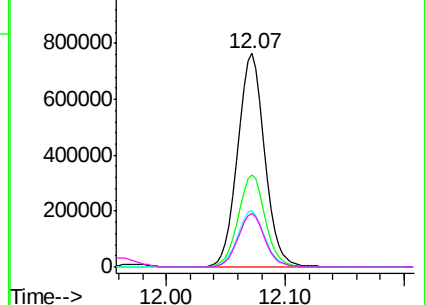


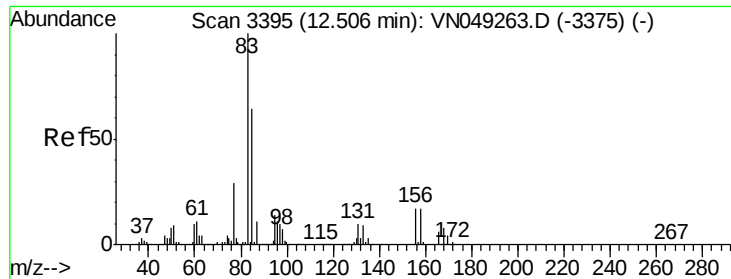
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

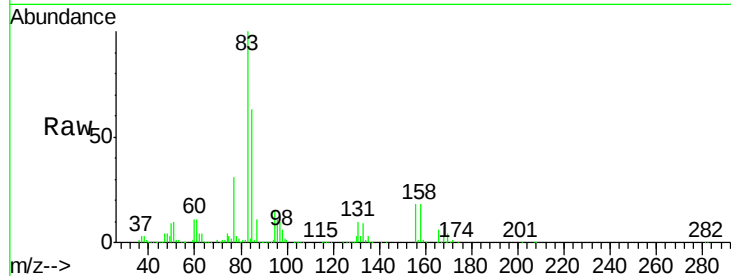
Tot Ion: 83 Resp: 995725

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

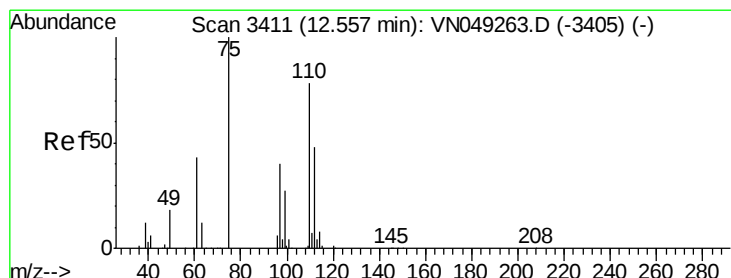
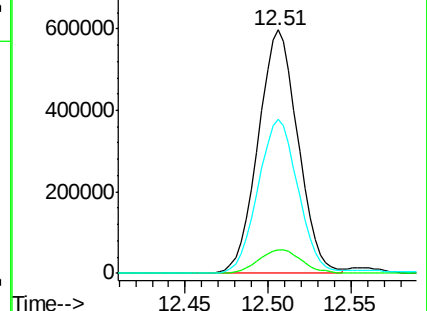
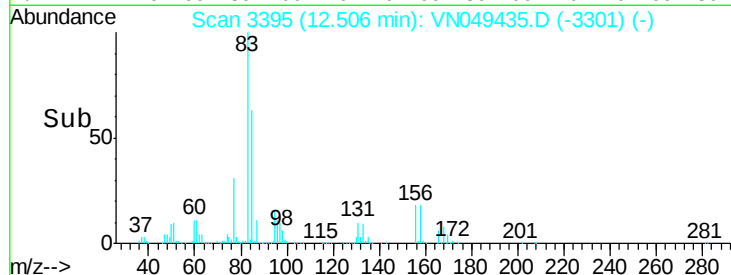
85 63.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049435.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049435.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049435.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 68.75 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049435.D

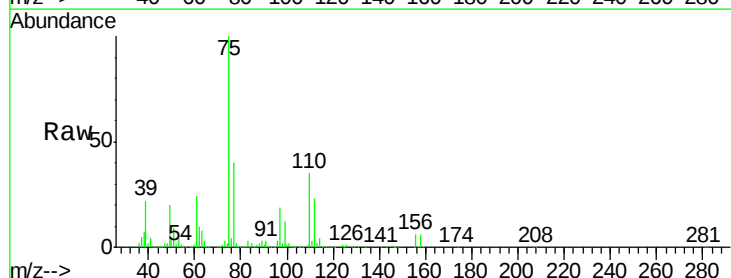
Acq: 20 Jun 2018 13:48

Tgt Ion: 75 Resp: 1313242

Ion Ratio Lower Upper

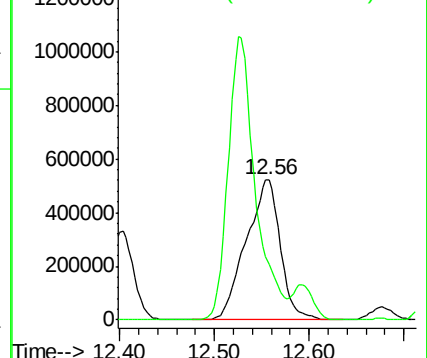
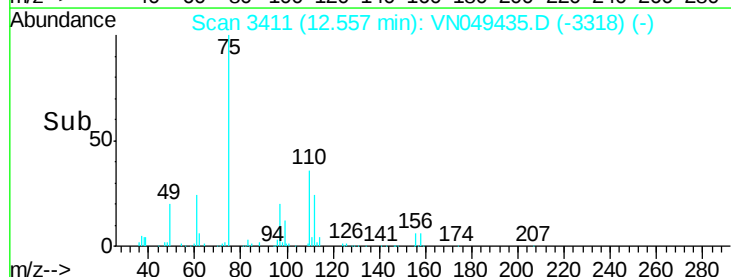
75 100

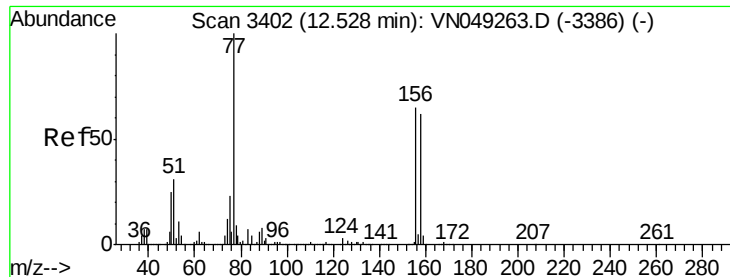
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049435.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049435.D (-3318) (-)





#77

Bromobenzene

Concen: 44.97 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

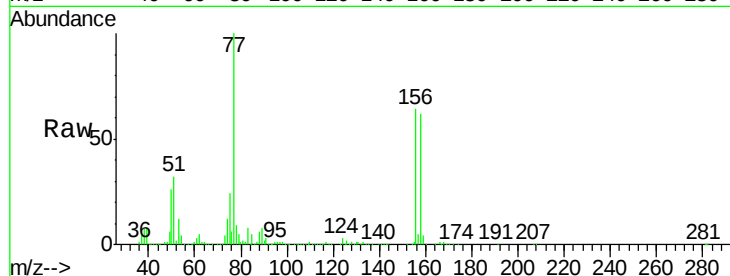
Tot Ion:156 Resp: 1167576

Ion Ratio Lower Upper

156 100

77 180.8 100.8 302.4

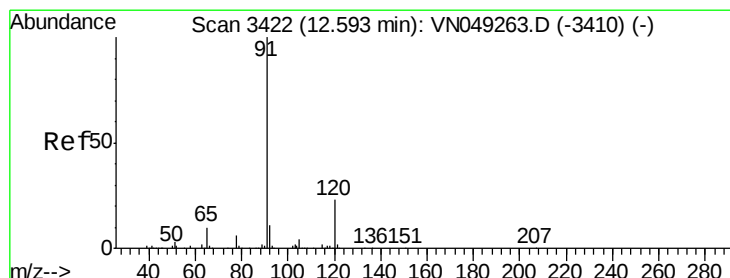
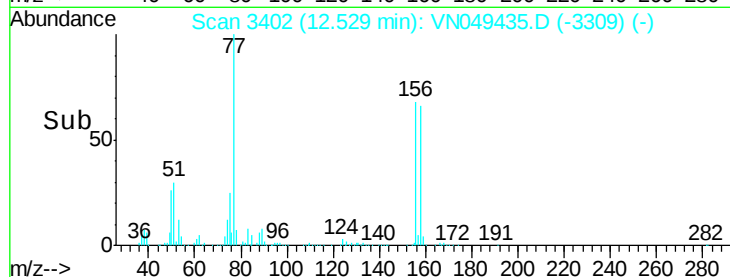
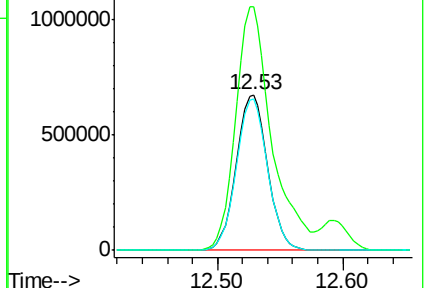
158 97.3 49.3 147.9



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: 50.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049435.D

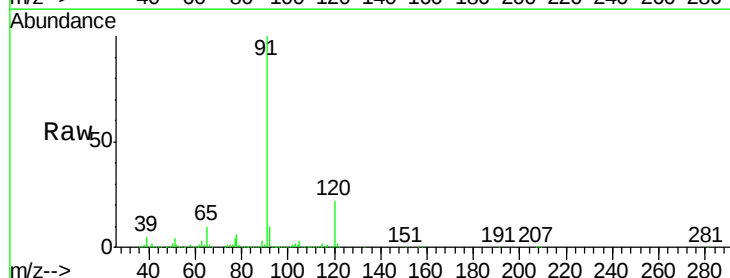
Acq: 20 Jun 2018 13:48

Tgt Ion: 91 Resp: 5423824

Ion Ratio Lower Upper

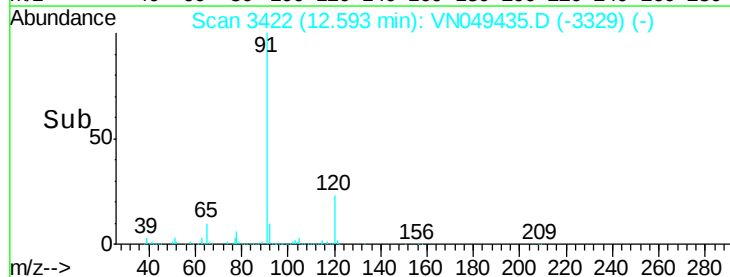
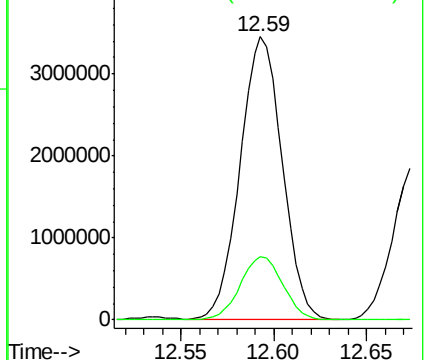
91 100

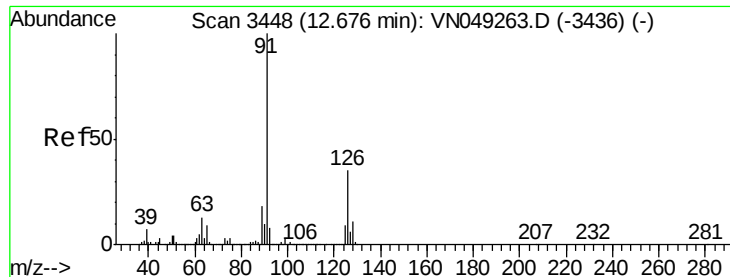
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.77 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

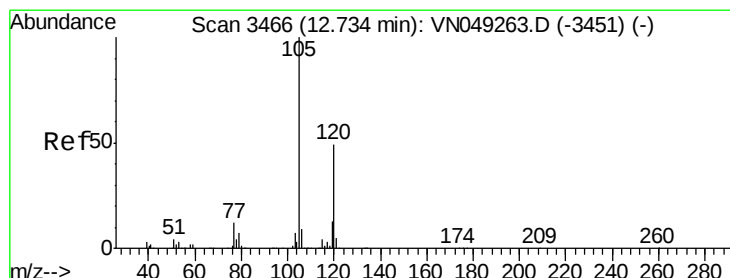
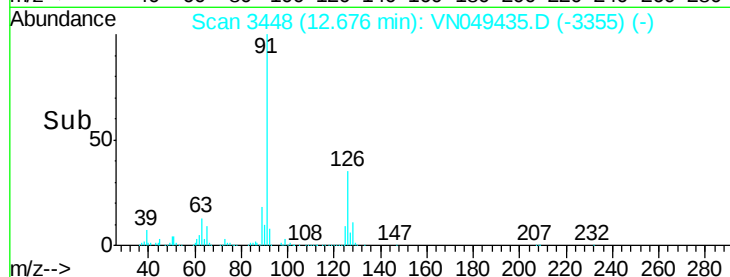
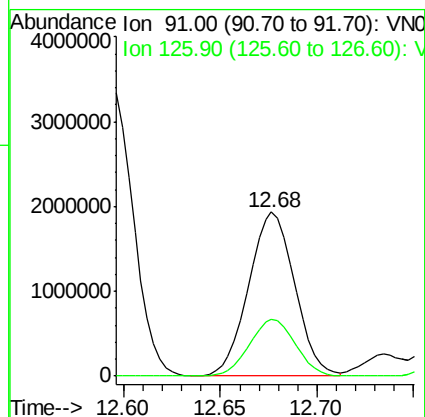
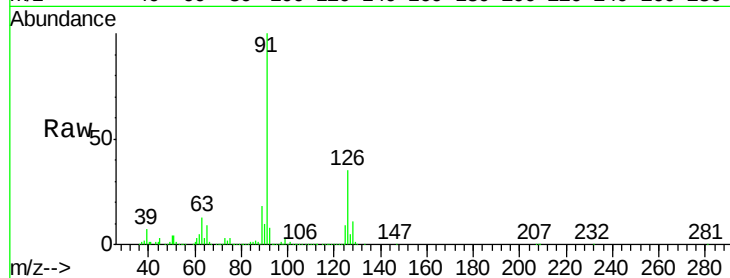
ClientSampled :

Tot Ion: 91 Resp: 3198237

Ion Ratio Lower Upper

91 100

126 34.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 50.17 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049435.D

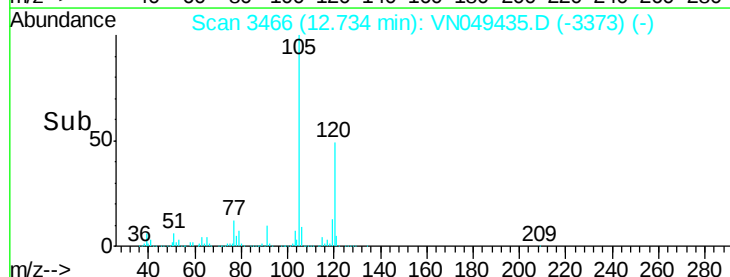
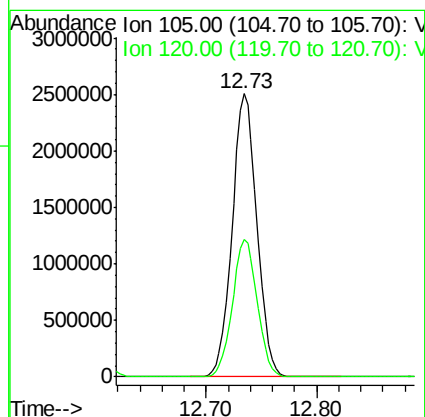
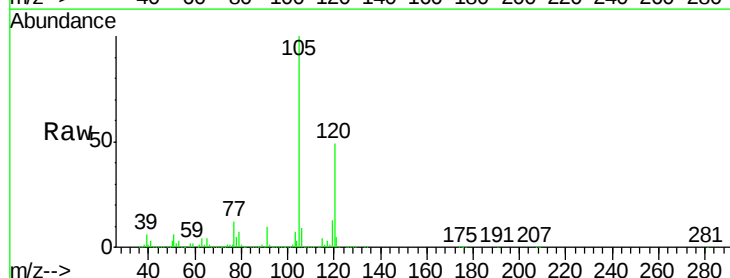
Acq: 20 Jun 2018 13:48

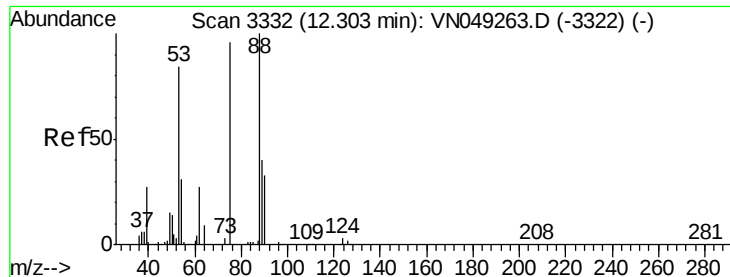
Tgt Ion:105 Resp: 3875782

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.06 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

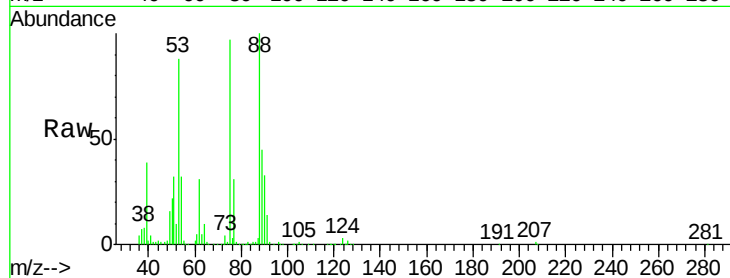
Tot Ion: 75 Resp: 290475

Ion Ratio Lower Upper

75 100

53 92.7 82.7 124.1

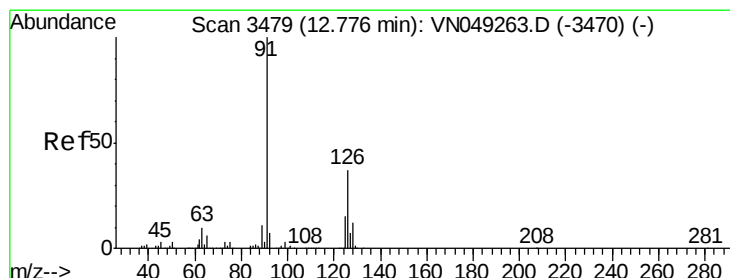
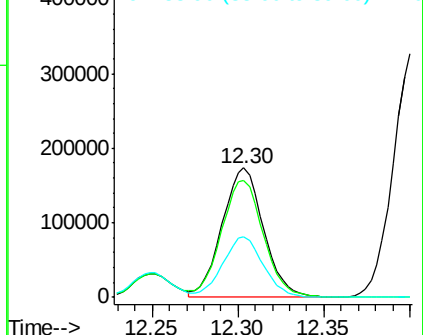
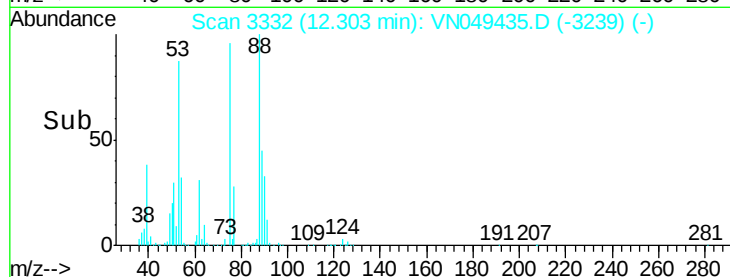
89 46.4 36.5 54.7



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: 48.94 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049435.D

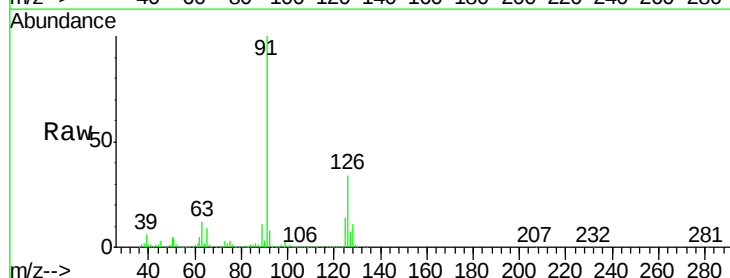
Acq: 20 Jun 2018 13:48

Tgt Ion: 91 Resp: 3228723

Ion Ratio Lower Upper

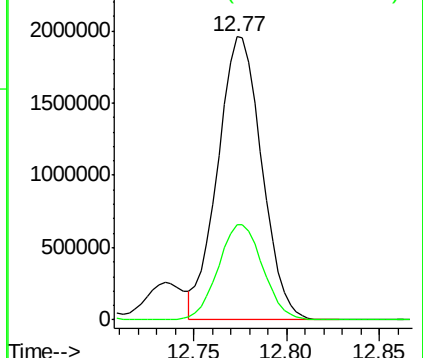
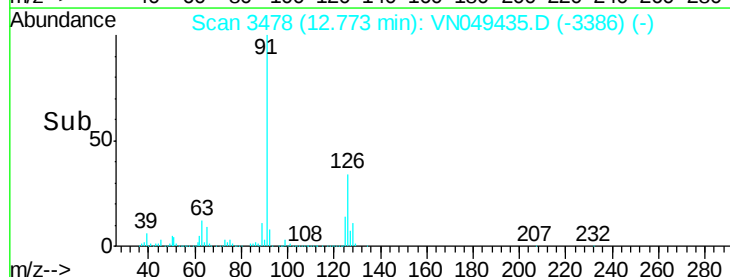
91 100

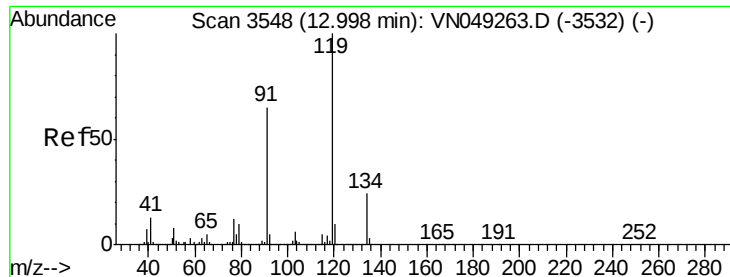
126 34.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.12 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

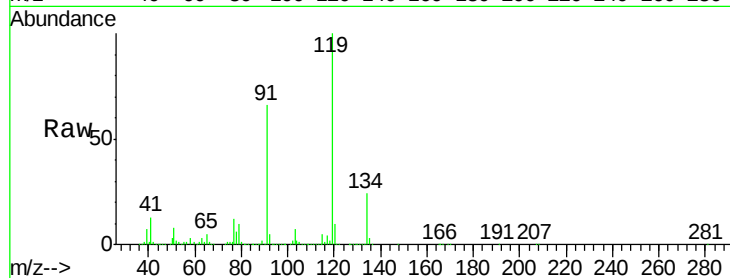
Tot Ion:119 Resp: 3225198

Ion Ratio Lower Upper

119 100

91 65.3 33.7 101.0

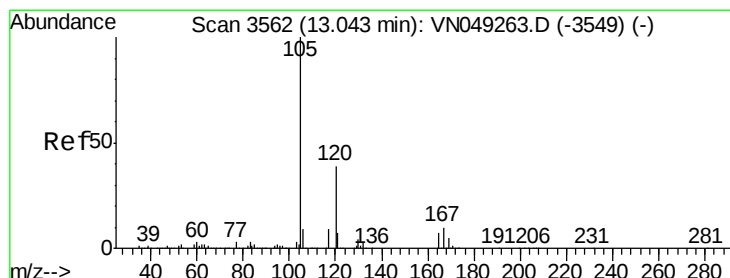
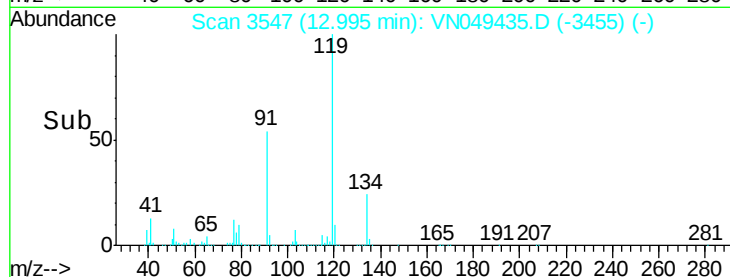
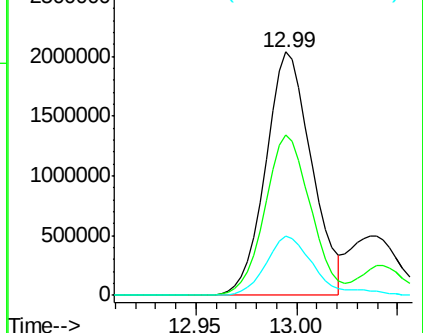
134 25.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.22 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049435.D

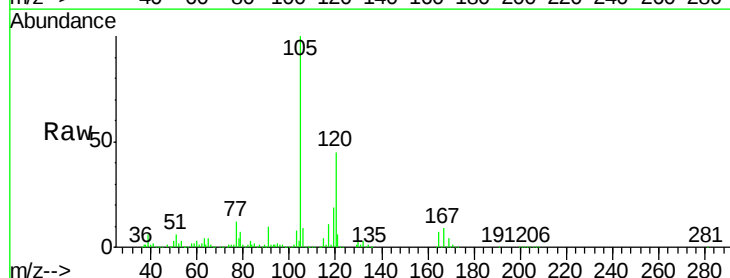
Acq: 20 Jun 2018 13:48

Tgt Ion:105 Resp: 3930893

Ion Ratio Lower Upper

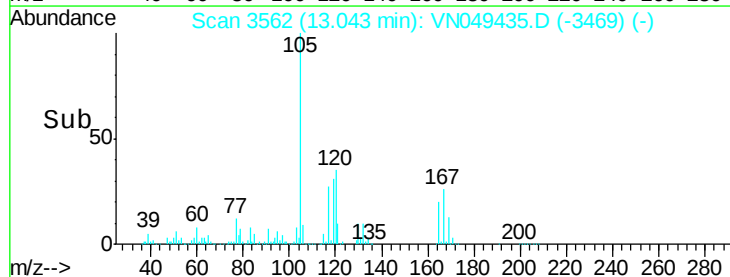
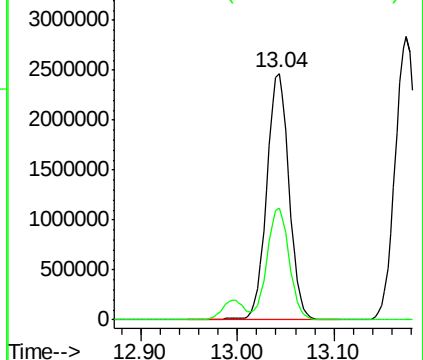
105 100

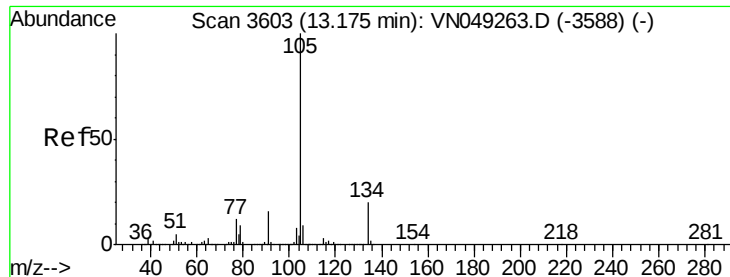
120 45.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

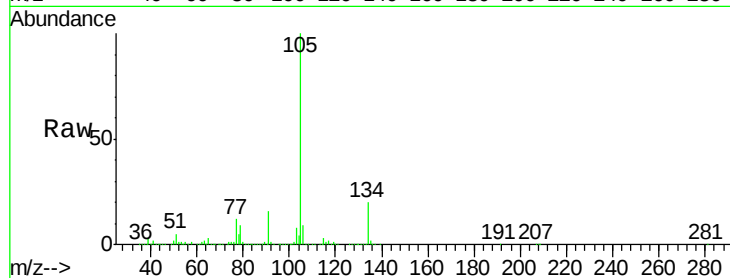
ClientSampleId :

Tot Ion:105 Resp: 4398725

Ion Ratio Lower Upper

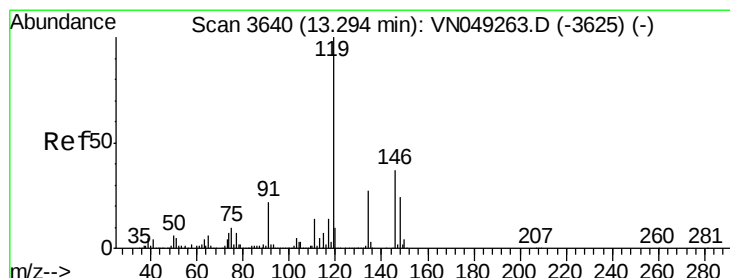
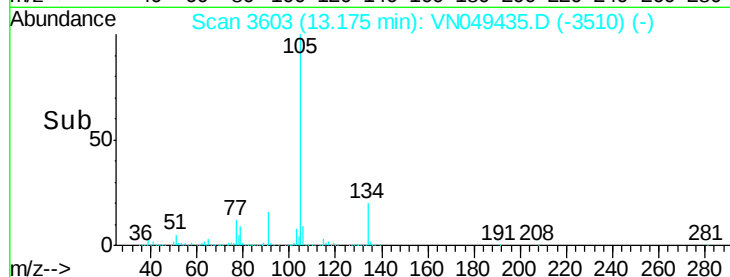
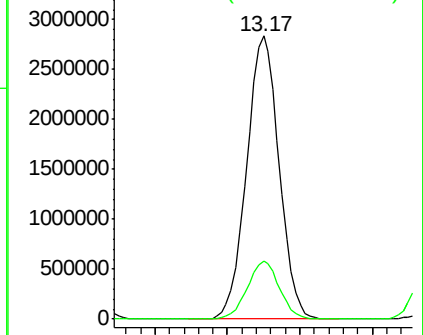
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

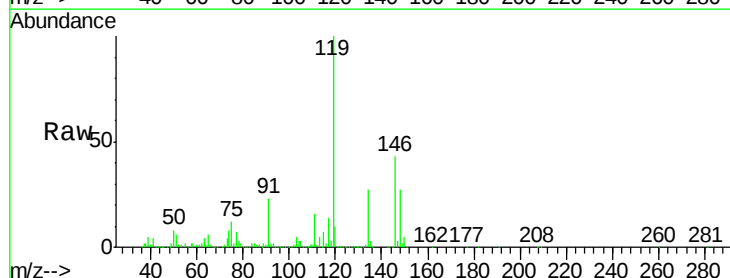
Tgt Ion:119 Resp: 3853670

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

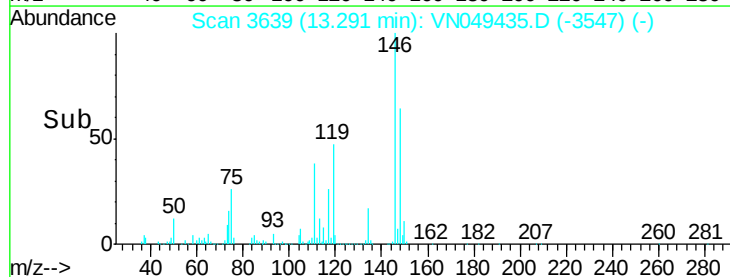
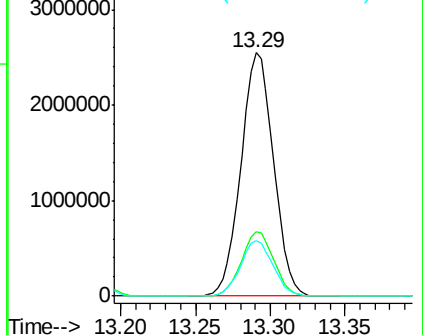
91 22.7 12.1 36.3

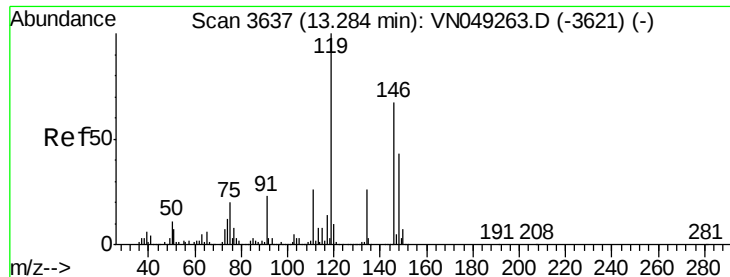


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

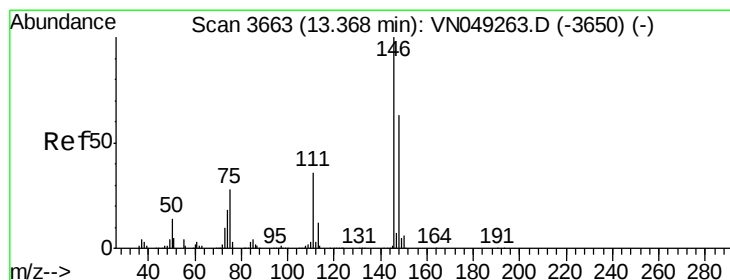
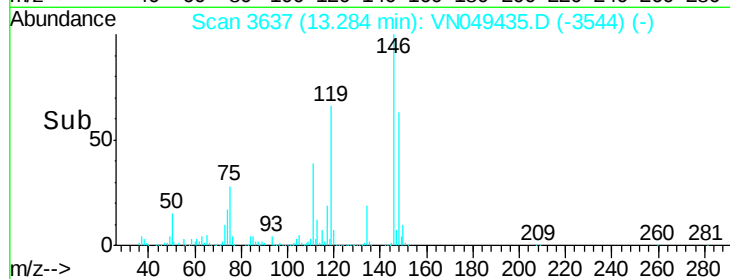
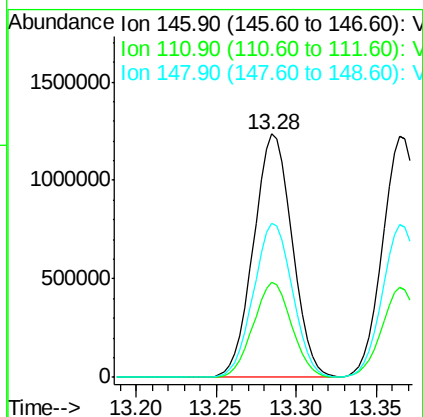
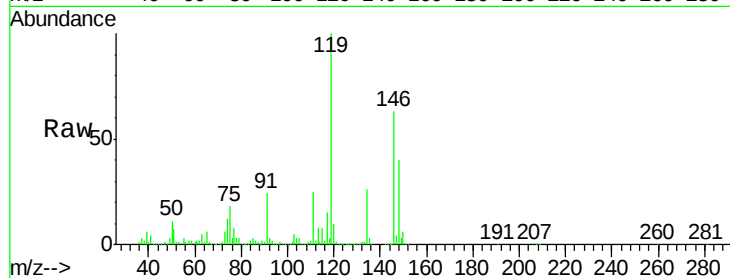




#87
 1,3-Dichlorobenzene
 Concen: 48.14 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

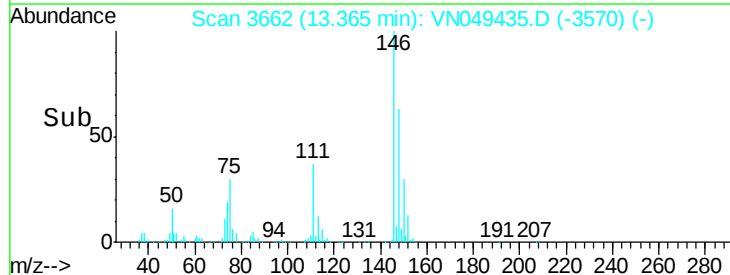
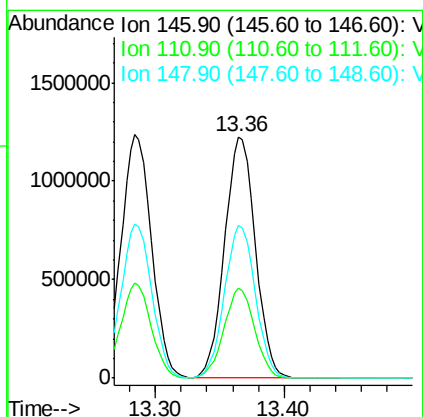
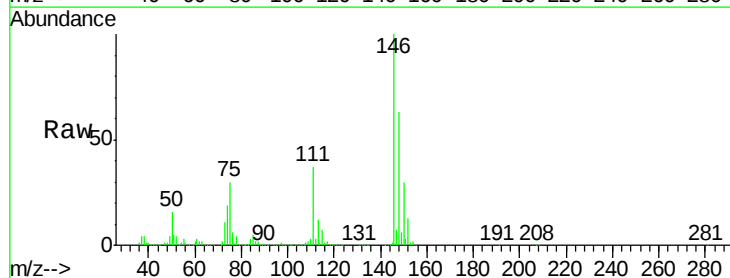
Instrument :
 MSVOA_N
 ClientSampled :

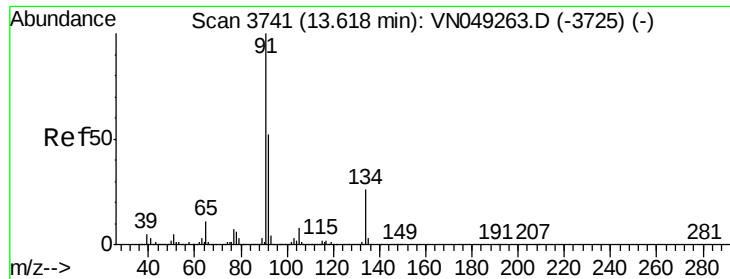
Tot Ion:146 Resp: 2056211
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.6
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.80 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion:146 Resp: 2023342
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.1
 148 63.5 32.0 96.2

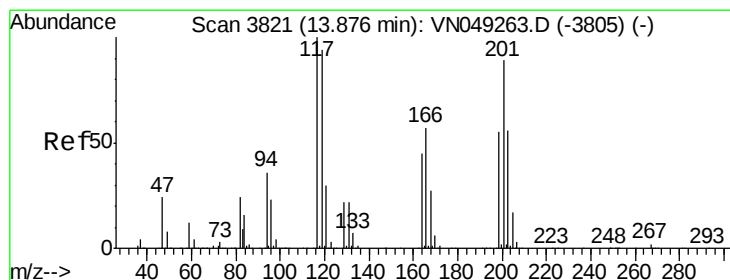
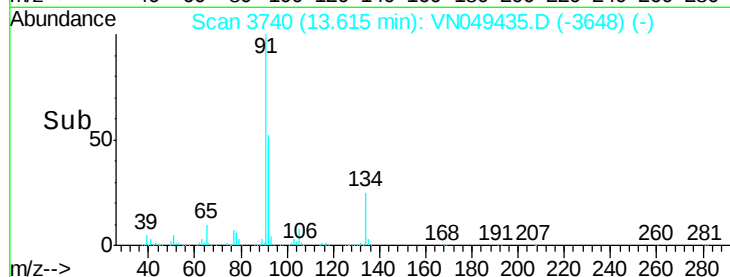
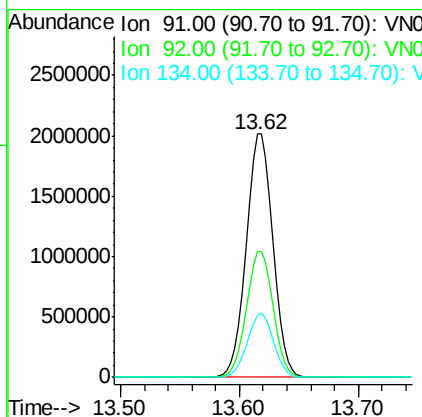
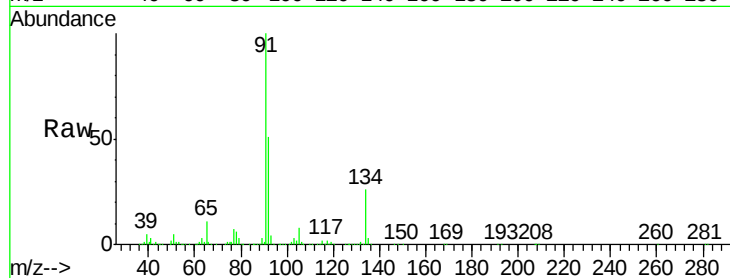




#89
n-Butylbenzene
Concen: 52.44 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

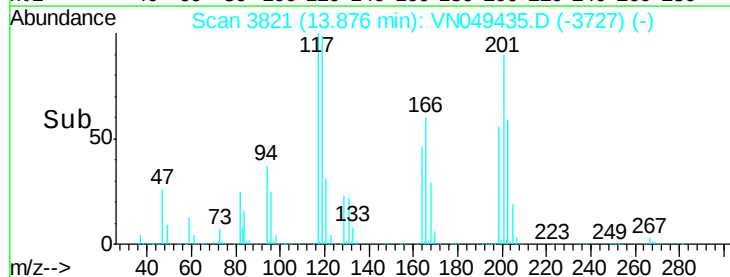
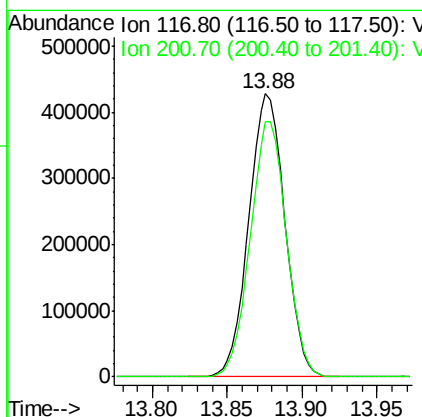
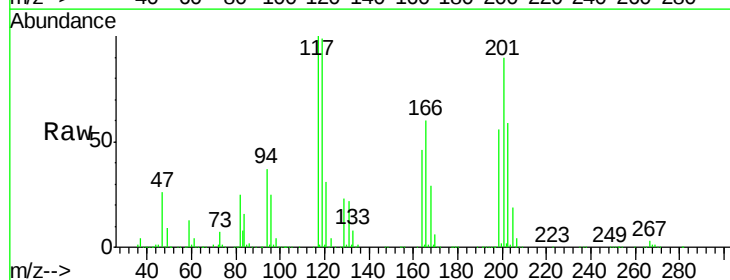
Instrument :
MSVOA_N
ClientSampled :

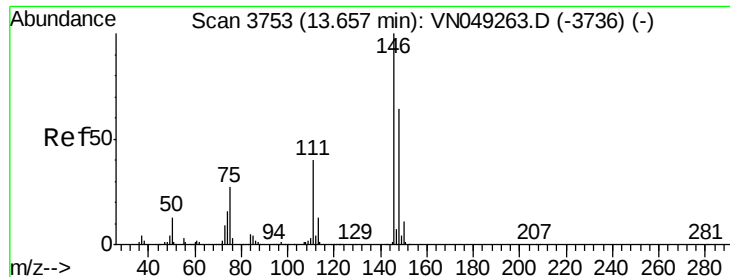
Tot Ion: 91 Resp: 3117598
Ion Ratio Lower Upper
91 100
92 51.9 25.1 75.4
134 26.0 12.0 36.0



#90
Hexachloroethane
Concen: 49.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 117 Resp: 717587
Ion Ratio Lower Upper
117 100
201 90.4 40.1 120.2

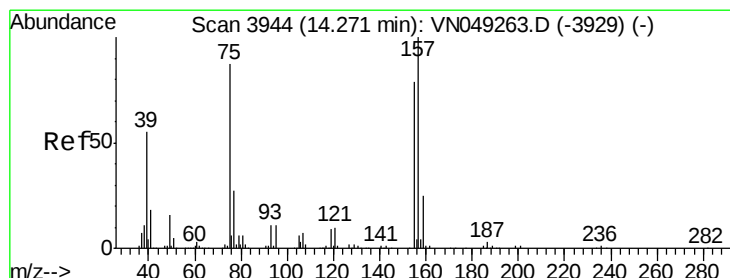
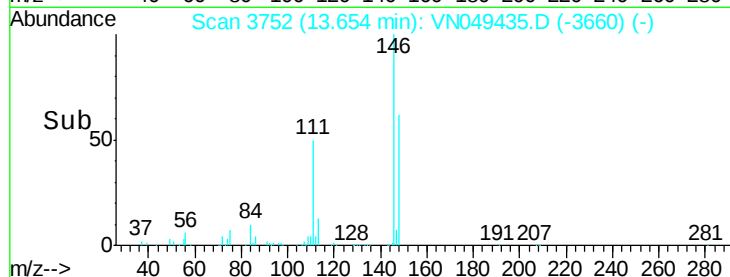
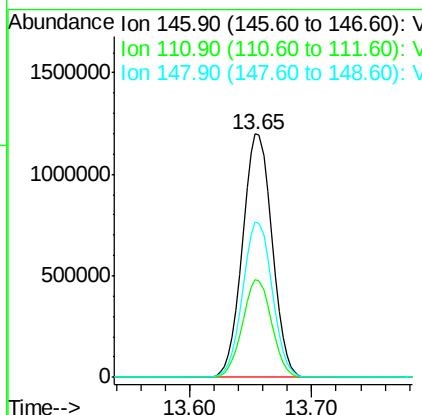
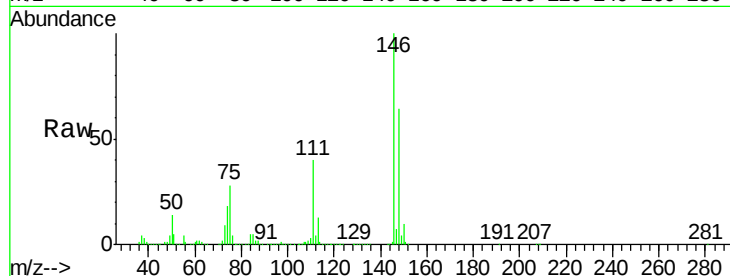




#91
 1,2-Dichlorobenzene
 Concen: 47.64 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

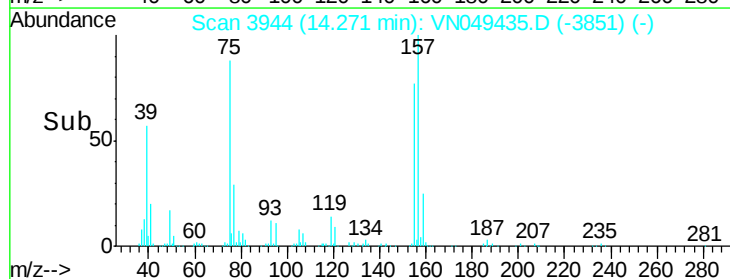
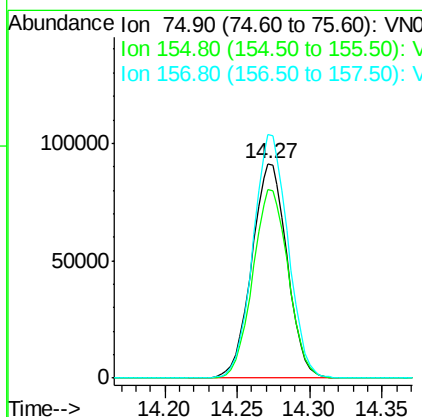
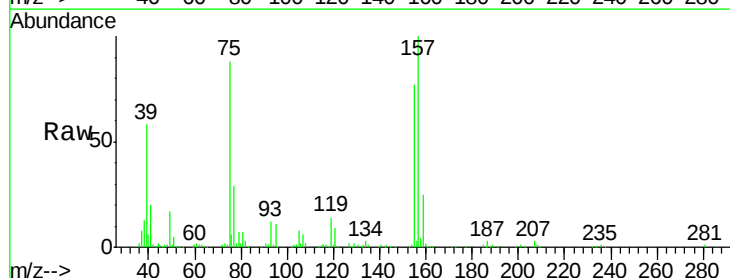
Instrument :
 MSVOA_N
 ClientSampleId :

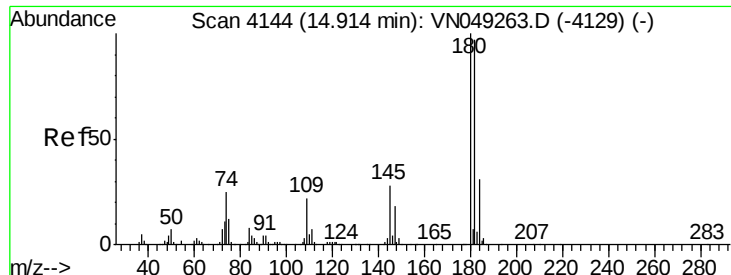
Tot Ion:146 Resp: 1995709
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.8 62.2
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.25 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 75 Resp: 154830
 Ion Ratio Lower Upper
 75 100
 155 88.2 38.8 116.3
 157 112.2 51.0 153.1

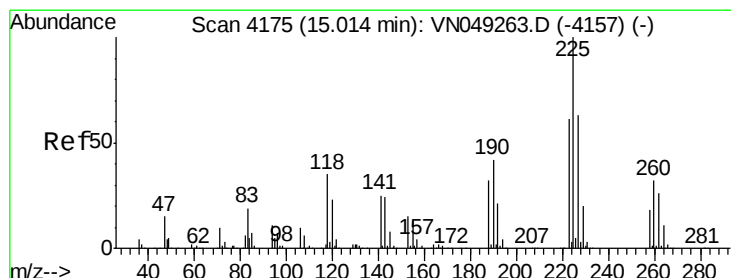
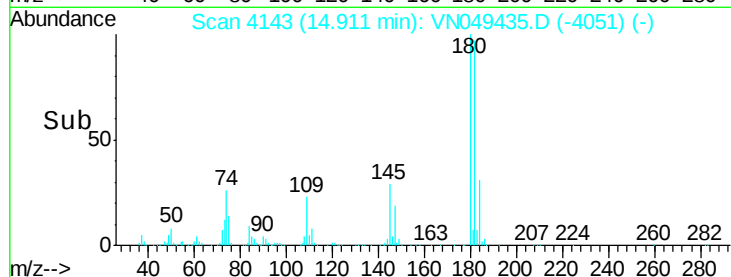
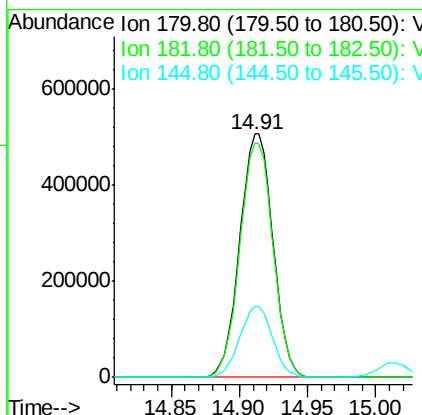
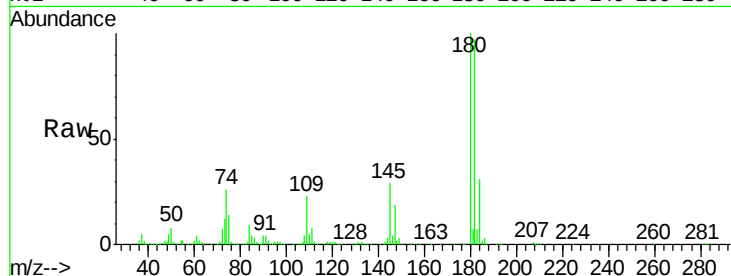




#93
 1,2,4-Trichlorobenzene
 Concen: 44.94 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

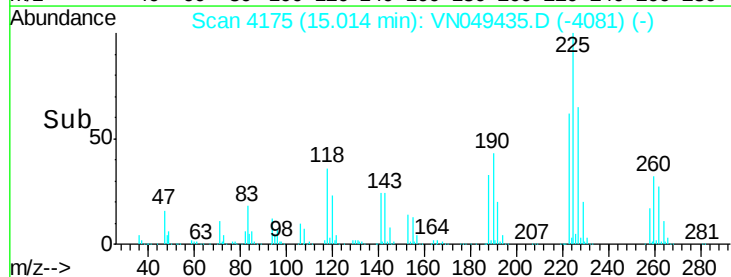
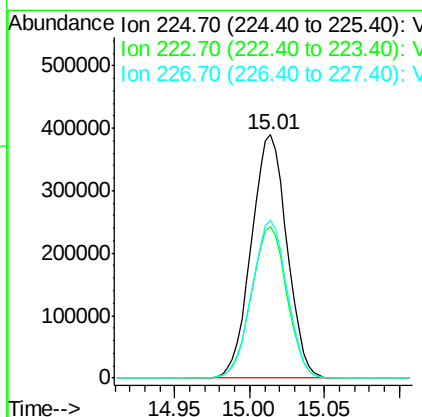
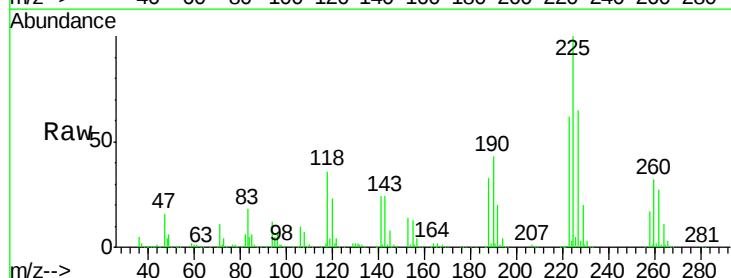
Instrument :
 MSVOA_N
 ClientSampleId :

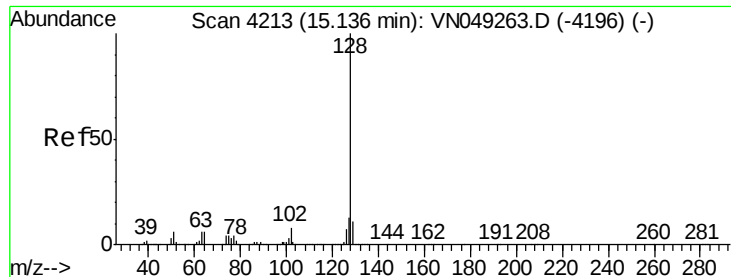
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.8
145	28.8	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 52.76 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.1	96.3
227	64.1	31.8	95.3

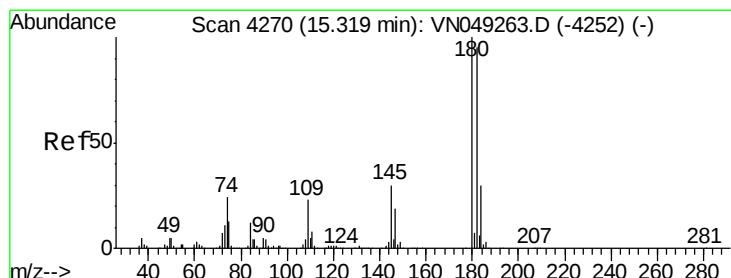
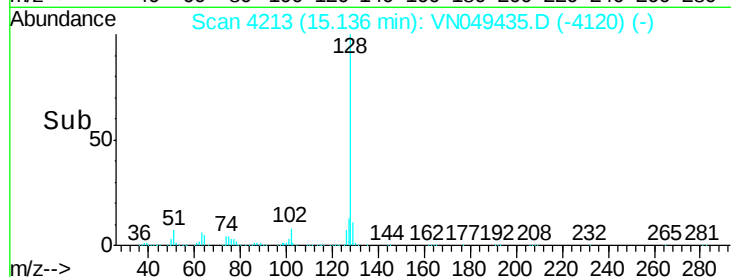
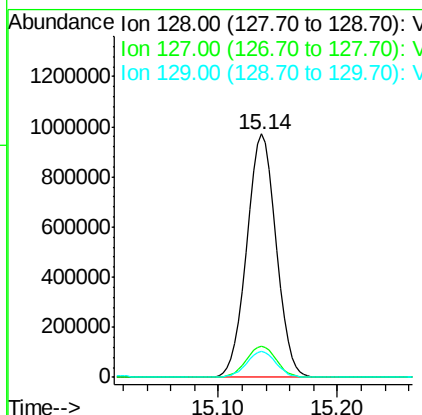
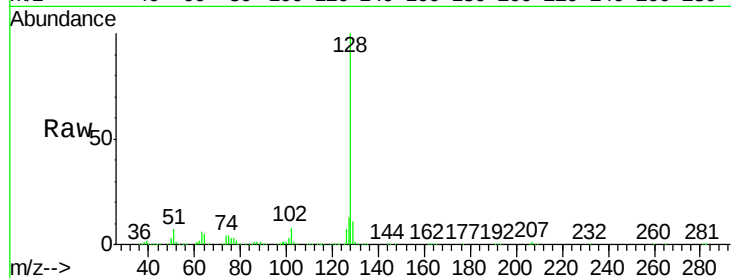




#95
Naphthalene
Concen: 48.84 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1656437
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 45.94 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion:180 Resp: 856556
Ion Ratio Lower Upper
180 100
182 95.3 47.3 141.8
145 30.7 15.6 46.7

