

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049461.D
 Acq On : 21 Jun 2018 11:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 03:35:49 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	7.66	168	1456308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2071475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1918583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1001663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	879497	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	7.59	113	802102	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.09	98	2991294	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.40	95	1032089	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	808145	48.21	ug/l	100
3) Chloromethane	2.06	50	953299	44.04	ug/l	97
4) Vinyl Chloride	2.18	62	1081953	47.03	ug/l	99
5) Bromomethane	2.56	94	513144	42.43	ug/l	96
6) Chloroethane	2.70	64	674846	49.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	1424564	49.64	ug/l	99
8) Diethyl Ether	3.41	74	480964	48.00	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	894945	49.17	ug/l	94
10) Methyl Iodide	3.95	142	1032581	54.50	ug/l	93
11) Tert butyl alcohol	4.79	59	249772	220.32	ug/l	98
12) 1,1-Dichloroethene	3.73	96	797874	47.78	ug/l	92
13) Acrolein	3.60	56	292549	246.07	ug/l	99
14) Allyl chloride	4.32	41	1273885	48.32	ug/l	90
15) Acrylonitrile	4.99	53	1370705	241.80	ug/l	98
16) Acetone	3.81	43	1227007	261.63	ug/l	93
17) Carbon Disulfide	4.05	76	2375500	45.39	ug/l	100
18) Methyl Acetate	4.32	43	694531	48.57	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	2115483	49.69	ug/l	100
20) Methylene Chloride	4.54	84	922688	47.11	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	856997	48.48	ug/l	92
22) Diisopropyl ether	5.95	45	2704472	51.37	ug/l	95
23) Vinyl Acetate	5.90	43	8656015	252.19	ug/l	96
24) 1,1-Dichloroethane	5.84	63	1624564	48.21	ug/l	99
25) 2-Butanone	6.84	43	1580691	251.01	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1383380	50.83	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	958216	48.75	ug/l	93
28) Bromochloromethane	7.19	49	673425	45.07	ug/l	84
29) Tetrahydrofuran	7.21	42	985602	243.14	ug/l	94
30) Chloroform	7.37	83	1647753	49.13	ug/l	100
31) Cyclohexane	7.65	56	1424884	49.88	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1417753	49.55	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1267136	53.37	ug/l	97
37) Ethyl Acetate	6.93	43	684887	53.06	ug/l	99
38) Carbon Tetrachloride	7.77	117	1266871	51.54	ug/l	97

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 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)
39) Methylcyclohexane	9.08	83	1351950	53.05	ug/l	96
40) Benzene	8.04	78	3748858	51.51	ug/l	98
41) Methacrylonitrile	7.17	41	348140	49.89	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1147952	51.05	ug/l	96
43) Isopropyl Acetate	8.17	43	1287328	52.20	ug/l	97
44) Trichloroethene	8.83	130	1013257	52.72	ug/l	93
45) 1,2-Dichloropropane	9.12	63	991574	52.03	ug/l	99
46) Dibromomethane	9.21	93	573814	51.93	ug/l	91
47) Bromodichloromethane	9.40	83	1278159	52.63	ug/l	98
48) Methyl methacrylate	9.20	41	629677	54.22	ug/l	88
49) 1,4-Dioxane	9.20	88	160300	1000.15	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	3434831	265.76	ug/l	95
52) Toluene	10.16	92	2305602	53.97	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1242592	53.49	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1470542	53.61	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	816323	51.26	ug/l	98
56) Ethyl methacrylate	10.43	69	998703	54.36	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1379541	52.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1323696	204.31	ug/l	95
59) 2-Hexanone	10.75	43	2273073	272.80	ug/l	92
60) Dibromochloromethane	10.90	129	936884	52.71	ug/l	100
61) 1,2-Dibromoethane	11.01	107	786399	53.12	ug/l	100
64) Tetrachloroethene	10.63	164	1161402	59.08	ug/l	98
65) Chlorobenzene	11.43	112	2506487	50.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	936848	50.37	ug/l	100
67) Ethyl Benzene	11.51	91	4405306	53.74	ug/l	97
68) m/p-Xylenes	11.62	106	3416517	111.05	ug/l	96
69) o-Xylene	11.95	106	1620035	54.67	ug/l	95
70) Styrene	11.96	104	2664267	56.99	ug/l	97
71) Bromoform	12.13	173	627407	52.11	ug/l #	100
73) Isopropylbenzene	12.25	105	4357561	49.55	ug/l	98
74) N-amyl acetate	12.07	43	1025937	47.63	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	879563	48.55	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1183562	69.25	ug/l #	100
77) Bromobenzene	12.53	156	1077577	46.39	ug/l	91
78) n-propylbenzene	12.59	91	5046095	52.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	2979607	48.70	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3602565	52.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	259596	48.01	ug/l	93
82) 4-Chlorotoluene	12.78	91	2987370	50.61	ug/l	96
83) tert-Butylbenzene	12.99	119	2993736	48.88	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3644371	53.07	ug/l	99
85) sec-Butylbenzene	13.17	105	4115474	50.49	ug/l	99
86) p-Isopropyltoluene	13.29	119	3567496	52.38	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1919769	50.23	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1846772	48.76	ug/l	99
89) n-Butylbenzene	13.62	91	2858297	53.73	ug/l	98
90) Hexachloroethane	13.88	117	671352	52.16	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	1843734	49.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	132784	43.37	ug/l	87

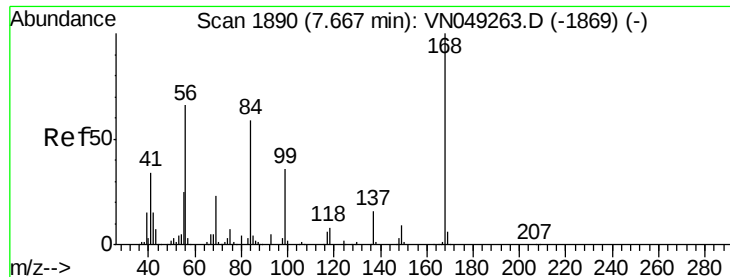
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	755601	44.56	ug/l	98
94) Hexachlorobutadiene	15.01	225	609854	55.95	ug/l	98
95) Naphthalene	15.14	128	1366147	45.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	764880	45.85	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

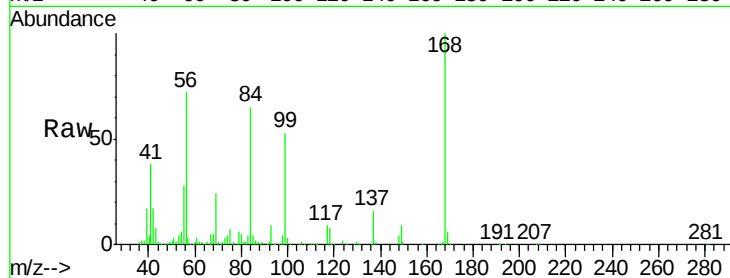
ClientSampled :

Tot Ion:168 Resp: 1456308

Ion Ratio Lower Upper

168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

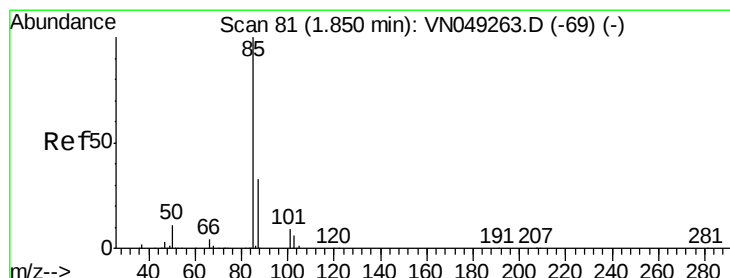
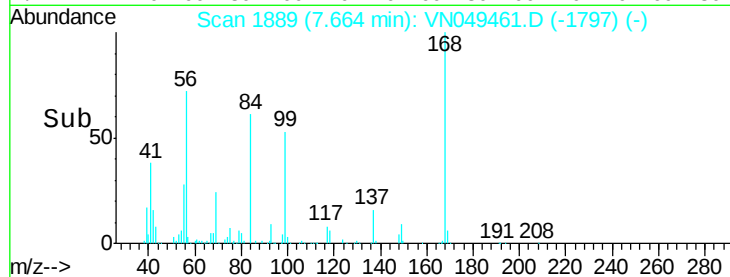
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.21 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049461.D

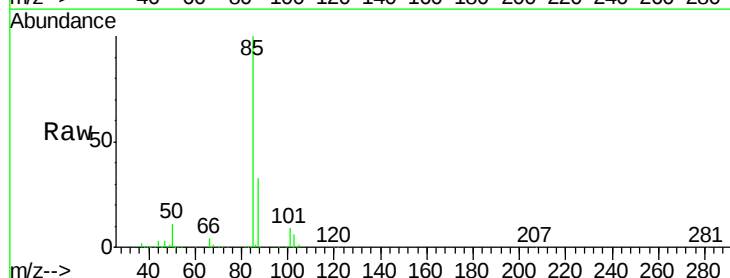
Acq: 21 Jun 2018 11:26

Tgt Ion: 85 Resp: 808145

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

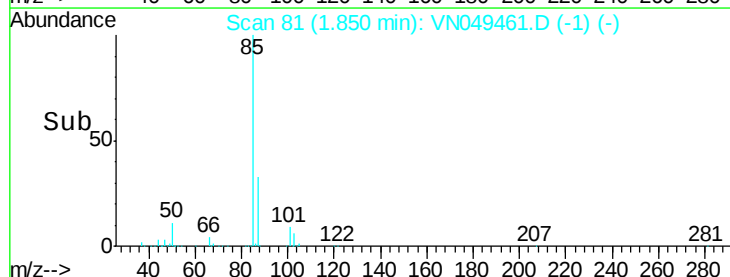
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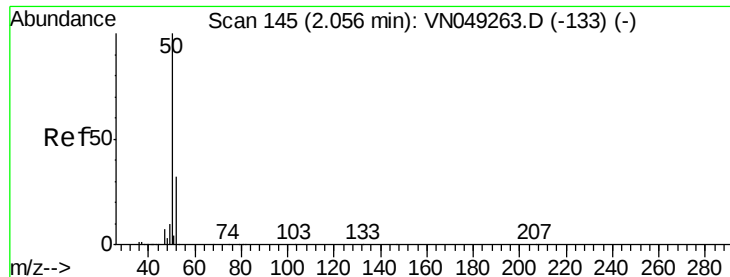
400000

200000

0

Time-->





#3

Chloromethane

Concen: 44.04 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

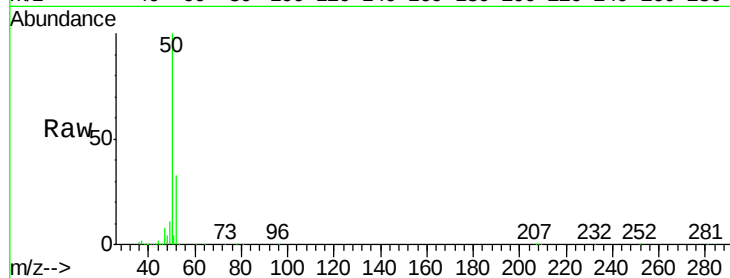
ClientSampleId :

Tot Ion: 50 Resp: 953299

Ion Ratio Lower Upper

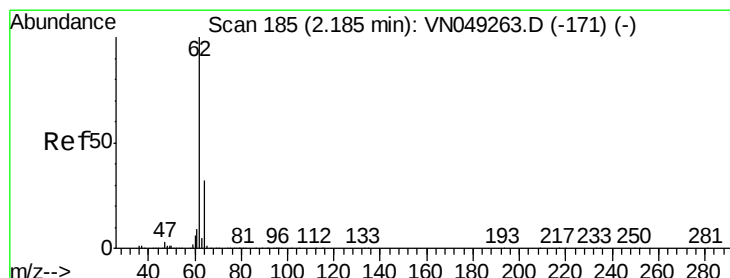
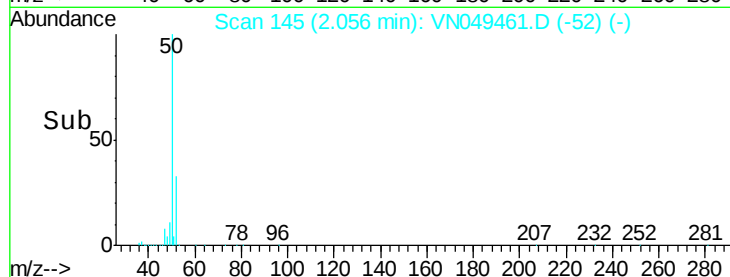
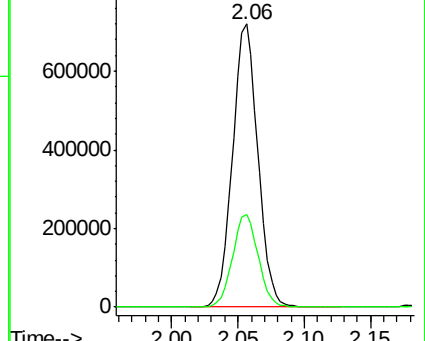
50 100

52 32.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049461.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049461.D (-52) (-)



#4

Vinyl Chloride

Concen: 47.03 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049461.D

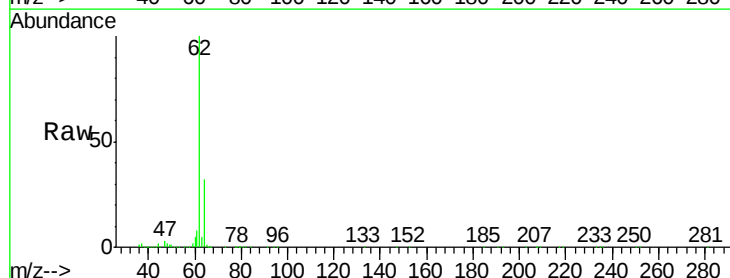
Acq: 21 Jun 2018 11:26

Tgt Ion: 62 Resp: 1081953

Ion Ratio Lower Upper

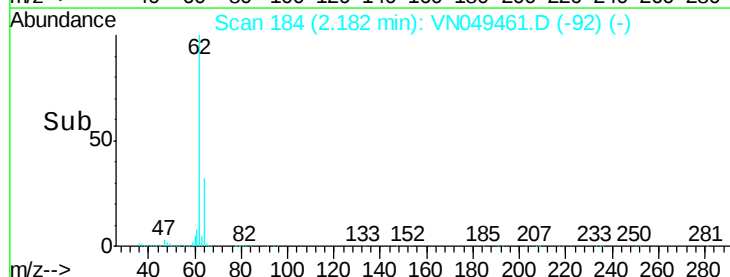
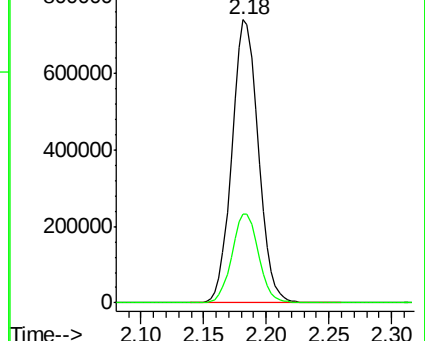
62 100

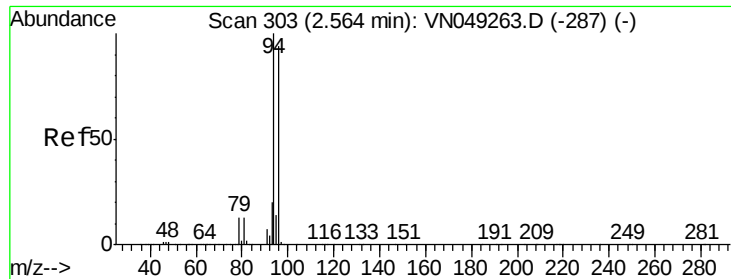
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049461.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049461.D (-92) (-)





#5

Bromomethane

Concen: 42.43 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

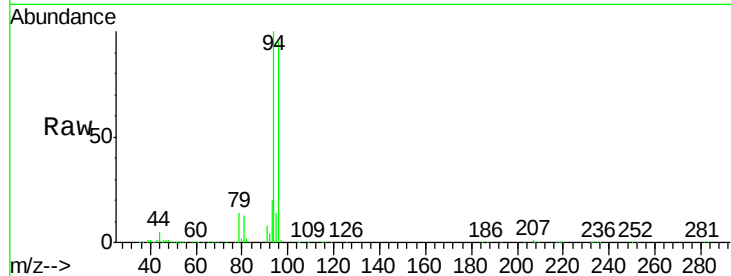
ClientSampled :

Tot Ion: 94 Resp: 513144

Ion Ratio Lower Upper

94 100

96 94.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049461.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049461.D (-210) (-)

2.56

250000

200000

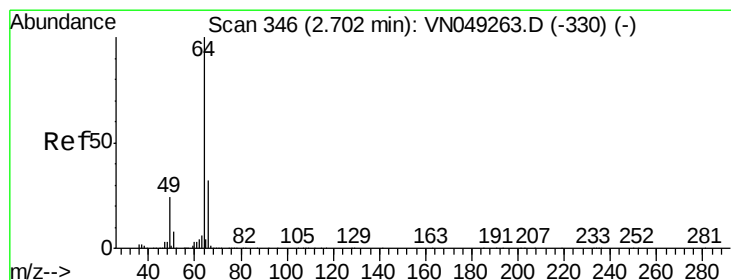
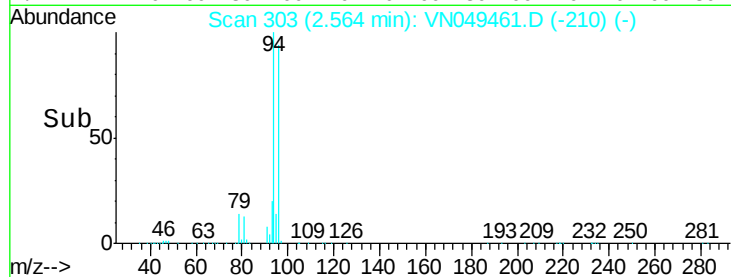
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 49.20 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049461.D

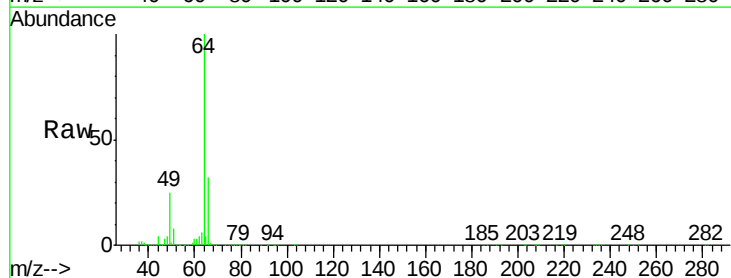
Acq: 21 Jun 2018 11:26

Tgt Ion: 64 Resp: 674846

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049461.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049461.D (-253) (-)

2.70

400000

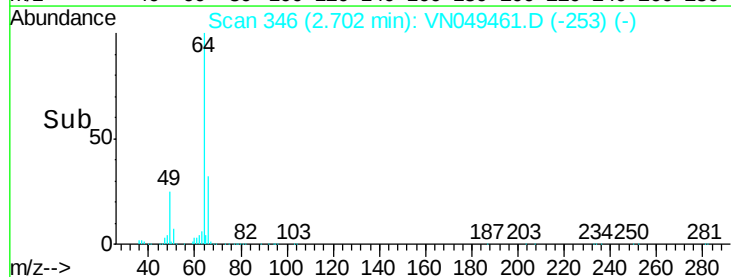
300000

200000

100000

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Time-->



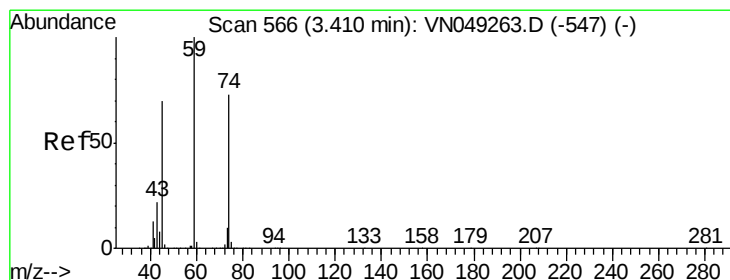
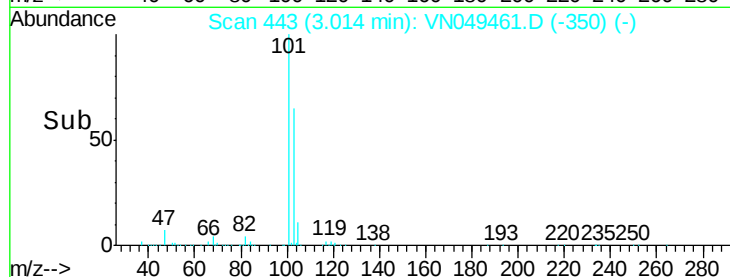
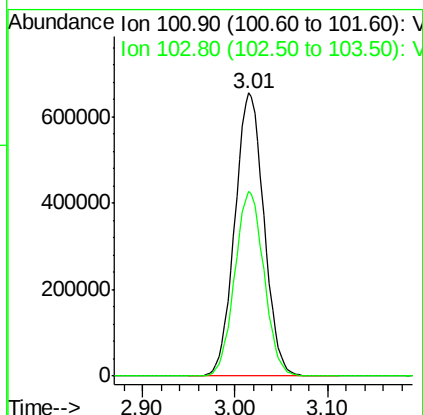
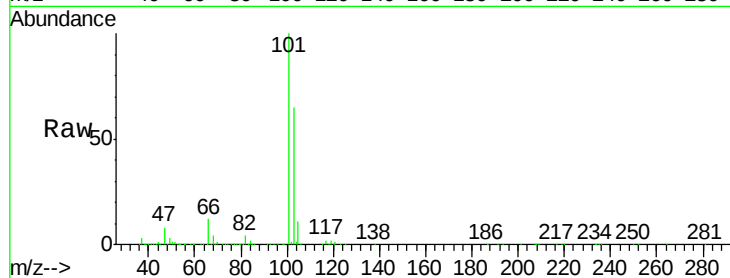


#7

Trichlorofluoromethane
Concen: 49.64 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :

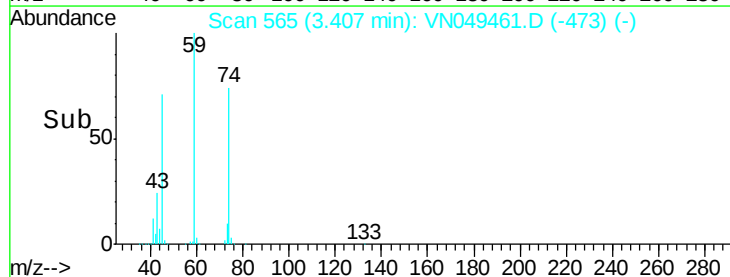
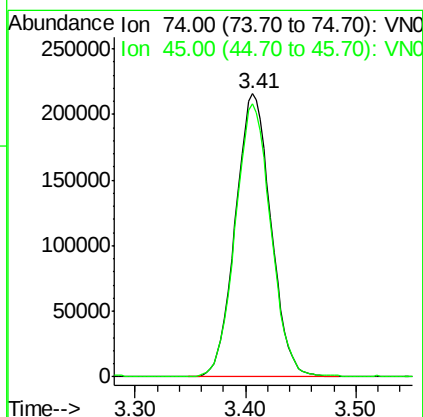
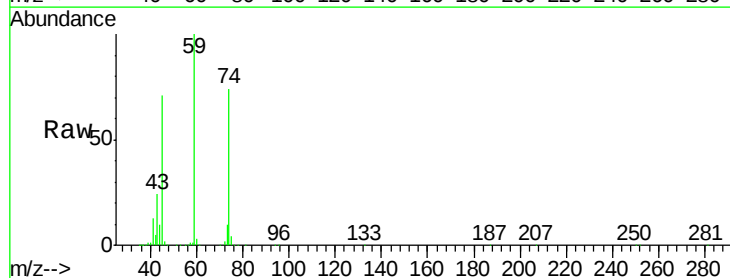
Tot Ion:101 Resp: 1424564
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5



#8

Diethyl Ether
Concen: 48.00 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 74 Resp: 480964
Ion Ratio Lower Upper
74 100
45 95.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.17 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

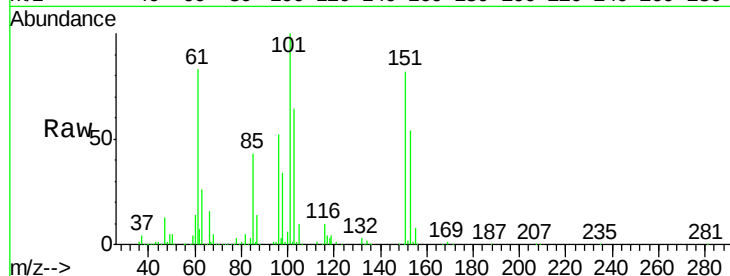
Tot Ion:101 Resp: 894945

Ion Ratio Lower Upper

101 100

85 43.1 37.6 56.4

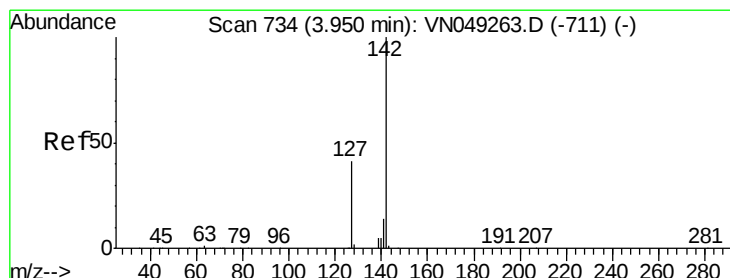
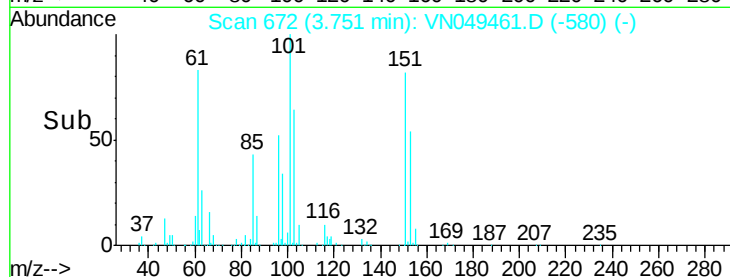
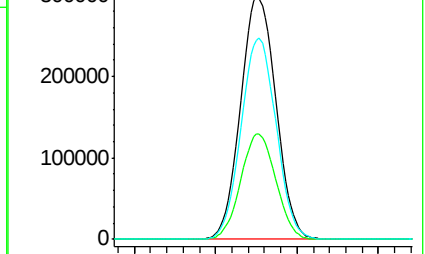
151 82.1 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.50 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

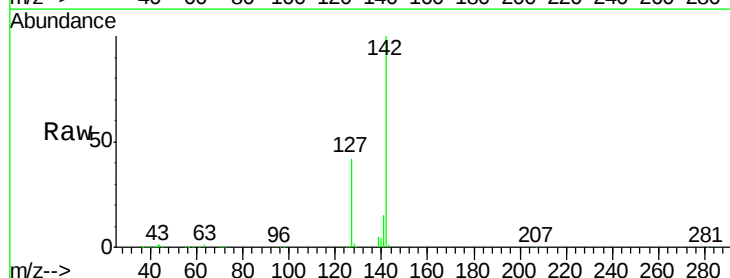
Tgt Ion:142 Resp: 1032581

Ion Ratio Lower Upper

142 100

127 42.1 38.2 57.4

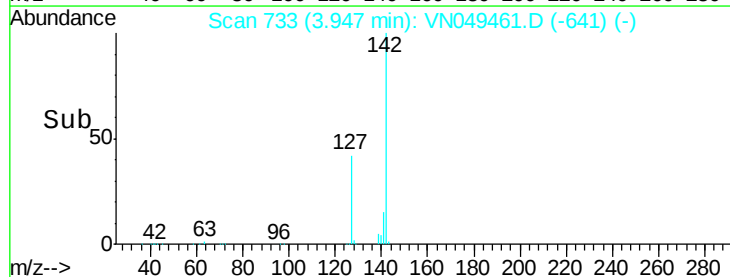
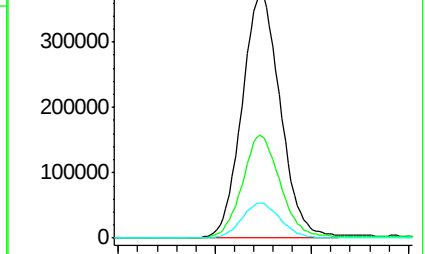
141 14.5 11.9 17.9

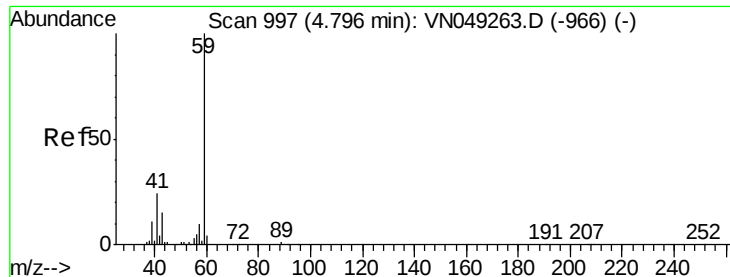


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

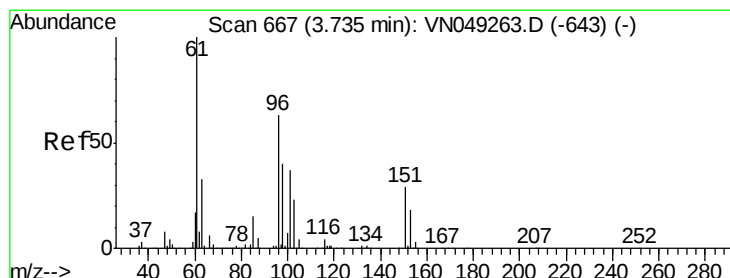
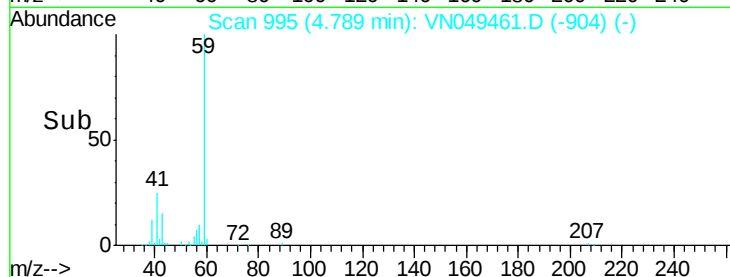
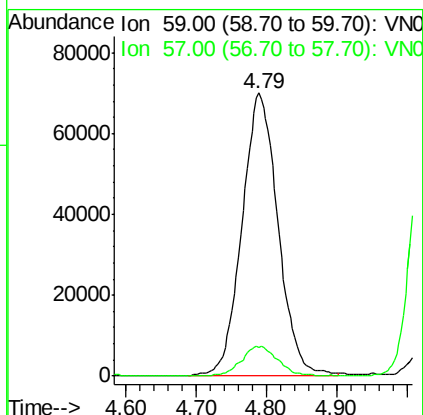
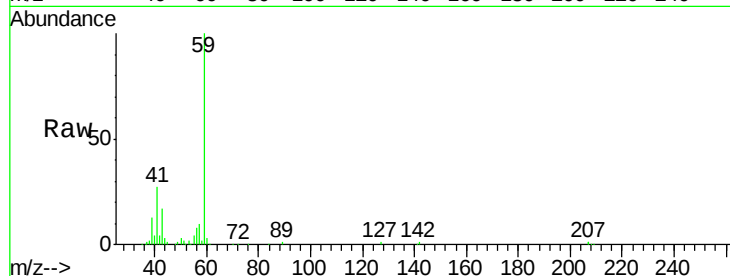




#11
Tert butyl alcohol
Concen: 220.32 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

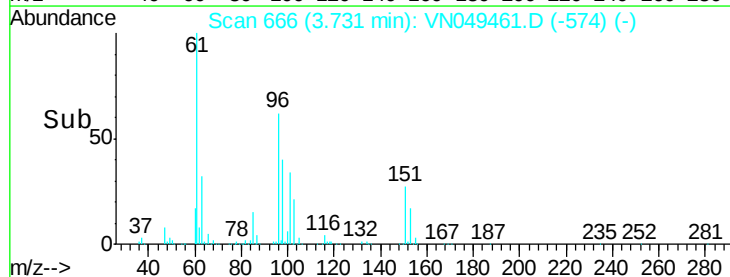
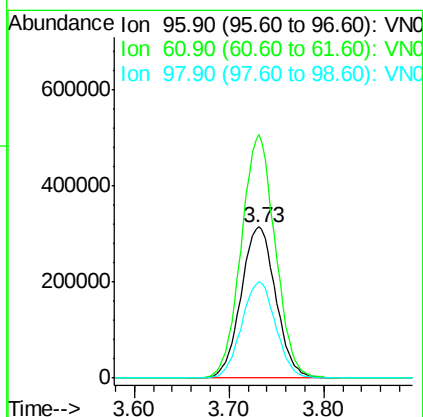
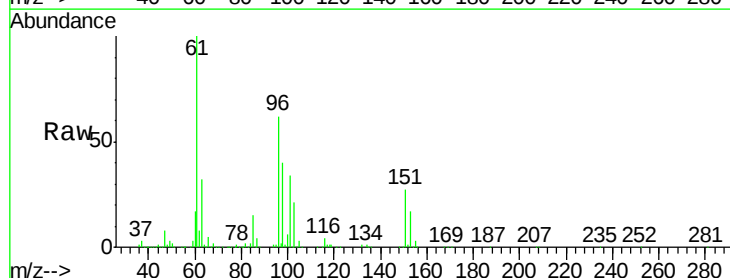
Instrument :
MSVOA_N
ClientSampled :

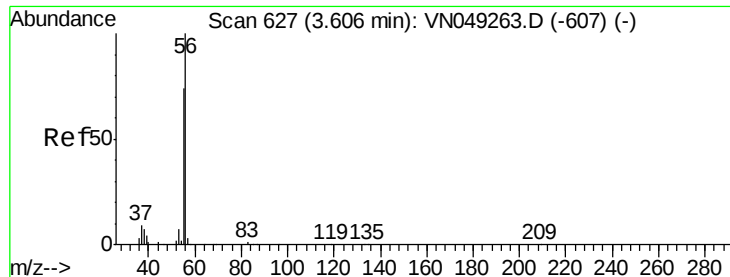
Tot Ion: 59 Resp: 249772
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6



#12
1,1-Dichloroethene
Concen: 47.78 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 96 Resp: 797874
Ion Ratio Lower Upper
96 100
61 161.0 141.0 211.4
98 63.8 50.4 75.6





#13

Acrolein

Concen: 246.07 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

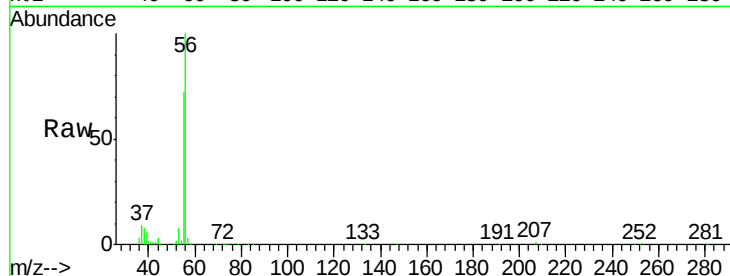
ClientSampleId :

Tot Ion: 56 Resp: 292549

Ion Ratio Lower Upper

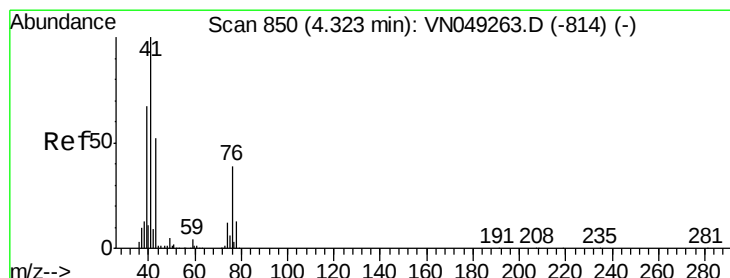
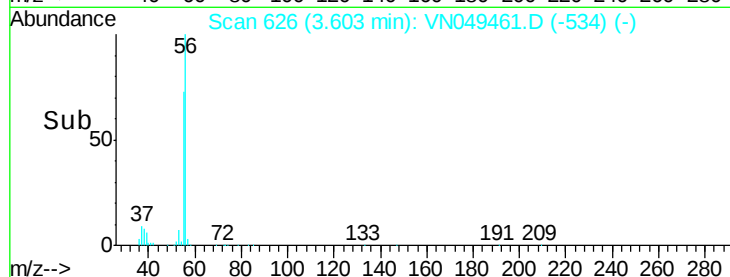
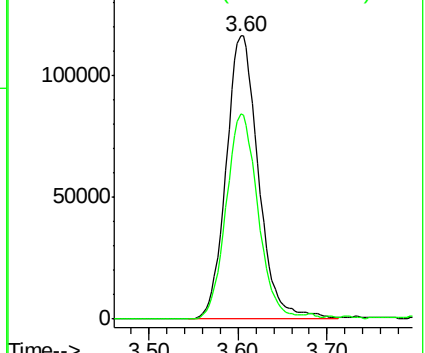
56 100

55 70.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.32 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

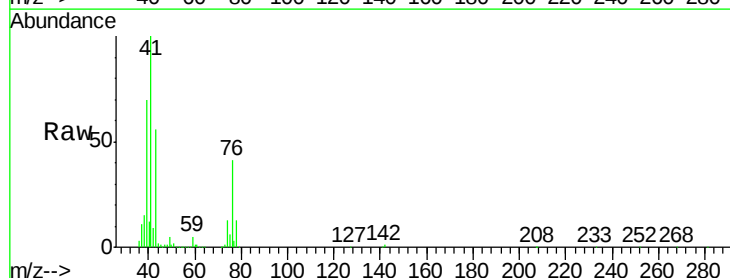
Tgt Ion: 41 Resp: 1273885

Ion Ratio Lower Upper

41 100

39 67.2 62.5 93.7

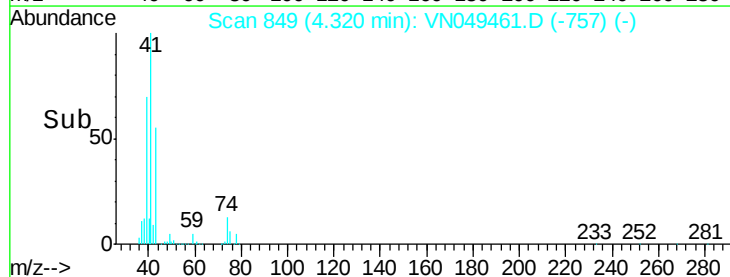
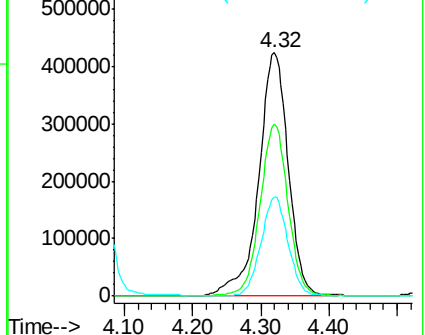
76 36.8 27.1 40.7

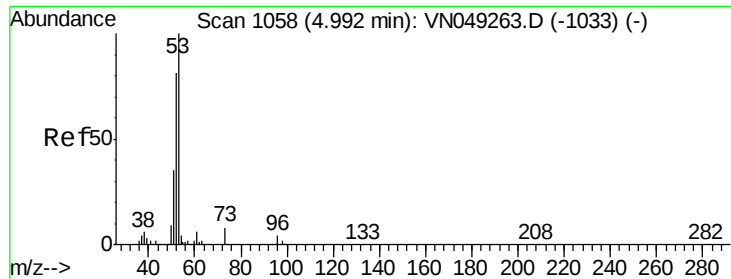


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

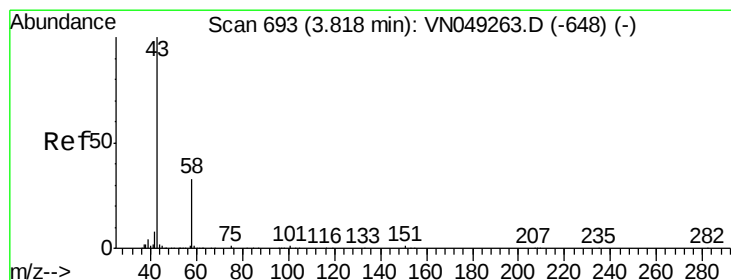
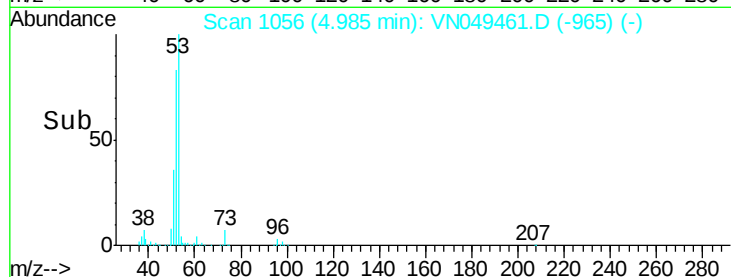
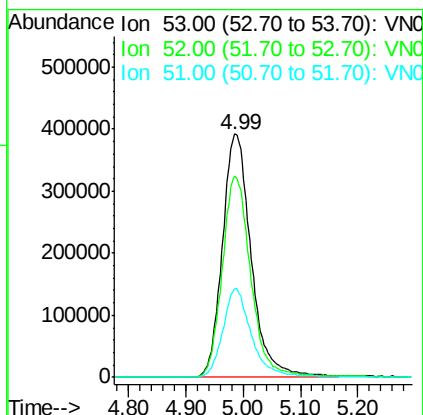
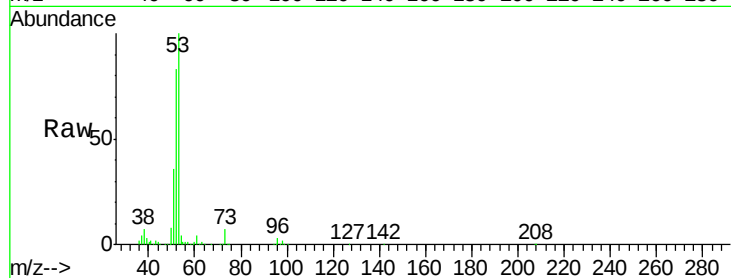




#15
 Acrylonitrile
 Concen: 241.80 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

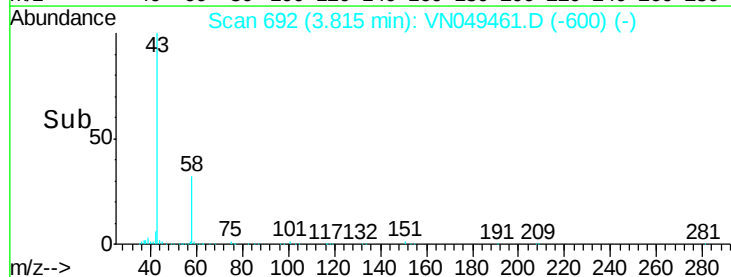
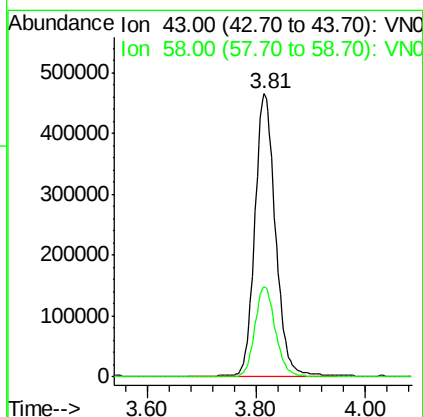
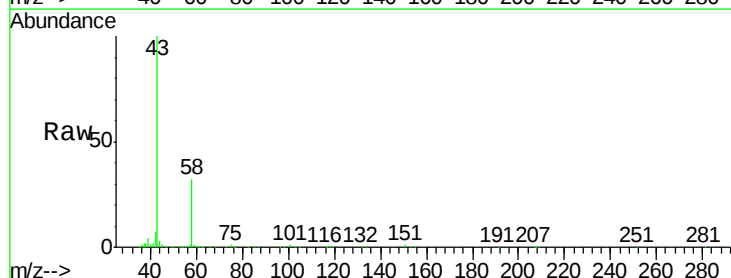
Instrument :
 MSVOA_N
 ClientSampled :

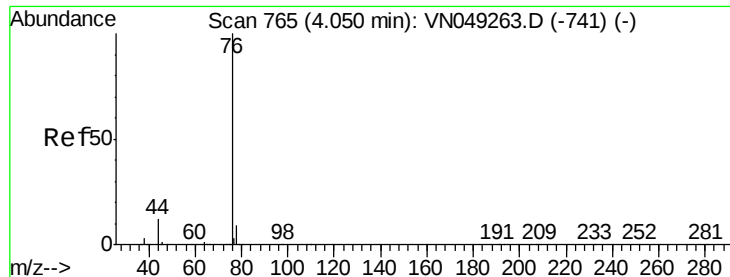
Tot Ion: 53 Resp: 1370705
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.6 100.0
 51 35.9 29.8 44.8



#16
 Acetone
 Concen: 261.63 ug/l
 RT: 3.81 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

Tgt Ion: 43 Resp: 1227007
 Ion Ratio Lower Upper
 43 100
 58 31.7 22.4 33.6

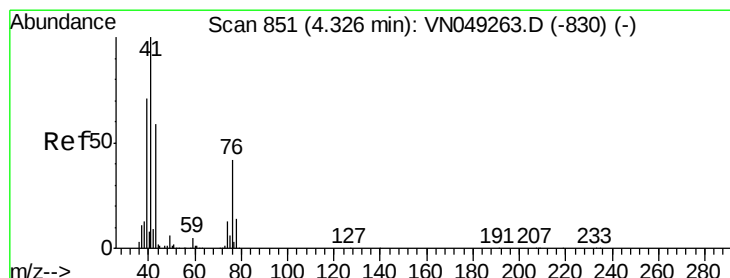
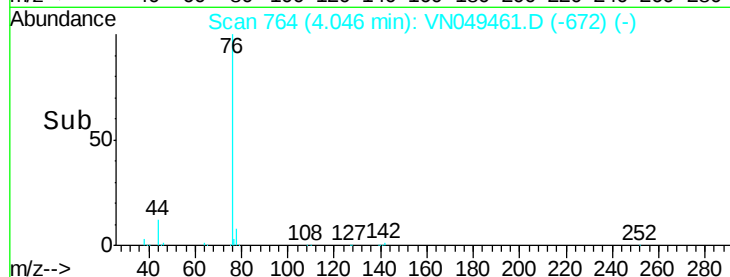
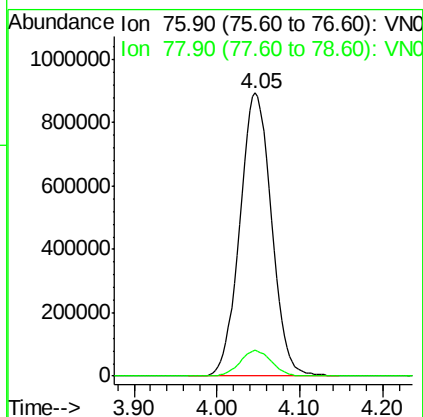
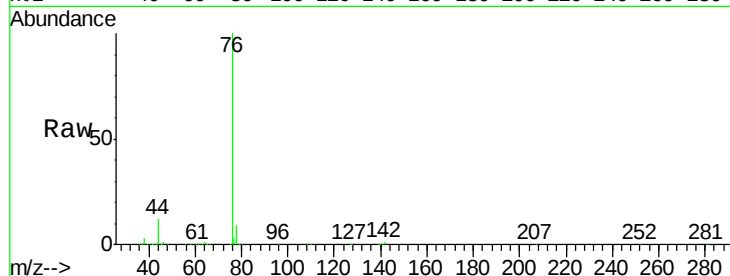




#17
Carbon Disulfide
Concen: 45.39 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

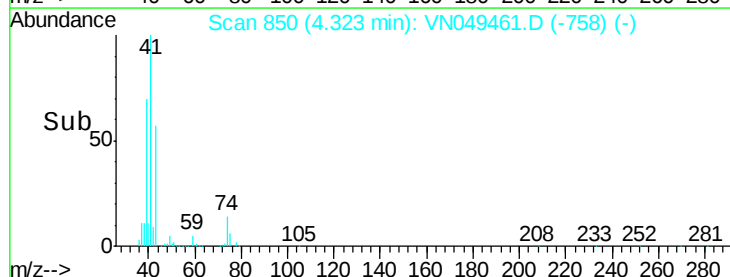
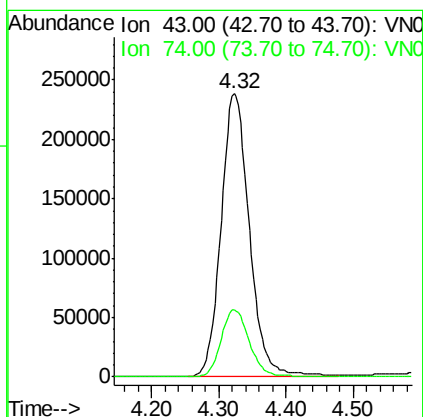
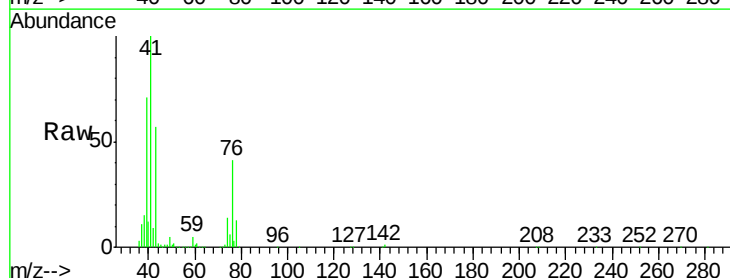
Instrument :
MSVOA_N
ClientSampleId :

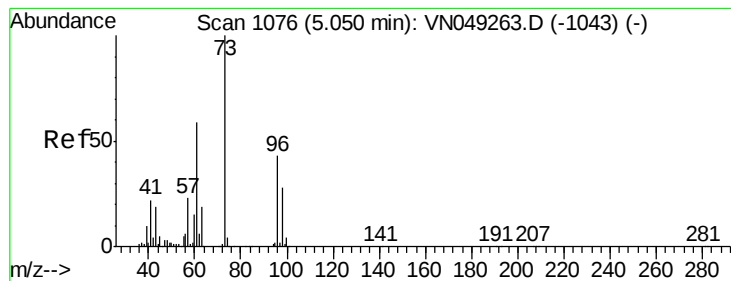
Tot Ion: 76 Resp: 2375500
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 48.57 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 43 Resp: 694531
Ion Ratio Lower Upper
43 100
74 23.7 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 49.69 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

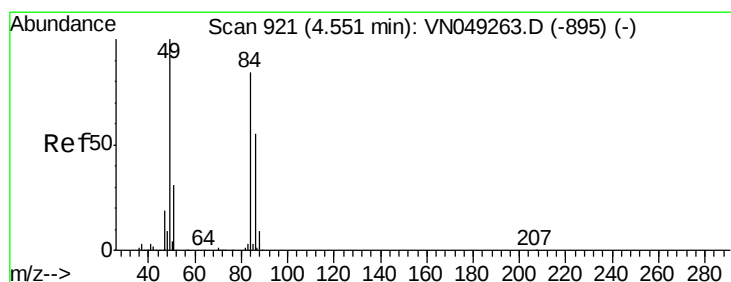
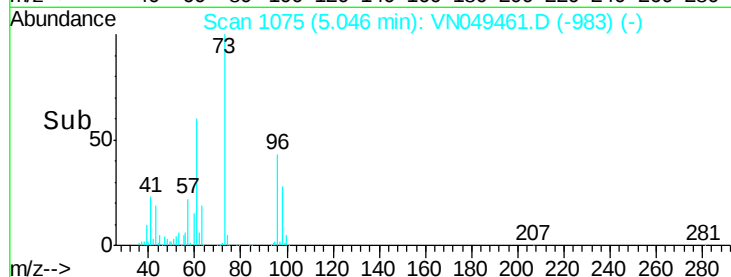
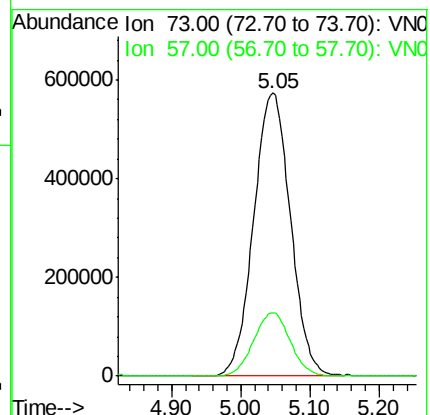
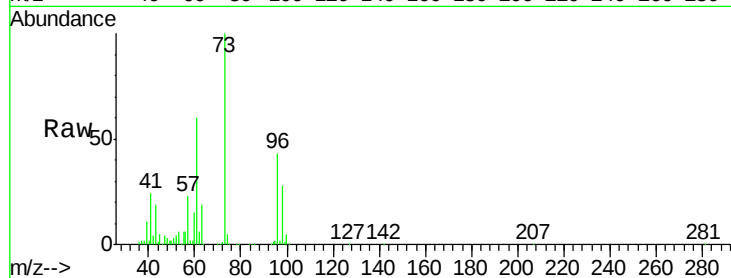
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 2115483

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.4



#20

Methylene Chloride

Concen: 47.11 ug/l

RT: 4.54 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion: 84 Resp: 922688

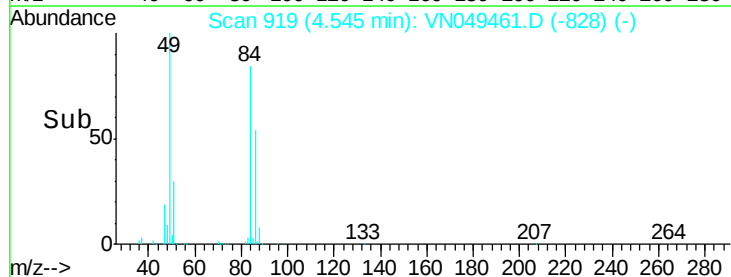
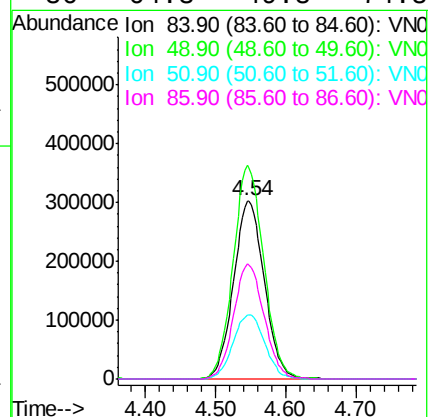
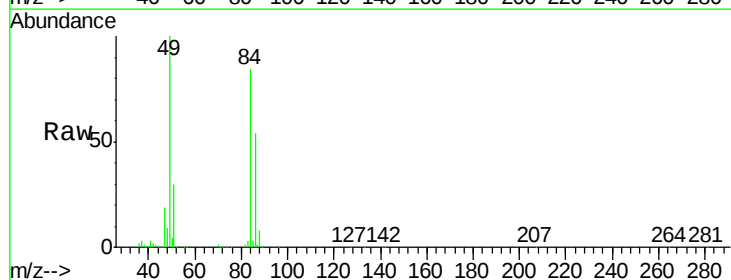
Ion Ratio Lower Upper

84 100

49 119.6 106.9 160.3

51 35.7 32.7 49.1

86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.48 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

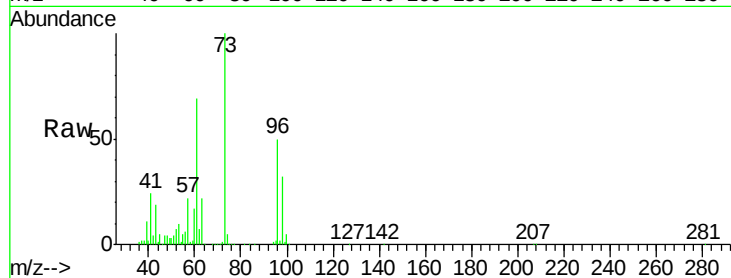
Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 856997

Ion	Ratio	Lower	Upper
96	100		
61	137.2	121.3	181.9
98	63.9	52.0	78.0

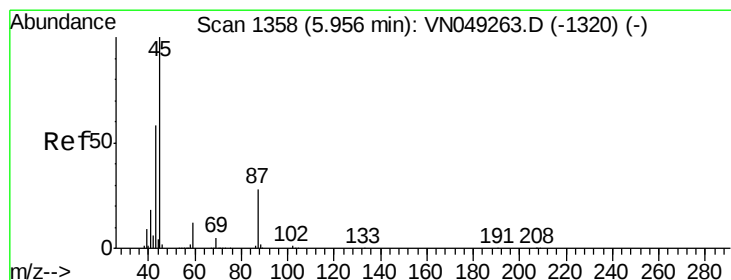
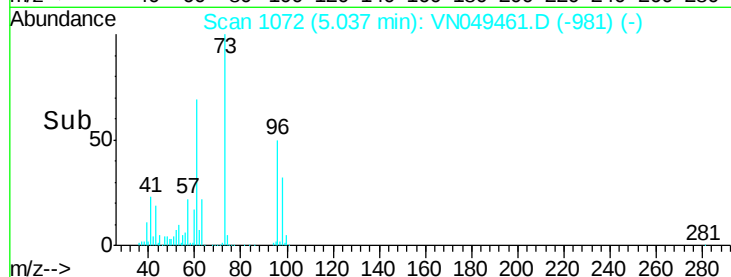
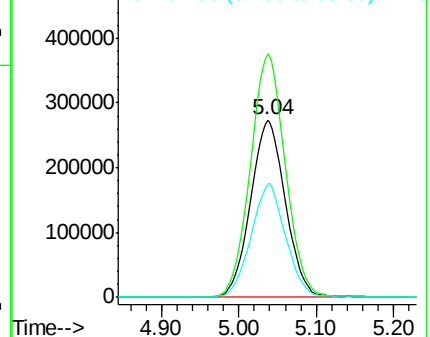


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.37 ug/l

RT: 5.95 min Scan# 1357

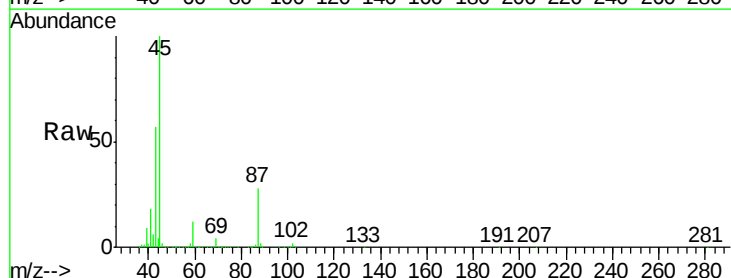
Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion: 45 Resp: 2704472

Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.6	72.8
87	28.1	20.2	30.2
59	11.8	9.0	13.4



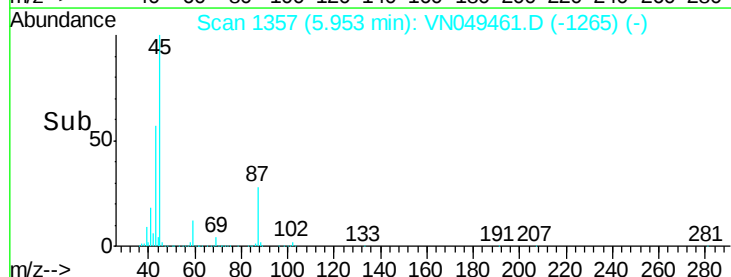
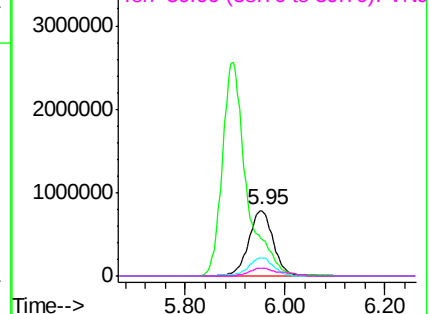
Abundance

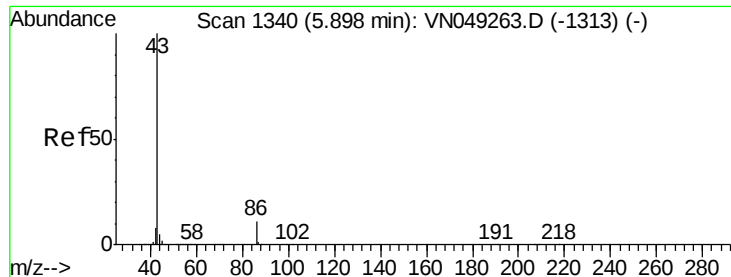
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 252.19 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

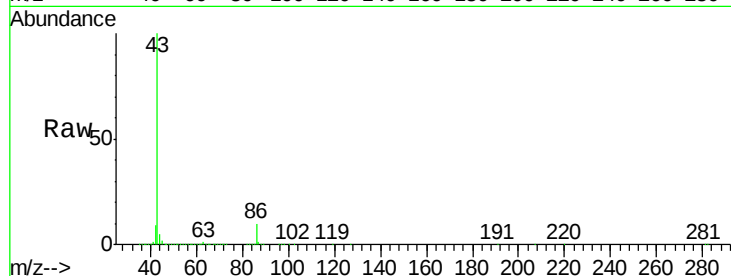
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 8656015

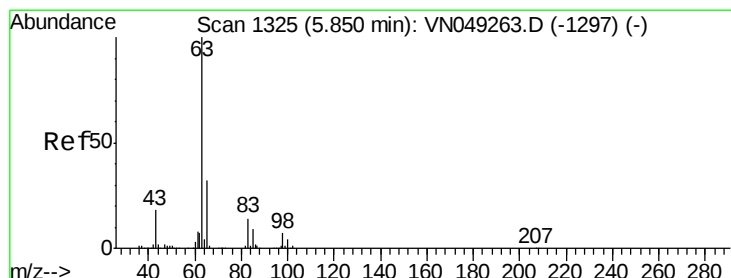
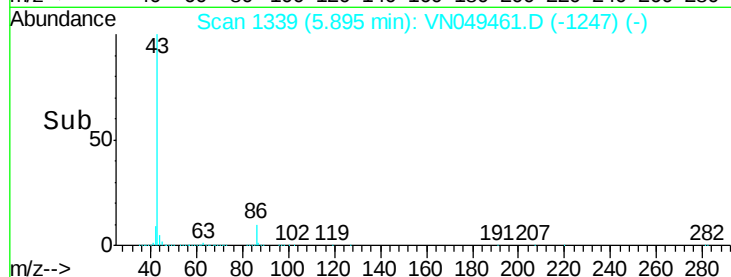
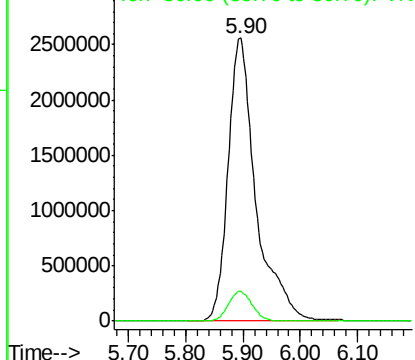
Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.21 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

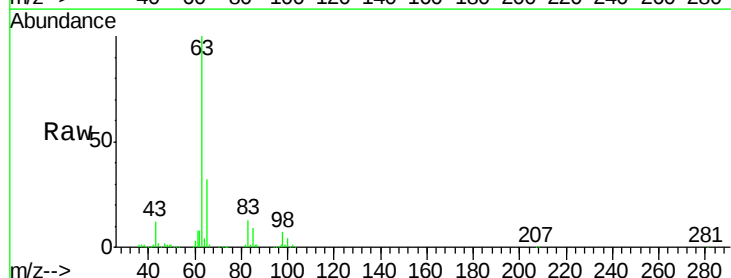
Tgt Ion: 63 Resp: 1624564

Ion Ratio Lower Upper

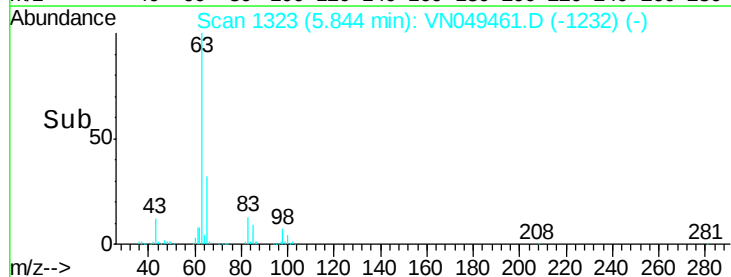
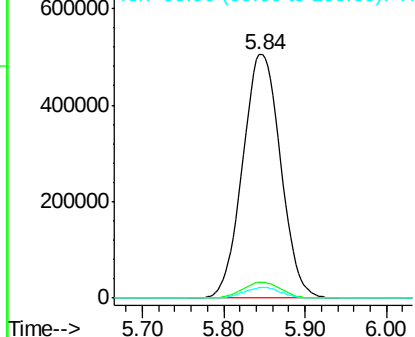
63 100

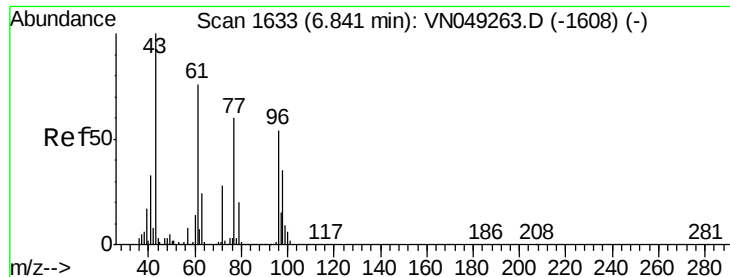
98 6.6 2.9 8.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.01 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

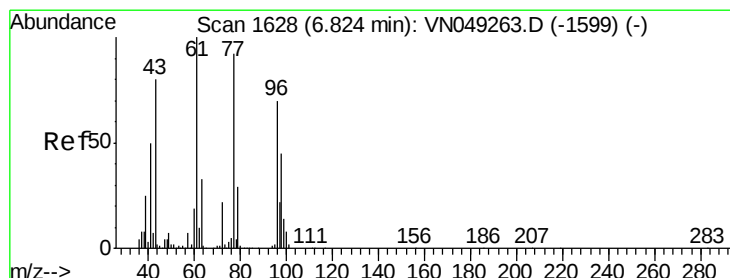
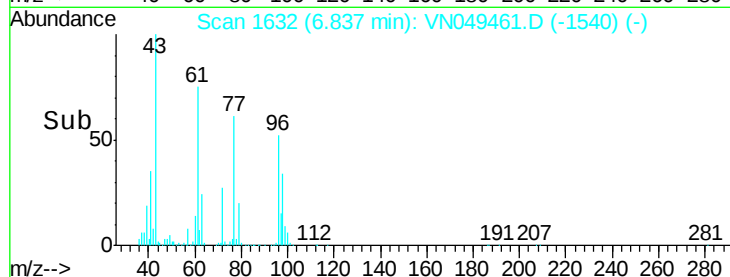
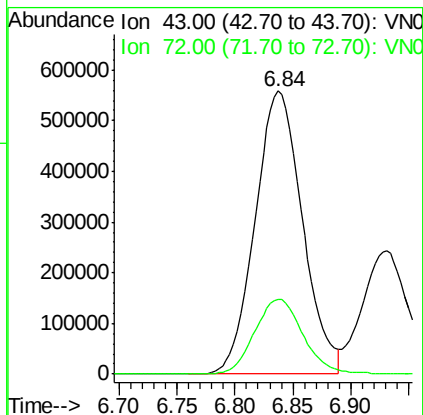
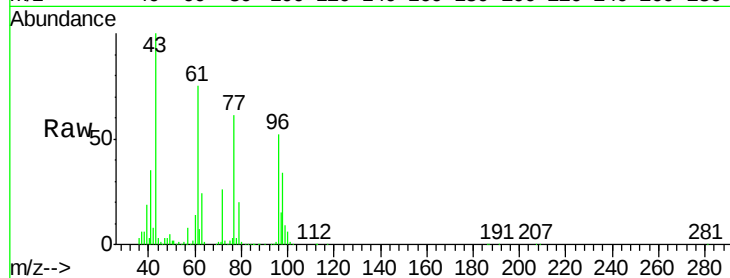
ClientSampled :

Tot Ion: 43 Resp: 1580691

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 50.83 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049461.D

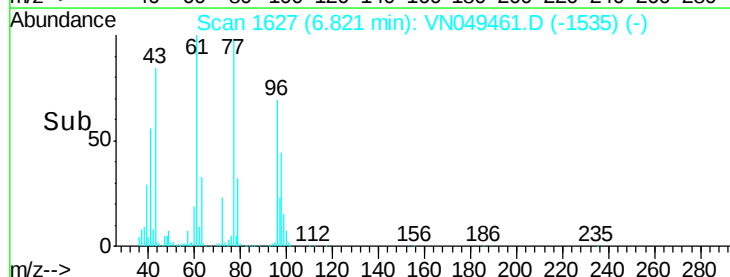
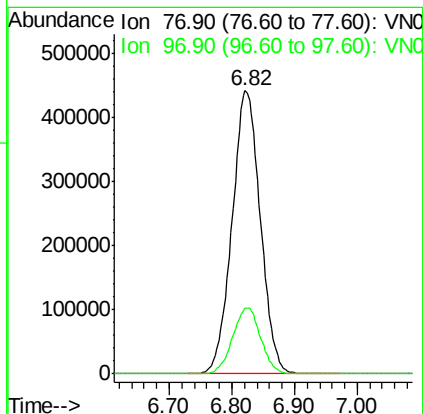
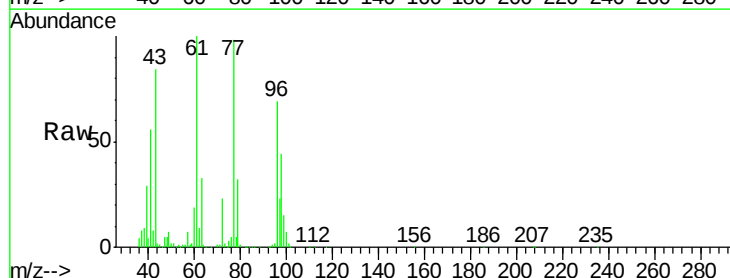
Acq: 21 Jun 2018 11:26

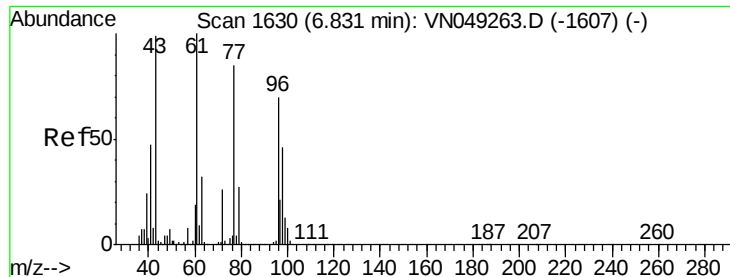
Tgt Ion: 77 Resp: 1383380

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 48.75 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampled :

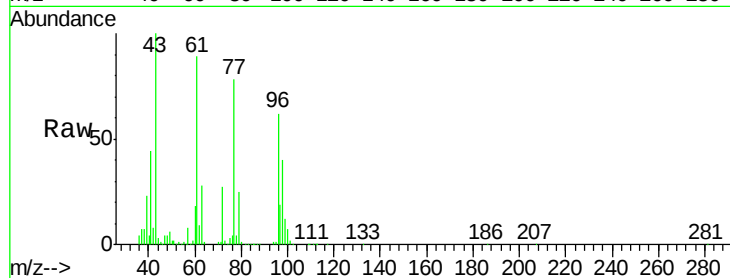
Tot Ion: 96 Resp: 958216

Ion Ratio Lower Upper

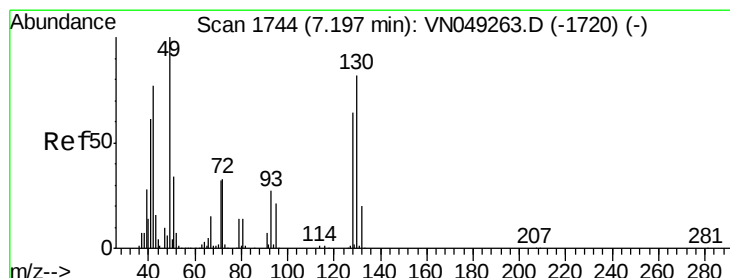
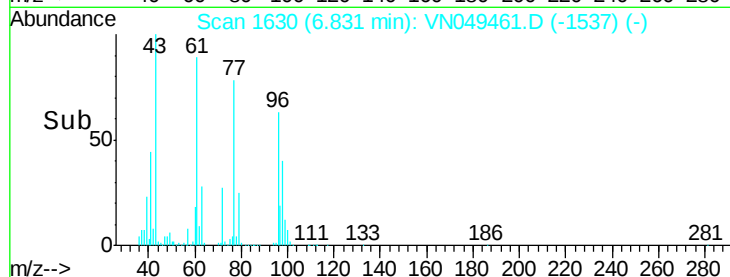
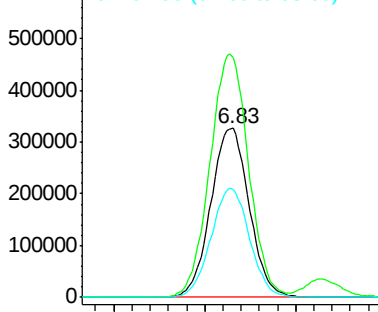
96 100

61 144.6 0.0 316.4

98 64.5 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: 45.07 ug/l

RT: 7.19 min Scan# 1742

Delta R.T. -0.01 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

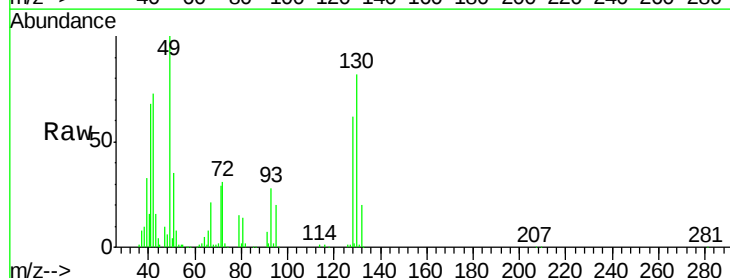
Tgt Ion: 49 Resp: 673425

Ion Ratio Lower Upper

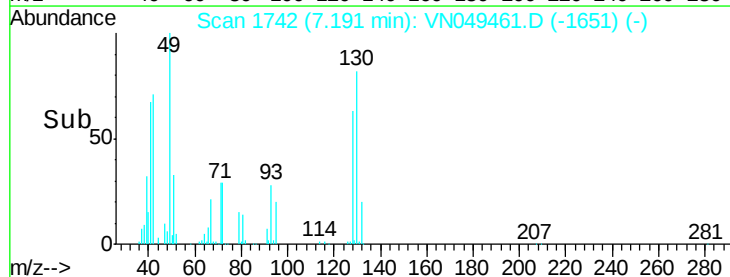
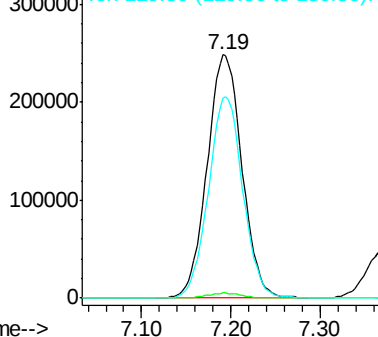
49 100

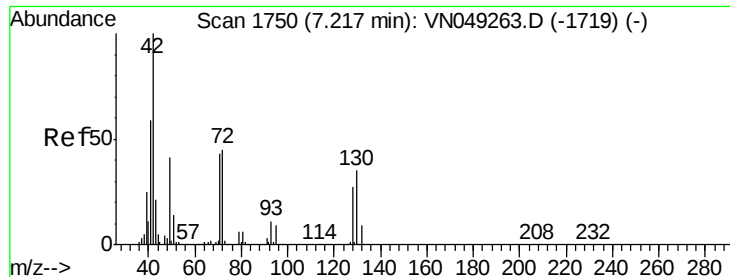
129 2.0 0.0 3.8

130 81.9 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: 243.14 ug/l

RT: 7.21 min Scan# 1748

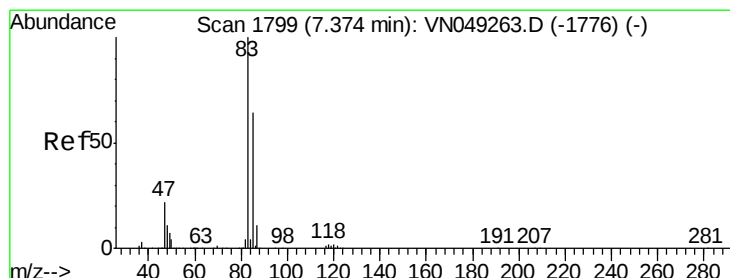
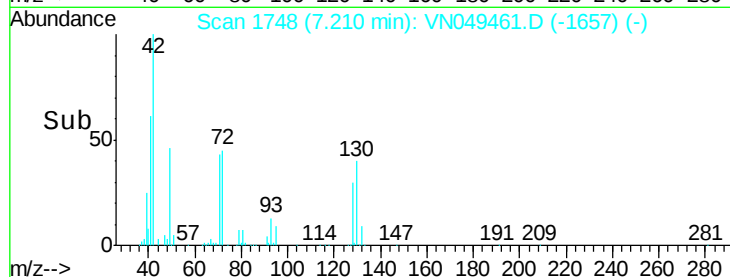
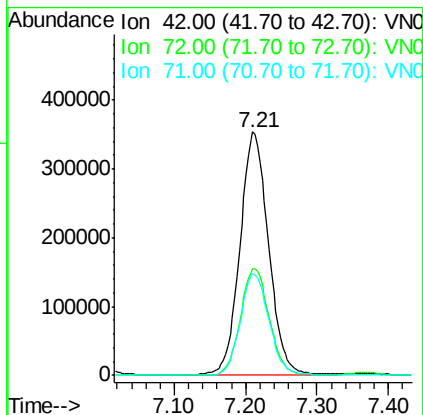
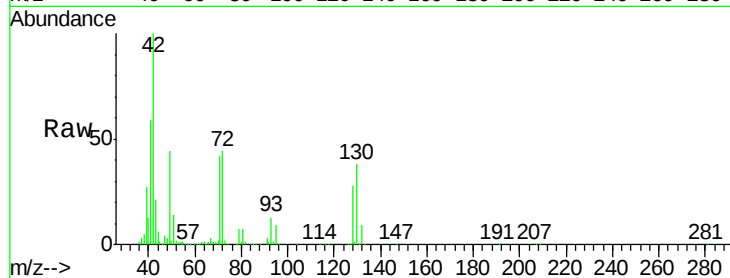
Delta R.T. -0.01 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	42	Resp:	985602
Ion	Ratio	Lower	Upper
42	100		
72	44.3	32.2	48.4
71	42.0	30.5	45.7



#30

Chloroform

Concen: 49.13 ug/l

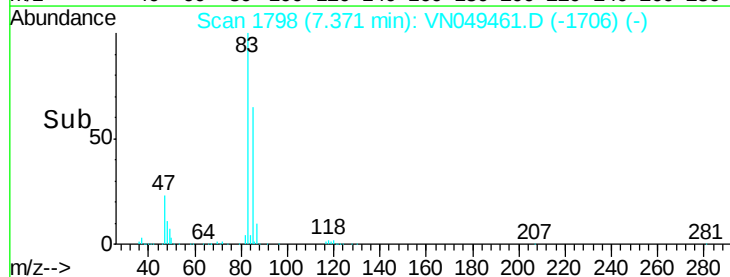
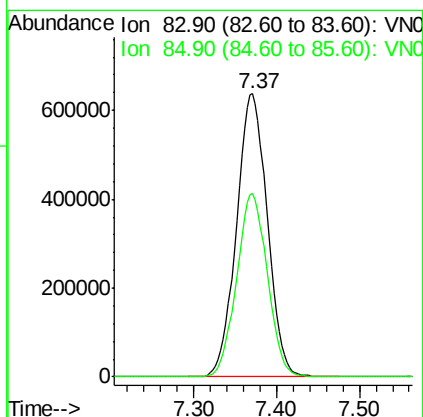
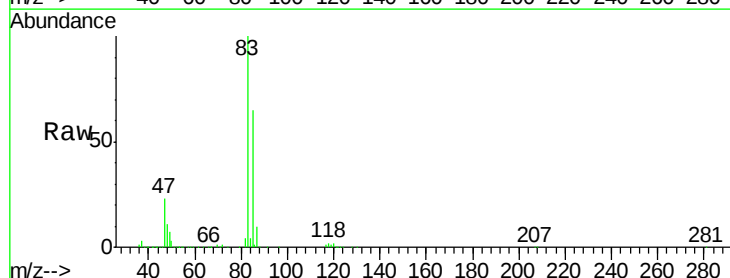
RT: 7.37 min Scan# 1798

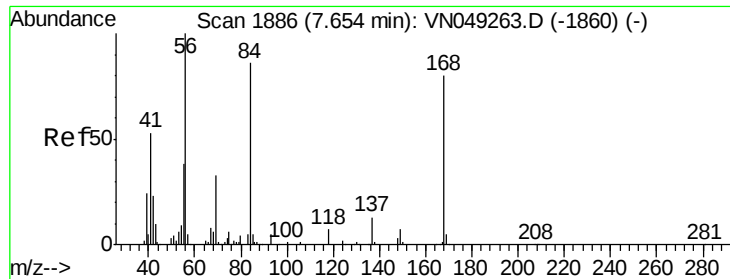
Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion:	83	Resp:	1647753
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5

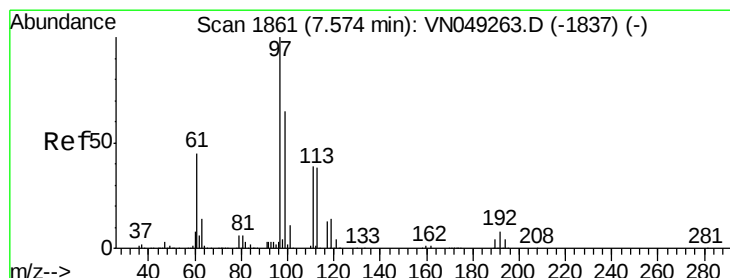
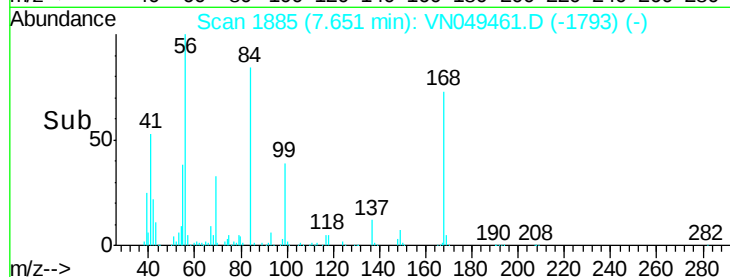
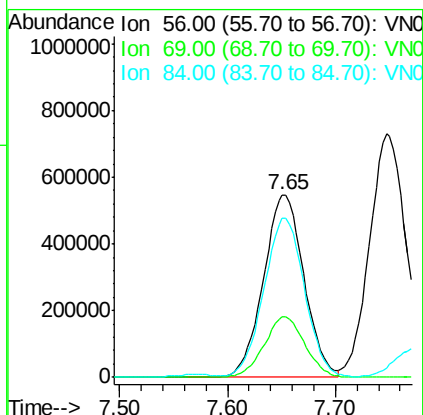
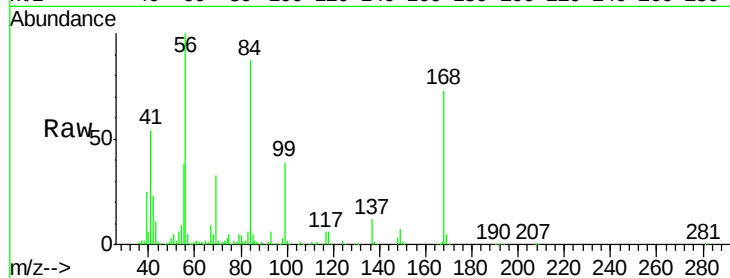




#31
Cyclohexane
Concen: 49.88 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

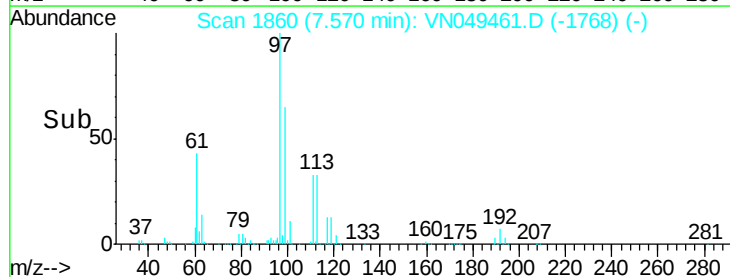
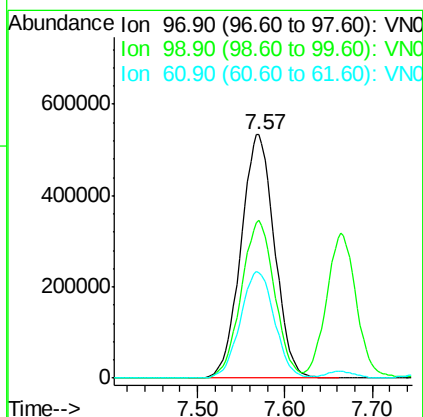
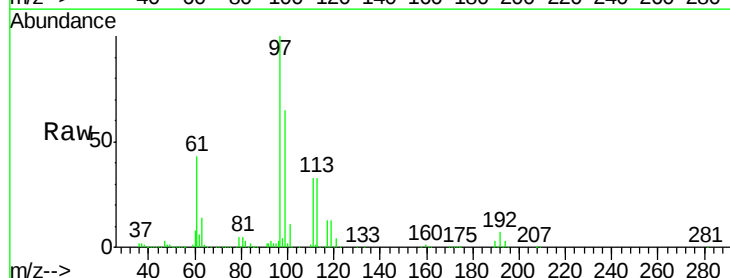
Instrument :
MSVOA_N
ClientSampleId :

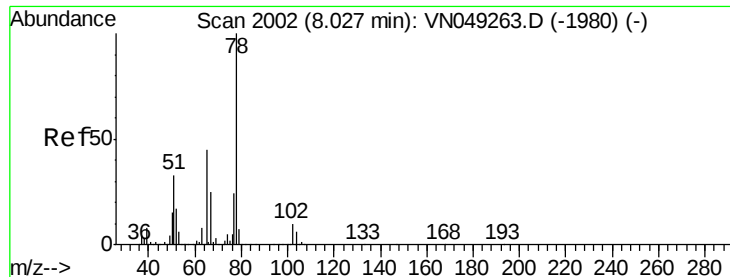
Tot Ion: 56 Resp: 1424884
Ion Ratio Lower Upper
56 100
69 32.9 25.0 37.4
84 85.4 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 49.55 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 97 Resp: 1417753
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 44.5 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 45.53 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

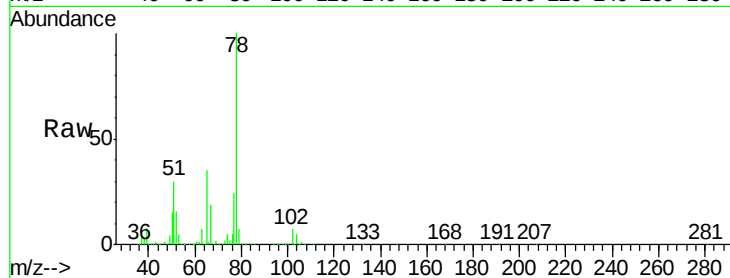
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 879497

Ion Ratio Lower Upper

65 100

67 54.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049461.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049461.D (-1909) (-)

8.03

400000

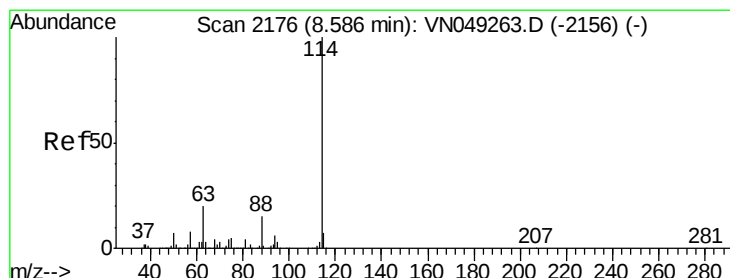
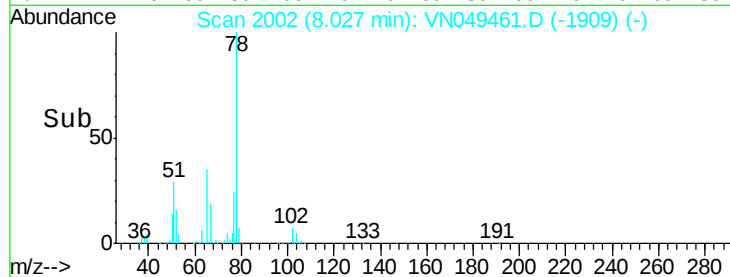
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

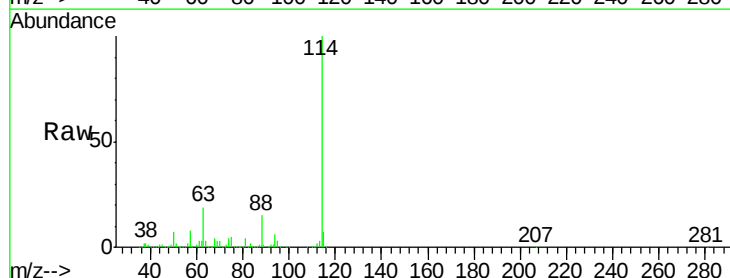
Tgt Ion: 114 Resp: 2071475

Ion Ratio Lower Upper

114 100

63 19.2 0.0 44.4

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049461.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049461.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049461.D (-2083) (-)

8.59

1200000

1000000

800000

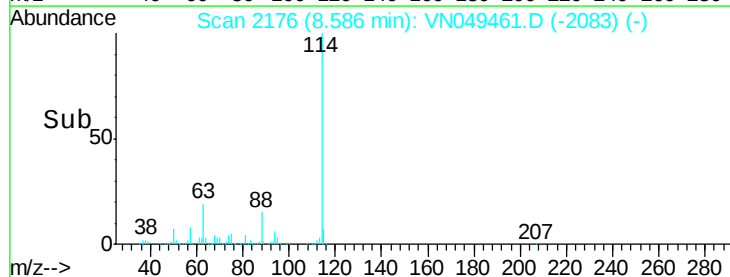
600000

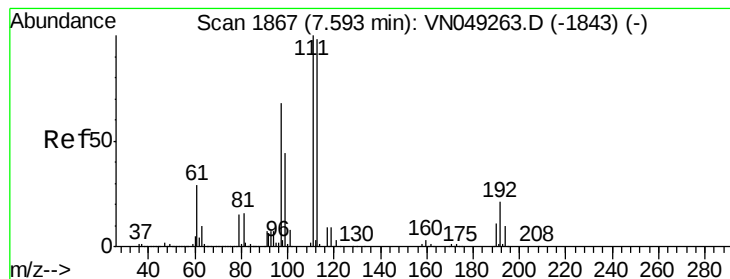
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.86 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :

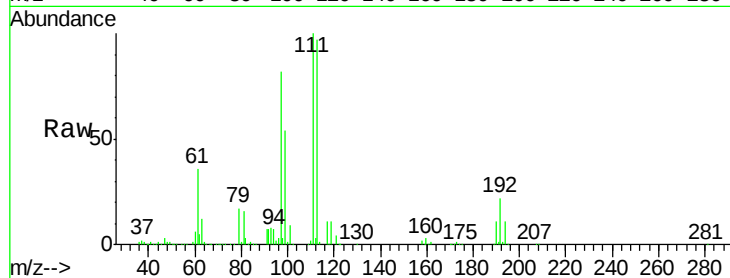
Tot Ion:113 Resp: 802102

Ion Ratio Lower Upper

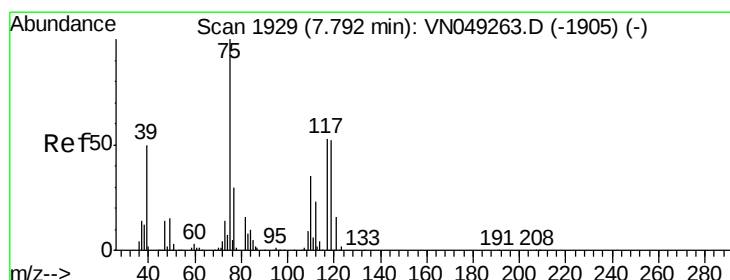
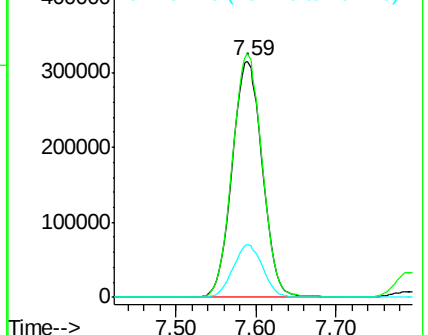
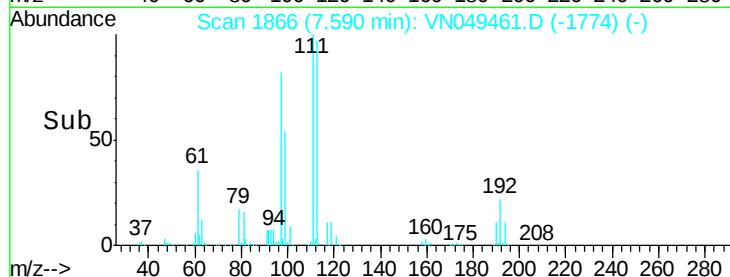
113 100

111 102.0 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: 53.37 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

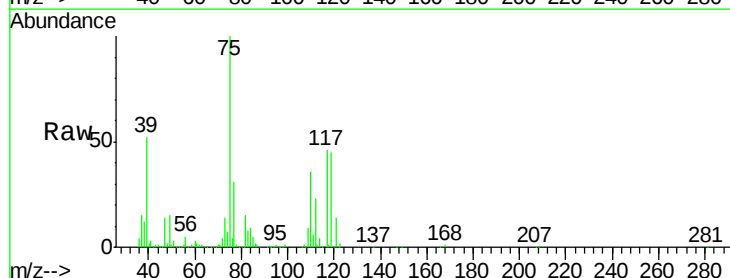
Tgt Ion: 75 Resp: 1267136

Ion Ratio Lower Upper

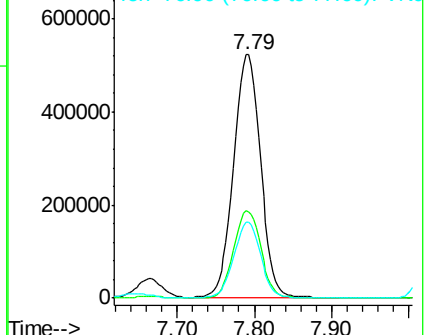
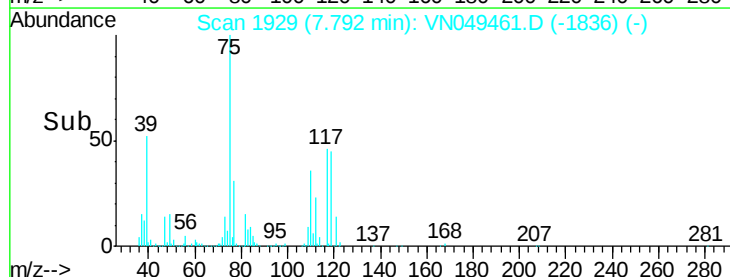
75 100

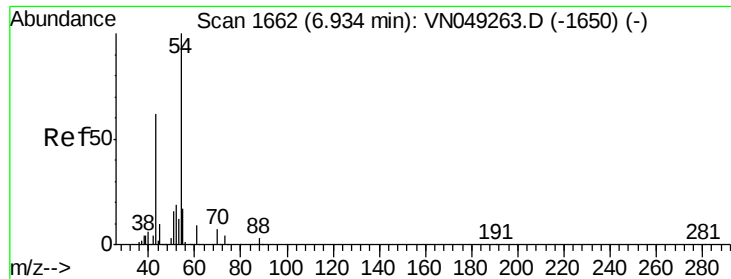
110 36.4 17.0 50.9

77 31.0 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

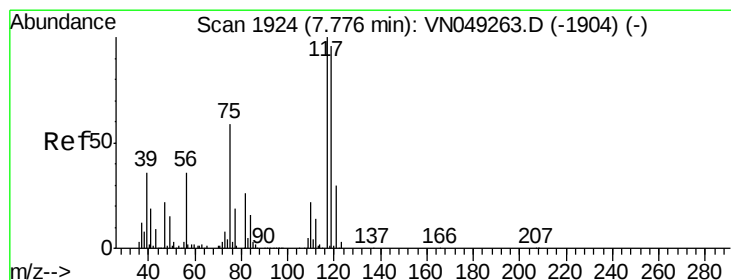
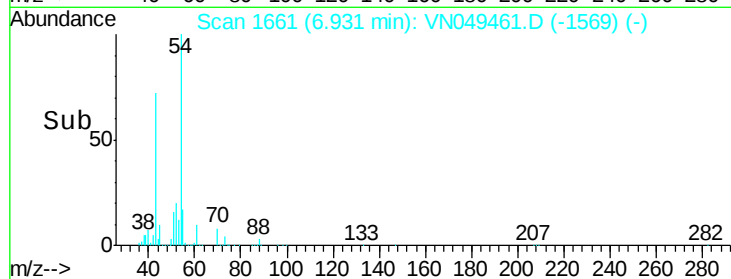
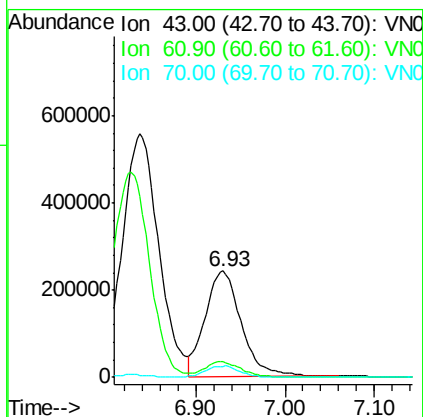
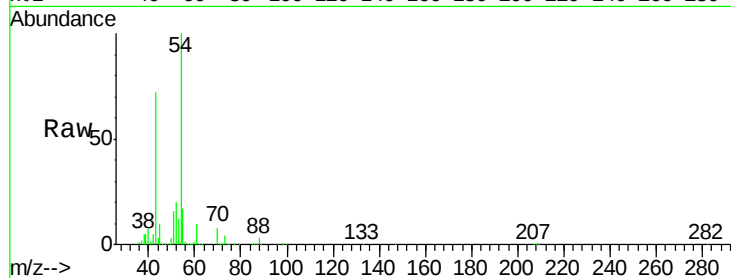




#37
Ethyl Acetate
Concen: 53.06 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

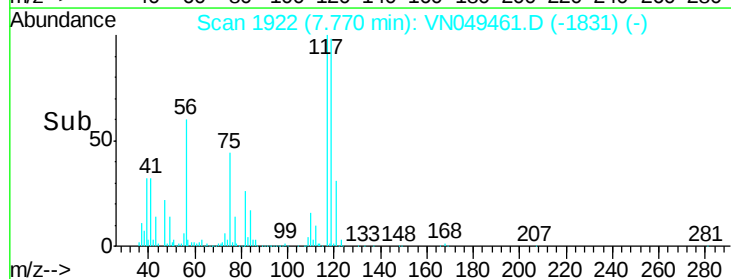
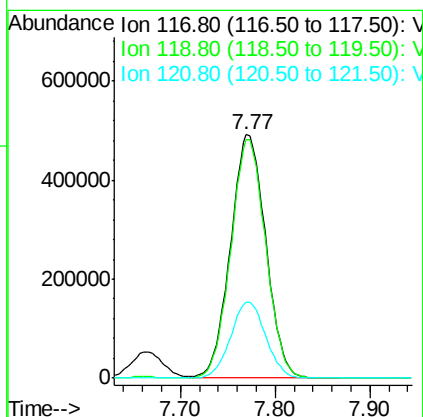
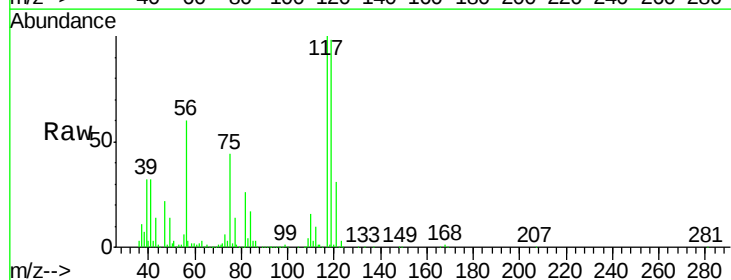
Instrument :
MSVOA_N
ClientSampleId :

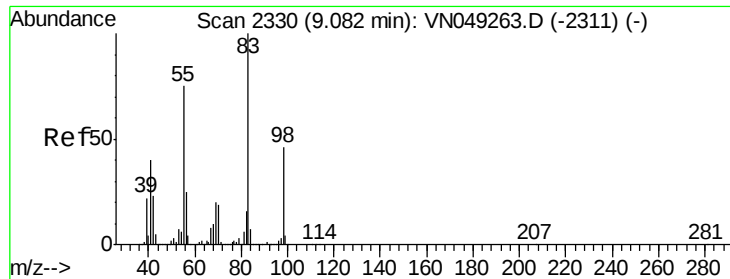
Tot Ion: 43 Resp: 684887
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 10.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 51.54 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 117 Resp: 1266871
Ion Ratio Lower Upper
117 100
119 97.8 75.6 113.4
121 31.0 24.7 37.1

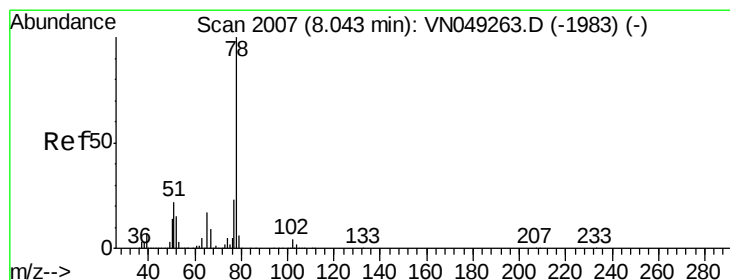
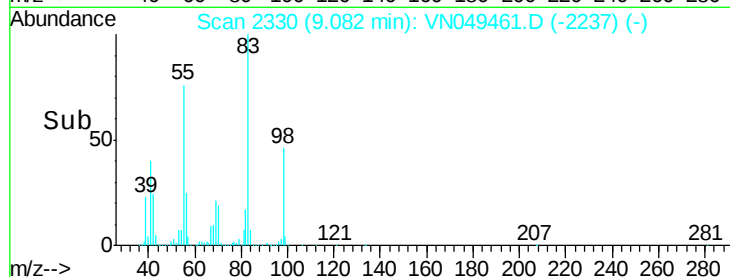
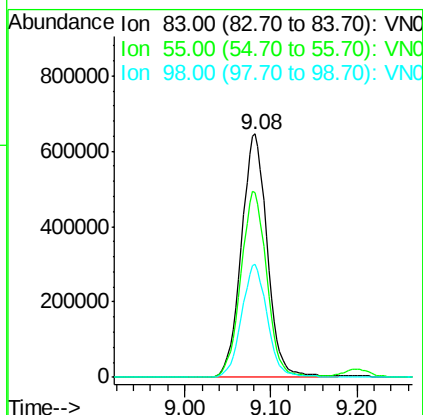
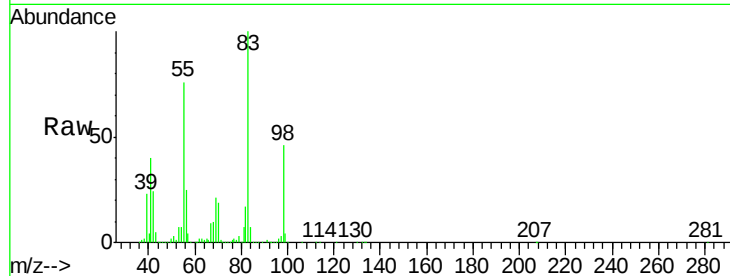




#39
Methvlcvclohexane
Concen: 53.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

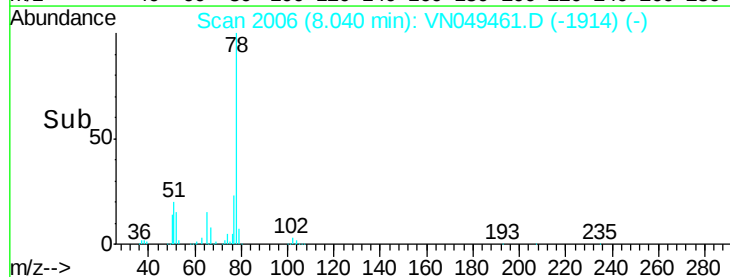
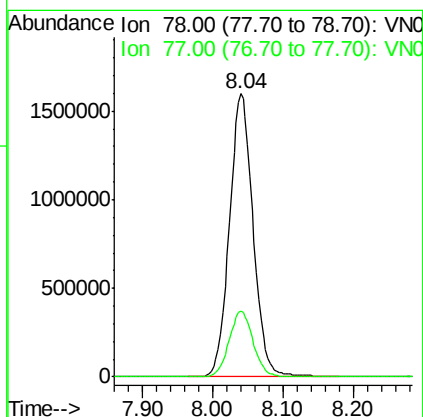
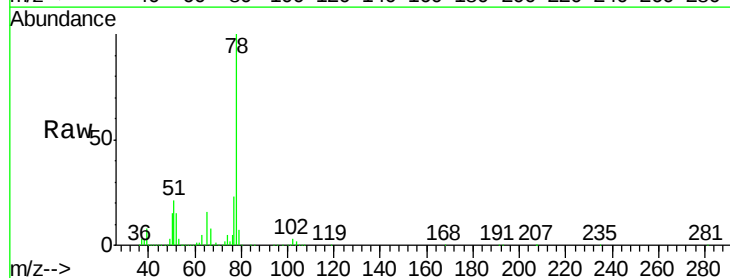
Instrument :
MSVOA_N
ClientSampled :

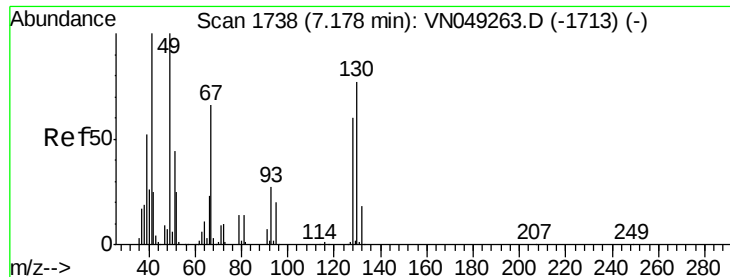
Tot Ion: 83 Resp: 1351950
Ion Ratio Lower Upper
83 100
55 76.0 65.1 97.7
98 46.3 36.5 54.7



#40
Benzene
Concen: 51.51 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 78 Resp: 3748858
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

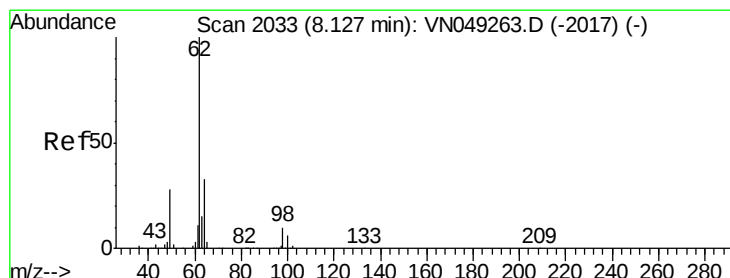
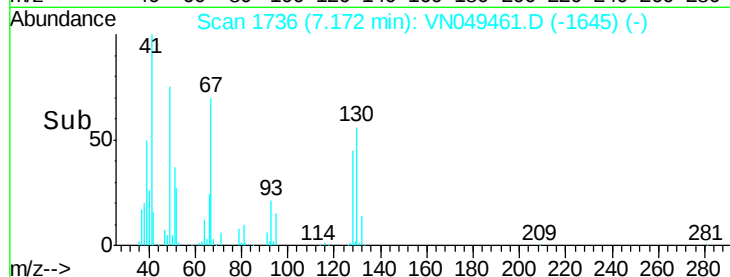
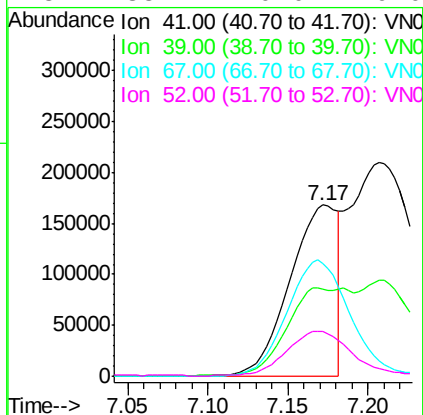
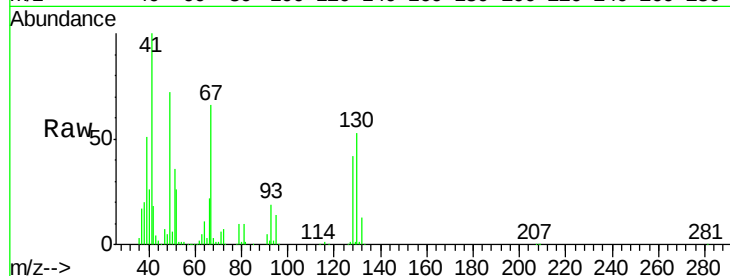




#41
Methacrylonitrile
Concen: 49.89 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

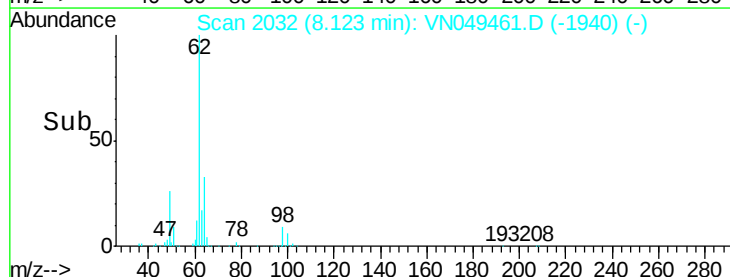
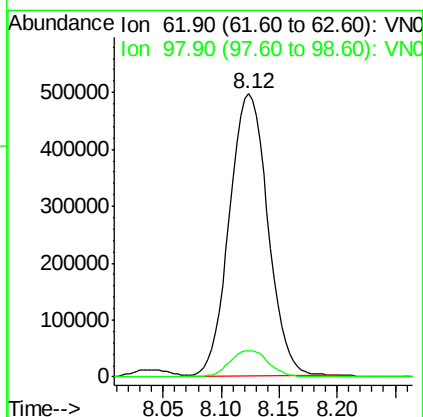
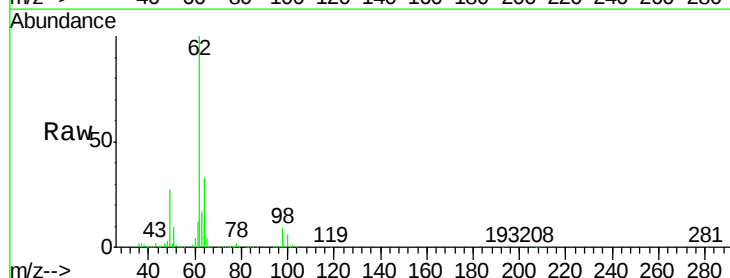
Instrument :
MSVOA_N
ClientSampled :

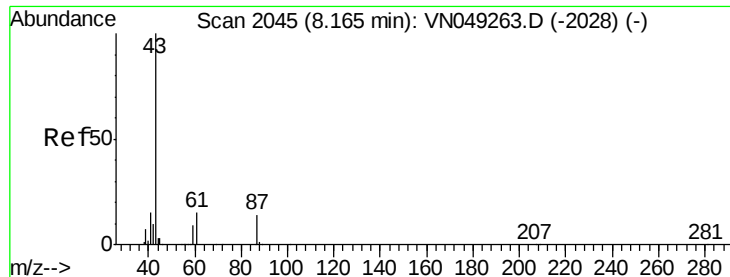
Tot Ion:	41	Resp:	348140
Ion	Ratio	Lower	Upper
41	100		
39	44.5	0.0	0.0#
67	90.1	0.0	0.0#
52	35.2	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 51.05 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion:	62	Resp:	1147952
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.20 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

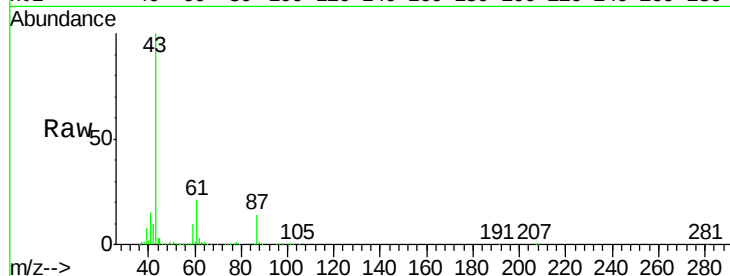
Tot Ion: 43 Resp: 1287328

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

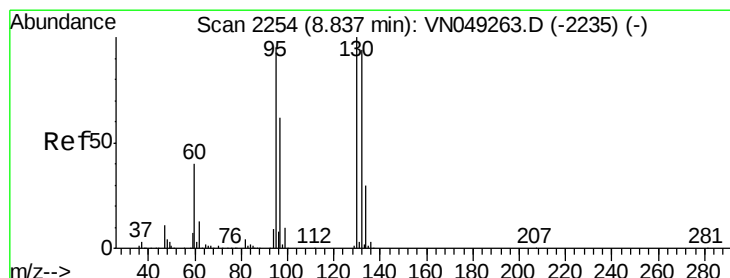
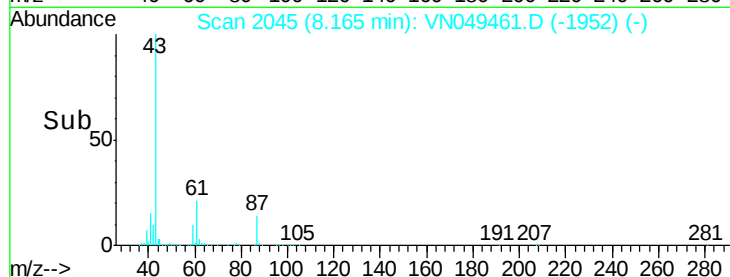
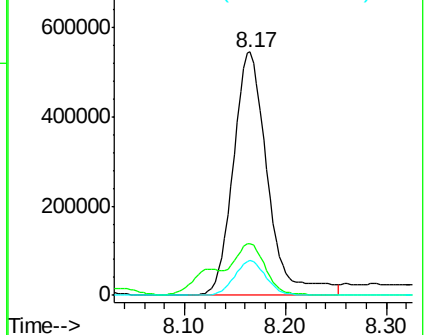
87 13.1 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049461.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049461.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049461.D (-1952) (-)



#44

Trichloroethene

Concen: 52.72 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049461.D

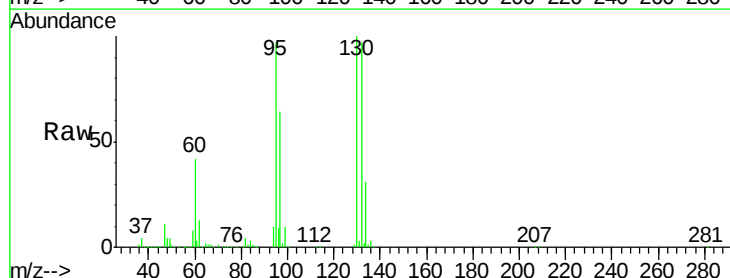
Acq: 21 Jun 2018 11:26

Tgt Ion:130 Resp: 1013257

Ion Ratio Lower Upper

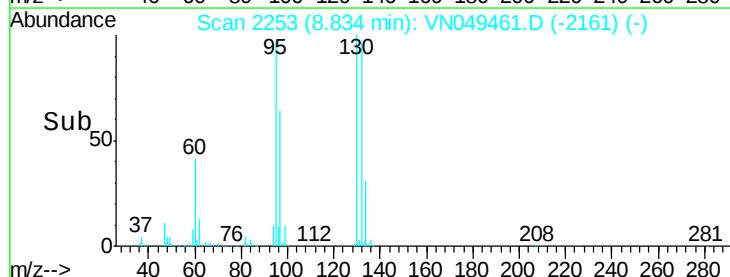
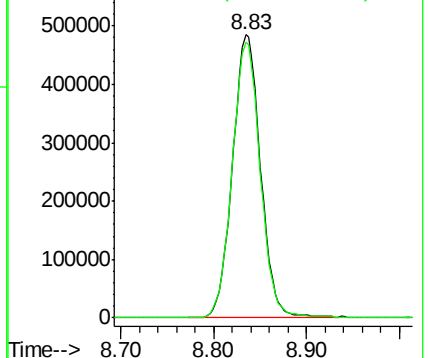
130 100

95 97.3 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049461.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049461.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 52.03 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

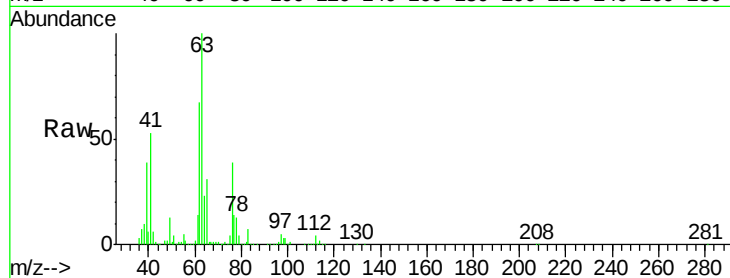
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 991574

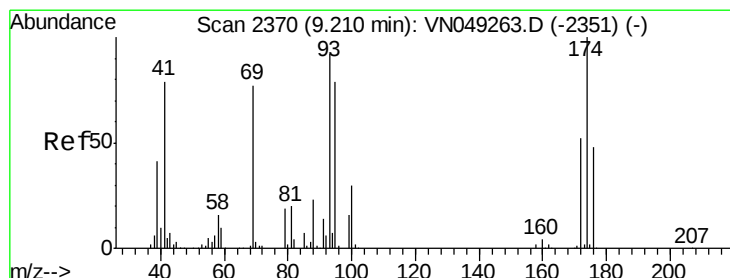
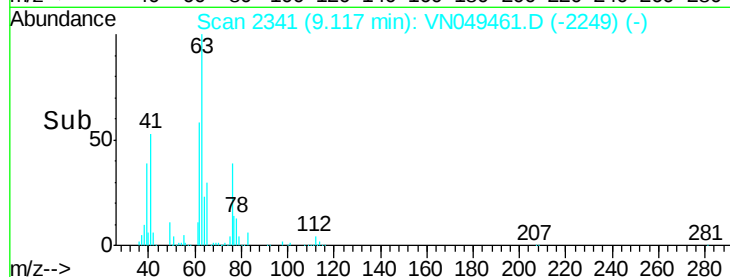
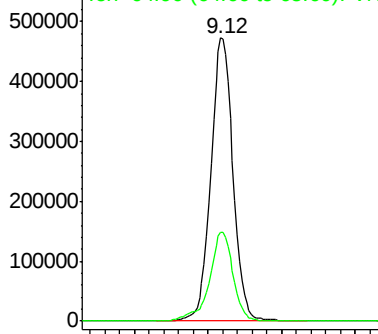
Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



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



#46

Dibromomethane

Concen: 51.93 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

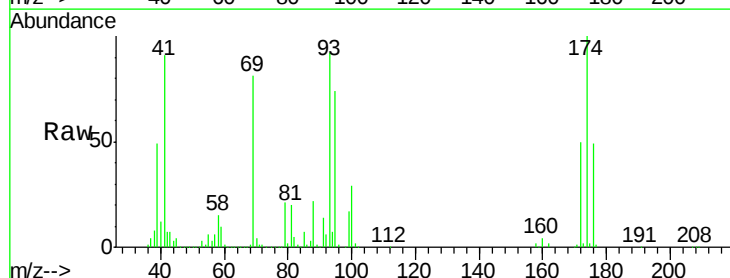
Tgt Ion: 93 Resp: 573814

Ion Ratio Lower Upper

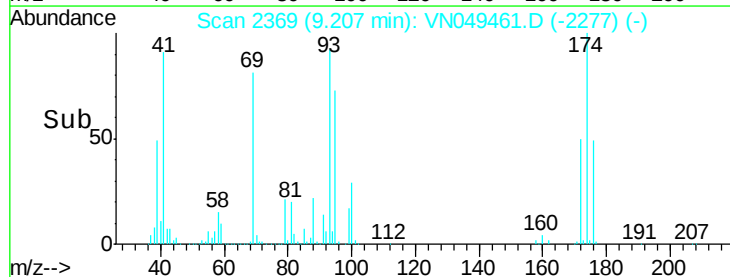
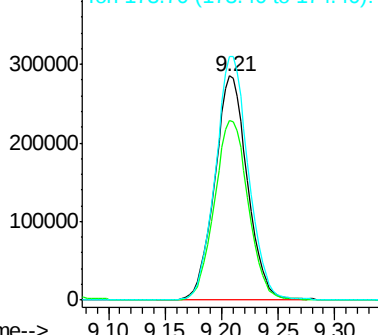
93 100

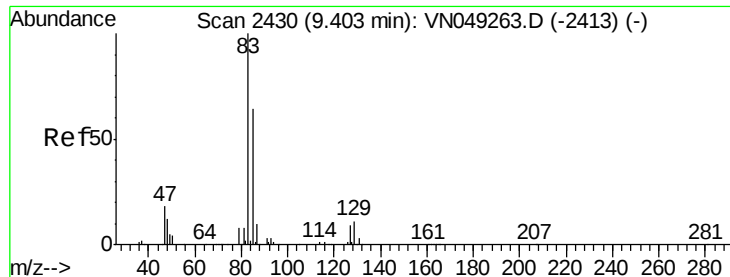
95 82.6 67.2 100.8

174 110.1 75.6 113.4



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





#47

Bromodichloromethane

Concen: 52.63 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampled :

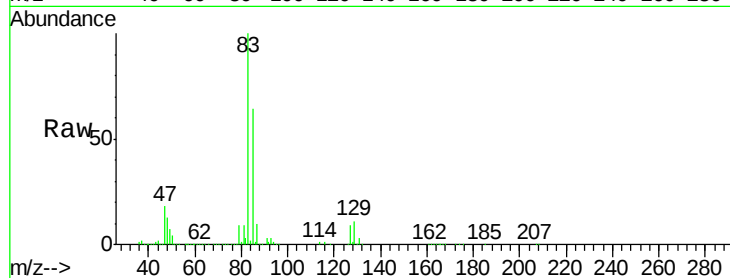
Tot Ion: 83 Resp: 1278159

Ion Ratio Lower Upper

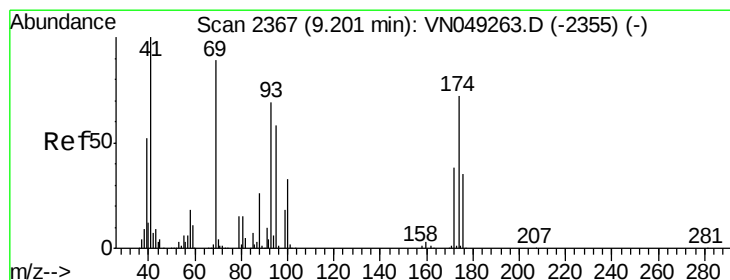
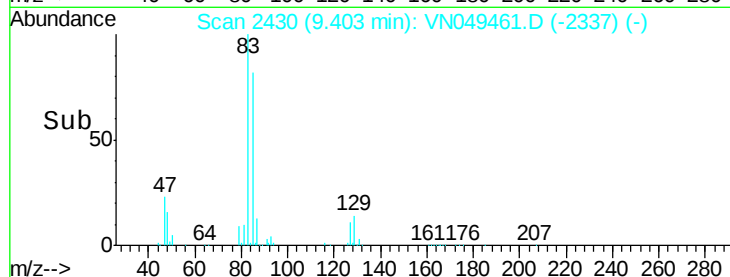
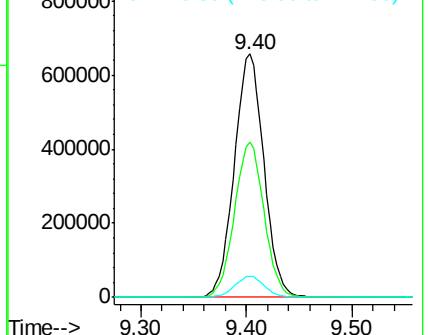
83 100

85 63.6 49.4 74.0

127 8.6 6.3 9.5



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



#48

Methyl methacrylate

Concen: 54.22 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

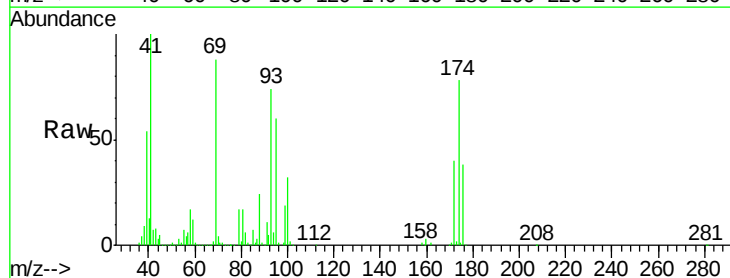
Tgt Ion: 41 Resp: 629677

Ion Ratio Lower Upper

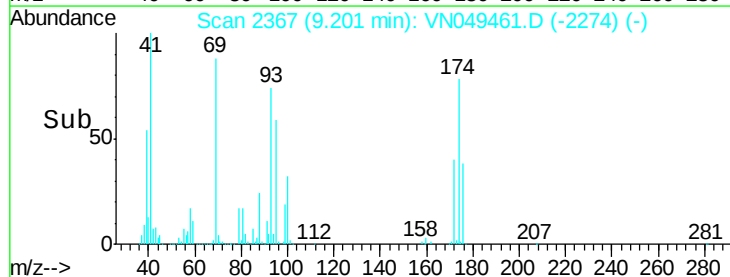
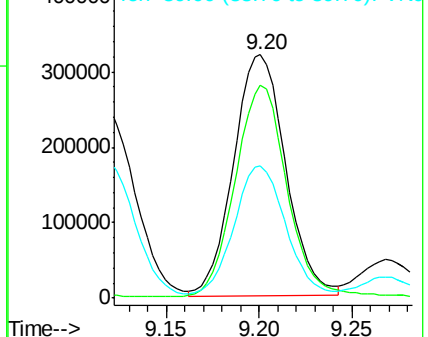
41 100

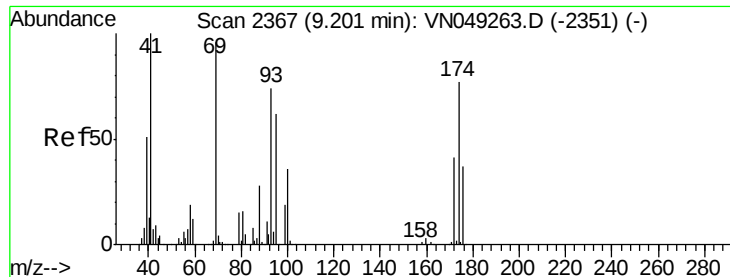
69 88.3 62.0 93.0

39 54.9 50.6 75.8



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

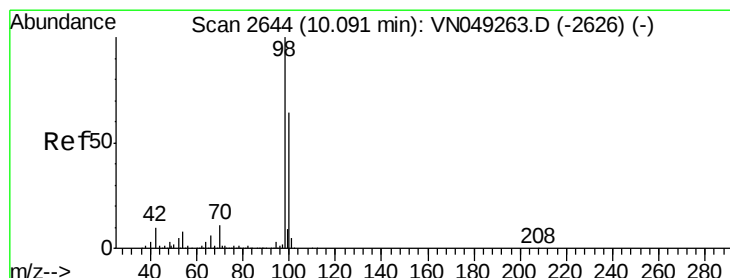
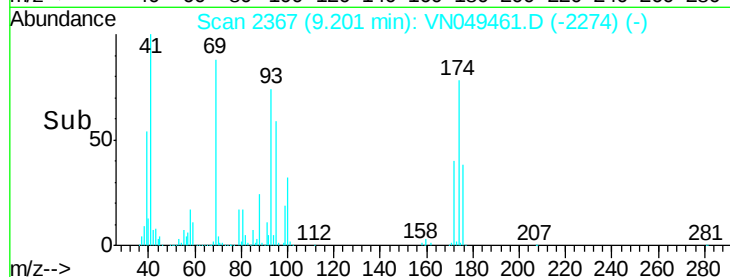
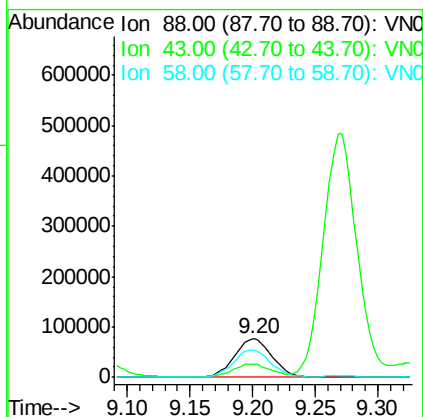
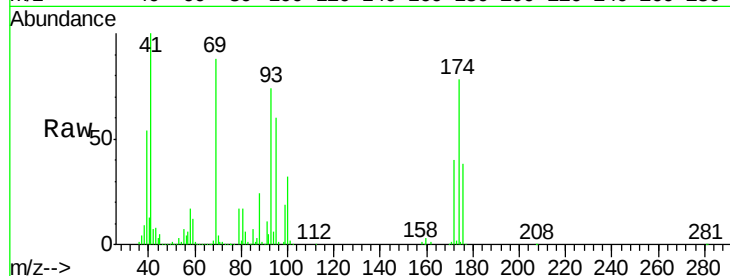




#49
1,4-Dioxane
Concen: 1000.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

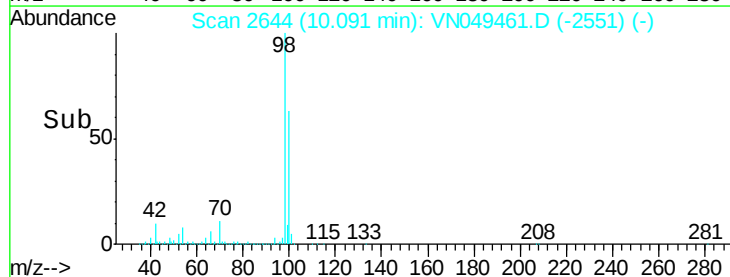
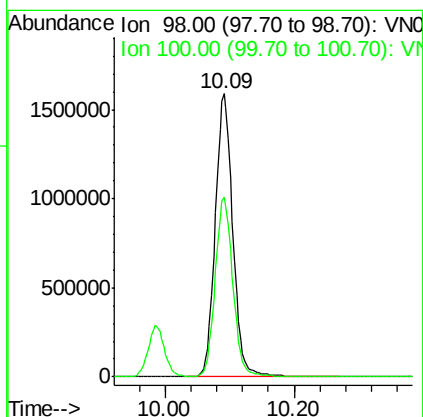
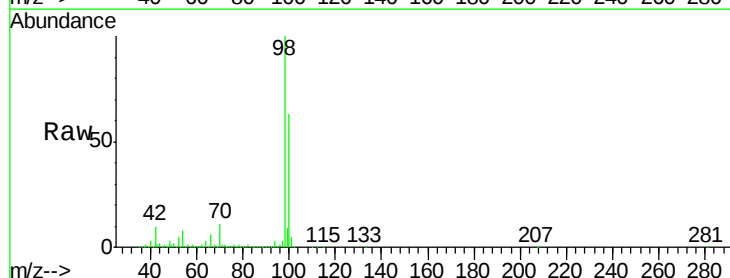
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 160300
Ion Ratio Lower Upper
88 100
43 32.0 30.9 46.3
58 70.9 58.9 88.3



#50
Toluene-d8
Concen: 46.88 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 98 Resp: 2991294
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8

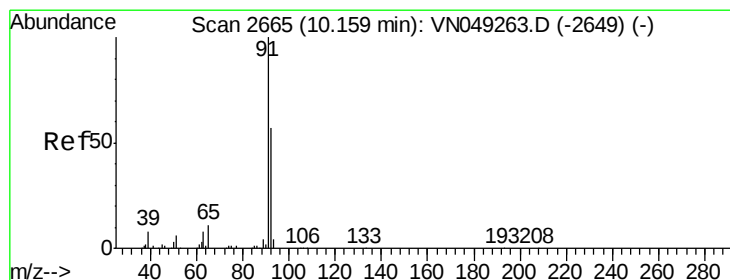
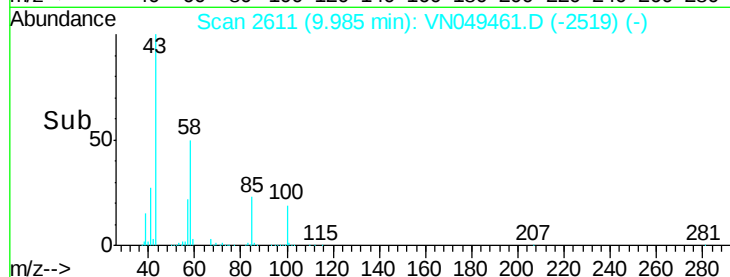
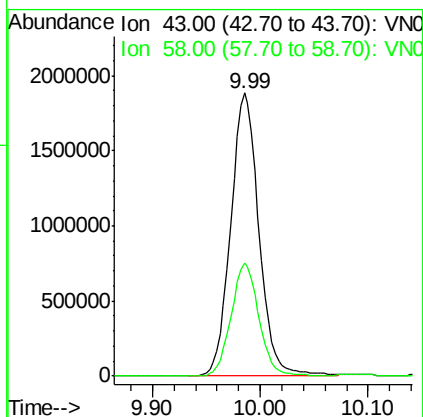
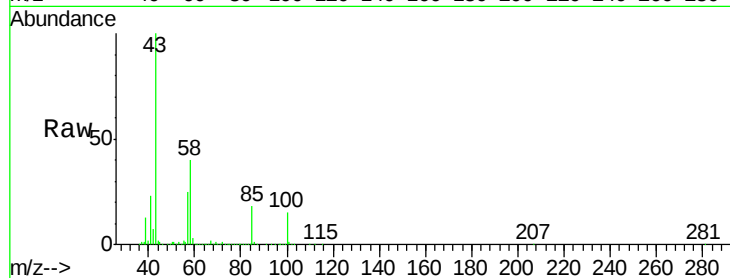




#51
4-Methyl-2-Pentanone
Concen: 265.76 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

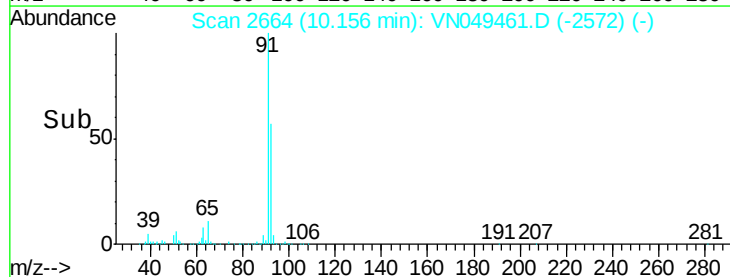
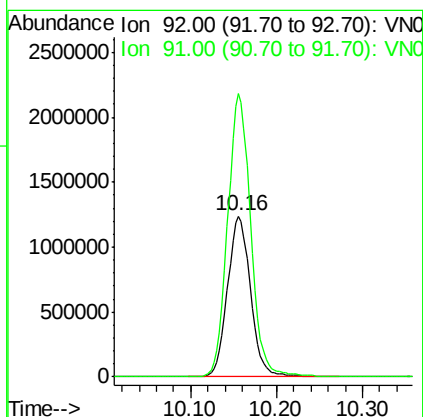
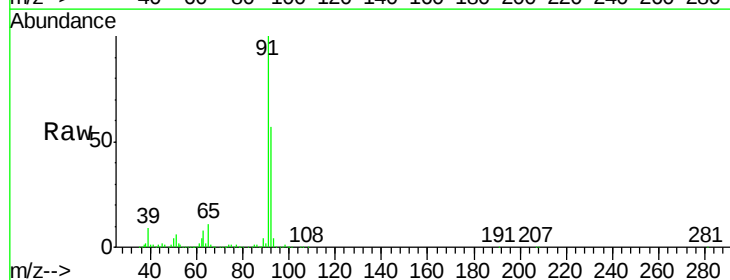
Instrument :
MSVOA_N
ClientSampleId :

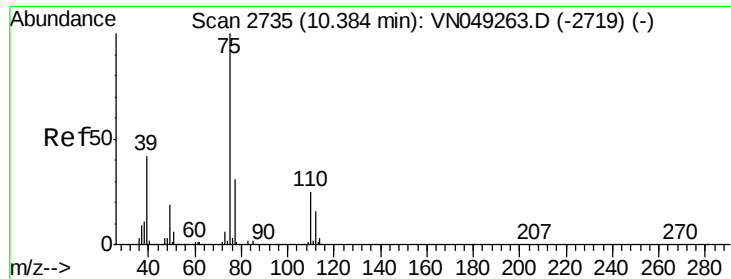
Tot Ion: 43 Resp: 3434831
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6



#52
Toluene
Concen: 53.97 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 92 Resp: 2305602
Ion Ratio Lower Upper
92 100
91 176.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 53.49 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

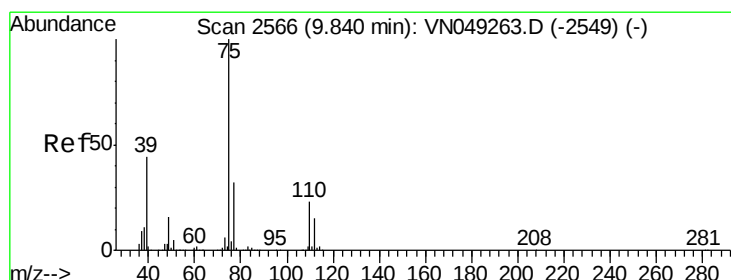
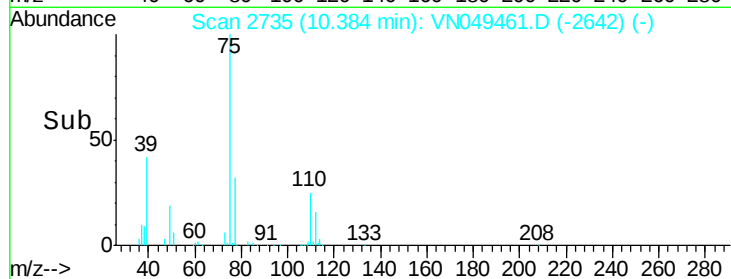
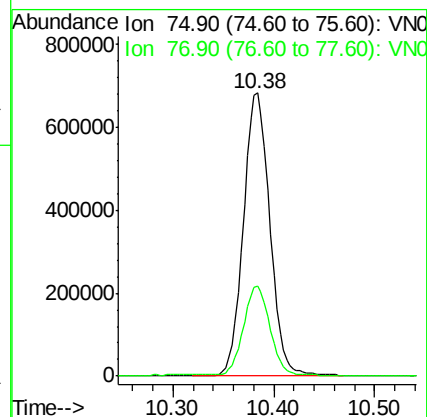
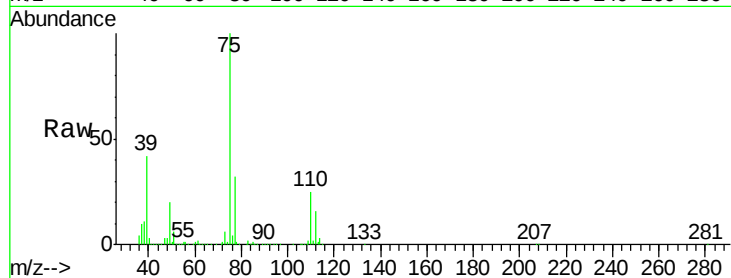
ClientSampleId :

Tot Ion: 75 Resp: 1242592

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 53.61 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

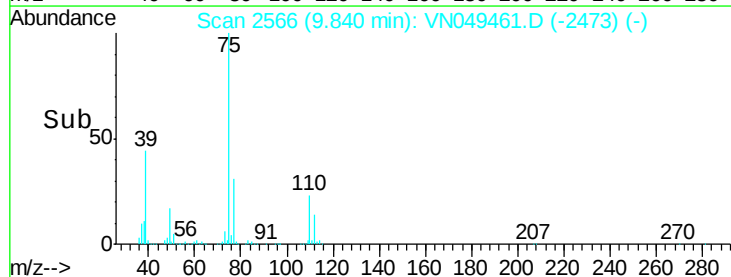
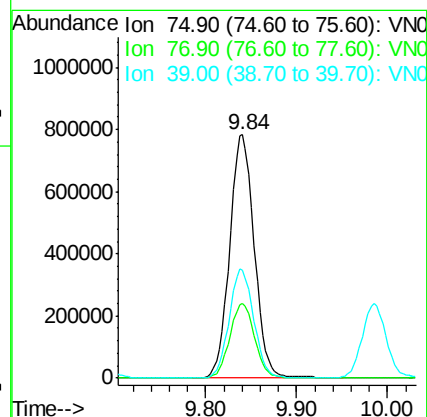
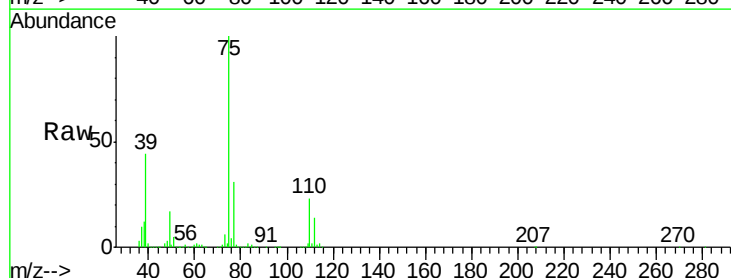
Tgt Ion: 75 Resp: 1470542

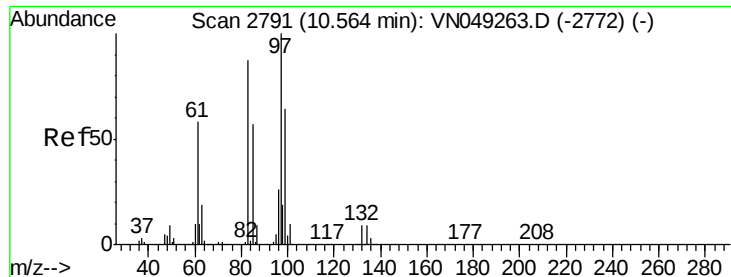
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 44.3 45.1 67.7#

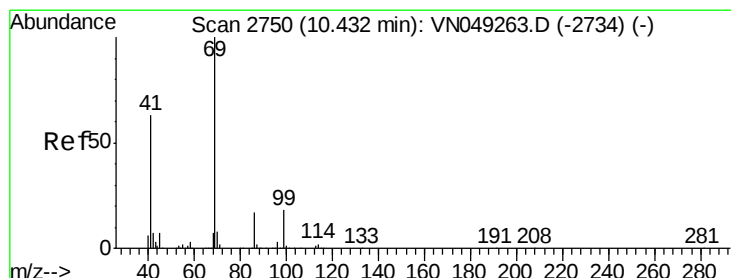
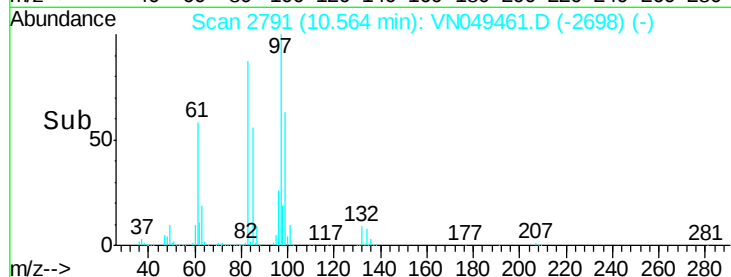
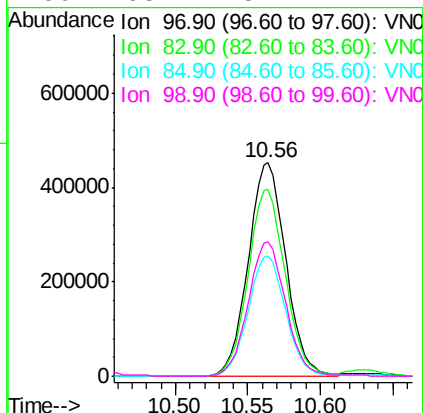
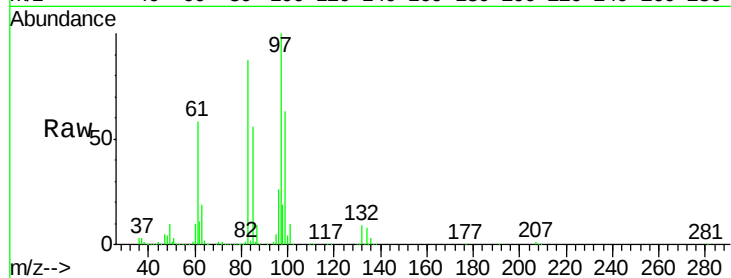




#55
 1,1,2-Trichloroethane
 Concen: 51.26 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

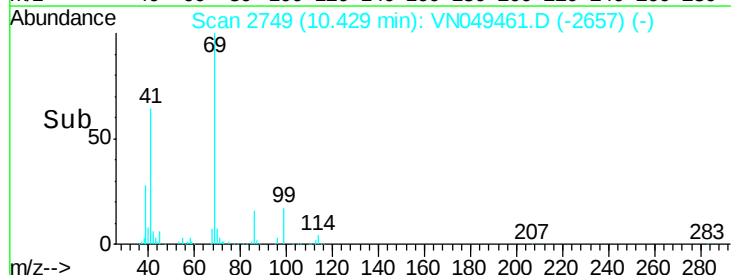
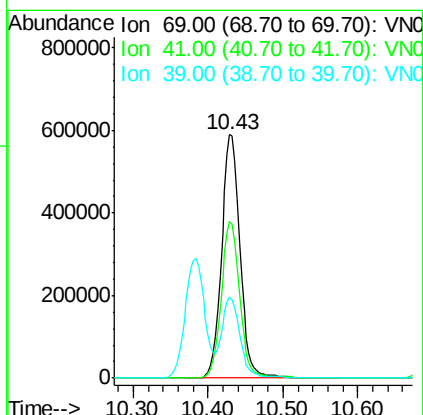
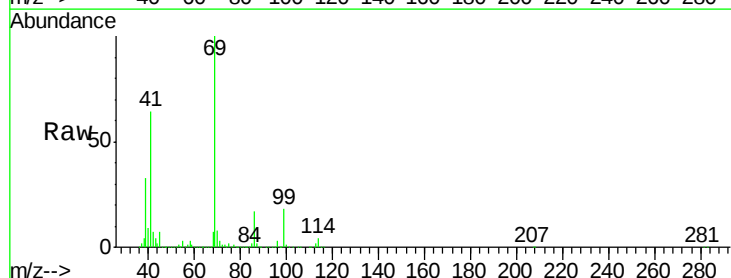
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 816323
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.5 107.3
 85 56.4 47.0 70.4
 99 63.1 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 54.36 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

Tgt Ion: 69 Resp: 998703
 Ion Ratio Lower Upper
 69 100
 41 63.9 58.4 87.6
 39 31.4 35.5 53.3#





#57

1,3-Dichloropropane

Concen: 52.29 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

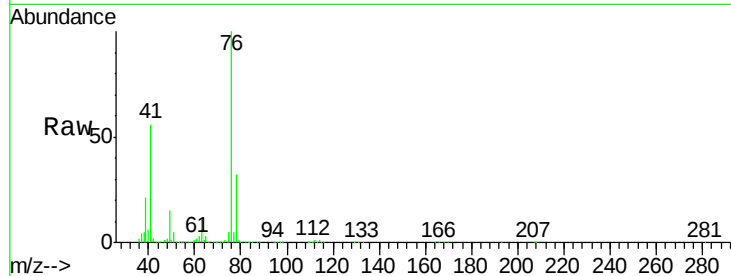
ClientSampleId :

Tot Ion: 76 Resp: 1379541

Ion Ratio Lower Upper

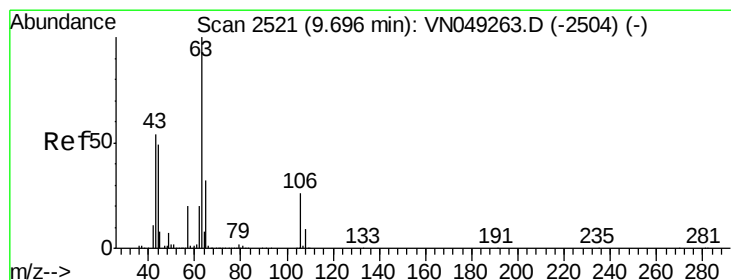
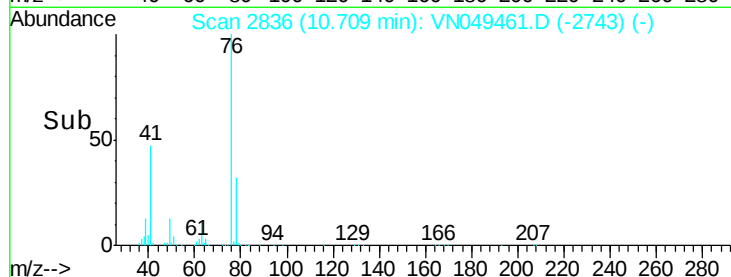
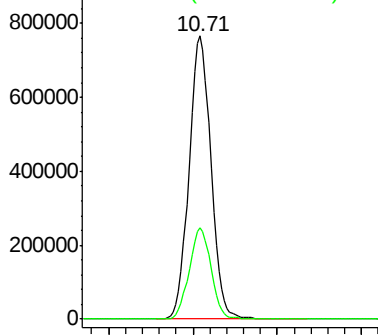
76 100

78 32.1 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 204.31 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049461.D

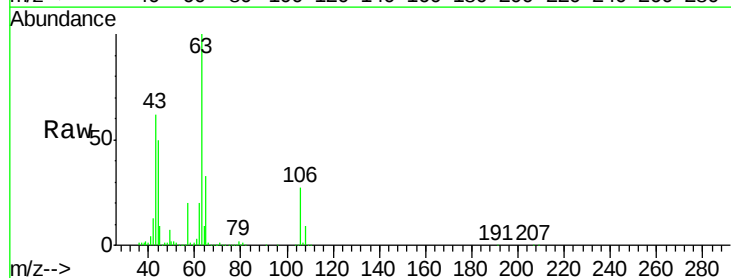
Acq: 21 Jun 2018 11:26

Tgt Ion: 63 Resp: 1323696

Ion Ratio Lower Upper

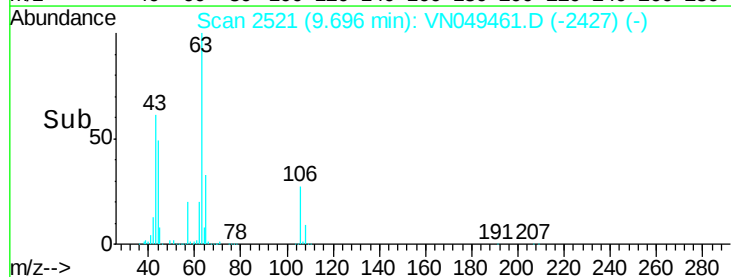
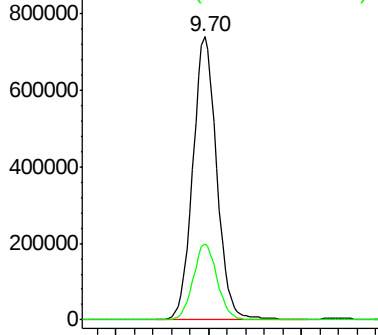
63 100

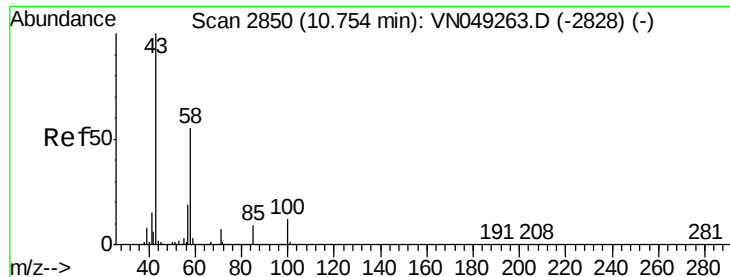
106 26.9 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

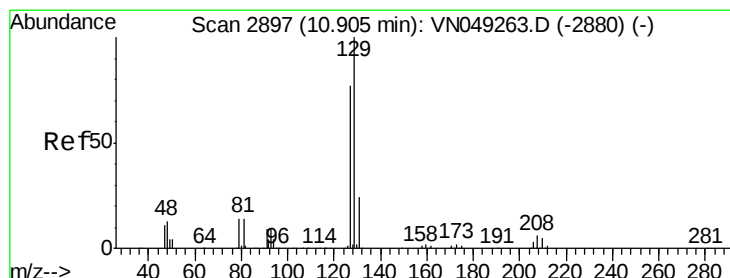
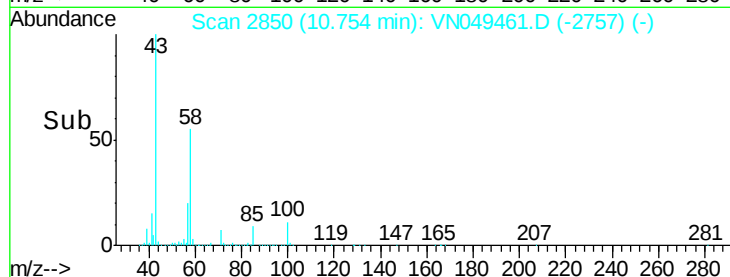
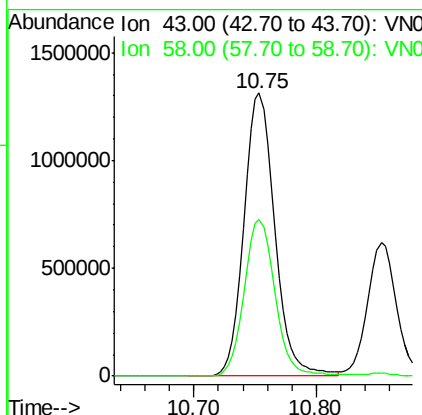
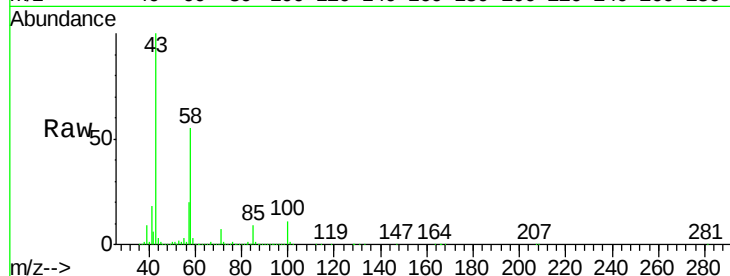




#59
2-Hexanone
Concen: 272.80 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

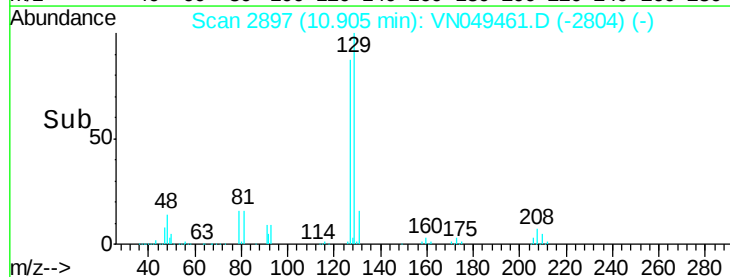
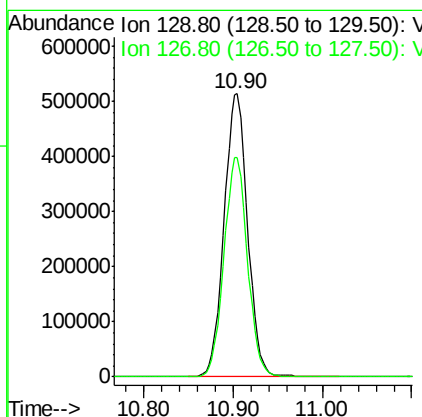
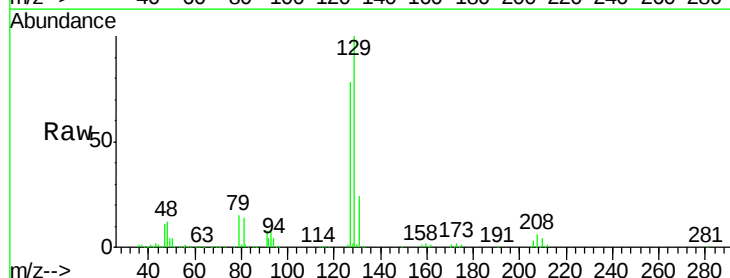
Instrument :
MSVOA_N
ClientSampled :

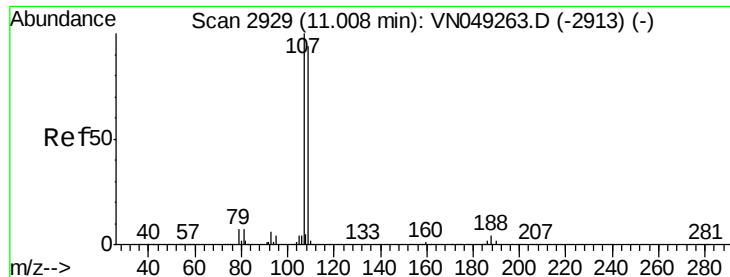
Tot Ion: 43 Resp: 2273073
Ion Ratio Lower Upper
43 100
58 55.6 25.2 75.6



#60
Dibromochloromethane
Concen: 52.71 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 129 Resp: 936884
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.12 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

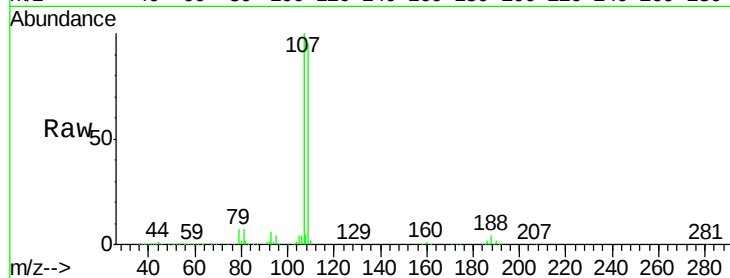
ClientSampleId :

Tot Ion: 107 Resp: 786399

Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

300000

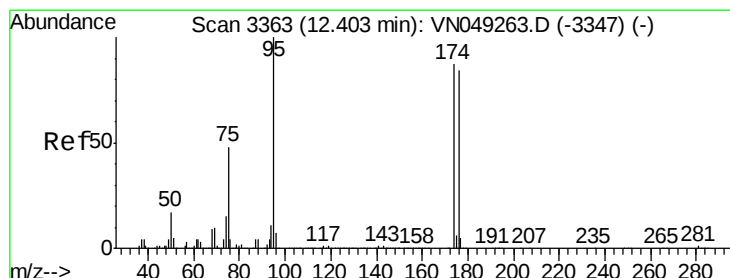
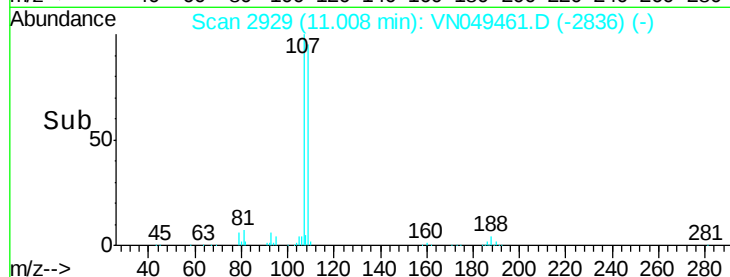
200000

100000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

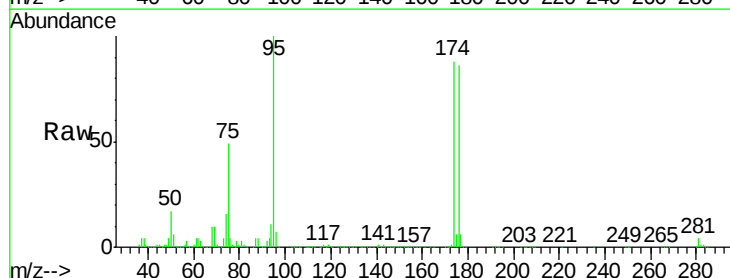
Tgt Ion: 95 Resp: 1032089

Ion Ratio Lower Upper

95 100

174 88.8 0.0 165.6

176 85.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

600000

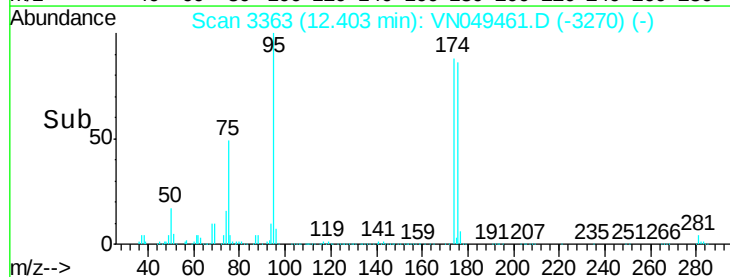
400000

200000

0

Time-->

12.30 12.40 12.50

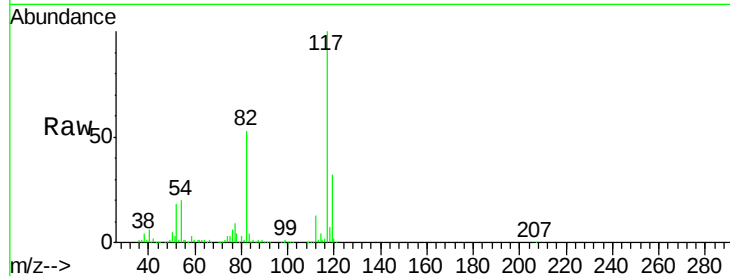




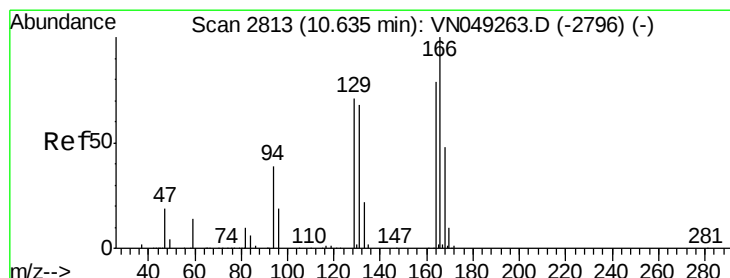
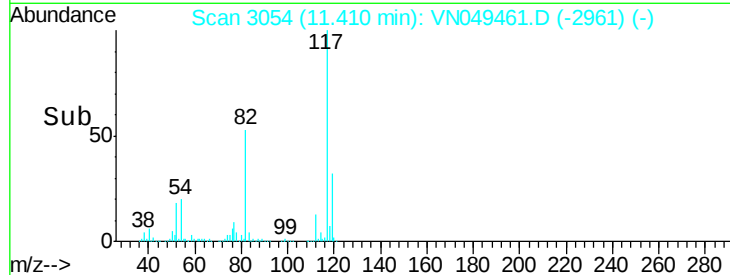
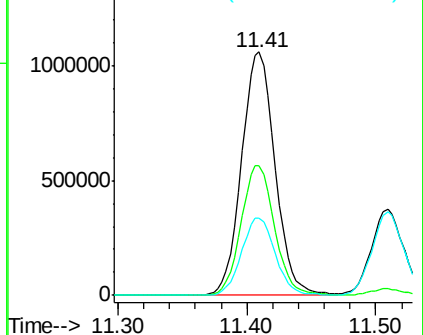
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1918583
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.7 25.5 38.3

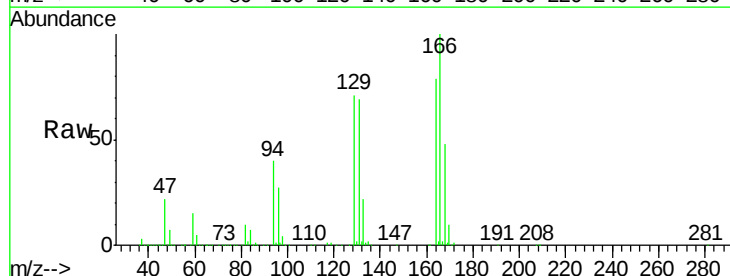


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

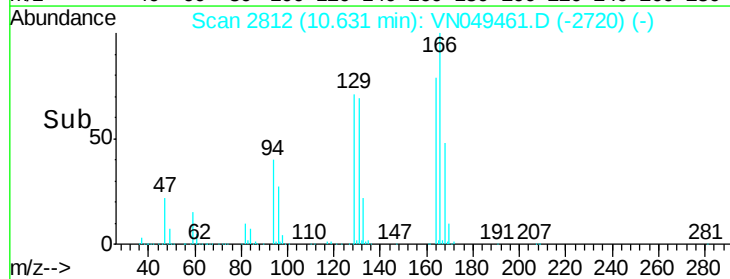
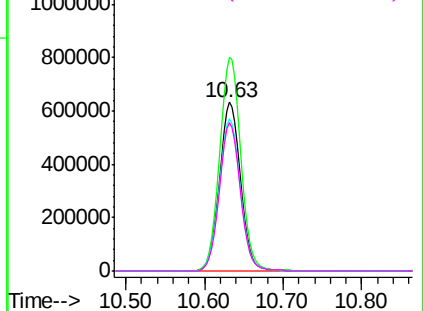


#64
Tetrachloroethene
Concen: 59.08 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion:164 Resp: 1161402
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.2
129 90.2 74.1 111.1
131 87.8 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: 50.71 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

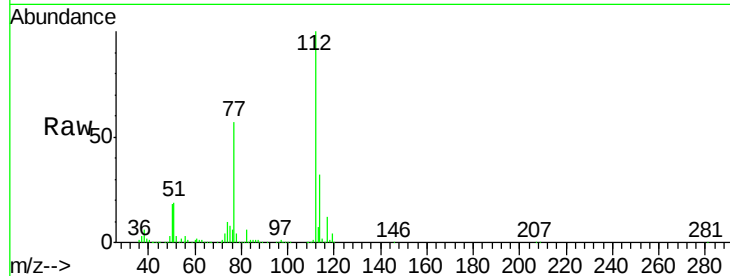
ClientSampled :

Tot Ion:112 Resp: 2506487

Ion Ratio Lower Upper

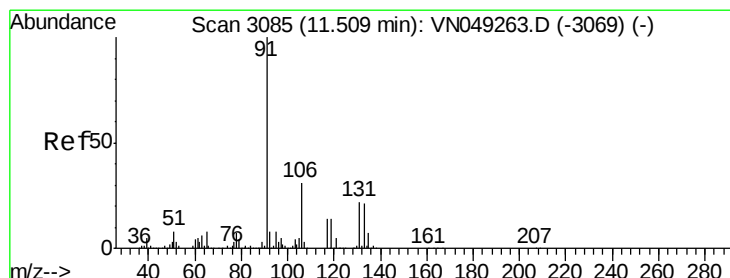
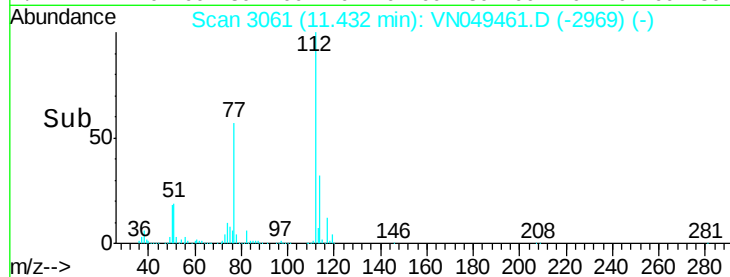
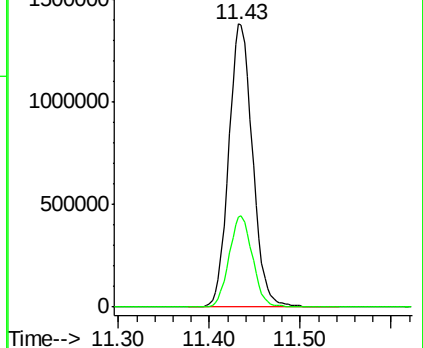
112 100

114 31.9 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: 50.37 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

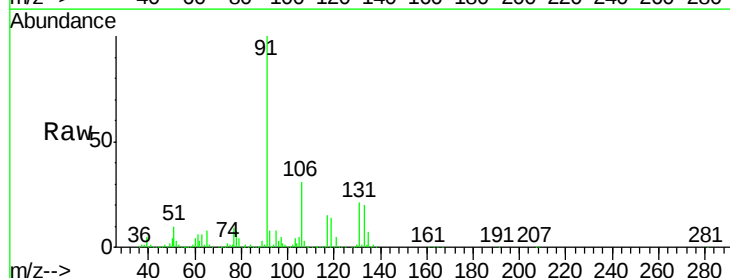
Tgt Ion:131 Resp: 936848

Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

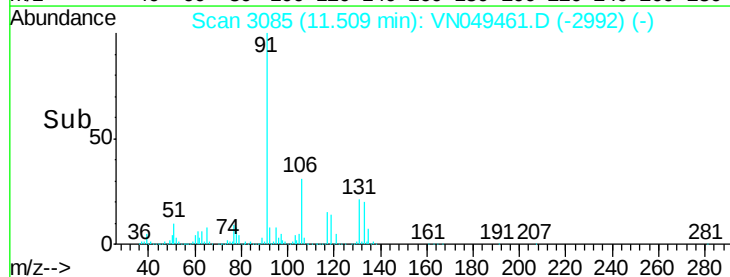
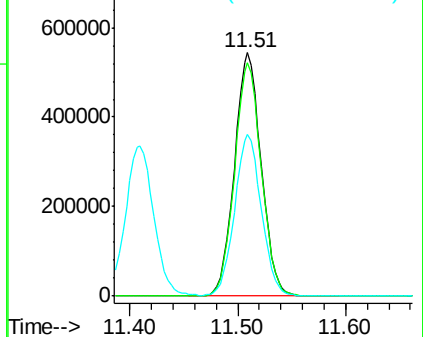
119 66.7 33.6 100.8

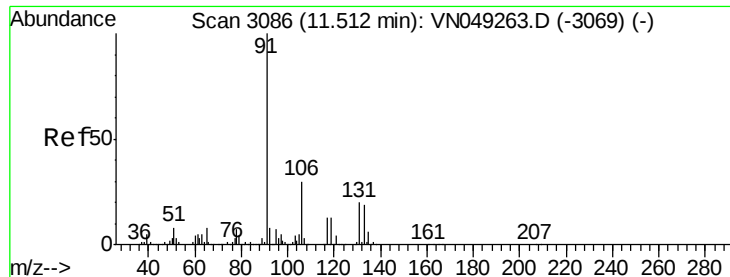


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

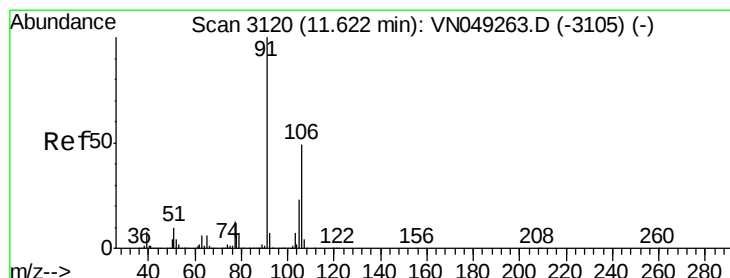
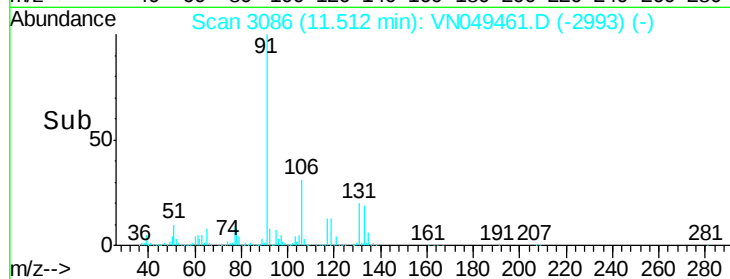
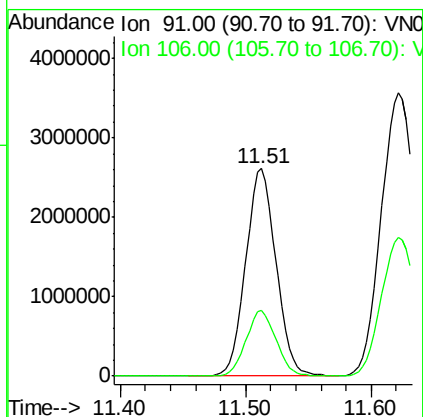
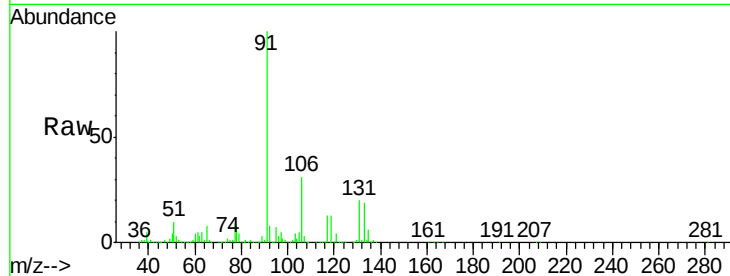




#67
Ethyl Benzene
Concen: 53.74 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

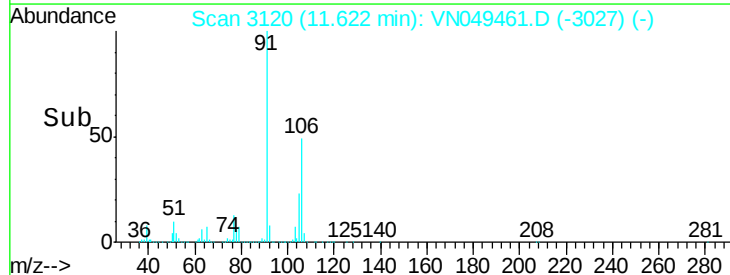
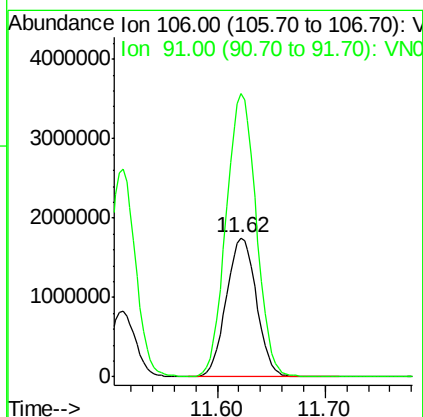
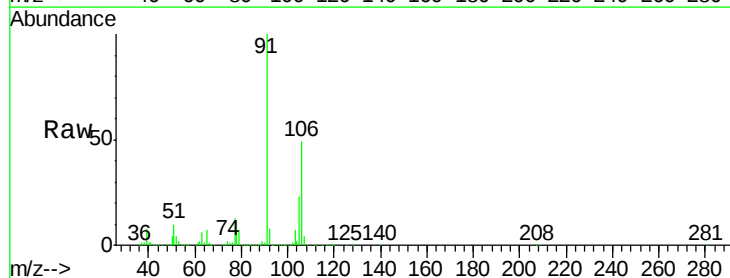
Instrument :
MSVOA_N
ClientSampled :

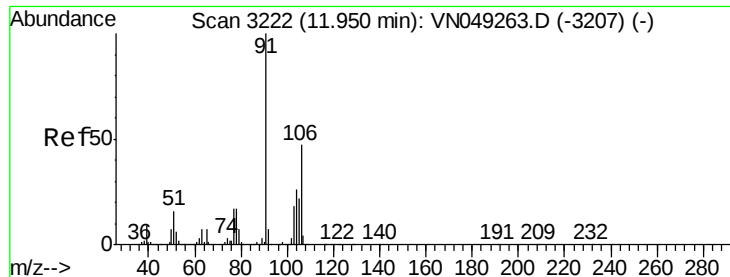
Tot Ion: 91 Resp: 4405306
Ion Ratio Lower Upper
91 100
106 31.4 23.9 35.9



#68
m/p-Xylenes
Concen: 111.05 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 106 Resp: 3416517
Ion Ratio Lower Upper
106 100
91 203.5 167.3 250.9

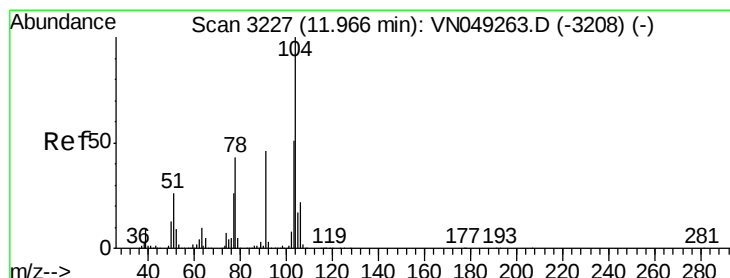
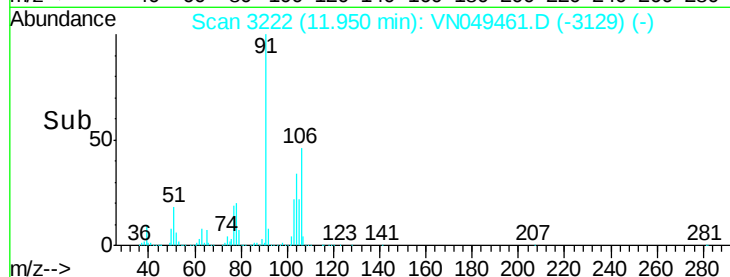
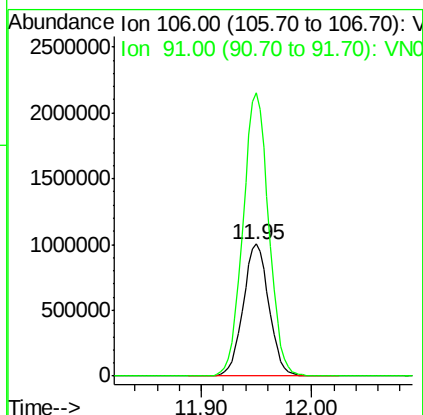
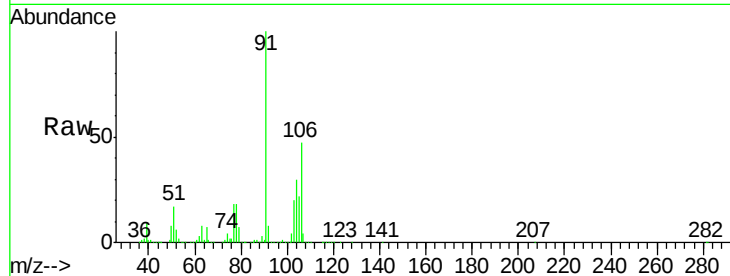




#69
o-Xylene
Concen: 54.67 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

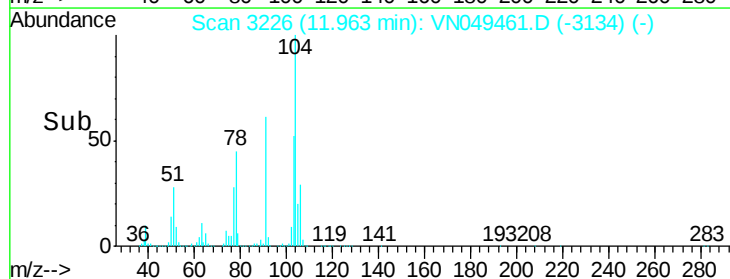
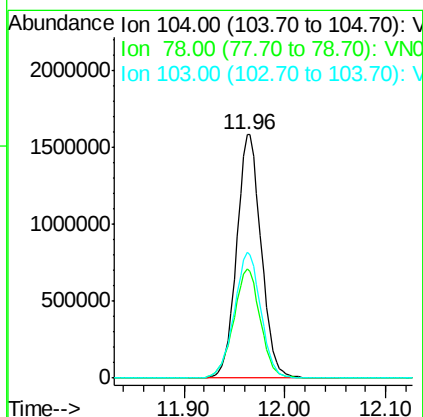
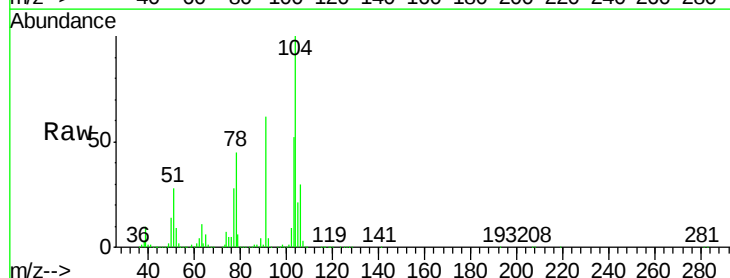
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1620035
Ion Ratio Lower Upper
106 100
91 214.2 111.0 333.0



#70
Styrene
Concen: 56.99 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion:104 Resp: 2664267
Ion Ratio Lower Upper
104 100
78 48.9 41.6 62.4
103 55.9 45.4 68.2





#71

Bromoform

Concen: 52.11 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

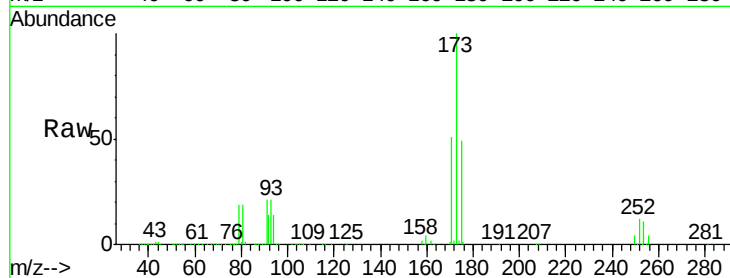
Tot Ion:173 Resp: 627407

Ion Ratio Lower Upper

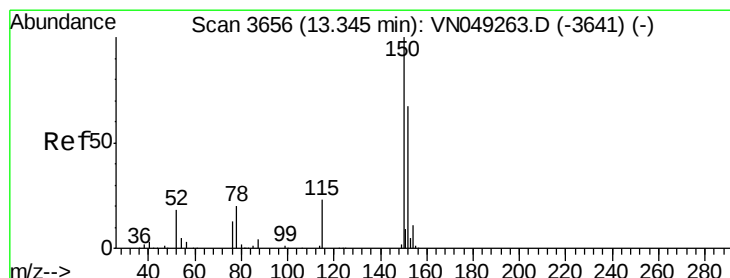
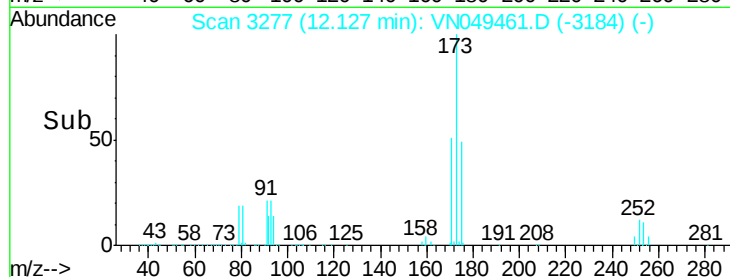
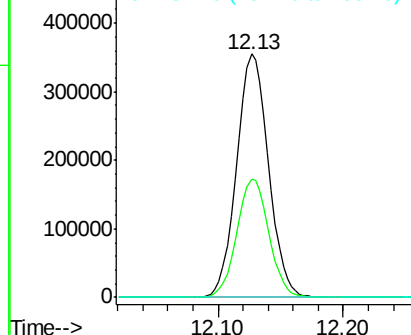
173 100

175 48.8 24.5 73.5

254 0.1 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: VN049461.D

Acq: 21 Jun 2018 11:26

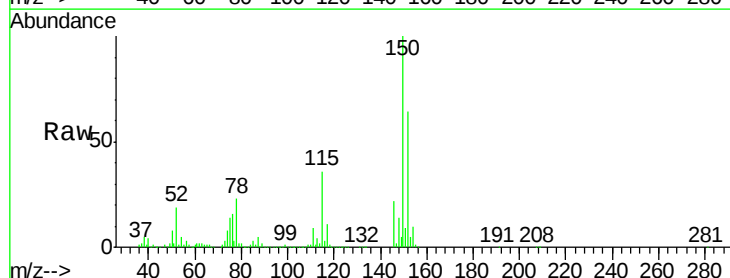
Tgt Ion:152 Resp: 1001663

Ion Ratio Lower Upper

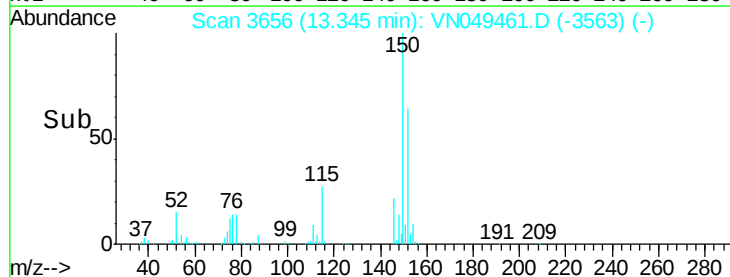
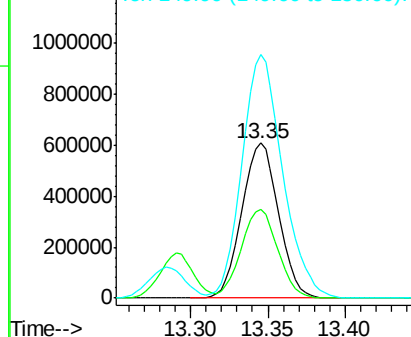
152 100

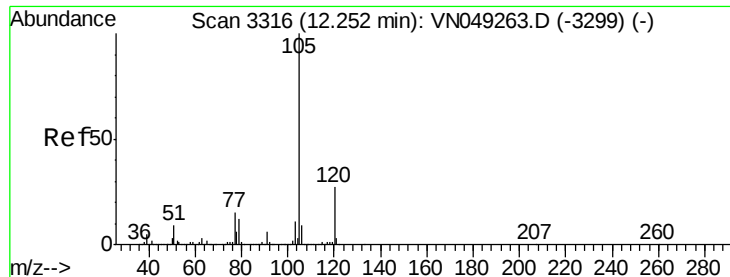
115 57.2 28.7 86.1

150 174.4 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: 49.55 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

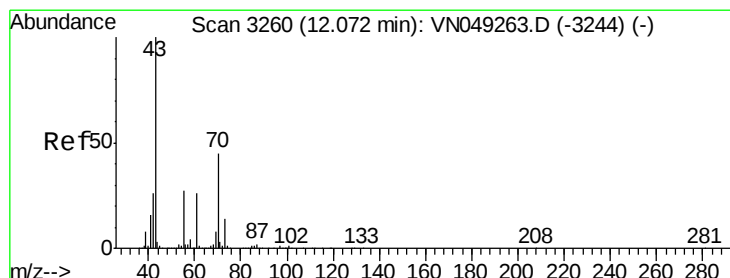
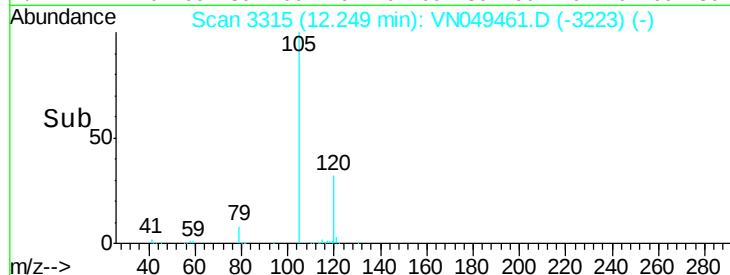
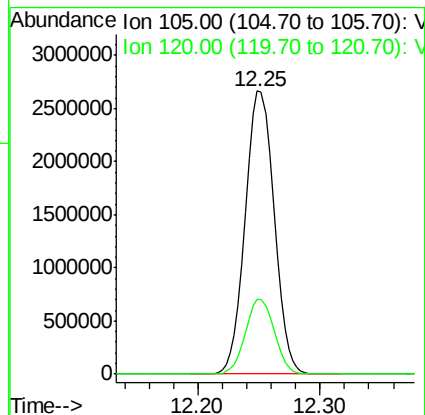
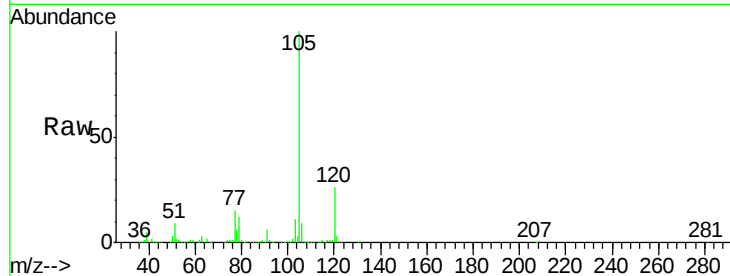
ClientSampleId :

Tot Ion:105 Resp: 4357561

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.3



#74

N-ethyl acetate

Concen: 47.63 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion: 43 Resp: 1025937

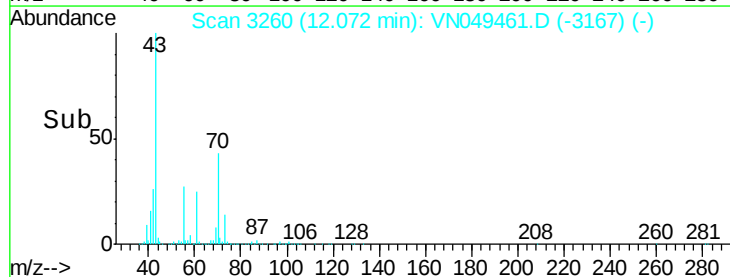
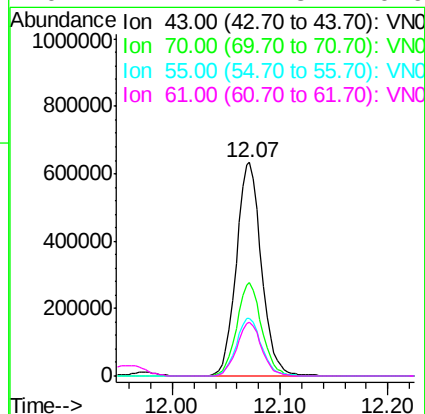
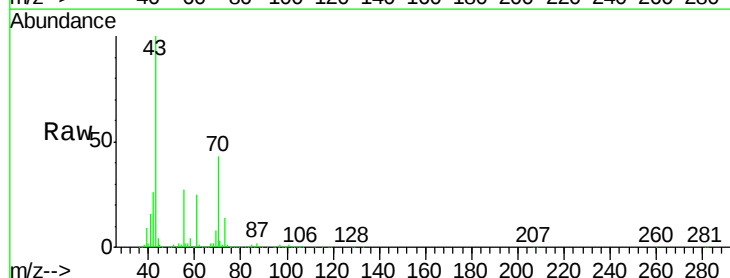
Ion Ratio Lower Upper

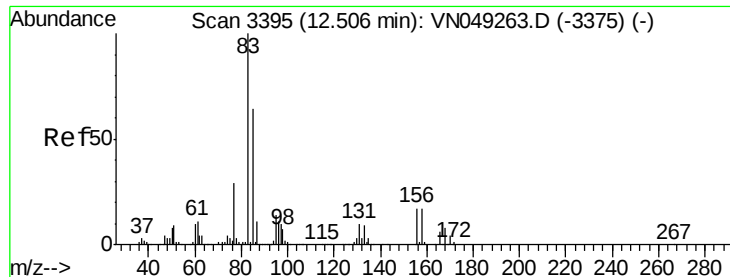
43 100

70 43.5 30.3 45.5

55 27.3 19.4 29.2

61 24.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.55 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

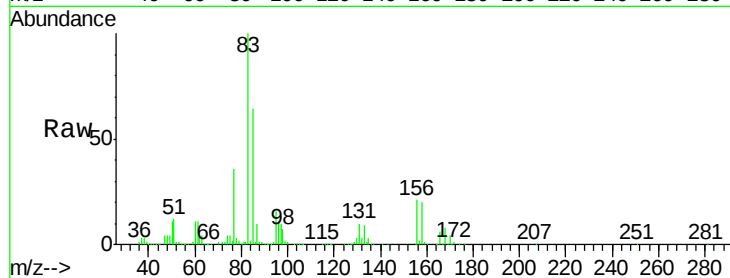
Tot Ion: 83 Resp: 879563

Ion Ratio Lower Upper

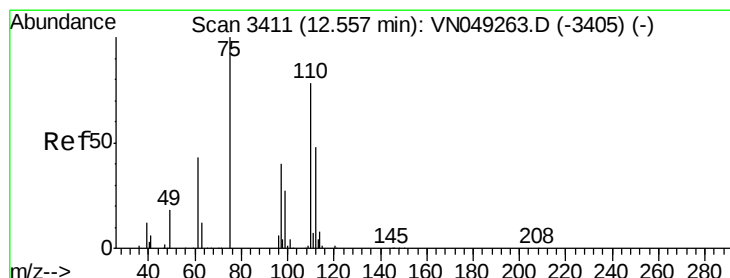
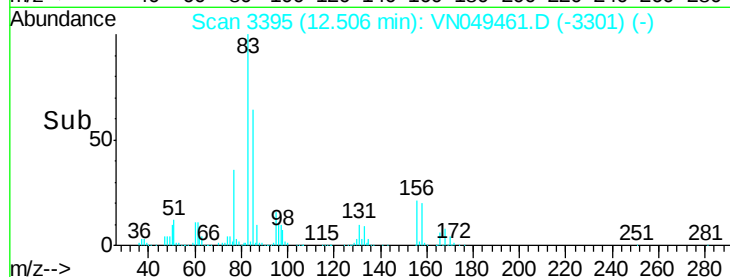
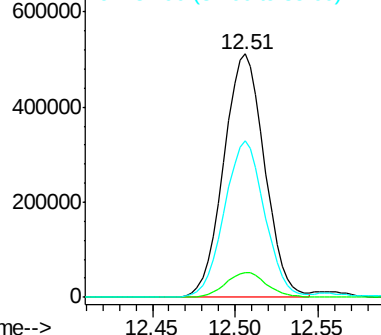
83 100

131 10.5 5.0 15.0

85 63.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 69.25 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049461.D

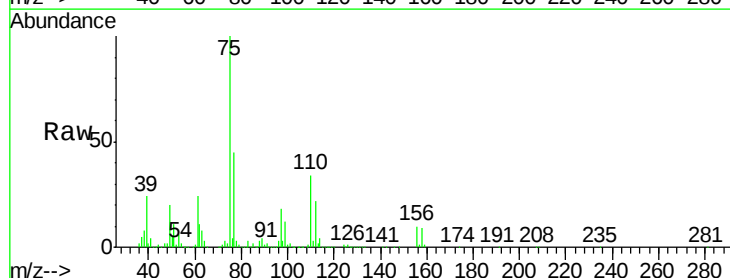
Acq: 21 Jun 2018 11:26

Tgt Ion: 75 Resp: 1183562

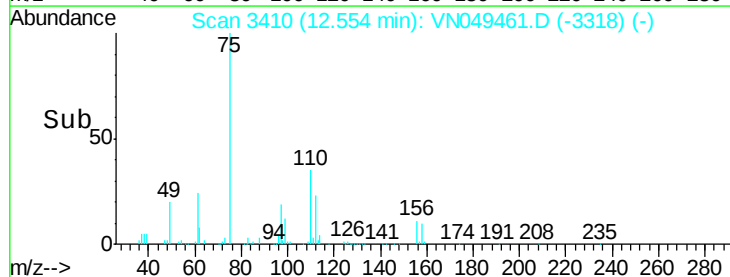
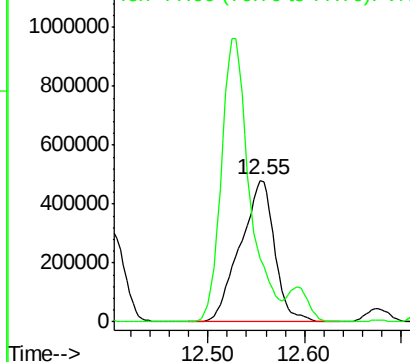
Ion Ratio Lower Upper

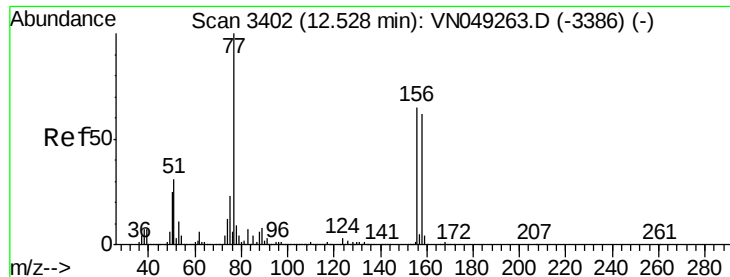
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.39 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

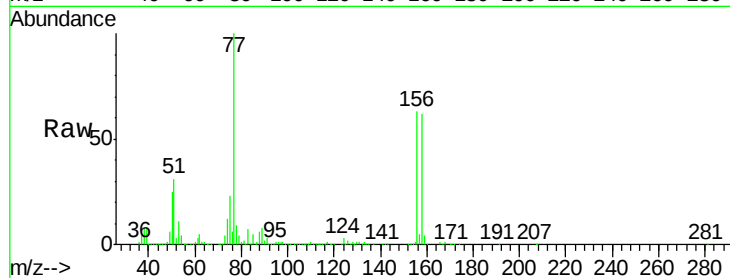
Tot Ion:156 Resp: 1077577

Ion Ratio Lower Upper

156 100

77 182.1 100.8 302.4

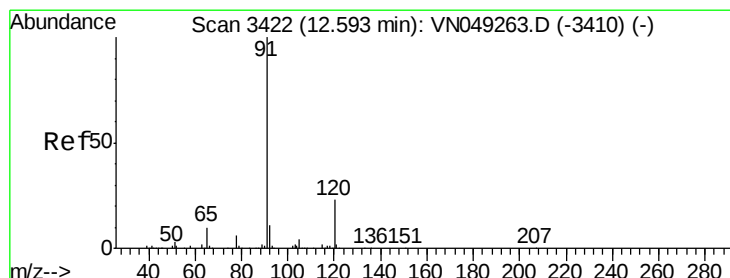
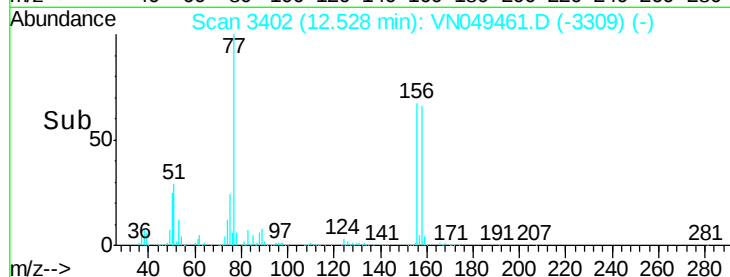
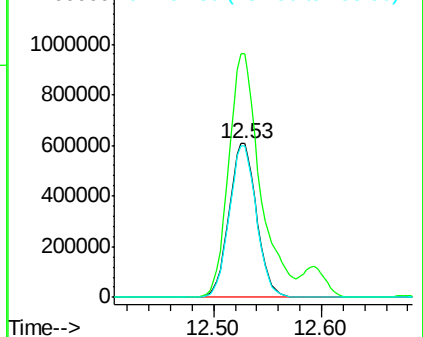
158 97.1 49.3 147.9



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: 52.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049461.D

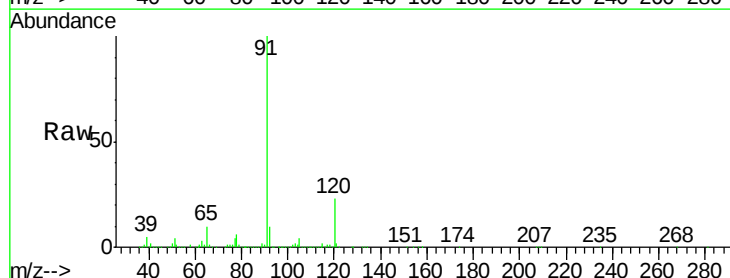
Acq: 21 Jun 2018 11:26

Tgt Ion: 91 Resp: 5046095

Ion Ratio Lower Upper

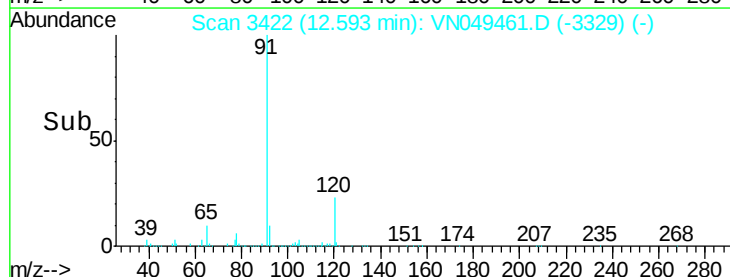
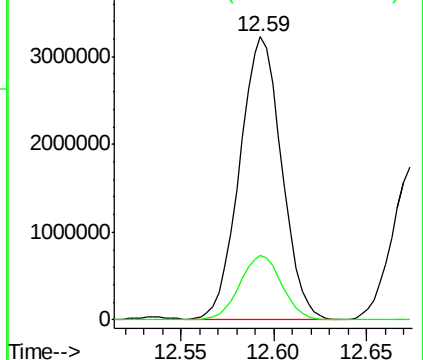
91 100

120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.70 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

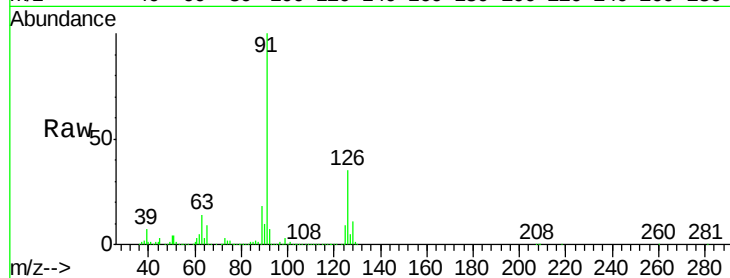
ClientSampleId :

Tot Ion: 91 Resp: 2979607

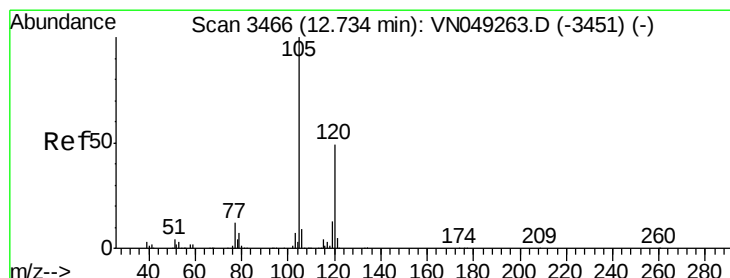
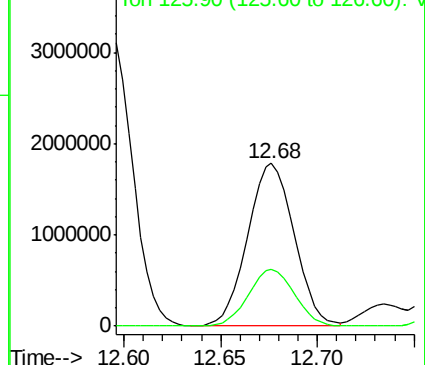
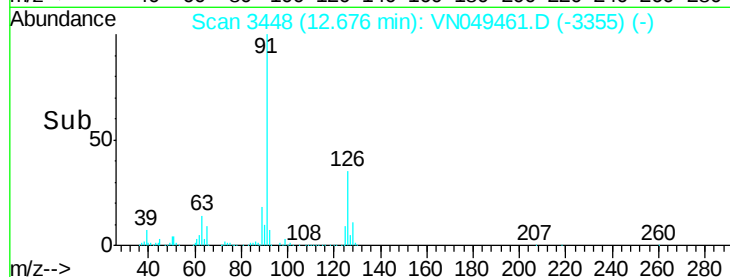
Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049461.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.11 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049461.D

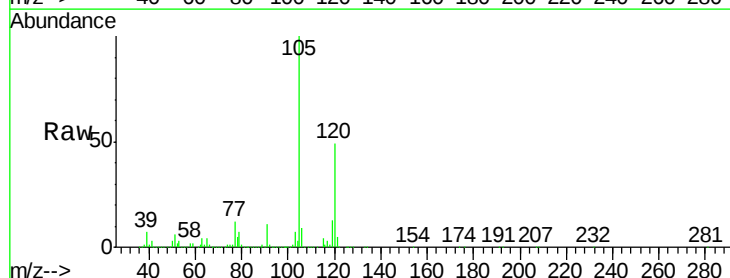
Acq: 21 Jun 2018 11:26

Tgt Ion:105 Resp: 3602565

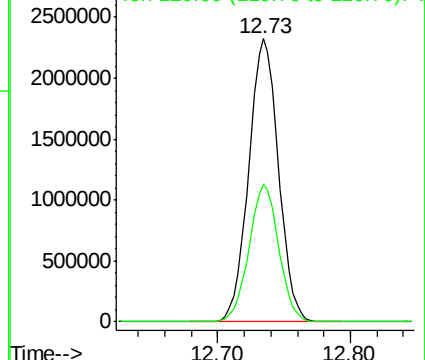
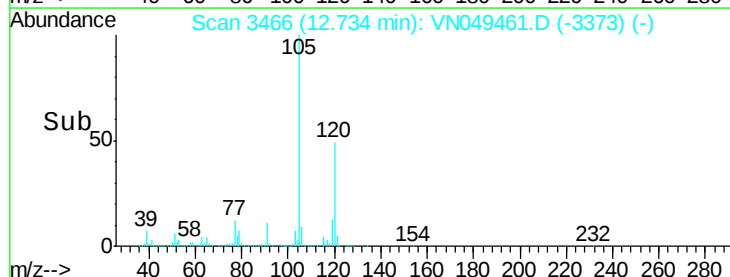
Ion Ratio Lower Upper

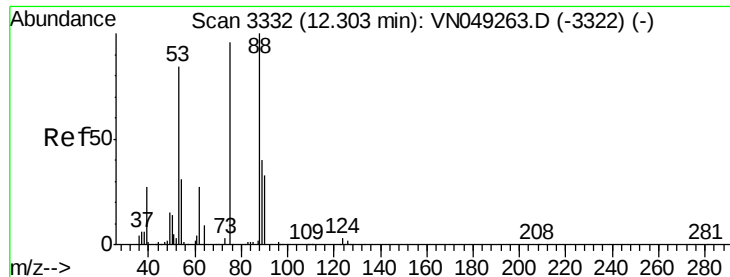
105 100

120 48.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049461.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.01 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

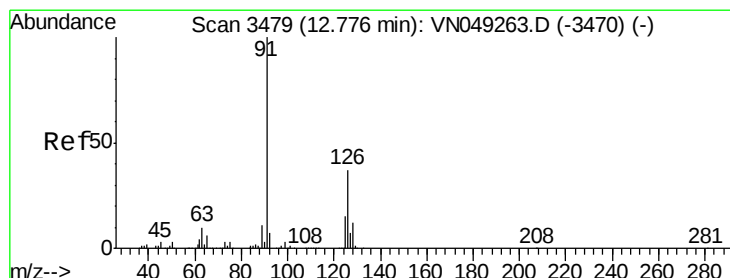
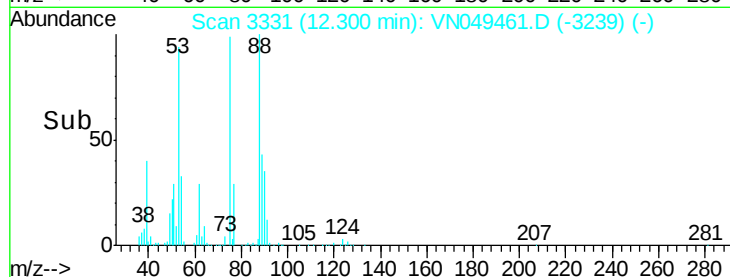
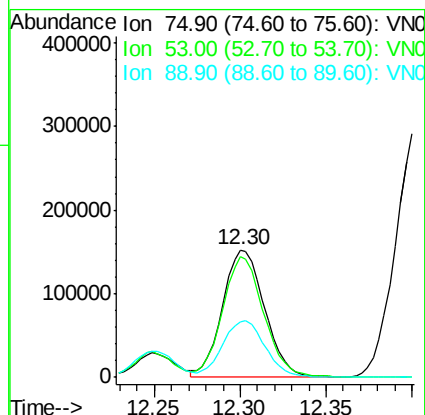
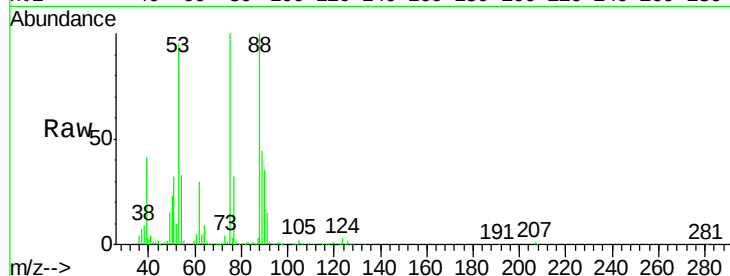
Tot Ion: 75 Resp: 259596

Ion Ratio Lower Upper

75 100

53 93.0 82.7 124.1

89 45.1 36.5 54.7



#82

4-Chlorotoluene

Concen: 50.61 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN049461.D

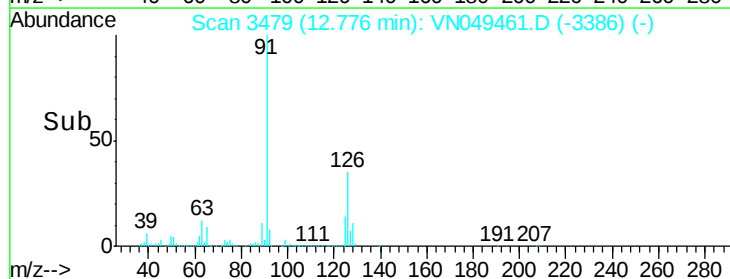
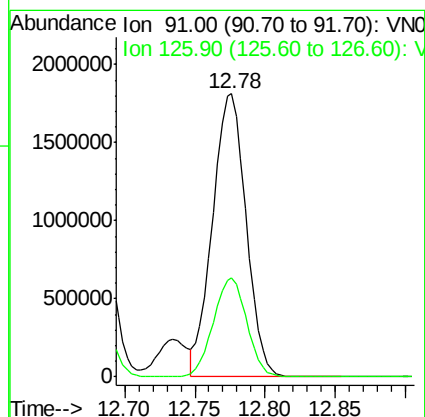
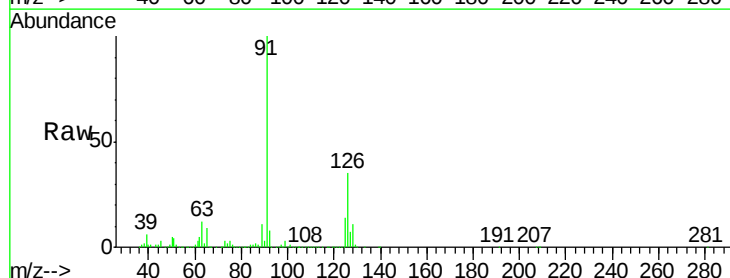
Acq: 21 Jun 2018 11:26

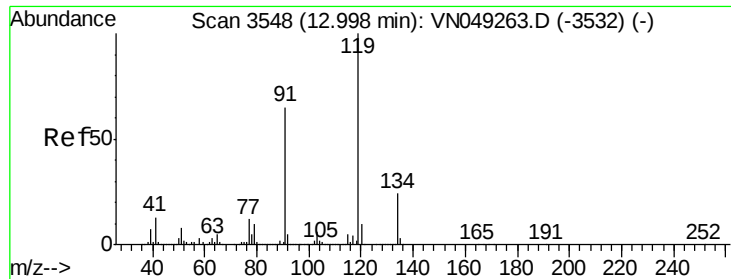
Tgt Ion: 91 Resp: 2987370

Ion Ratio Lower Upper

91 100

126 34.8 16.4 49.1





#83

tert-Butylbenzene

Concen: 48.88 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

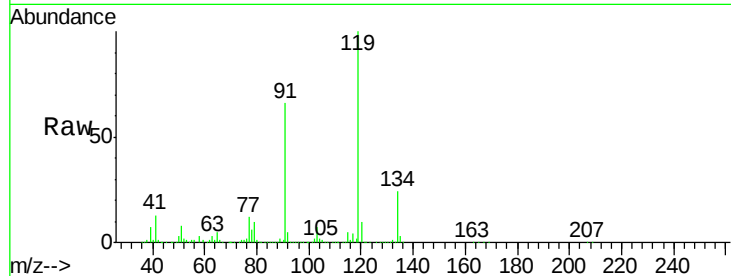
Tot Ion:119 Resp: 2993736

Ion Ratio Lower Upper

119 100

91 64.8 33.7 101.0

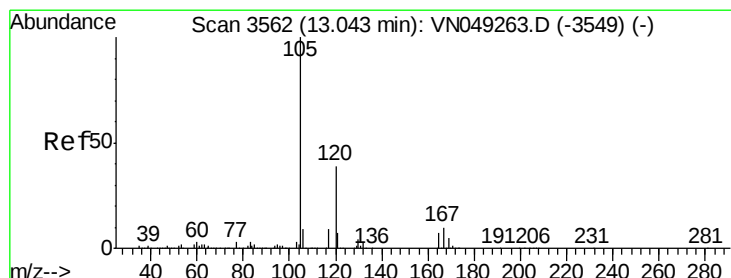
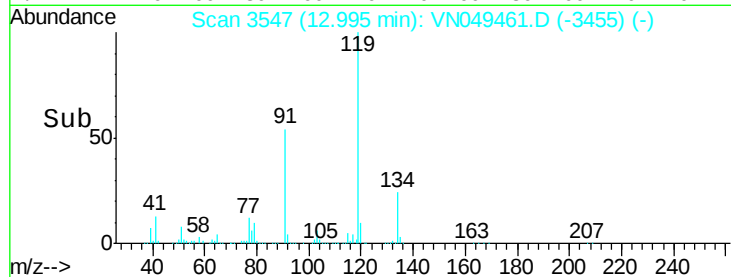
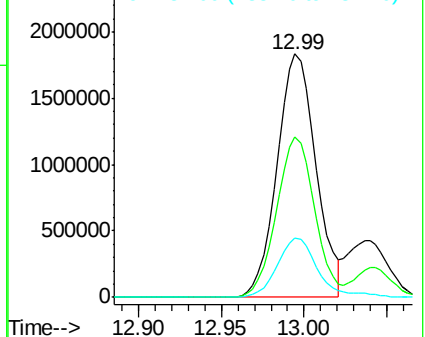
134 25.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.07 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049461.D

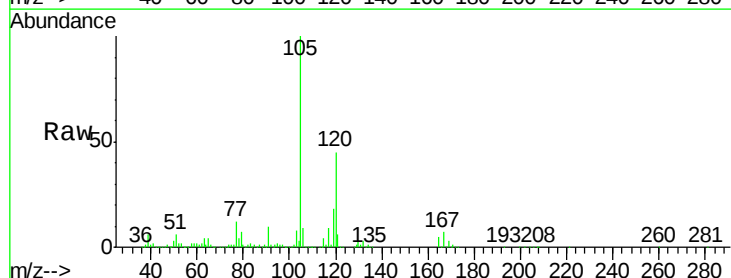
Acq: 21 Jun 2018 11:26

Tgt Ion:105 Resp: 3644371

Ion Ratio Lower Upper

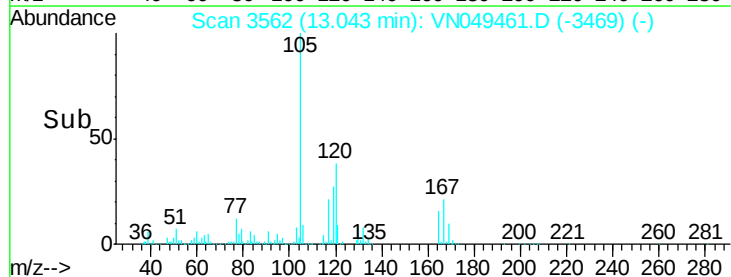
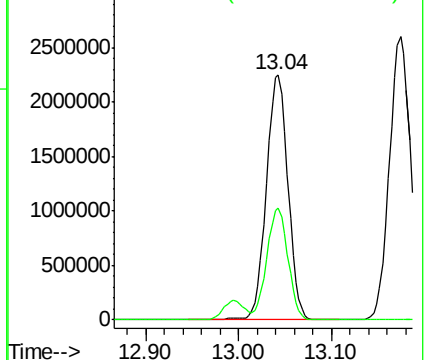
105 100

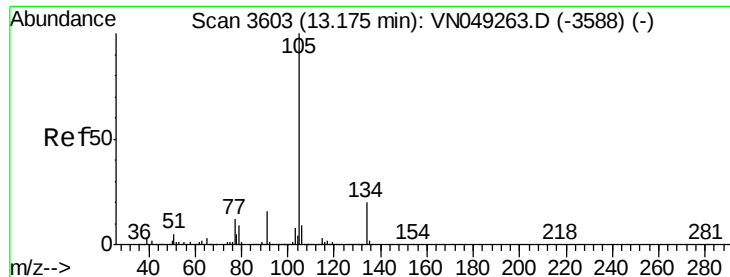
120 44.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.49 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

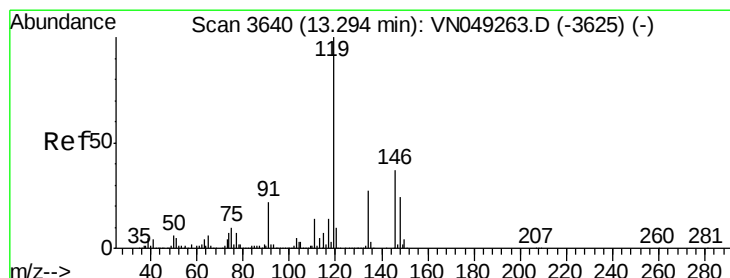
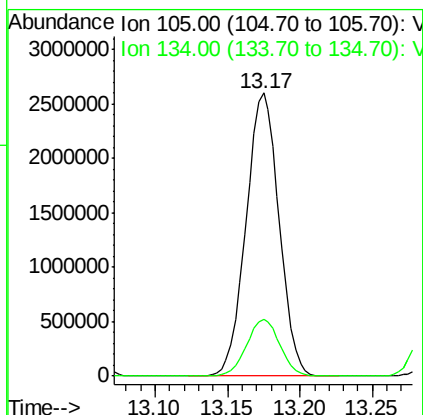
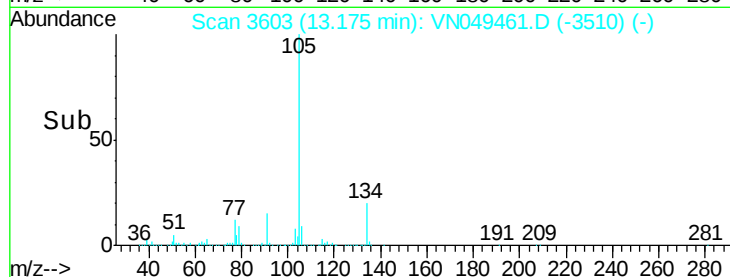
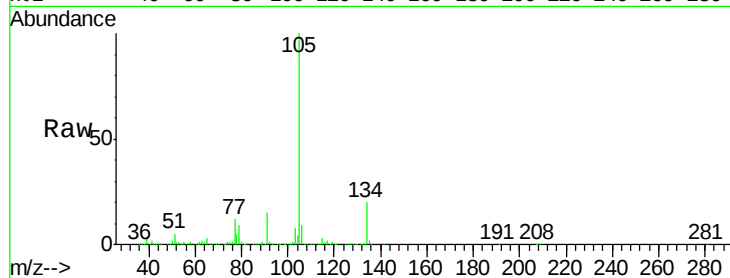
ClientSampleId :

Tot Ion:105 Resp: 4115474

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3



#86

p-Isopropyltoluene

Concen: 52.38 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

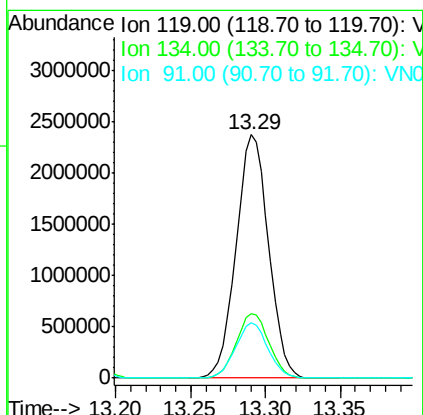
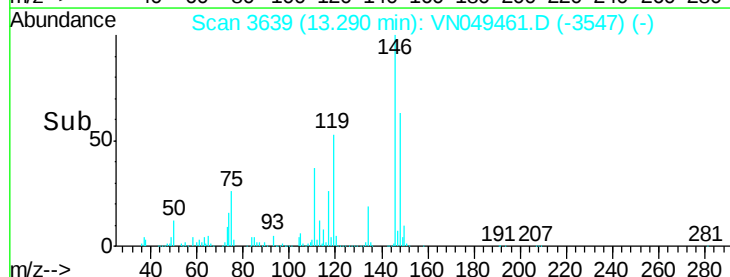
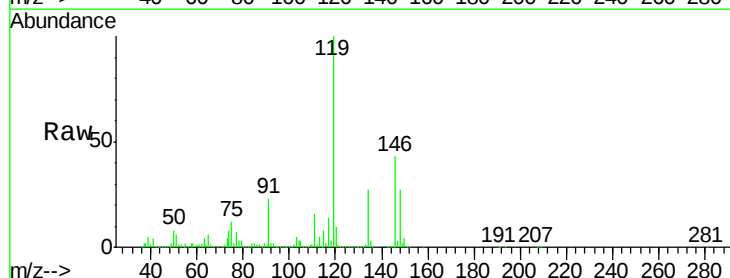
Tgt Ion:119 Resp: 3567496

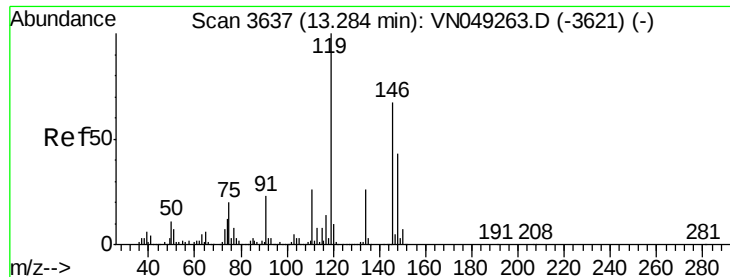
Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 22.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.23 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

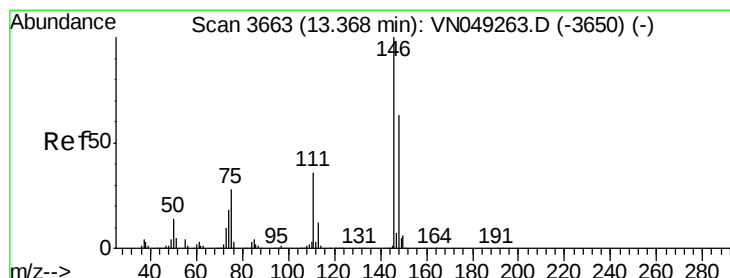
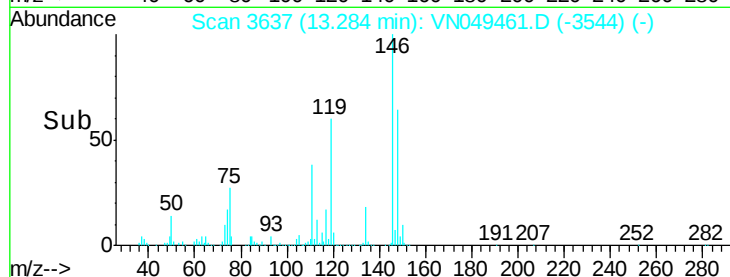
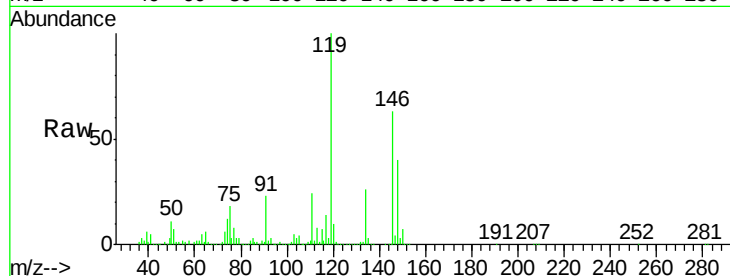
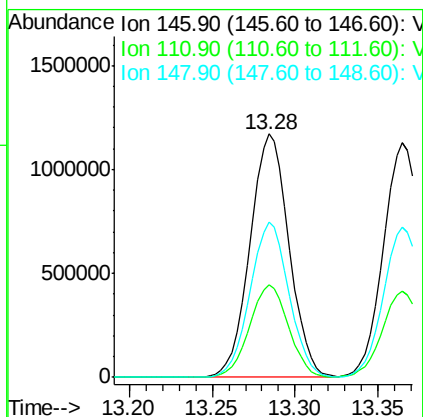
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1919769

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	63.6	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 48.76 ug/l

RT: 13.36 min Scan# 3662

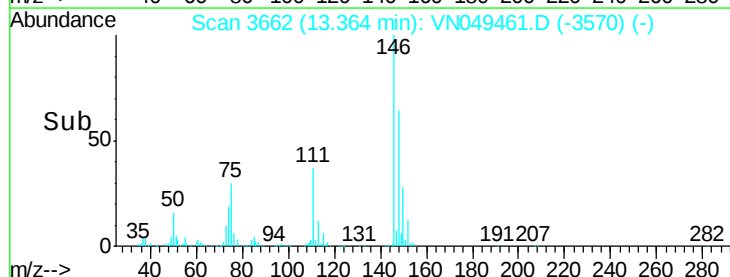
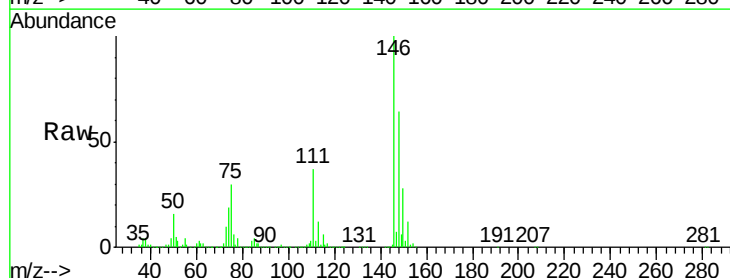
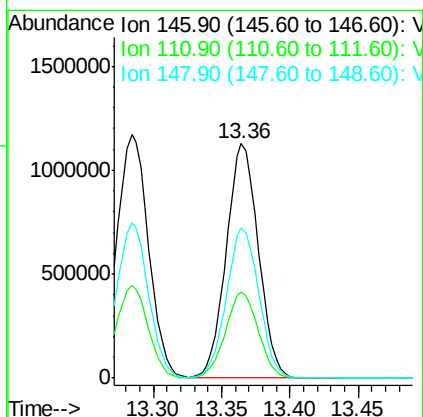
Delta R.T. -0.00 min

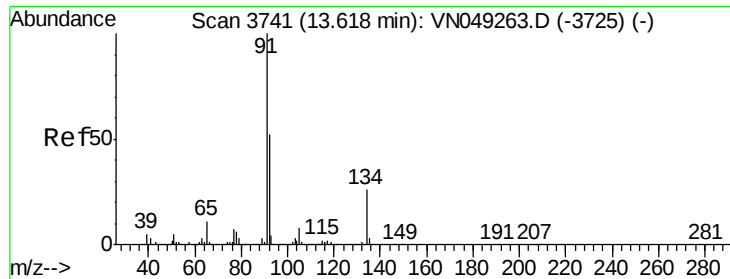
Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion:146 Resp: 1846772

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.7	32.0	96.2

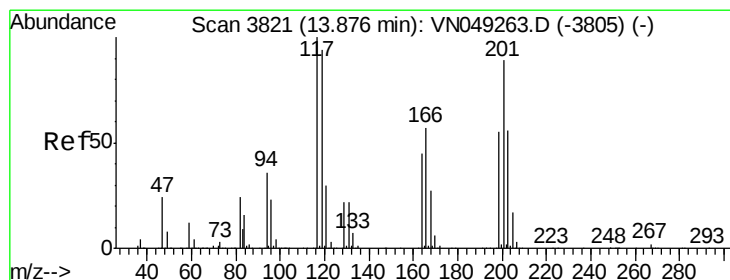
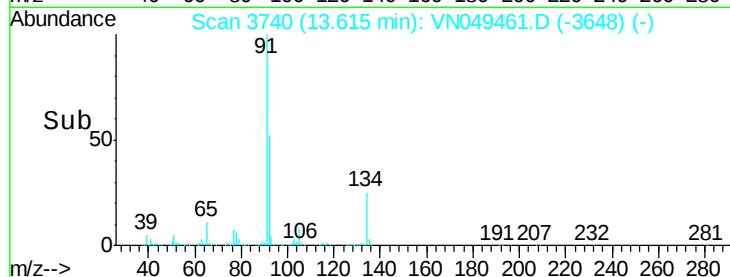
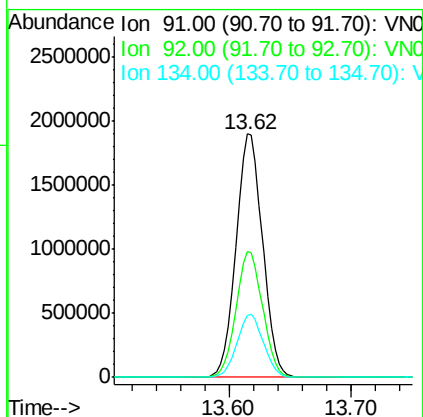
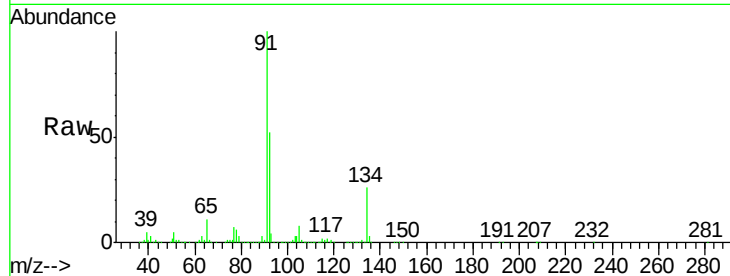




#89
n-Butylbenzene
Concen: 53.73 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

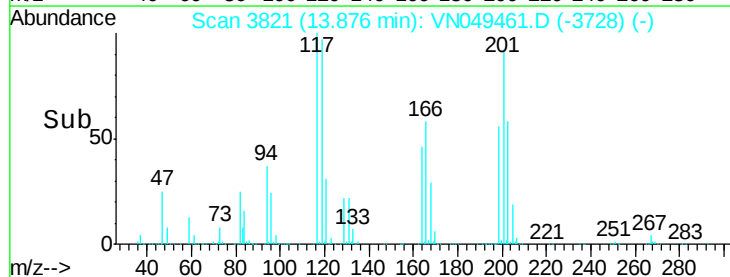
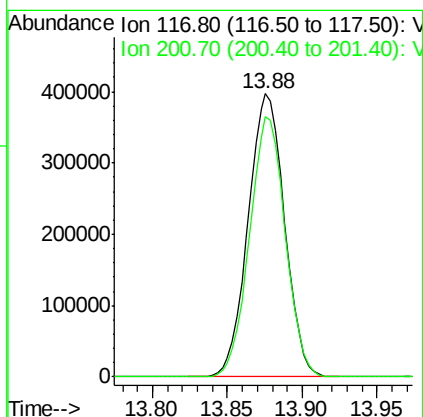
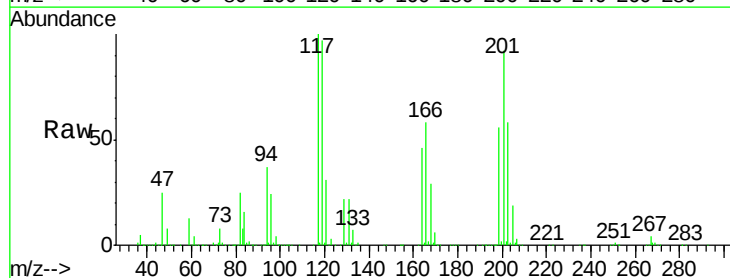
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 2858297
Ion Ratio Lower Upper
91 100
92 51.6 25.1 75.4
134 25.7 12.0 36.0



#90
Hexachloroethane
Concen: 52.16 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049461.D
Acq: 21 Jun 2018 11:26

Tgt Ion: 117 Resp: 671352
Ion Ratio Lower Upper
117 100
201 90.2 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 49.19 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

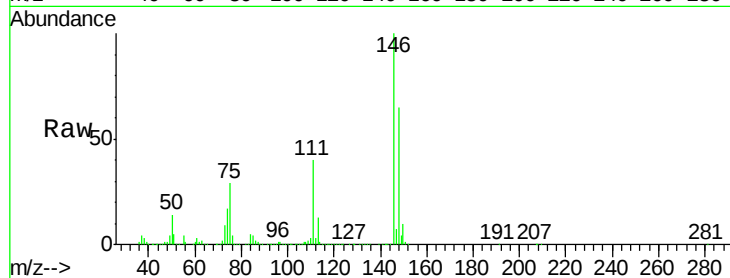
Tot Ion:146 Resp: 1843734

Ion Ratio Lower Upper

146 100

111 39.6 20.8 62.2

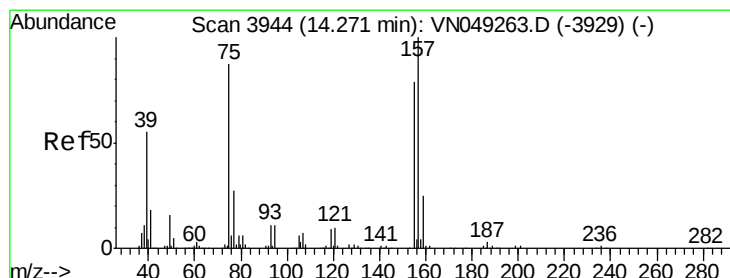
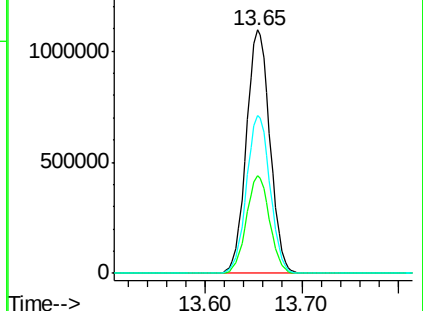
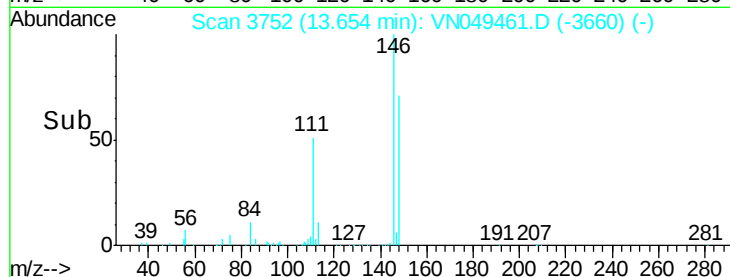
148 64.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.37 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

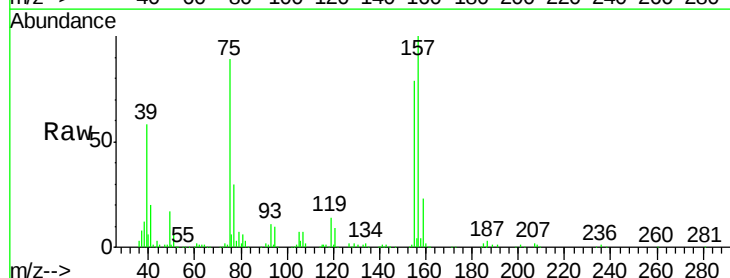
Tgt Ion: 75 Resp: 132784

Ion Ratio Lower Upper

75 100

155 89.1 38.8 116.3

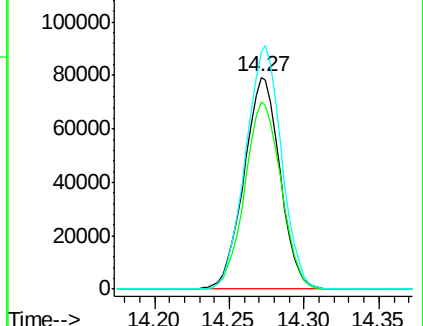
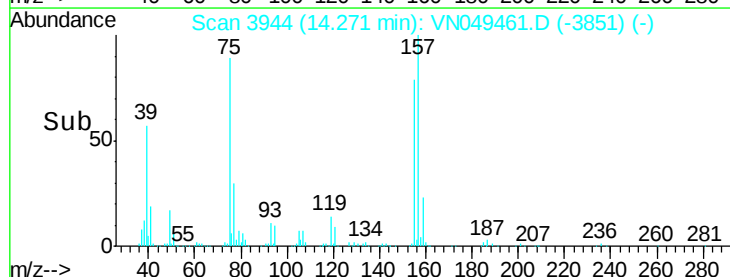
157 114.7 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

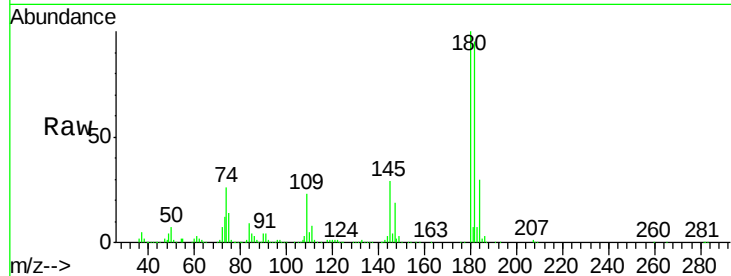




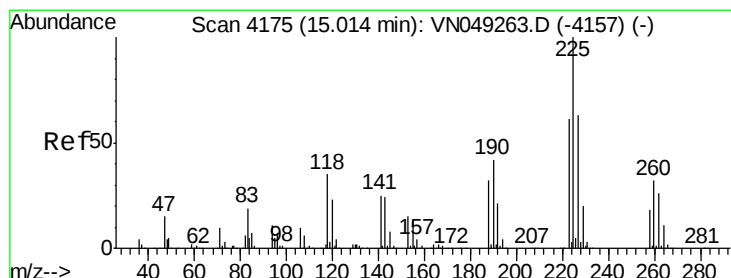
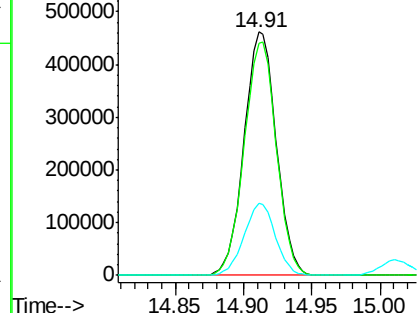
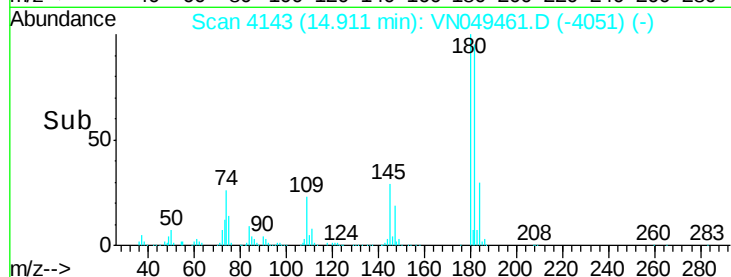
#93
 1,2,4-Trichlorobenzene
 Concen: 44.56 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.8
145	28.9	14.7	44.1

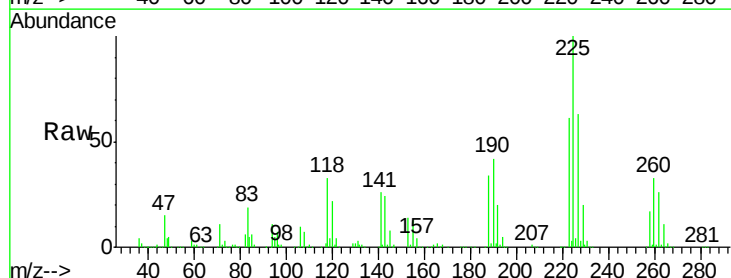


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

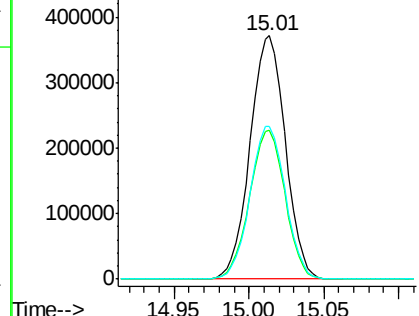
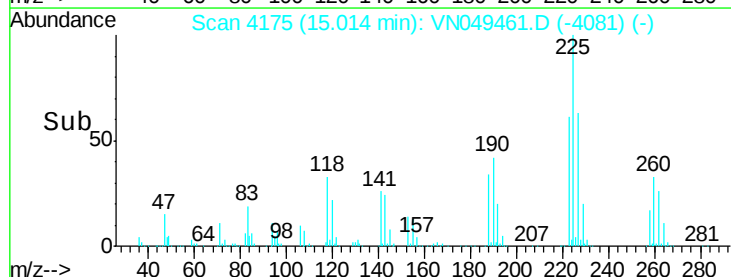


#94
 Hexachlorobutadiene
 Concen: 55.95 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049461.D
 Acq: 21 Jun 2018 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.1	96.3
227	62.9	31.8	95.3



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





#95

Naphthalene

Concen: 45.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

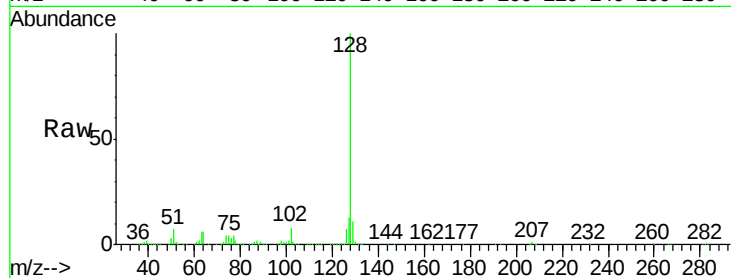
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1366147

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.5	12.7

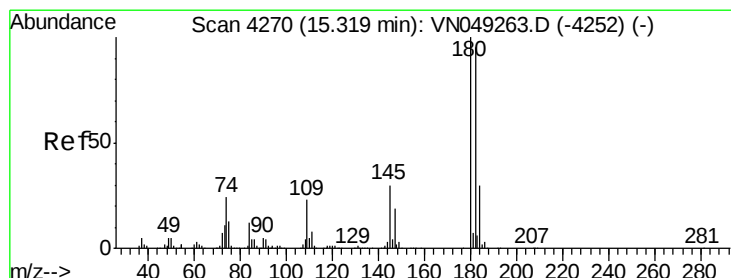
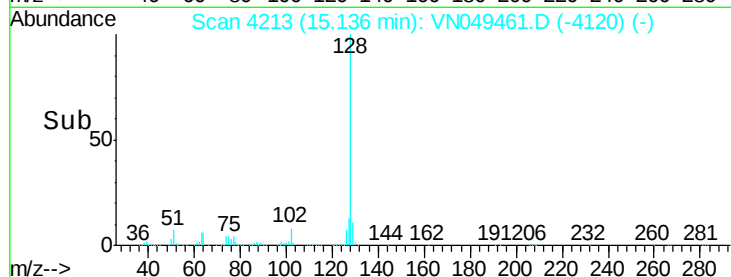
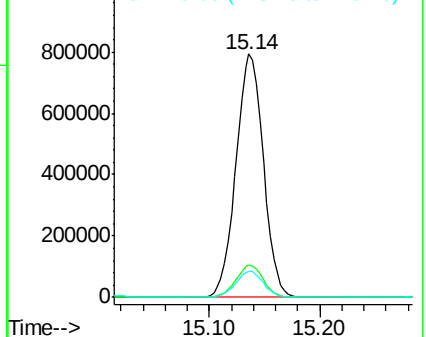


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.85 ug/l

RT: 15.32 min Scan# 4269

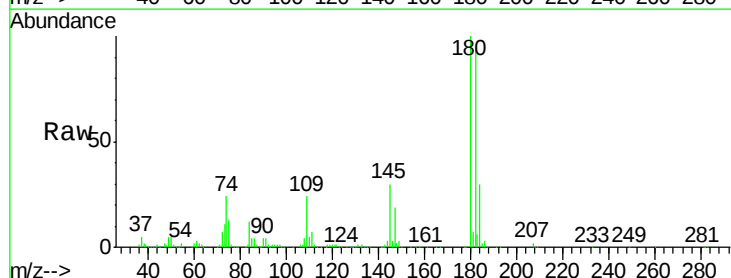
Delta R.T. -0.00 min

Lab File: VN049461.D

Acq: 21 Jun 2018 11:26

Tgt Ion:180 Resp: 764880

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	30.6	15.6	46.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

