

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049312.D
 Acq On : 16 Jun 2018 16:22
 Operator : MD\SY
 Sample : VN0616WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:18:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1443221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2116570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1923205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	910980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	937623	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	7.59	113	831566	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.09	98	3133100	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	1015867	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	300910	18.11	ug/l	99
3) Chloromethane	2.06	50	364306	16.98	ug/l	96
4) Vinyl Chloride	2.18	62	406833	17.85	ug/l	98
5) Bromomethane	2.57	94	184885	15.43	ug/l	99
6) Chloroethane	2.71	64	260756	19.18	ug/l	98
7) Trichlorofluoromethane	3.02	101	540091	18.99	ug/l	99
8) Diethyl Ether	3.41	74	193043	19.44	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	340233	18.86	ug/l	92
10) Methyl Iodide	3.95	142	326735	17.40	ug/l	92
11) Tert butyl alcohol	4.80	59	103665	92.27	ug/l	99
12) 1,1-Dichloroethene	3.73	96	305690	18.47	ug/l	92
13) Acrolein	3.61	56	95678	81.21	ug/l	98
14) Allyl chloride	4.32	41	494099	18.91	ug/l	91
15) Acrylonitrile	4.99	53	551299	98.13	ug/l	99
16) Acetone	3.82	43	474135	102.01	ug/l	92
17) Carbon Disulfide	4.05	76	885963	17.08	ug/l	99
18) Methyl Acetate	4.33	43	294828	20.80	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	834470	19.78	ug/l	98
20) Methylene Chloride	4.55	84	364756	18.79	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	325657	18.59	ug/l	92
22) Diisopropyl ether	5.96	45	1048338	20.09	ug/l	98
23) Vinyl Acetate	5.90	43	3329459	97.88	ug/l	96
24) 1,1-Dichloroethane	5.85	63	635086	19.02	ug/l	99
25) 2-Butanone	6.84	43	616809	98.84	ug/l	96
26) 2,2-Dichloropropane	6.83	77	524215	19.44	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	380157	19.52	ug/l	91
28) Bromochloromethane	7.20	49	303005	20.47	ug/l	86
29) Tetrahydrofuran	7.22	42	392011	97.58	ug/l	94
30) Chloroform	7.37	83	641168	19.29	ug/l	100
31) Cyclohexane	7.65	56	546838	19.21	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	546318	19.27	ug/l	97
36) 1,1-Dichloropropene	7.79	75	477364	19.68	ug/l	97
37) Ethyl Acetate	6.93	43	274803	20.84	ug/l #	96
38) Carbon Tetrachloride	7.77	117	480772	19.14	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	499356	19.18	ug/l	99
40) Benzene	8.04	78	1437908	19.33	ug/l	99
41) Methacrylonitrile	7.18	41	146628	20.57	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	462659	20.14	ug/l	97
43) Isopropyl Acetate	8.17	43	523917	20.79	ug/l	98
44) Trichloroethene	8.84	130	383660	19.54	ug/l	96
45) 1,2-Dichloropropane	9.12	63	386409	19.84	ug/l	100
46) Dibromomethane	9.21	93	222664	19.72	ug/l	91
47) Bromodichloromethane	9.40	83	497008	20.03	ug/l	96
48) Methyl methacrylate	9.20	41	245000	20.65	ug/l	89
49) 1,4-Dioxane	9.20	88	62190	379.75	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1345995	101.92	ug/l	96
52) Toluene	10.16	92	884660	20.27	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	458872	19.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	544935	19.44	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	319608	19.64	ug/l	98
56) Ethyl methacrylate	10.43	69	367647	19.58	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	537113	19.93	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	543406	90.66	ug/l	95
59) 2-Hexanone	10.75	43	851576	100.02	ug/l	95
60) Dibromochloromethane	10.90	129	358674	19.75	ug/l	98
61) 1,2-Dibromoethane	11.01	107	297621	19.68	ug/l	100
64) Tetrachloroethene	10.63	164	407613	20.68	ug/l	98
65) Chlorobenzene	11.44	112	948207	19.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	357241	19.16	ug/l	99
67) Ethyl Benzene	11.51	91	1614503	19.65	ug/l	98
68) m/p-Xylenes	11.62	106	1239704	40.20	ug/l	97
69) o-Xylene	11.95	106	593233	19.97	ug/l	97
70) Styrene	11.97	104	946960	20.21	ug/l	98
71) Bromoform	12.13	173	233568	19.35	ug/l #	98
73) Isopropylbenzene	12.25	105	1591629	19.90	ug/l	98
74) N-amyl acetate	12.07	43	359557	18.35	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	367982	21.07	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	453214	29.16	ug/l #	100
77) Bromobenzene	12.53	156	400199	18.94	ug/l	91
78) n-propylbenzene	12.59	91	1778637	20.25	ug/l	99
79) 2-Chlorotoluene	12.68	91	1099800	19.76	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1296496	20.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	90197	18.34	ug/l	93
82) 4-Chlorotoluene	12.77	91	1073379	19.99	ug/l	98
83) tert-Butylbenzene	12.99	119	1103043	19.80	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1299003	20.80	ug/l	99
85) sec-Butylbenzene	13.17	105	1469275	19.82	ug/l	98
86) p-Isopropyltoluene	13.29	119	1246201	20.12	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	661044	19.02	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	637178	18.50	ug/l	99
89) n-Butylbenzene	13.62	91	907657	18.76	ug/l	98
90) Hexachloroethane	13.88	117	250693	20.38	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	652457	19.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51975	18.66	ug/l	92

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Quant Title : SW846 8260
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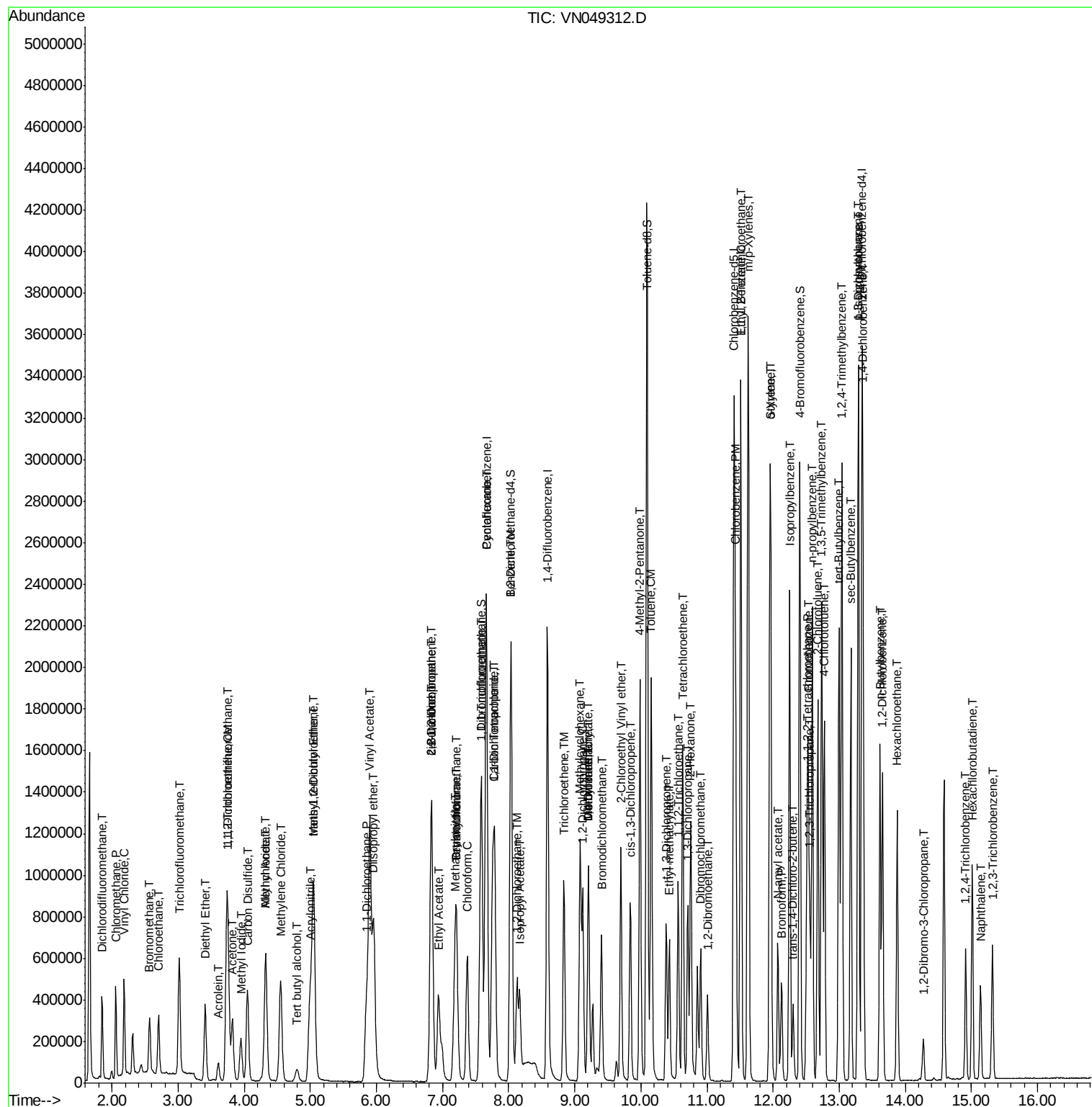
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	210117	16.92	ug/l	98
94) Hexachlorobutadiene	15.01	225	209668	19.36	ug/l	98
95) Naphthalene	15.14	128	404755	17.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	237234	17.92	ug/l	99

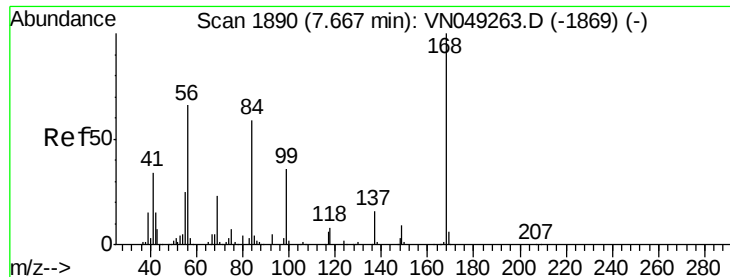
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061618\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

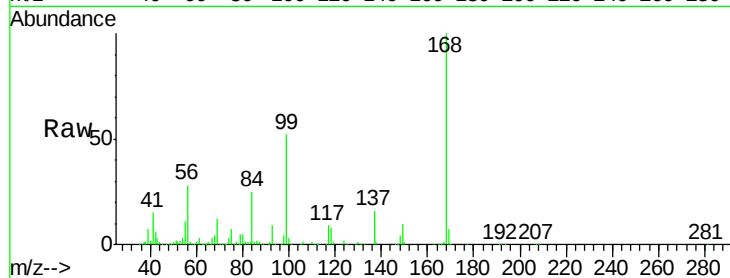
ClientSampleId :

Tot Ion:168 Resp: 1443221

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

600000

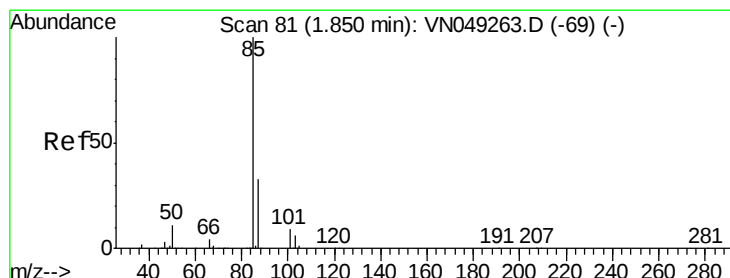
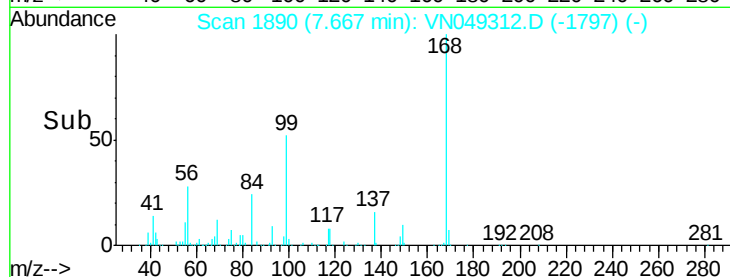
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.11 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049312.D

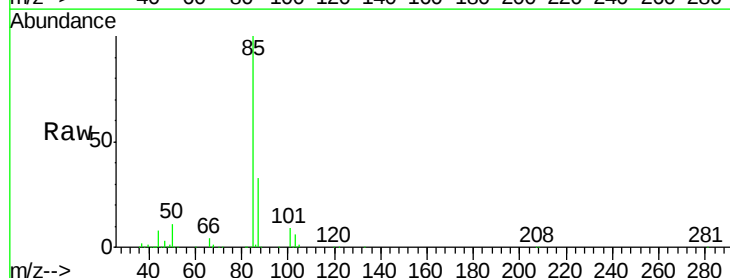
Acq: 16 Jun 2018 16:22

Tgt Ion: 85 Resp: 300910

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

250000

200000

150000

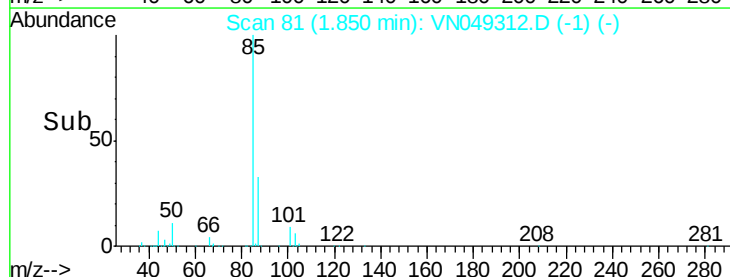
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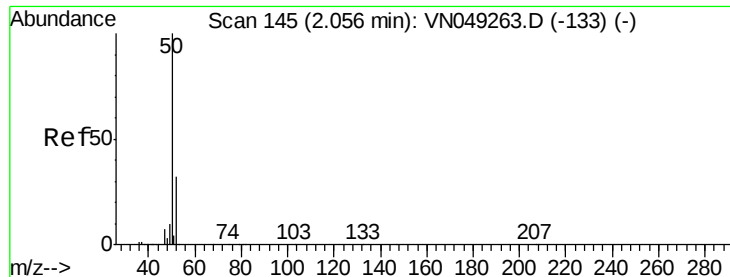
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.98 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

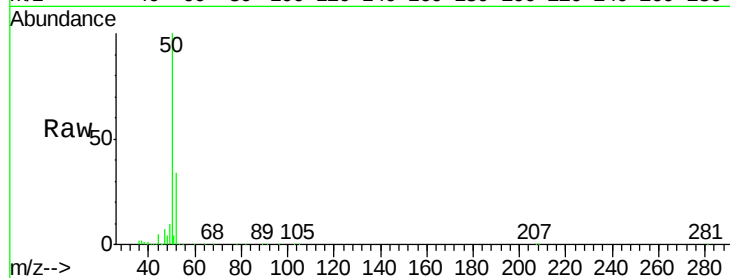
ClientSampleId :

Tot Ion: 50 Resp: 364306

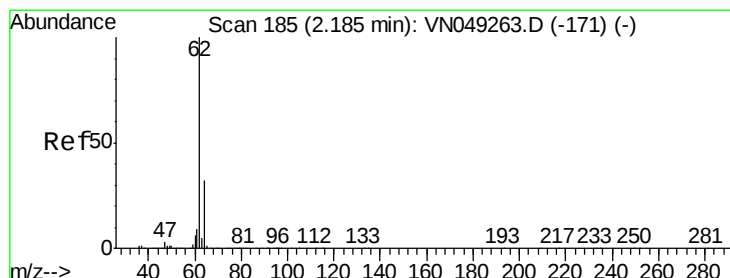
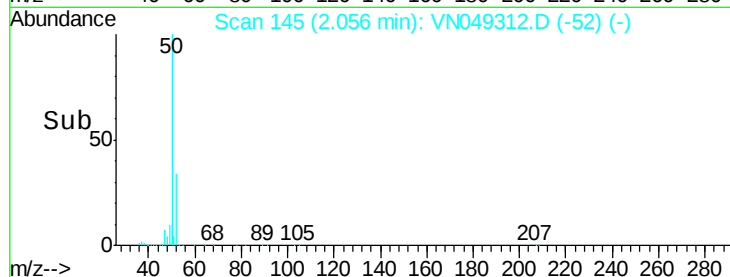
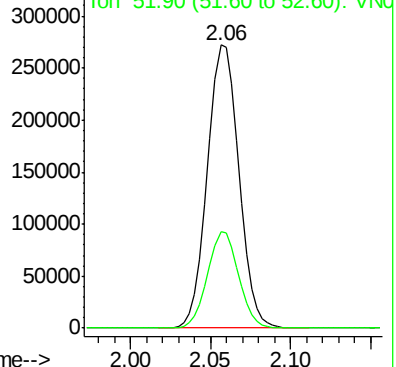
Ion Ratio Lower Upper

50 100

52 33.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049312.D (-52) (-)



#4

Vinyl Chloride

Concen: 17.85 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049312.D

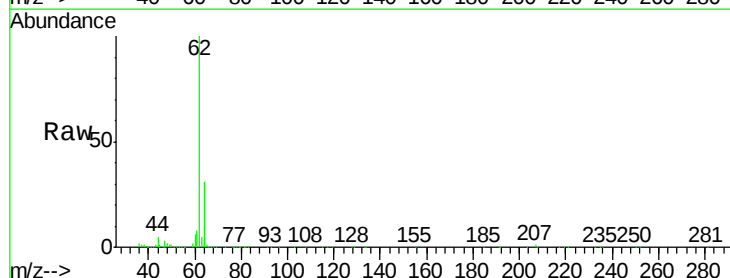
Acq: 16 Jun 2018 16:22

Tgt Ion: 62 Resp: 406833

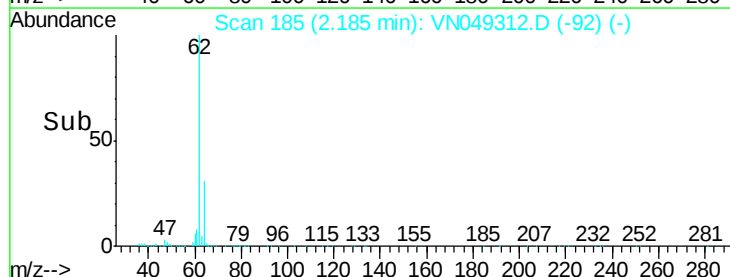
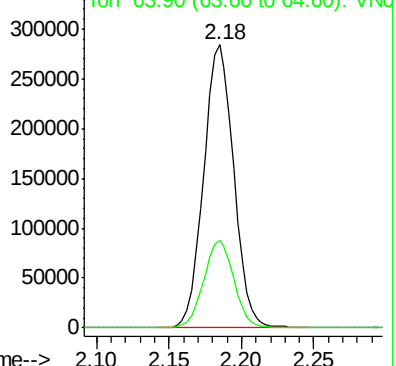
Ion Ratio Lower Upper

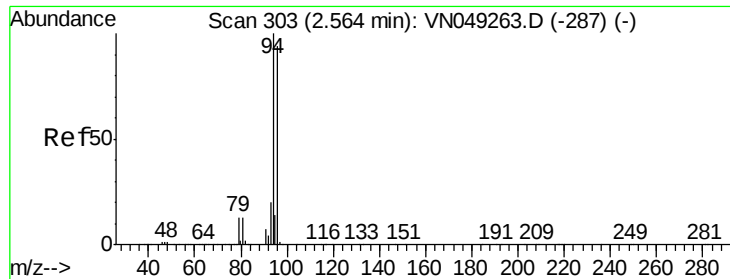
62 100

64 30.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049312.D (-92) (-)





#5

Bromomethane

Concen: 15.43 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

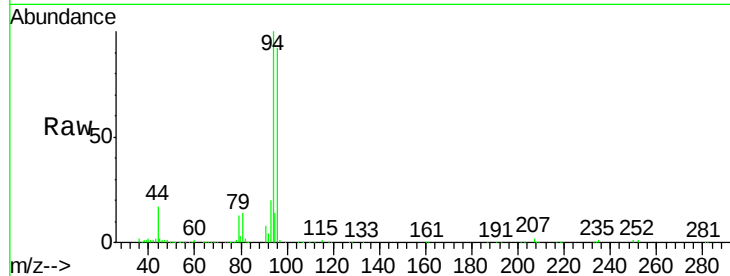
ClientSampled :

Tot Ion: 94 Resp: 184885

Ion Ratio Lower Upper

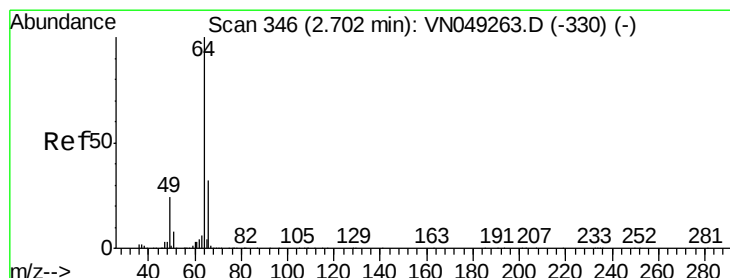
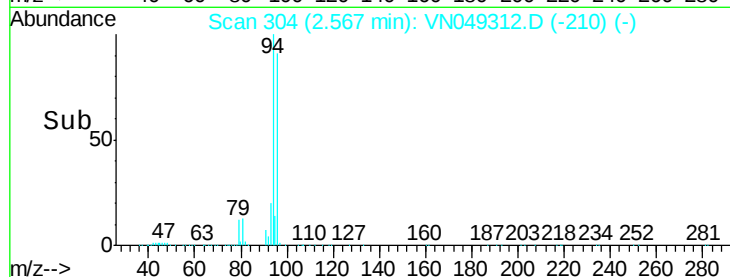
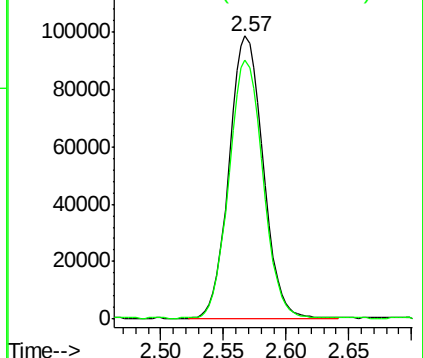
94 100

96 91.6 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.18 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049312.D

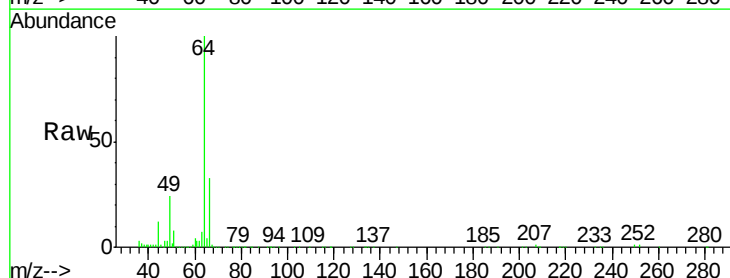
Acq: 16 Jun 2018 16:22

Tgt Ion: 64 Resp: 260756

Ion Ratio Lower Upper

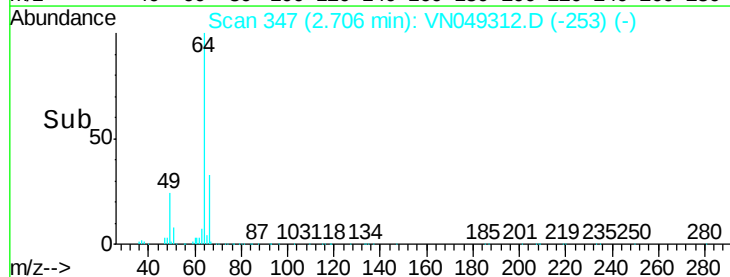
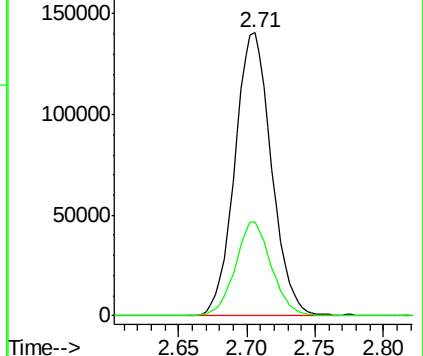
64 100

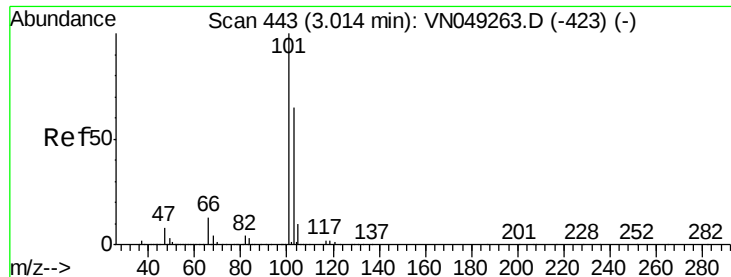
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



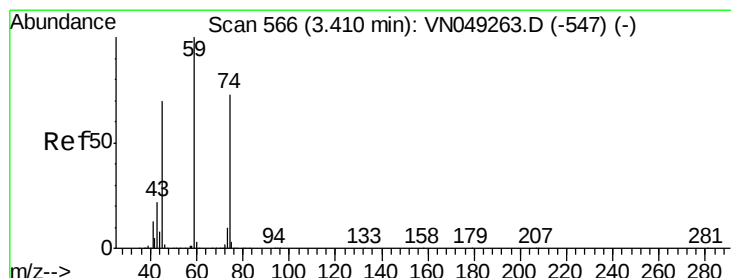
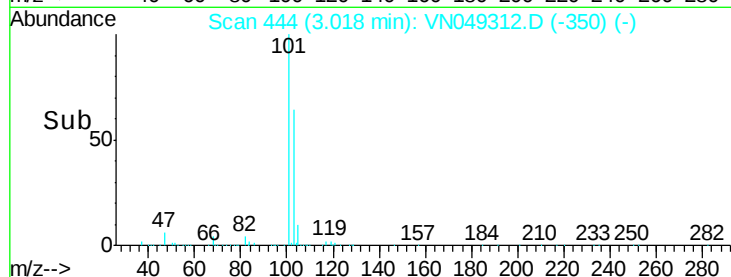
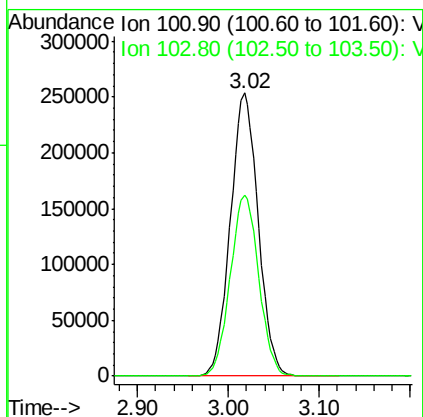
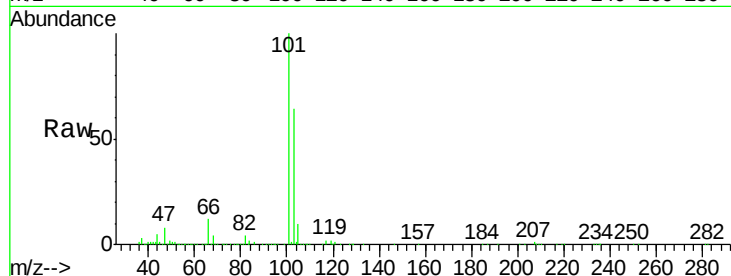


#7

Trichlorofluoromethane
Concen: 18.99 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampled :

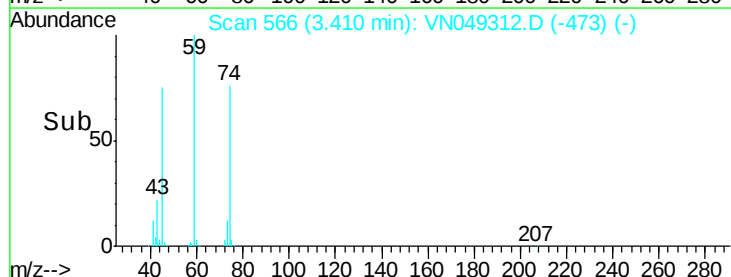
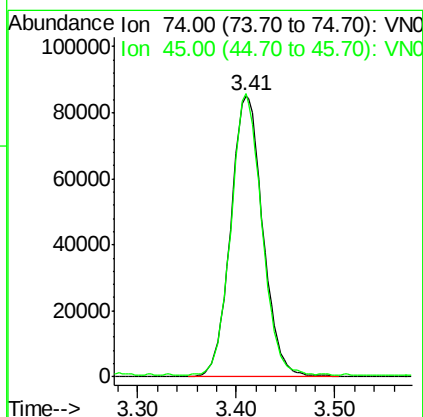
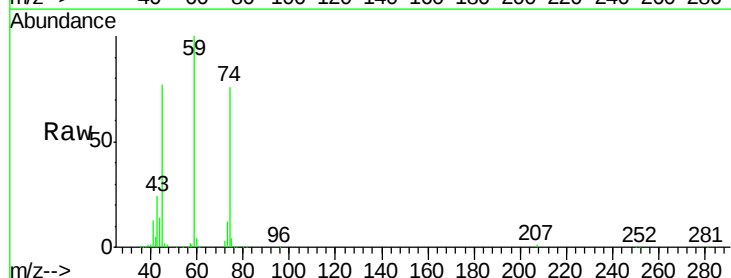
Tot Ion:101 Resp: 540091
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5

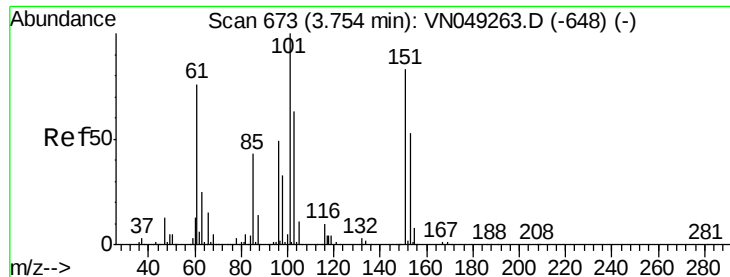


#8

Diethyl Ether
Concen: 19.44 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 74 Resp: 193043
Ion Ratio Lower Upper
74 100
45 95.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.86 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

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ClientSampleId :

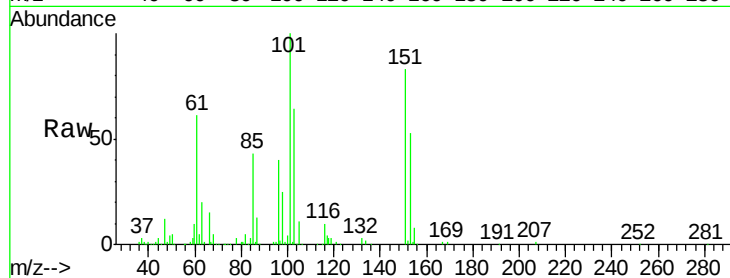
Tot Ion:101 Resp: 340233

Ion Ratio Lower Upper

101 100

85 43.1 37.6 56.4

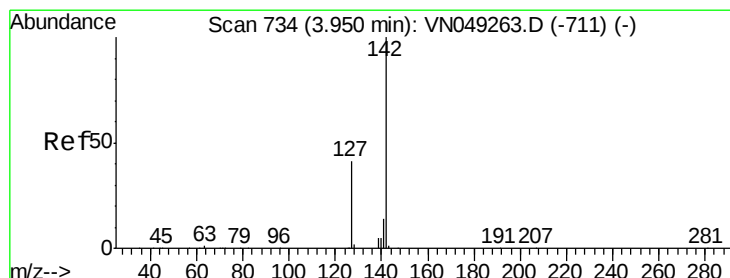
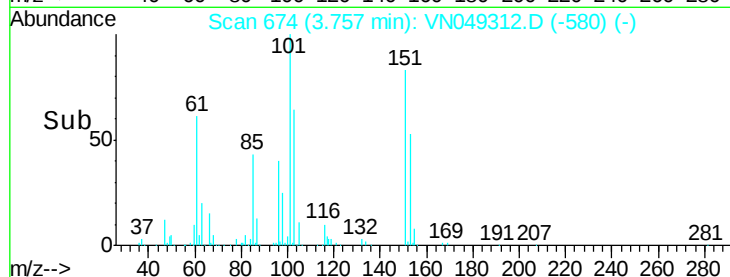
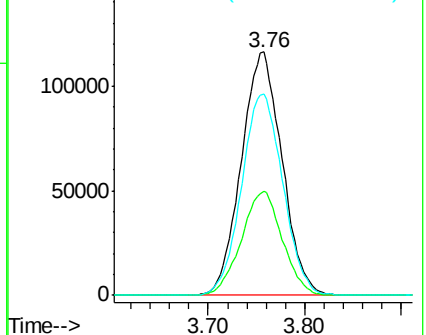
151 84.0 61.1 91.7



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: 17.40 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

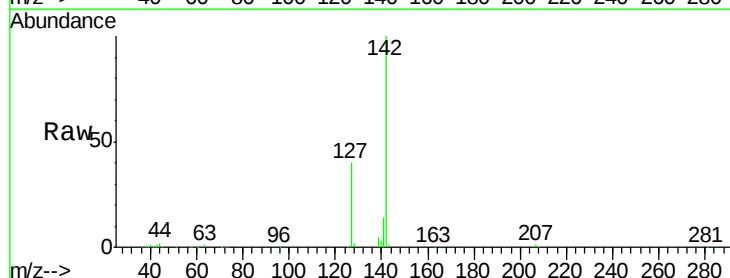
Tgt Ion:142 Resp: 326735

Ion Ratio Lower Upper

142 100

127 41.1 38.2 57.4

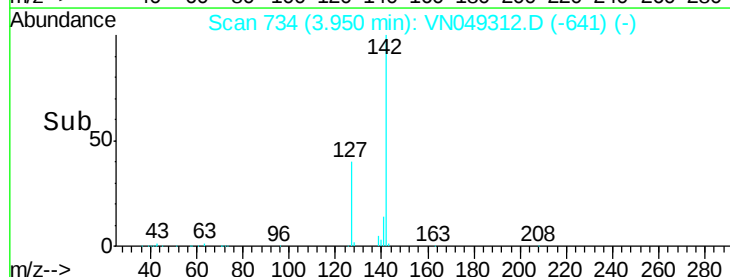
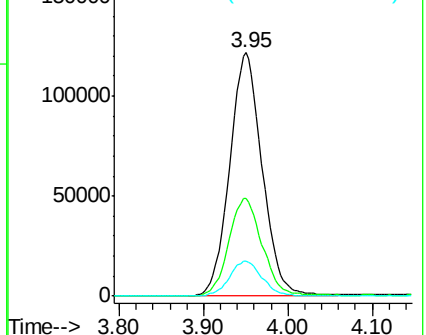
141 14.5 11.9 17.9

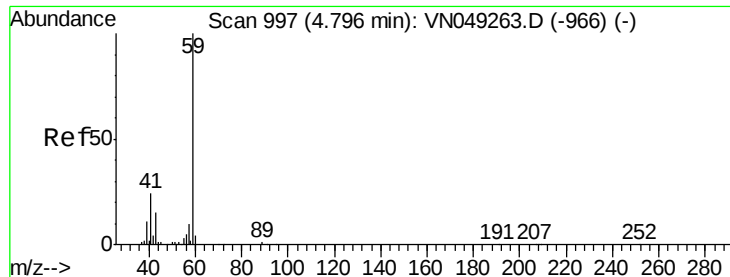


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



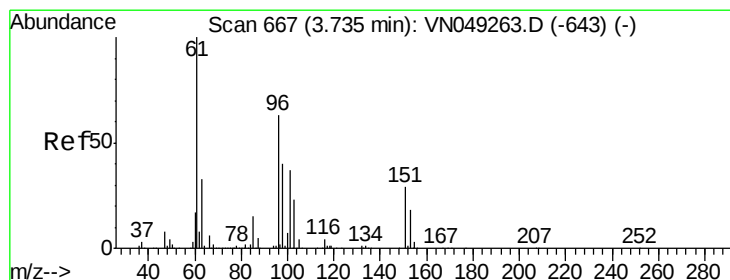
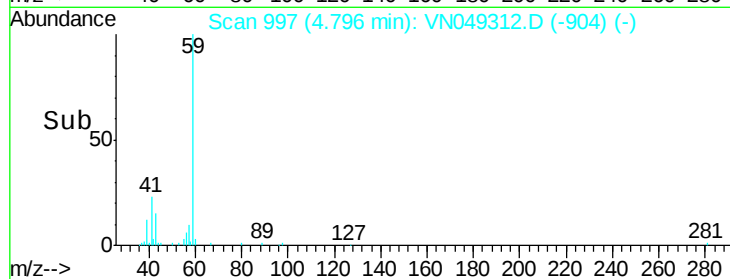
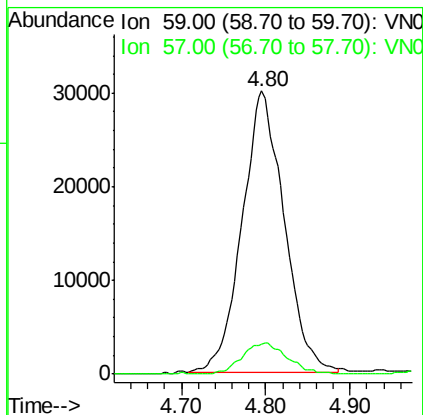
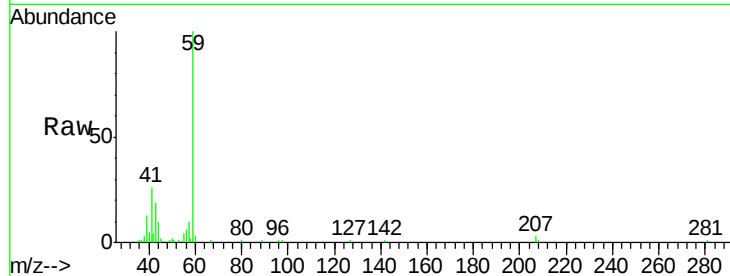


#11

Tert butyl alcohol
 Concen: 92.27 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :

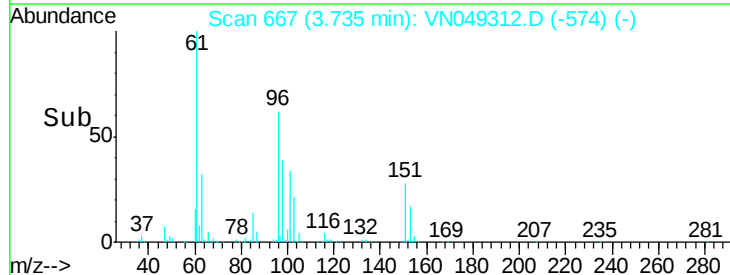
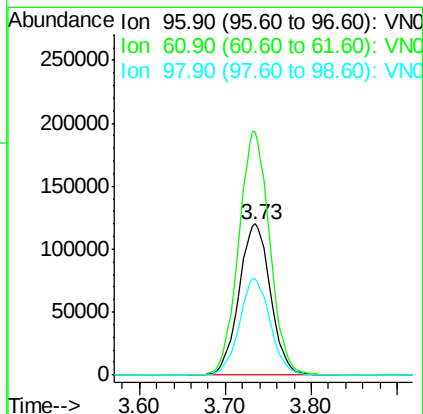
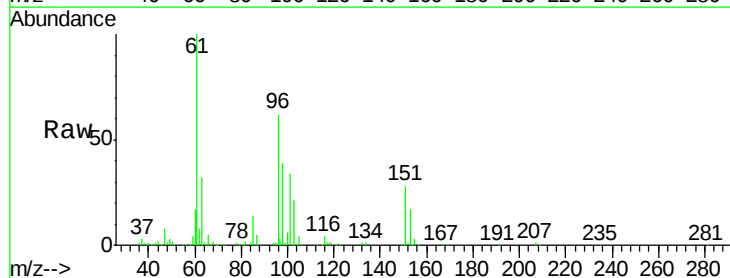
Tot Ion: 59 Resp: 103665
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.0 13.6

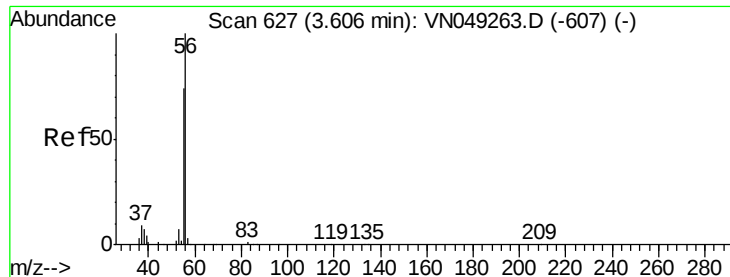


#12

1,1-Dichloroethene
 Concen: 18.47 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion: 96 Resp: 305690
 Ion Ratio Lower Upper
 96 100
 61 161.0 141.0 211.4
 98 63.6 50.4 75.6





#13

Acrolein

Concen: 81.21 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

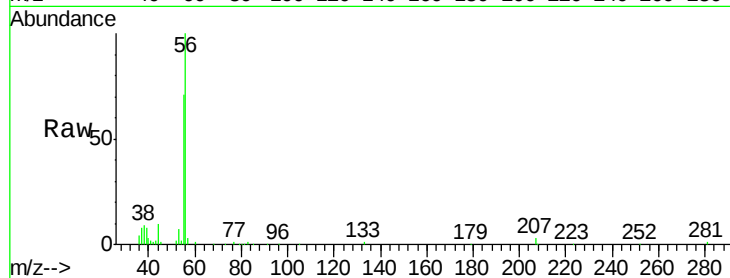
ClientSampleId :

Tot Ion: 56 Resp: 95678

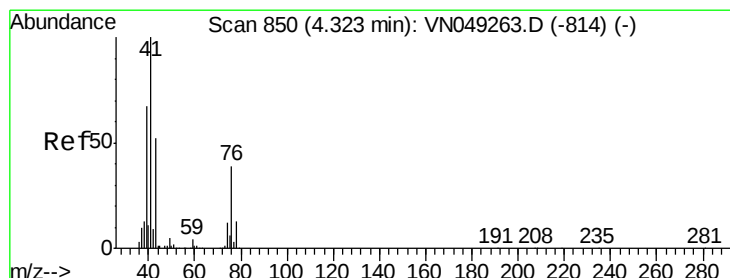
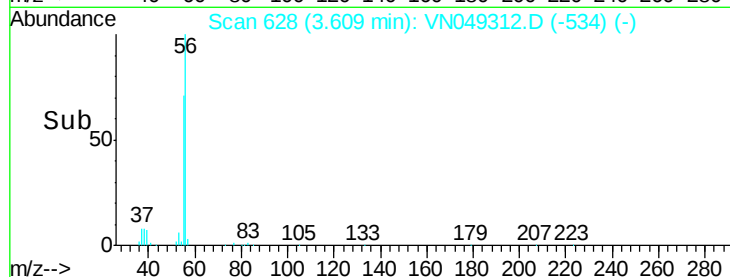
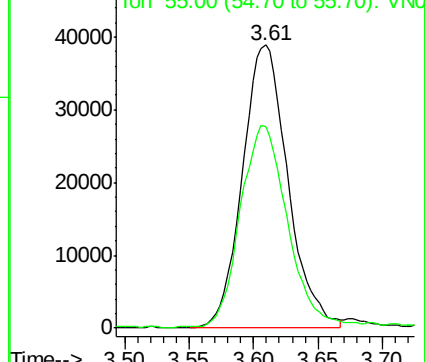
Ion Ratio Lower Upper

56 100

55 73.3 57.1 85.7



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



#14

Allyl chloride

Concen: 18.91 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

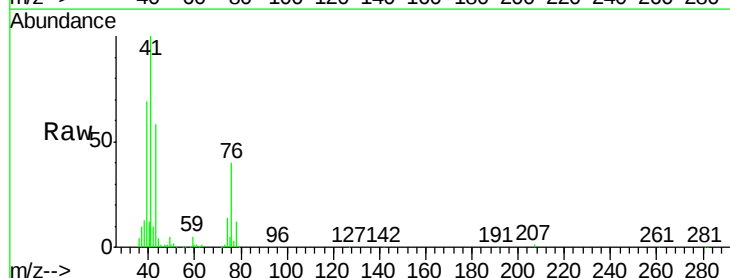
Tgt Ion: 41 Resp: 494099

Ion Ratio Lower Upper

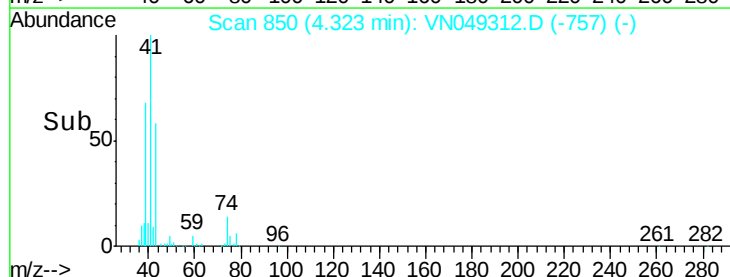
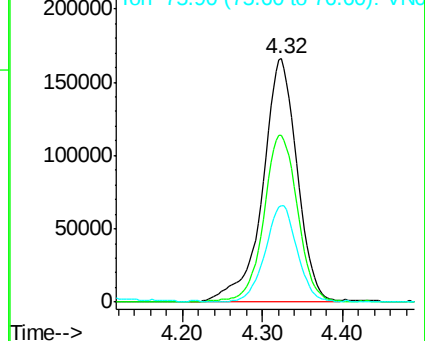
41 100

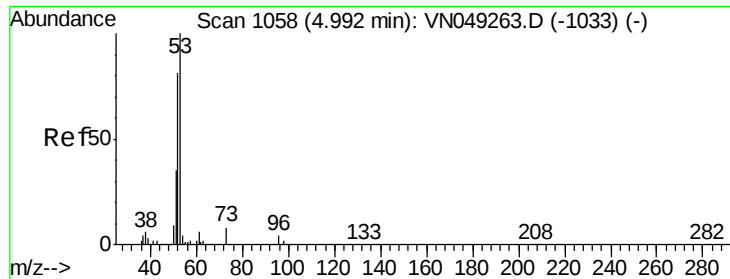
39 68.0 62.5 93.7

76 36.0 27.1 40.7



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

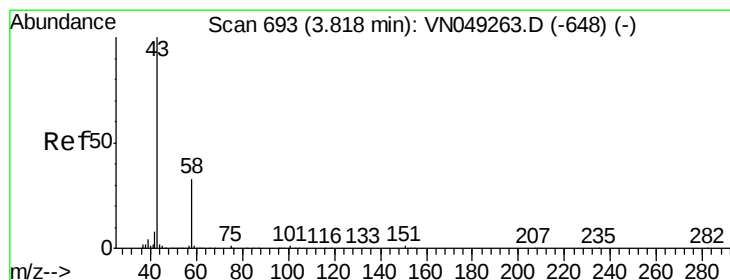
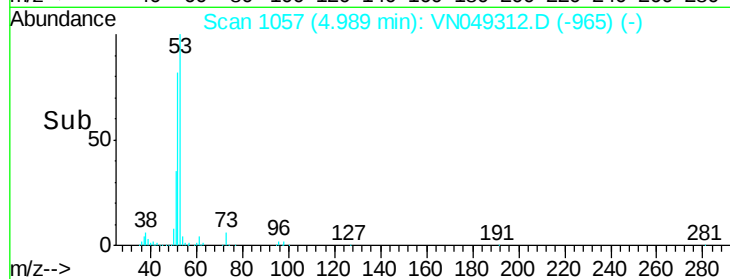
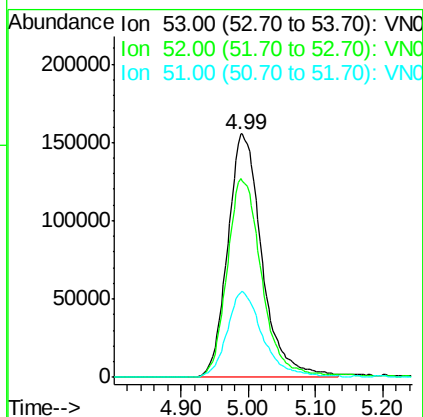
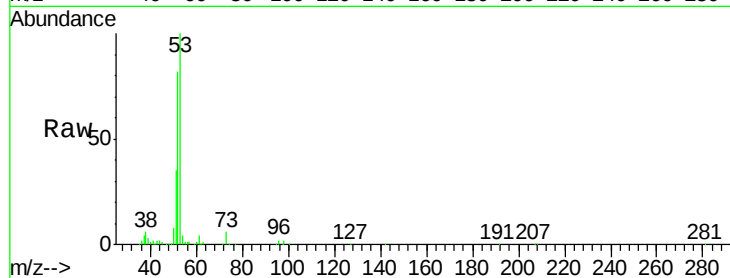




#15
 Acrylonitrile
 Concen: 98.13 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

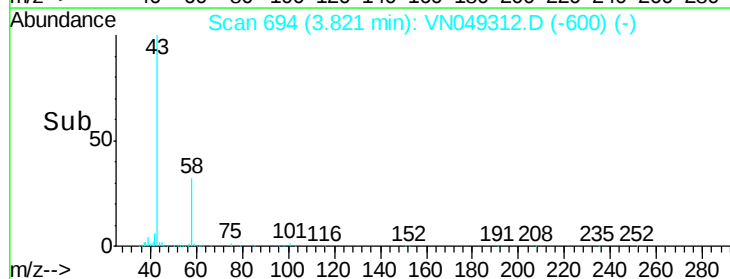
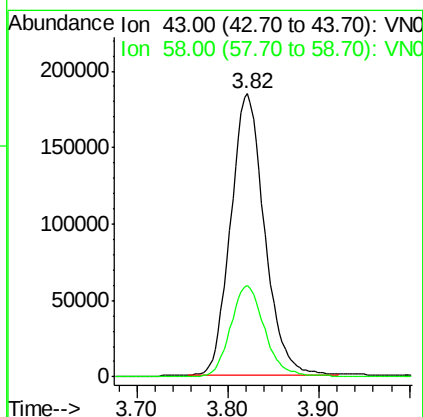
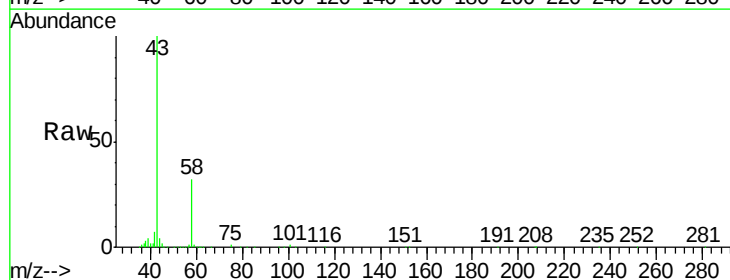
Instrument :
 MSVOA_N
 ClientSampleId :

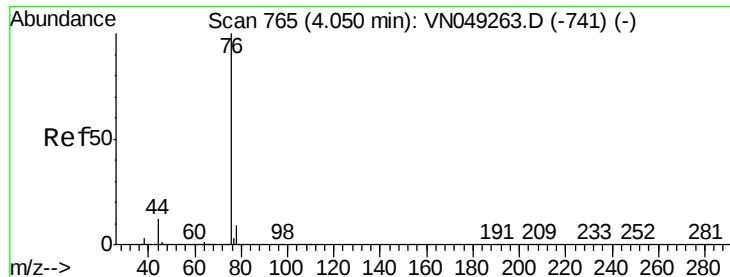
Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.9	29.8	44.8



#16
 Acetone
 Concen: 102.01 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.4	33.6

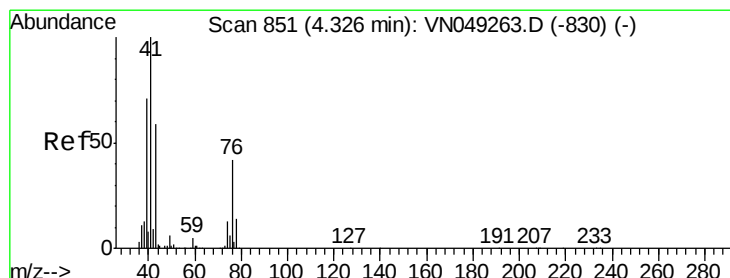
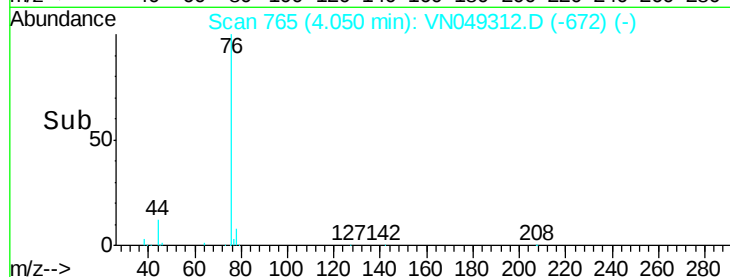
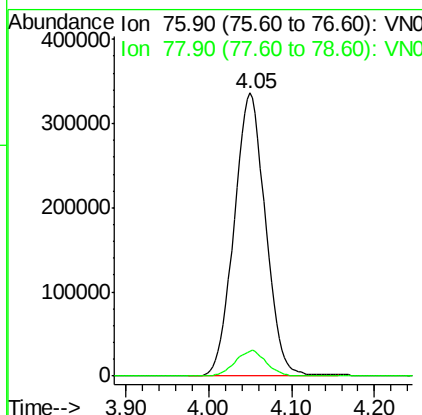
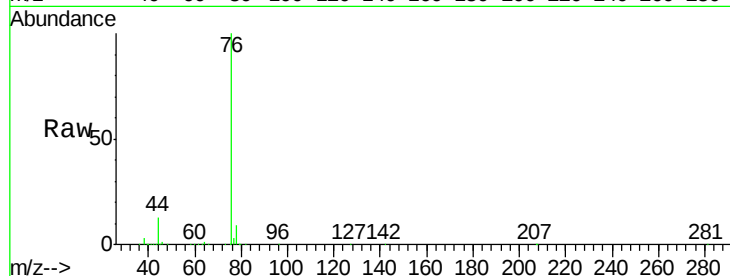




#17
Carbon Disulfide
Concen: 17.08 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

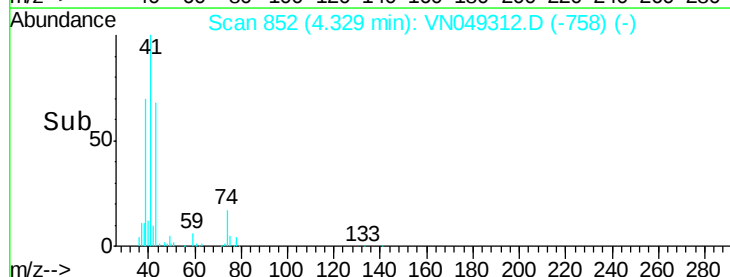
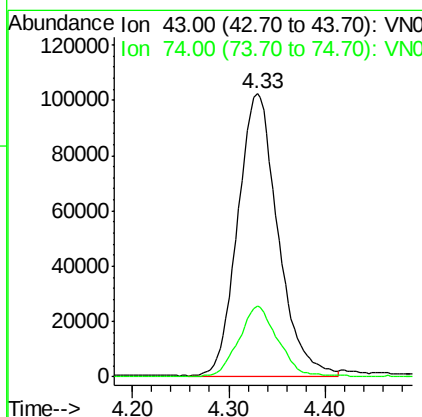
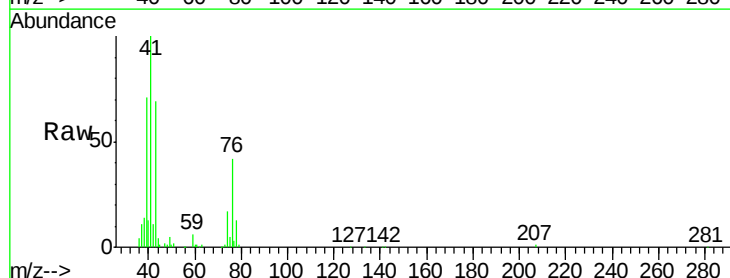
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 885963
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 20.80 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 43 Resp: 294828
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0



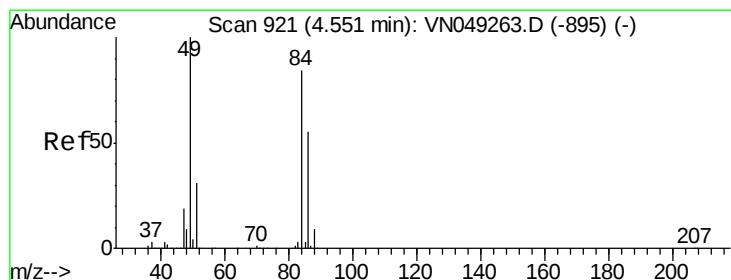
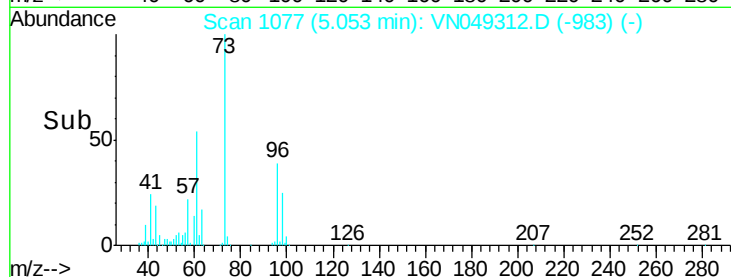
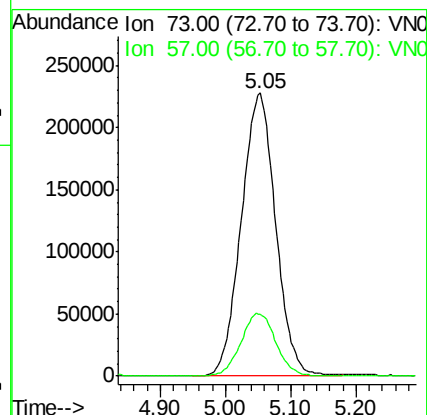
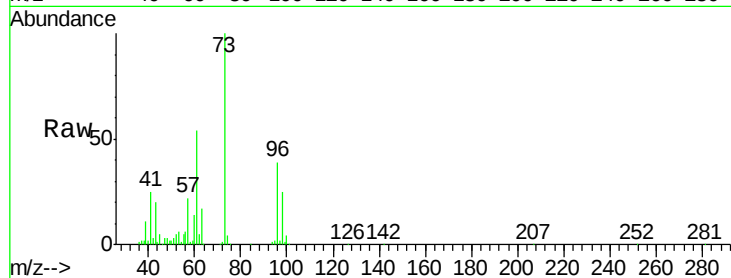


#19

Methyl tert-butyl Ether
 Concen: 19.78 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampled :

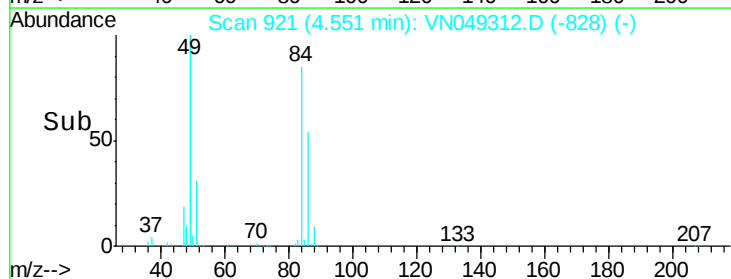
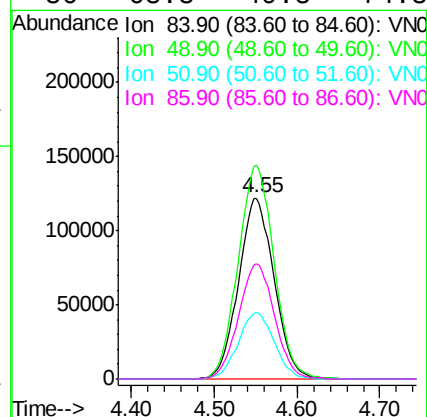
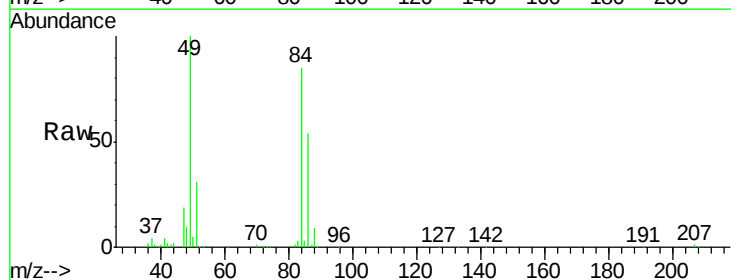
Tot Ion: 73 Resp: 834470
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.2 27.4



#20

Methylene Chloride
 Concen: 18.79 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion: 84 Resp: 364756
 Ion Ratio Lower Upper
 84 100
 49 117.9 106.9 160.3
 51 37.0 32.7 49.1
 86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

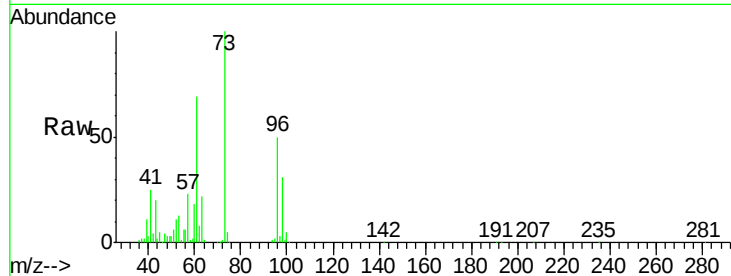
Tot Ion: 96 Resp: 325657

Ion Ratio Lower Upper

96 100

61 138.4 121.3 181.9

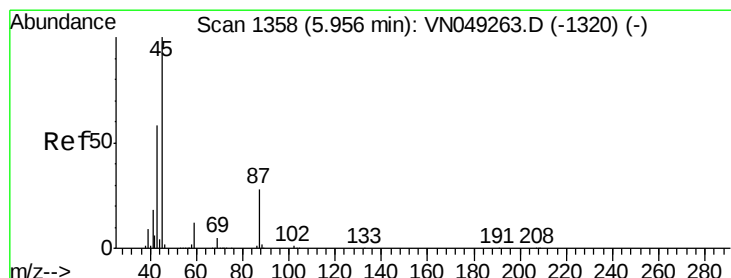
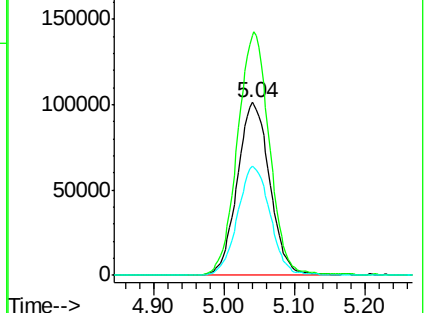
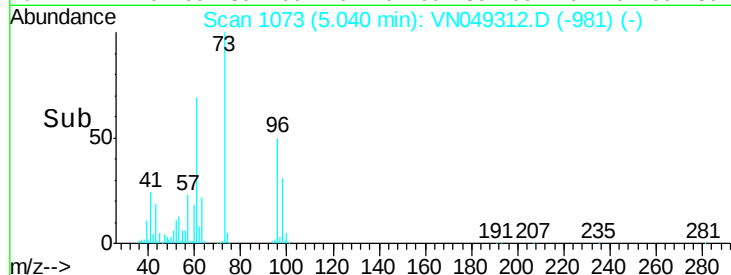
98 63.1 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN049312.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049312.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049312.D (-981) (-)



#22

Diisopropyl ether

Concen: 20.09 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion: 45 Resp: 1048338

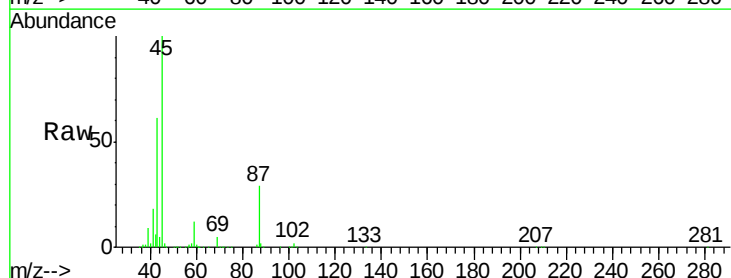
Ion Ratio Lower Upper

45 100

43 60.4 48.6 72.8

87 28.6 20.2 30.2

59 12.1 9.0 13.4

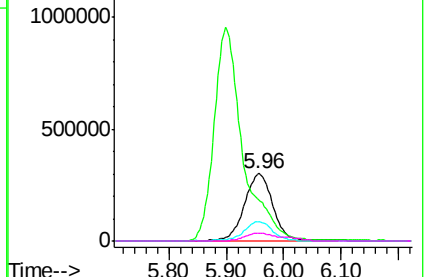
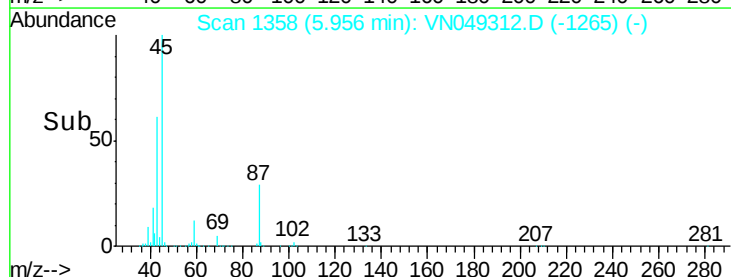


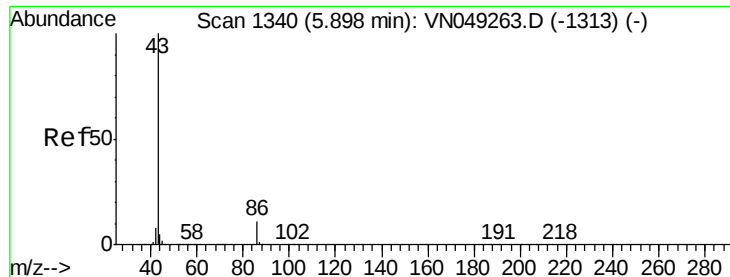
Abundance Ion 45.00 (44.70 to 45.70): VN049312.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049312.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049312.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049312.D (-1265) (-)





#23

Vinyl Acetate

Concen: 97.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

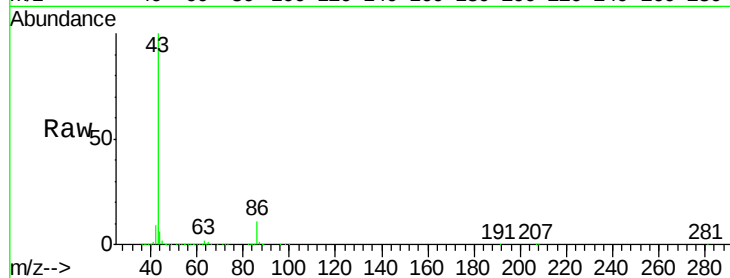
ClientSampled :

Tot Ion: 43 Resp: 3329459

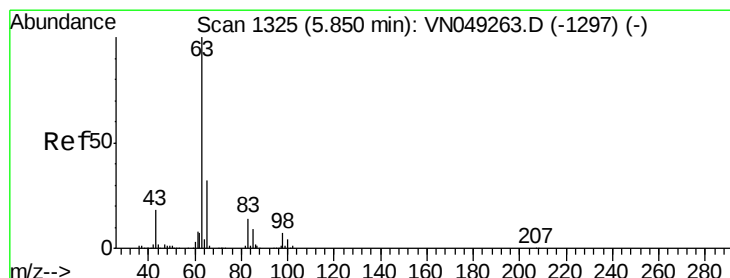
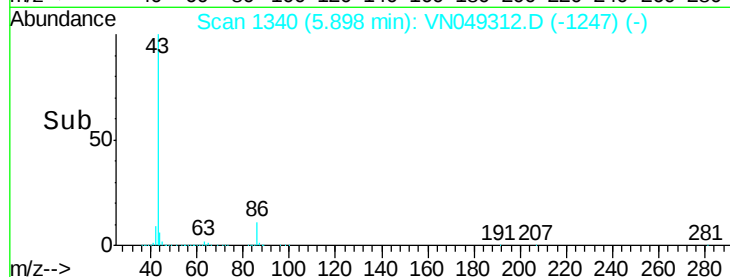
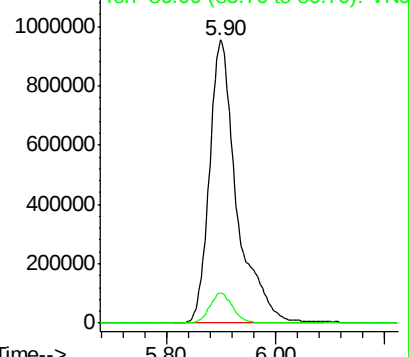
Ion Ratio Lower Upper

43 100

86 10.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049312.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 19.02 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

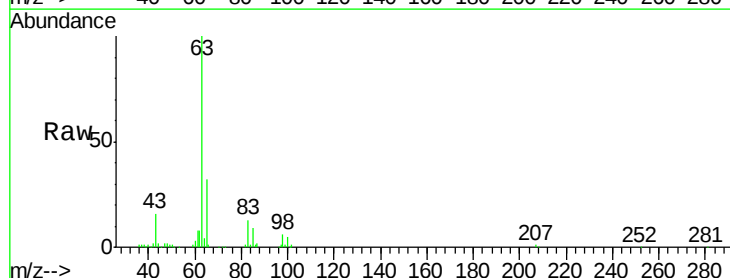
Tgt Ion: 63 Resp: 635086

Ion Ratio Lower Upper

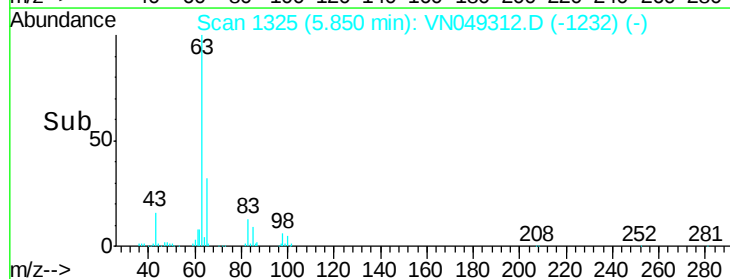
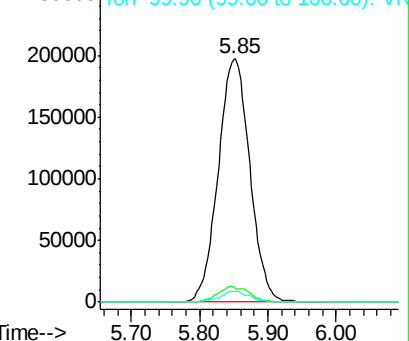
63 100

98 6.0 2.9 8.8

100 4.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049312.D (-1232) (-)





#25

2-Butanone

Concen: 98.84 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

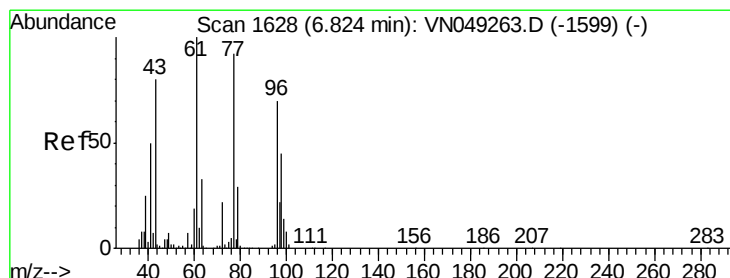
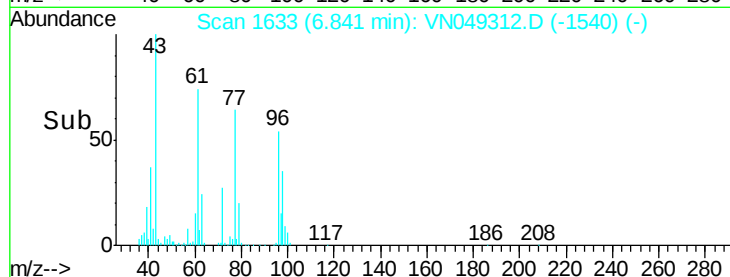
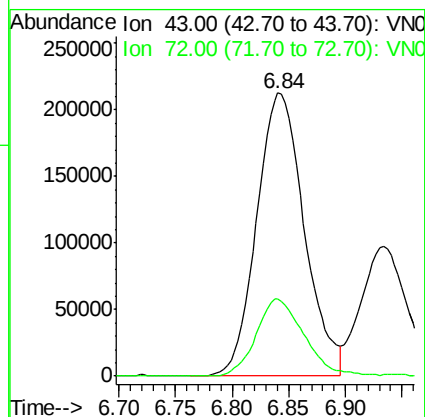
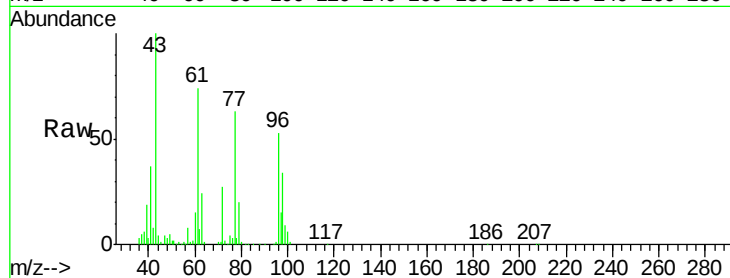
ClientSampleId :

Tot Ion: 43 Resp: 616809

Ion Ratio Lower Upper

43 100

72 27.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.44 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049312.D

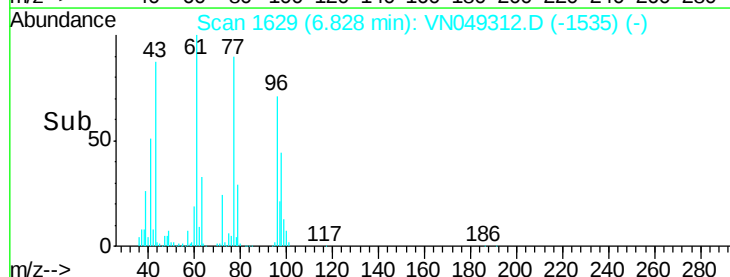
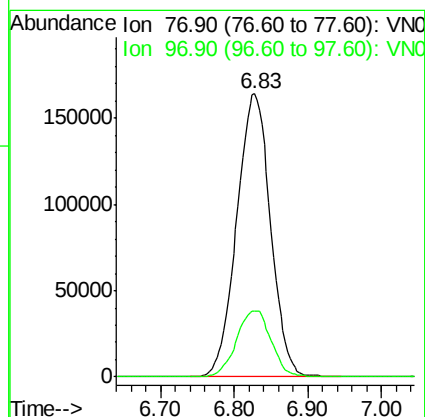
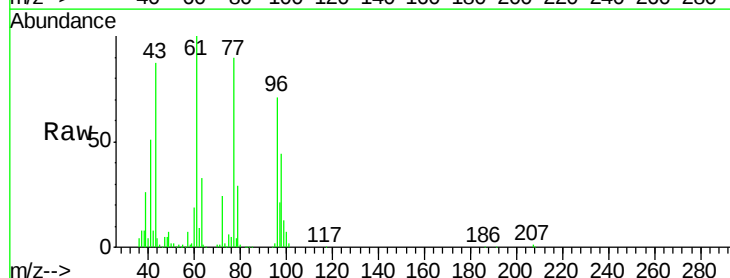
Acq: 16 Jun 2018 16:22

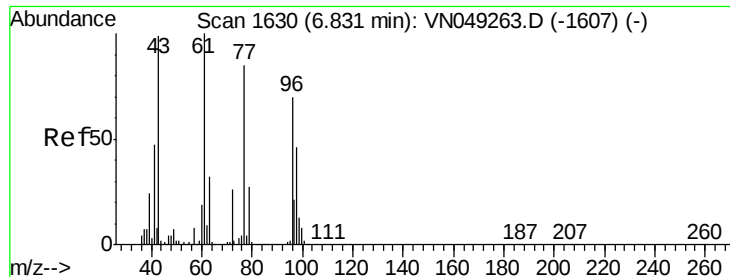
Tgt Ion: 77 Resp: 524215

Ion Ratio Lower Upper

77 100

97 24.0 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.52 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

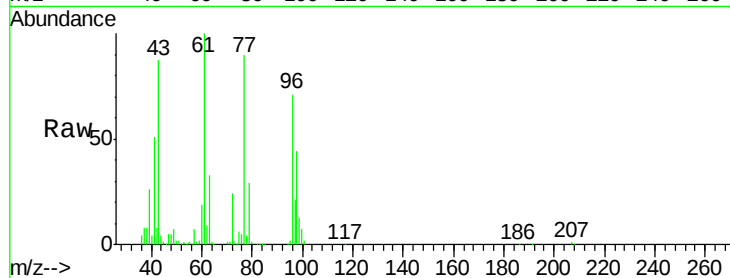
Tot Ion: 96 Resp: 380157

Ion Ratio Lower Upper

96 100

61 141.9 0.0 316.4

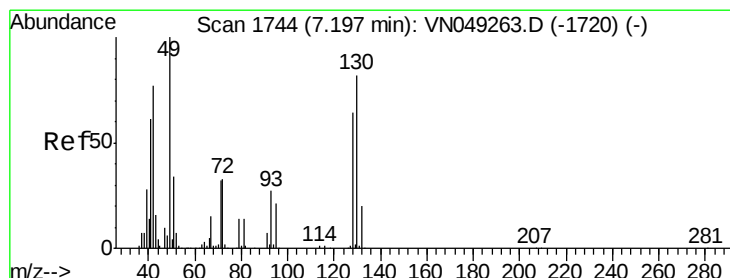
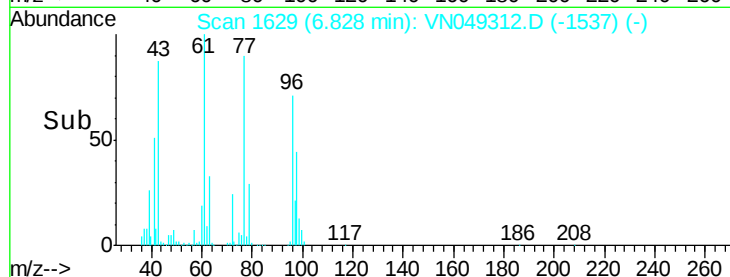
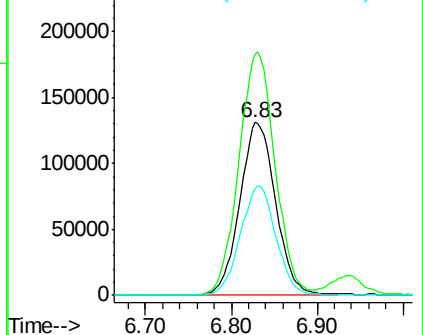
98 62.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049312.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049312.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049312.D (-1607) (-)



#28

Bromochloromethane

Concen: 20.47 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

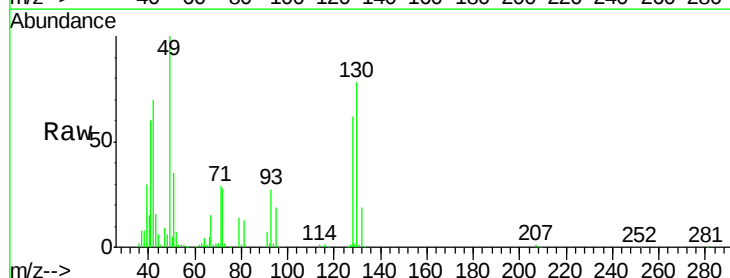
Tgt Ion: 49 Resp: 303005

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

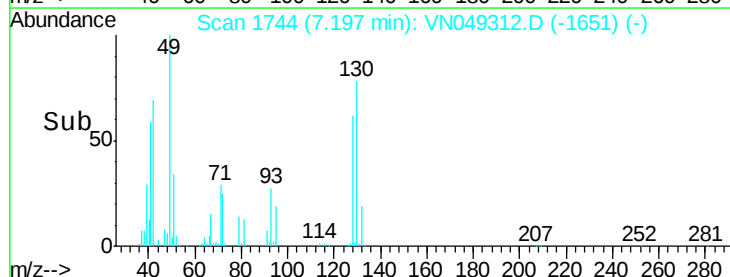
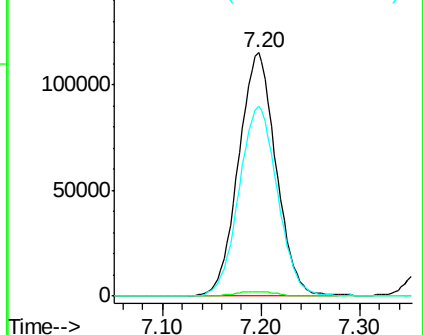
130 80.1 54.9 82.3

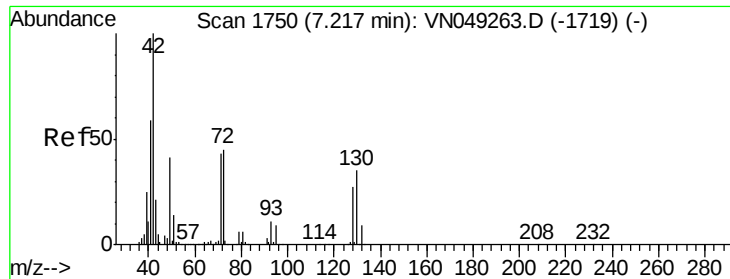


Abundance Ion 48.90 (48.60 to 49.60): VN049312.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049312.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049312.D (-1651) (-)





#29

Tetrahydrofuran

Concen: 97.58 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :

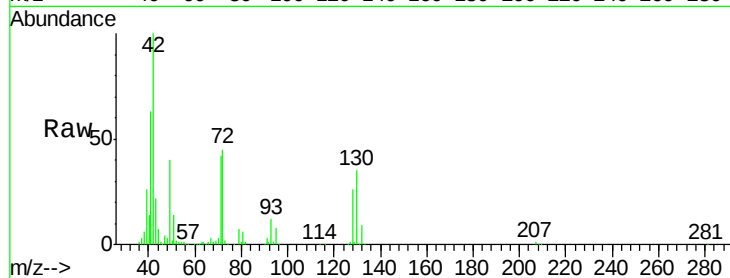
Tot Ion: 42 Resp: 392011

Ion Ratio Lower Upper

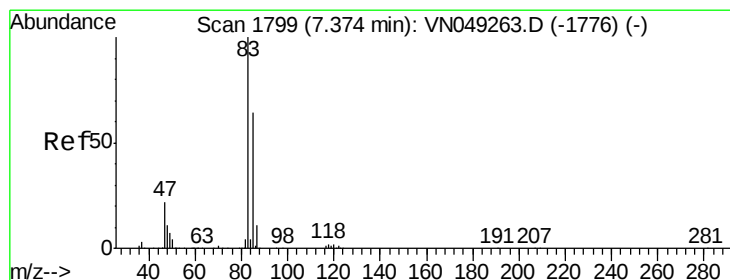
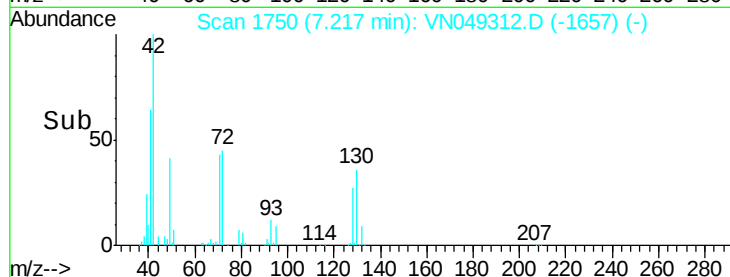
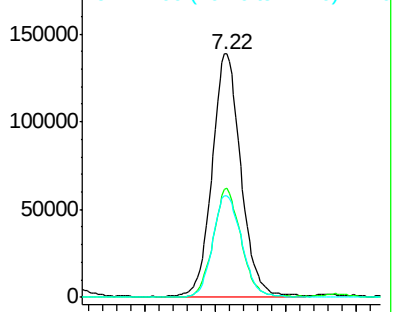
42 100

72 43.5 32.2 48.4

71 42.4 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.29 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049312.D

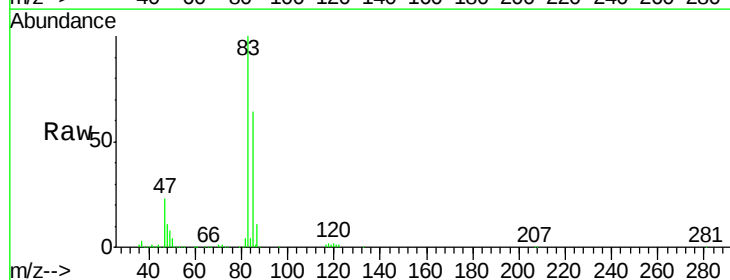
Acq: 16 Jun 2018 16:22

Tgt Ion: 83 Resp: 641168

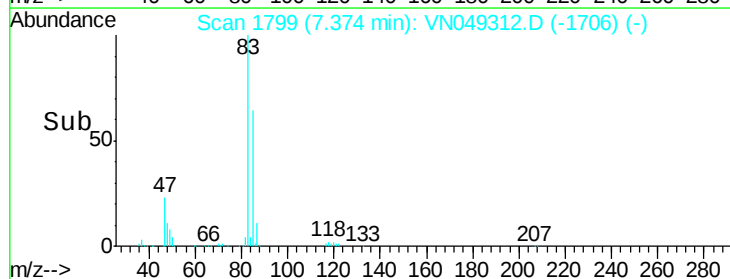
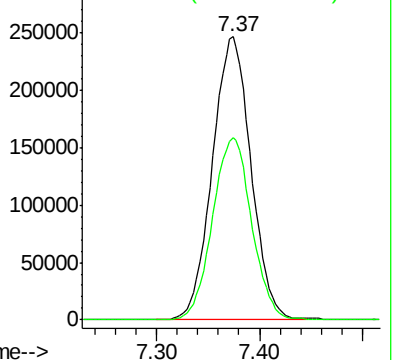
Ion Ratio Lower Upper

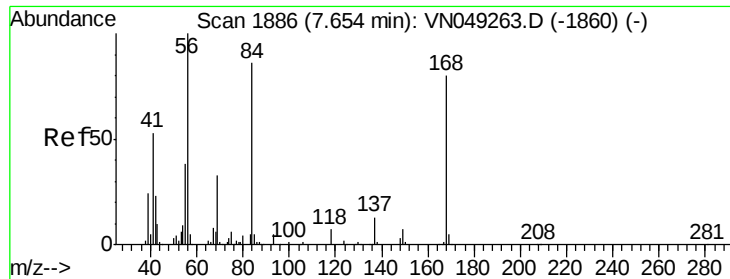
83 100

85 64.3 51.7 77.5



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

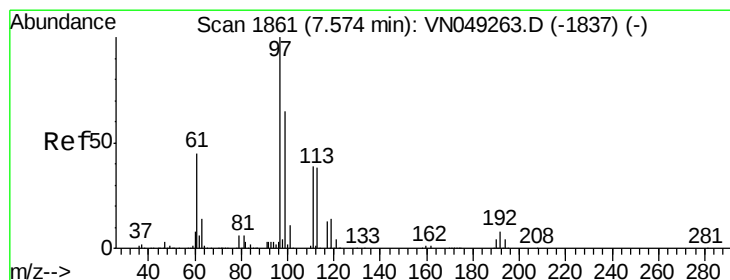
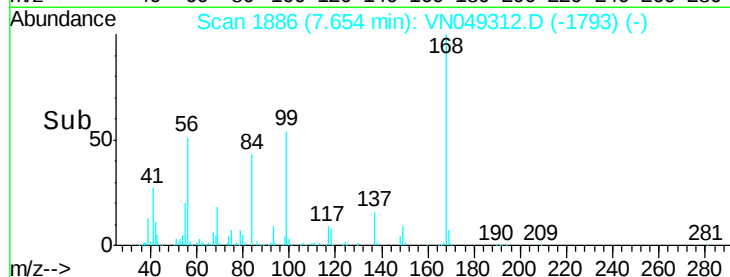
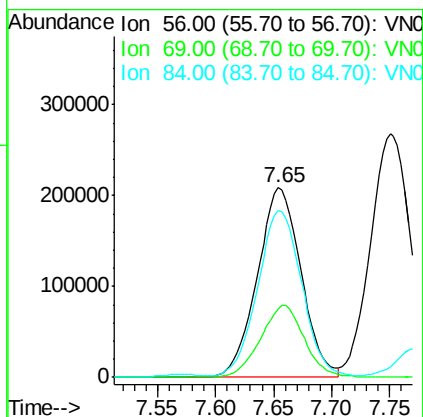
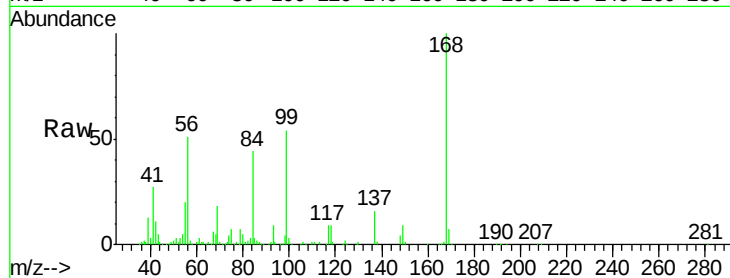




#31
Cyclohexane
Concen: 19.21 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

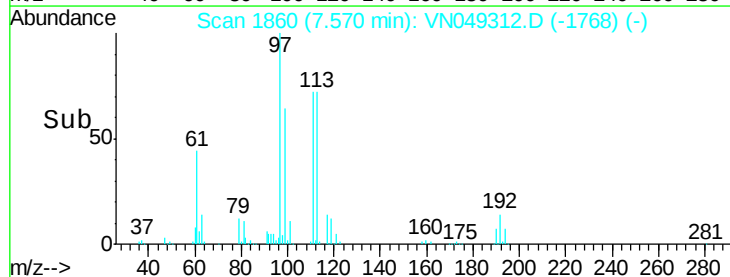
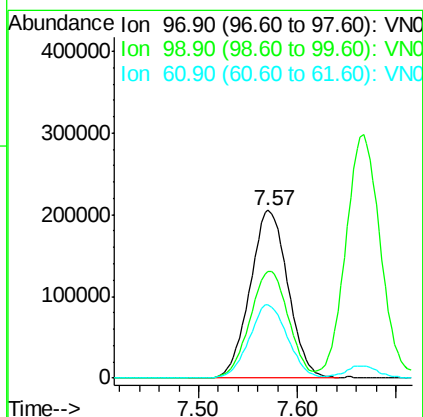
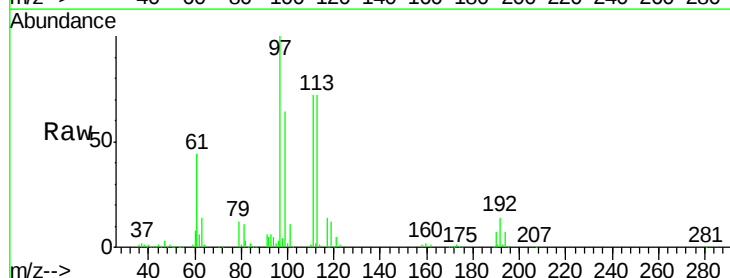
Instrument :
MSVOA_N
ClientSampled :

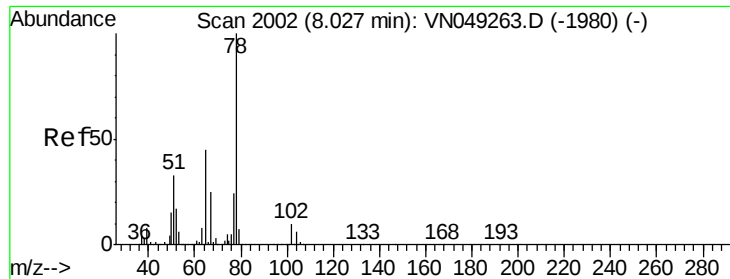
Tot Ion	56	Resp	546838
Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.0	37.4
84	86.3	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.27 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	97	Resp	546318
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	44.1	37.9	56.9

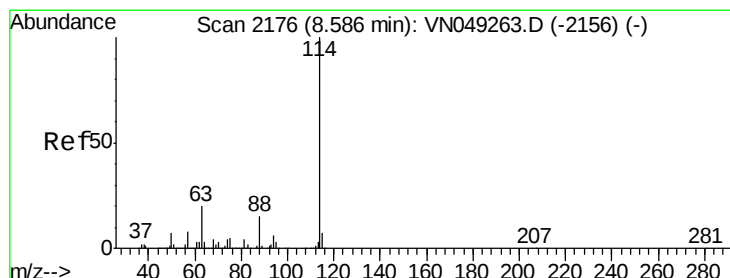
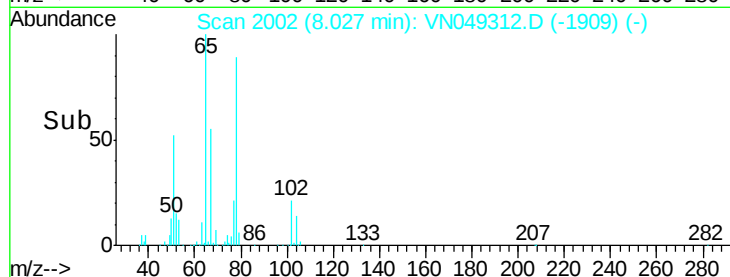
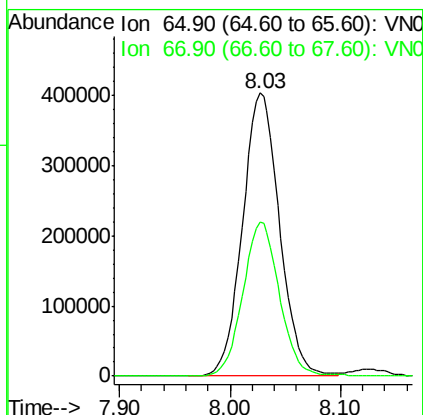
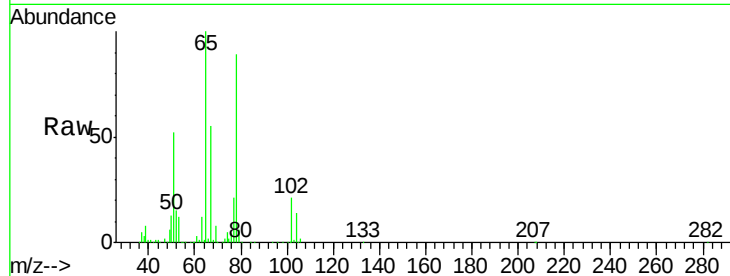




#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

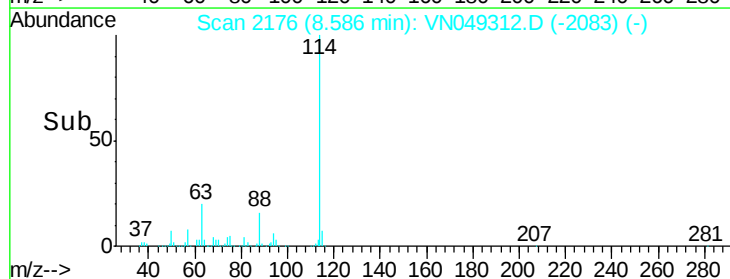
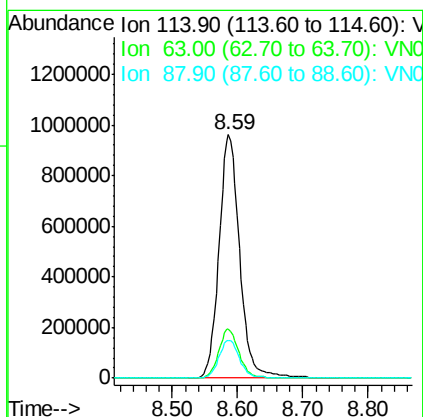
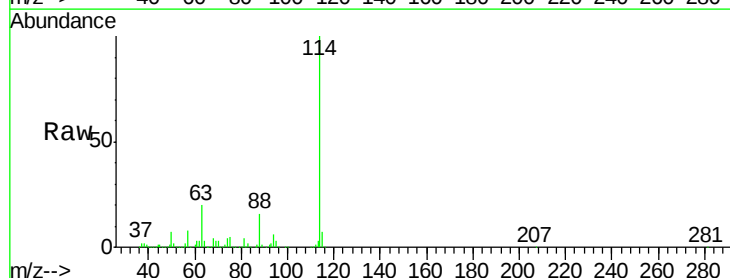
Instrument :
 MSVOA_N
 ClientSampleId :

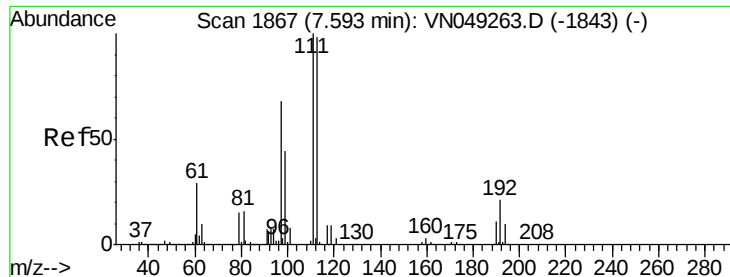
Tot Ion: 65 Resp: 937623
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion: 114 Resp: 2116570
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.6 0.0 31.4

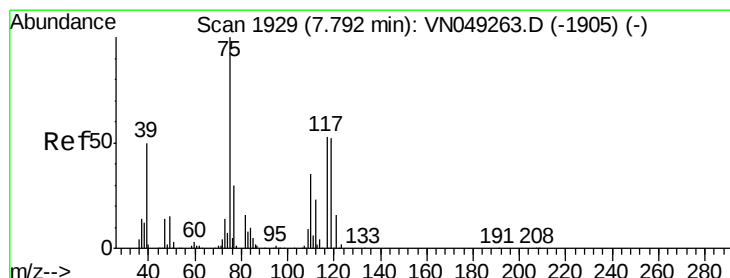
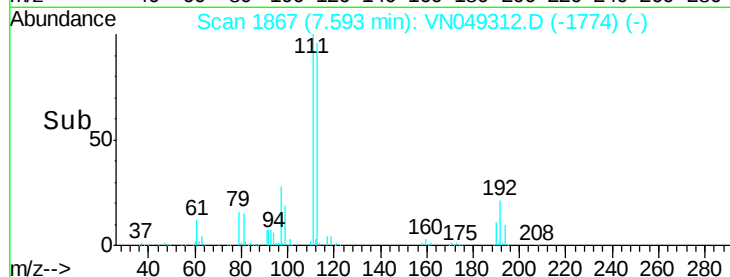
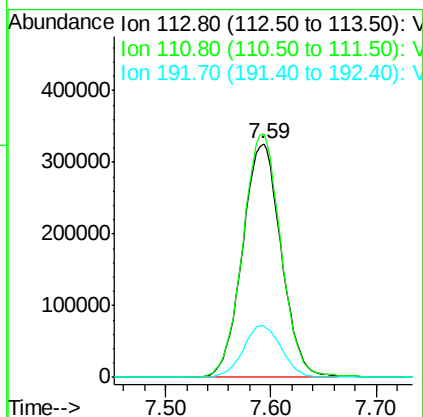
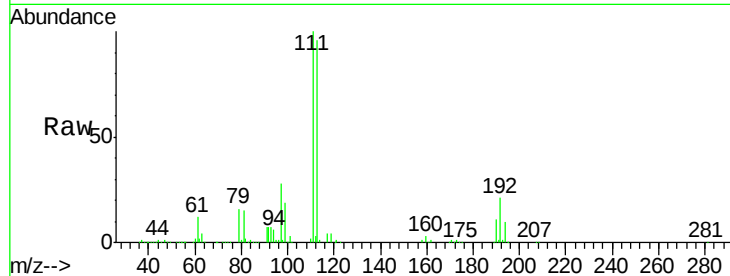




#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

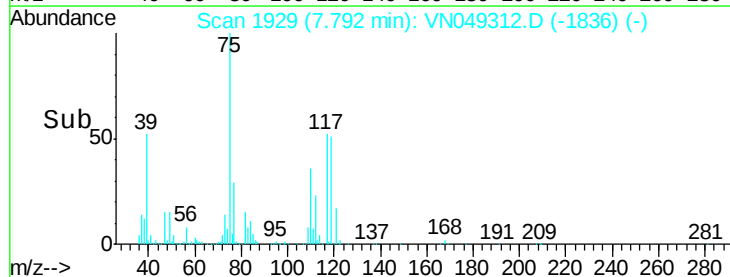
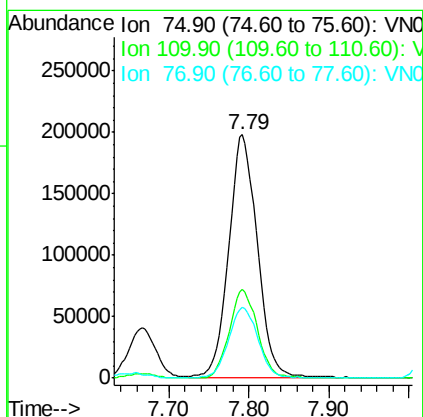
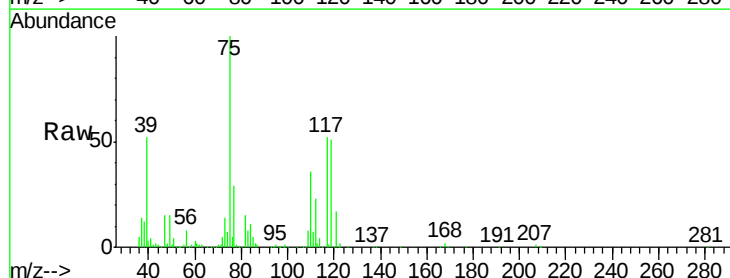
Instrument :
 MSVOA_N
 ClientSampleId :

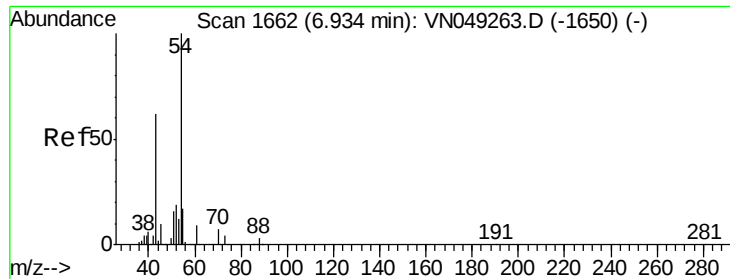
Tot Ion:113 Resp: 831566
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 21.8 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 19.68 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion: 75 Resp: 477364
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.0 50.9
 77 29.8 24.4 36.6

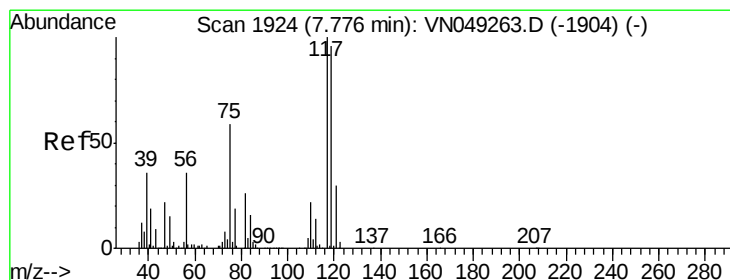
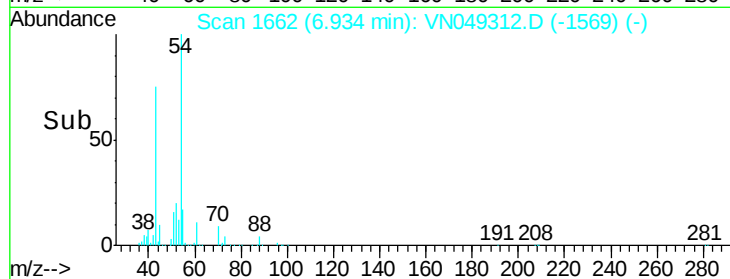
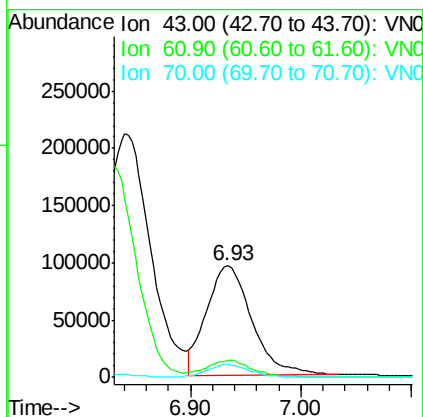
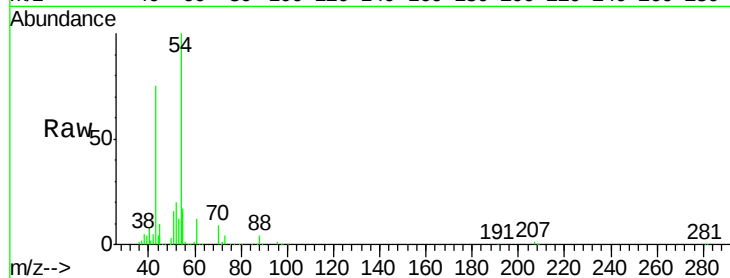




#37
Ethyl Acetate
Concen: 20.84 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

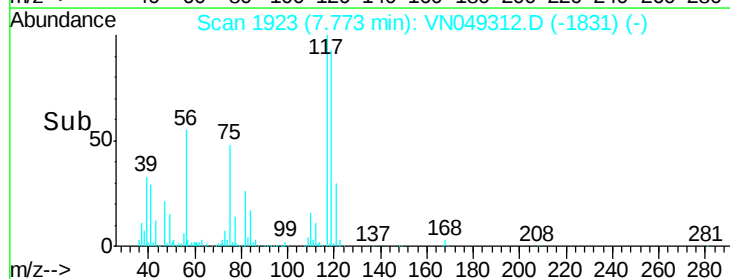
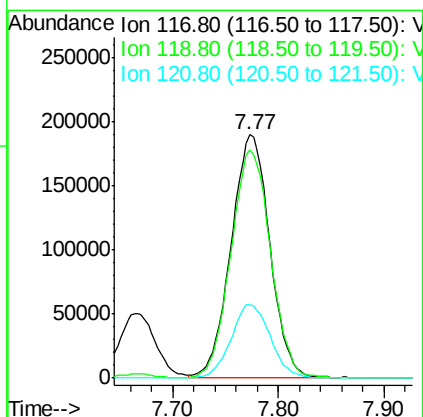
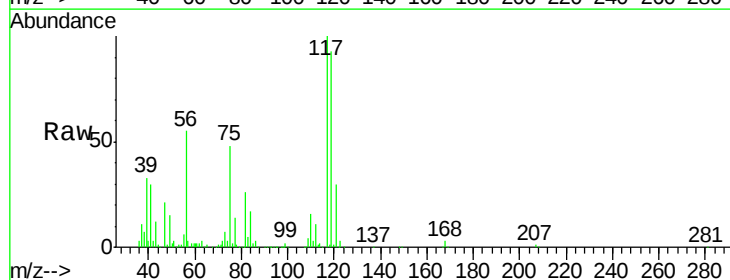
Instrument :
MSVOA_N
ClientSampled :

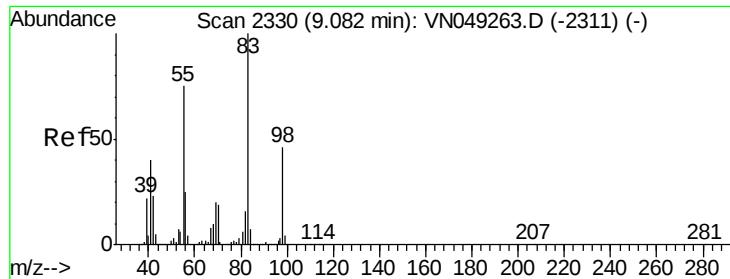
Tot Ion: 43 Resp: 274803
Ion Ratio Lower Upper
43 100
61 15.2 11.0 16.4
70 10.9 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 19.14 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 117 Resp: 480772
Ion Ratio Lower Upper
117 100
119 93.5 75.6 113.4
121 30.2 24.7 37.1

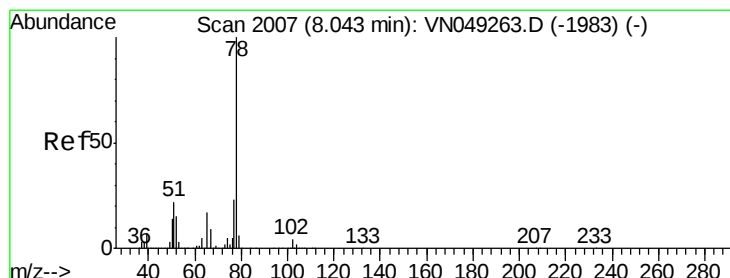
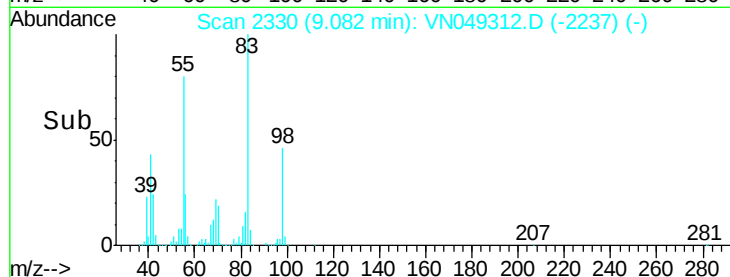
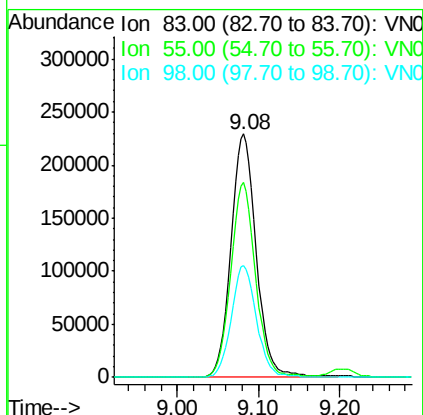
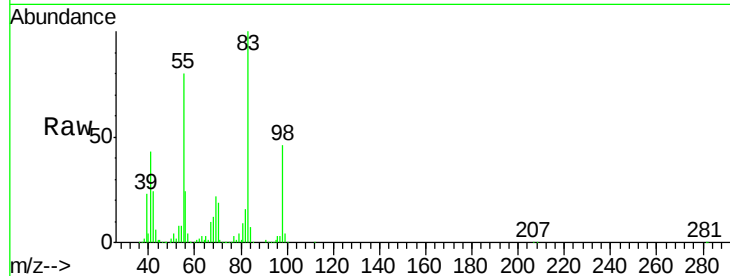




#39
Methvlcvclohexane
Concen: 19.18 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

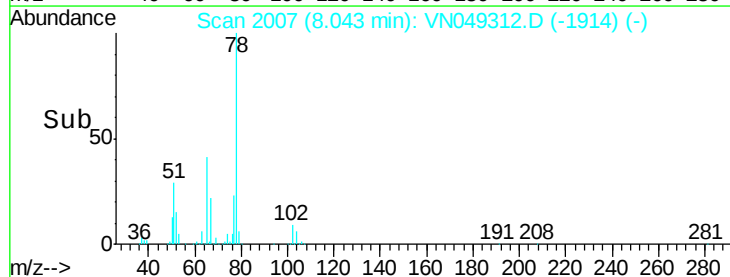
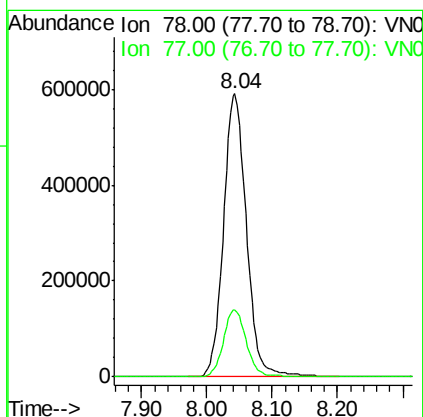
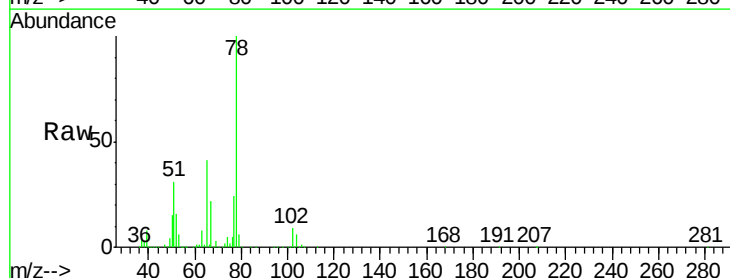
Instrument :
MSVOA_N
ClientSampleId :

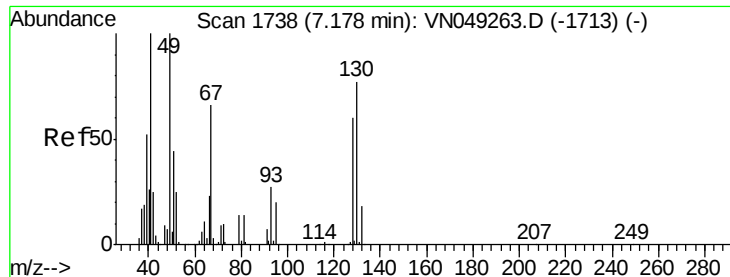
Tot Ion: 83 Resp: 499356
Ion Ratio Lower Upper
83 100
55 80.0 65.1 97.7
98 46.0 36.5 54.7



#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 78 Resp: 1437908
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

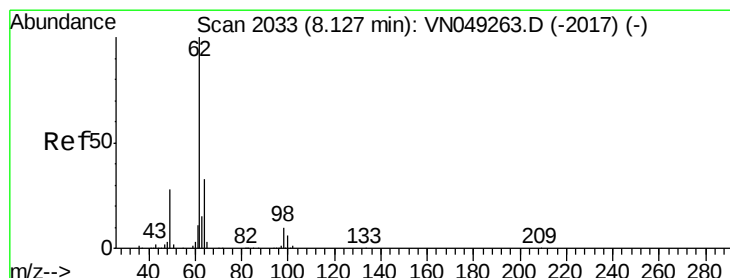
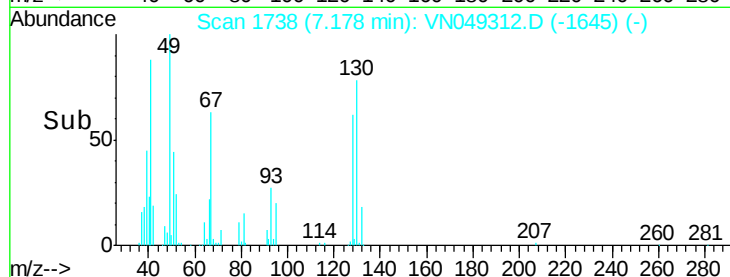
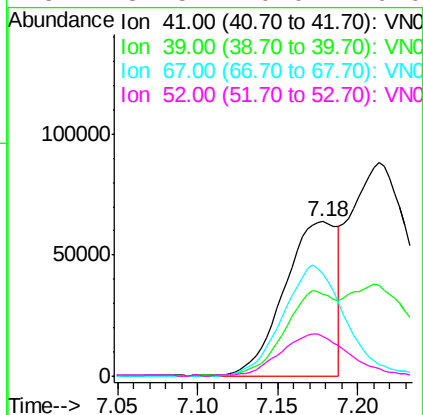
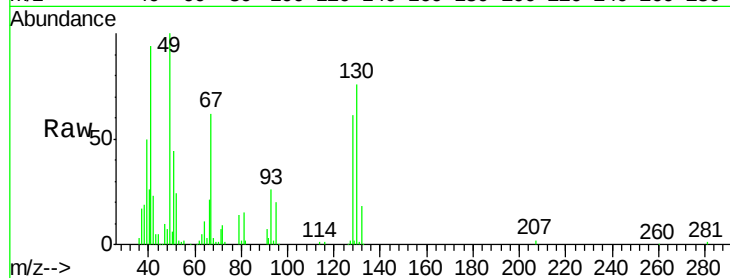




#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

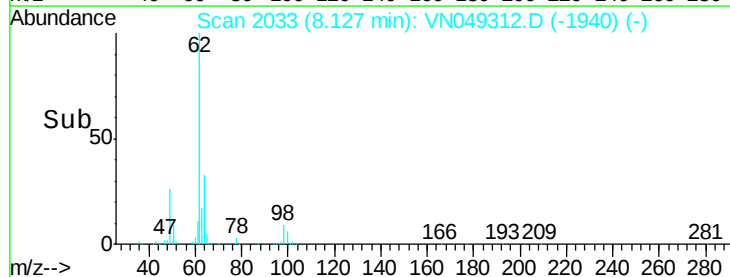
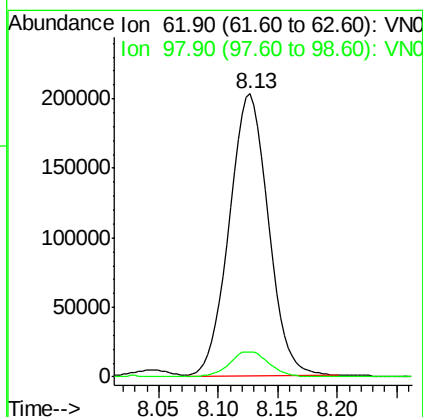
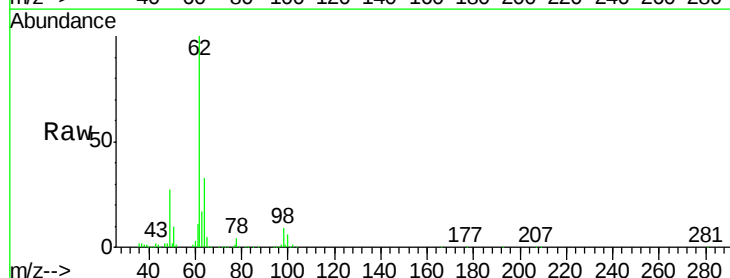
Instrument :
MSVOA_N
ClientSampleId :

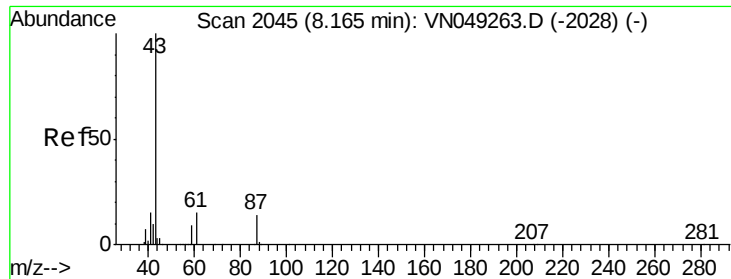
Tot Ion: 41 Resp: 146628
Ion Ratio Lower Upper
41 100
39 52.2 0.0 0.0#
67 86.0 0.0 0.0#
52 34.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.14 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 62 Resp: 462659
Ion Ratio Lower Upper
62 100
98 9.0 0.0 16.2

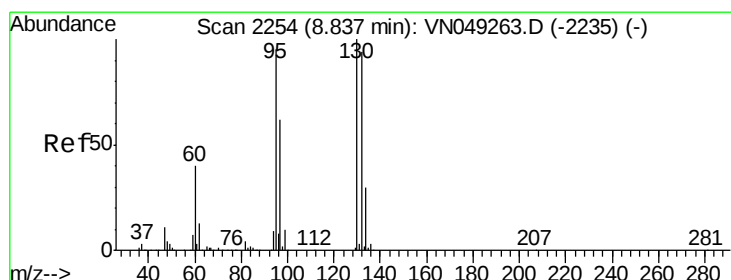
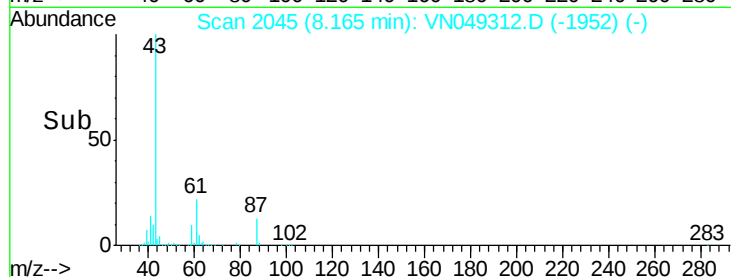
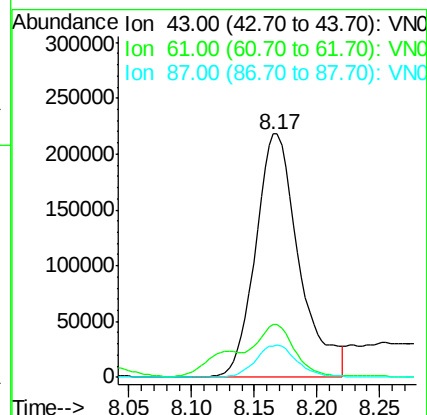
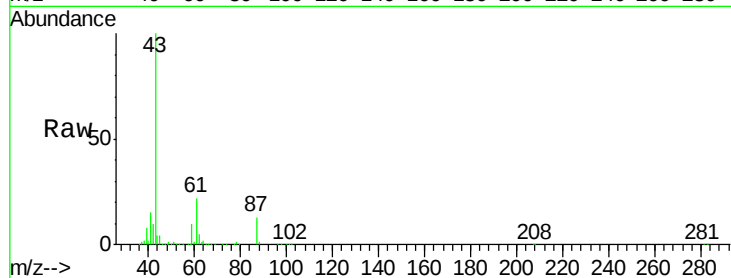




#43
Isopropyl Acetate
Concen: 20.79 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

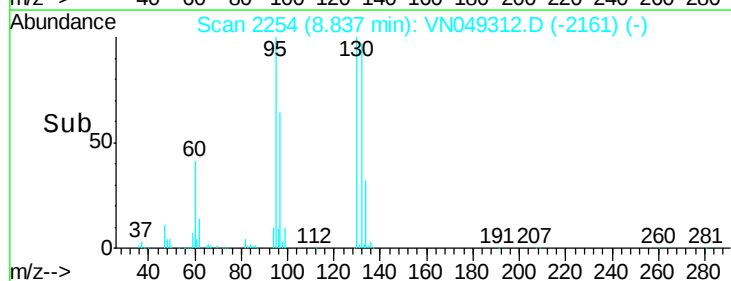
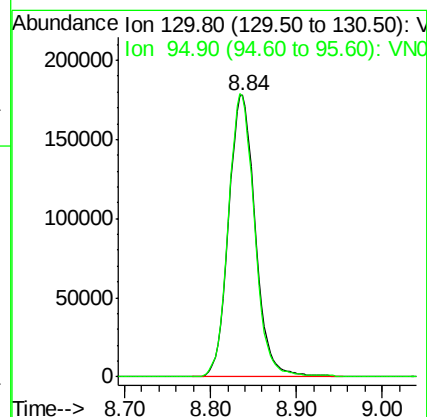
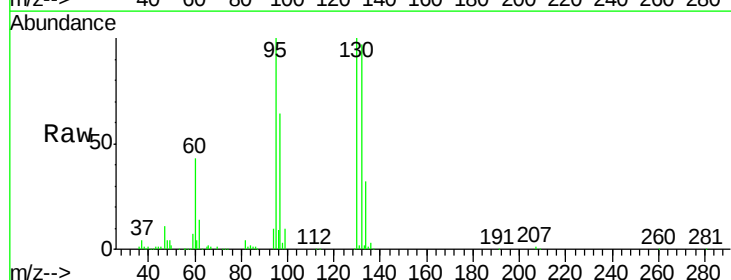
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.4
87	12.8	9.4	14.0



#44
Trichloroethene
Concen: 19.54 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.84 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

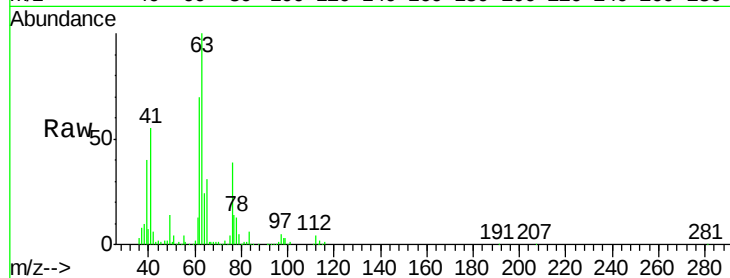
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 386409

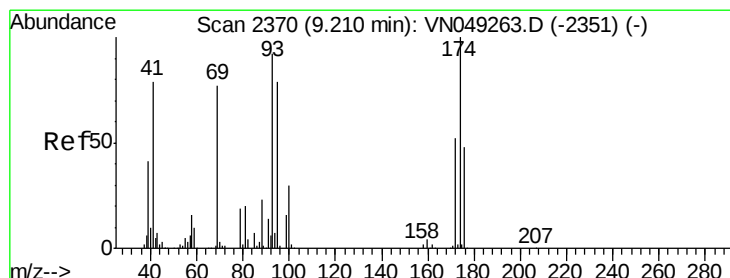
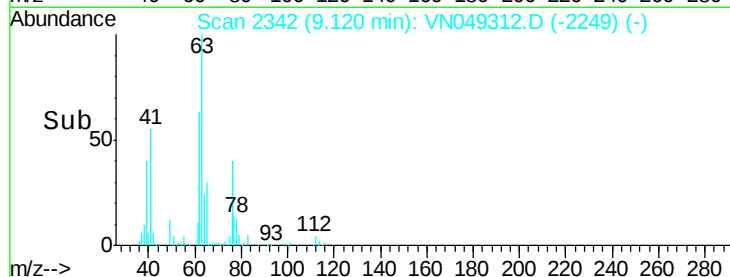
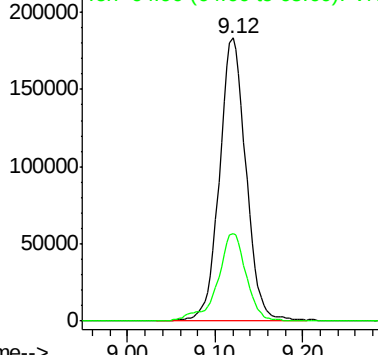
Ion Ratio Lower Upper

63 100

65 31.0 24.8 37.2



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



#46

Dibromomethane

Concen: 19.72 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

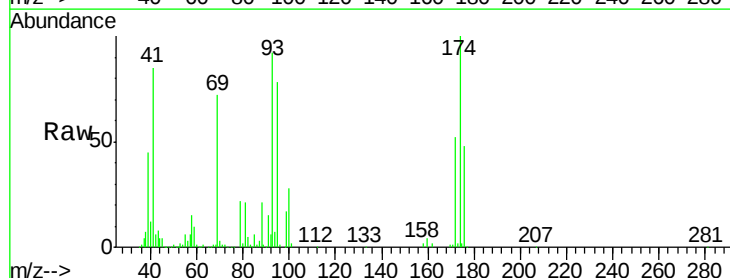
Tgt Ion: 93 Resp: 222664

Ion Ratio Lower Upper

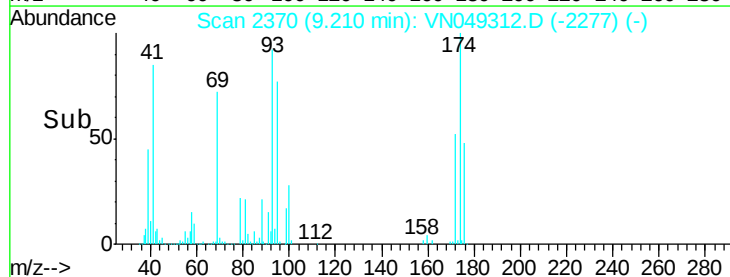
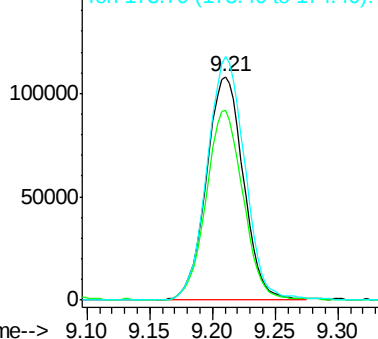
93 100

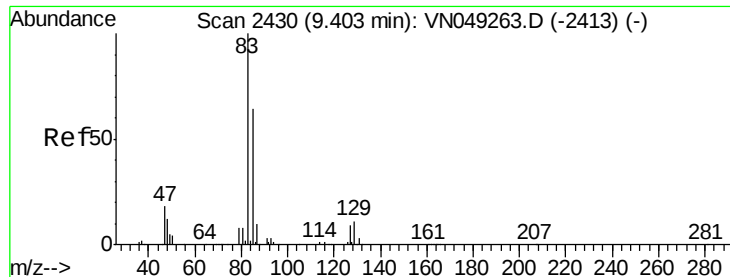
95 84.8 67.2 100.8

174 110.4 75.6 113.4



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





#47

Bromodichloromethane

Concen: 20.03 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :

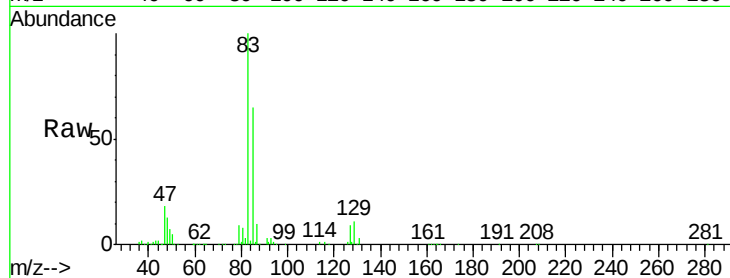
Tot Ion: 83 Resp: 497008

Ion Ratio Lower Upper

83 100

85 64.7 49.4 74.0

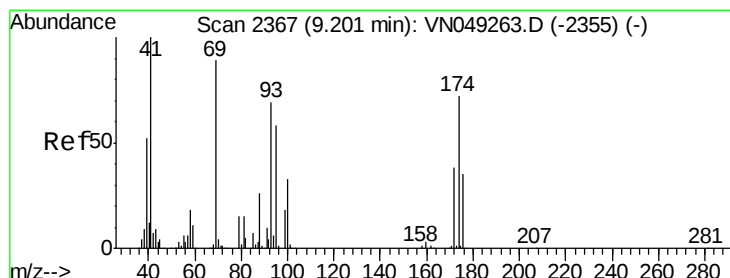
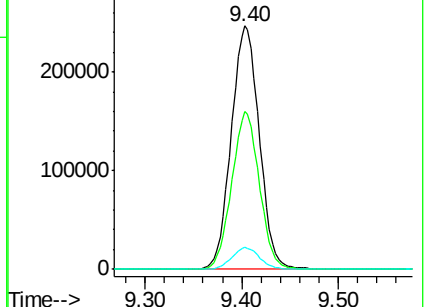
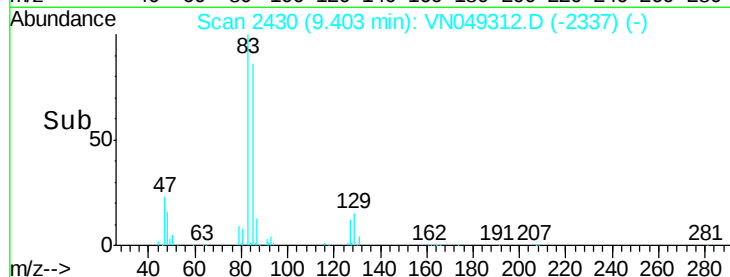
127 8.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049312.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049312.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049312.D (-2337) (-)



#48

Methyl methacrylate

Concen: 20.65 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

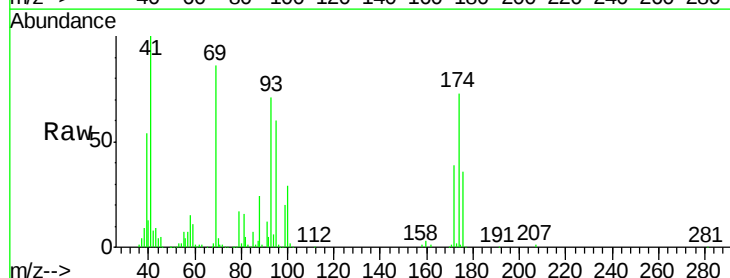
Tgt Ion: 41 Resp: 245000

Ion Ratio Lower Upper

41 100

69 86.1 62.0 93.0

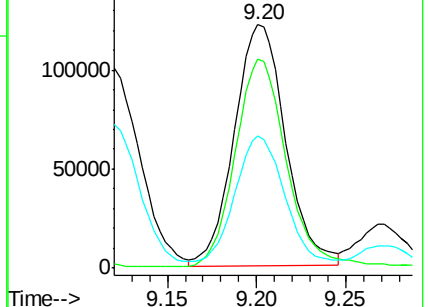
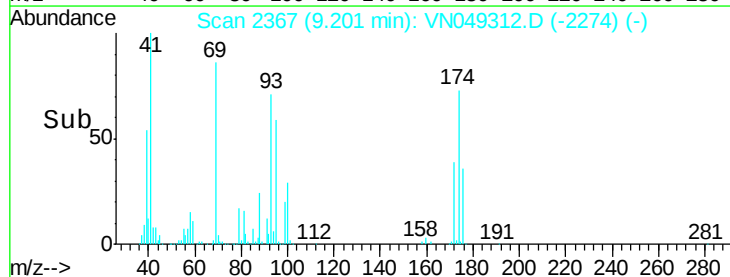
39 53.5 50.6 75.8

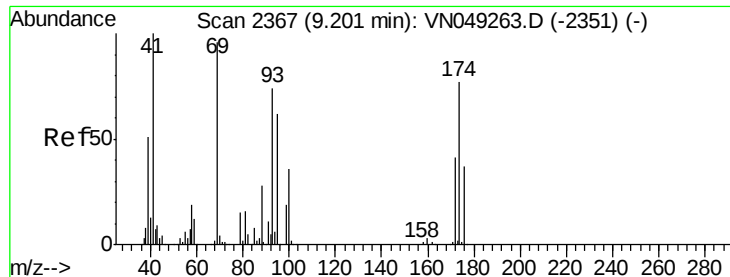


Abundance Ion 41.00 (40.70 to 41.70): VN049312.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049312.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049312.D (-2274) (-)





#49

1,4-Dioxane

Concen: 379.75 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampled :

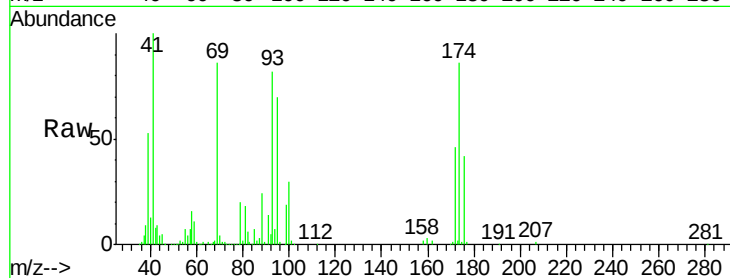
Tot Ion: 88 Resp: 62190

Ion Ratio Lower Upper

88 100

43 32.6 30.9 46.3

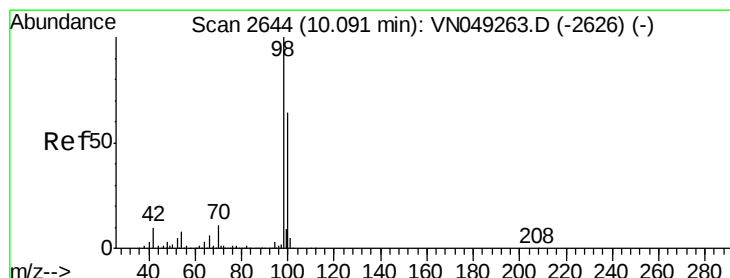
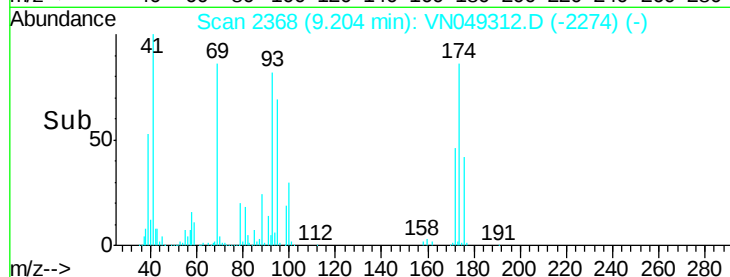
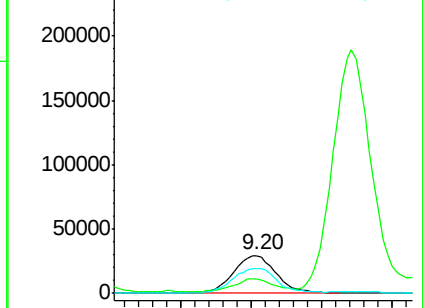
58 69.0 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VN049312.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049312.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049312.D (-2274) (-)



#50

Toluene-d8

Concen: 48.05 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049312.D

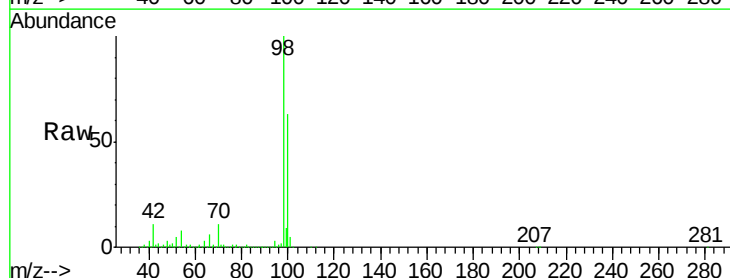
Acq: 16 Jun 2018 16:22

Tgt Ion: 98 Resp: 3133100

Ion Ratio Lower Upper

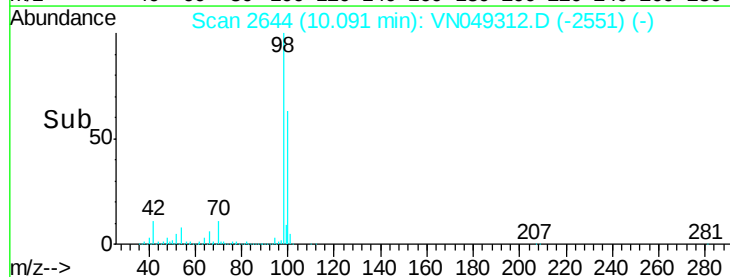
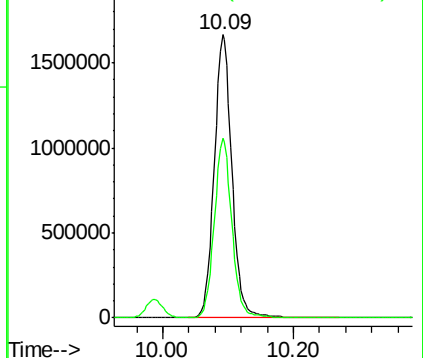
98 100

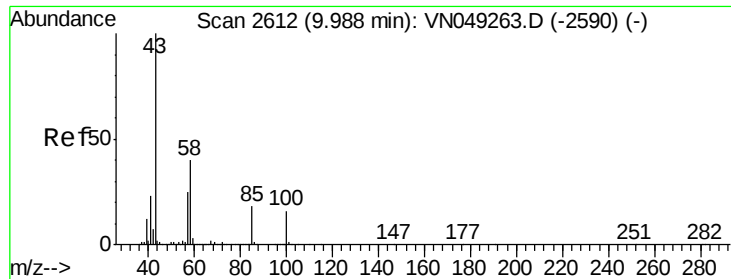
100 63.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049312.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049312.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.92 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

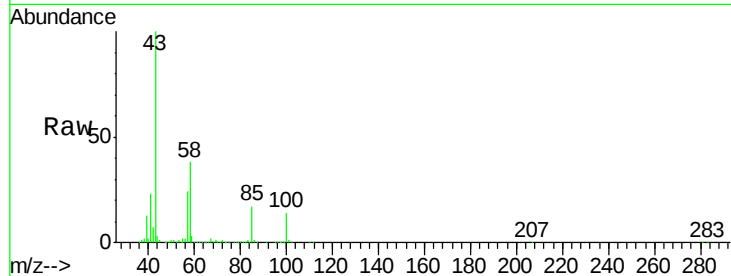
ClientSampled :

Tot Ion: 43 Resp: 1345995

Ion Ratio Lower Upper

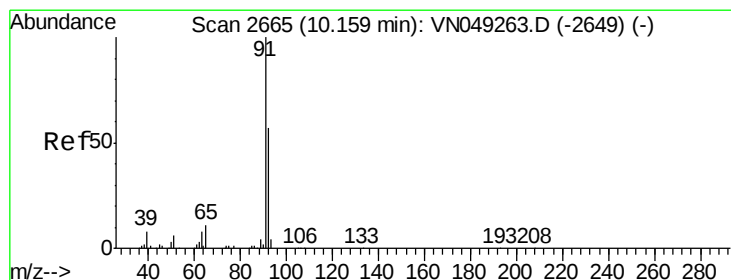
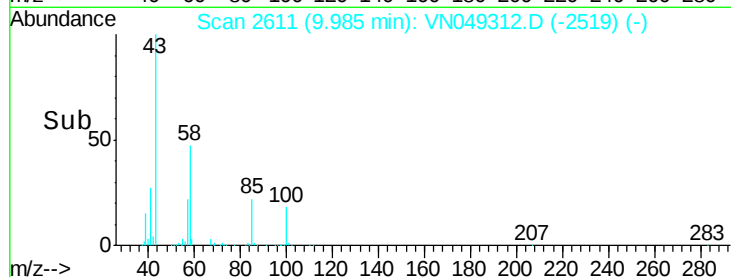
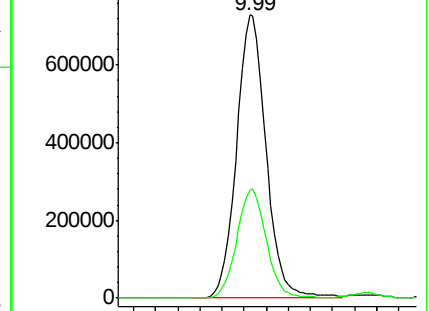
43 100

58 38.8 29.0 43.6



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

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



#52

Toluene

Concen: 20.27 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049312.D

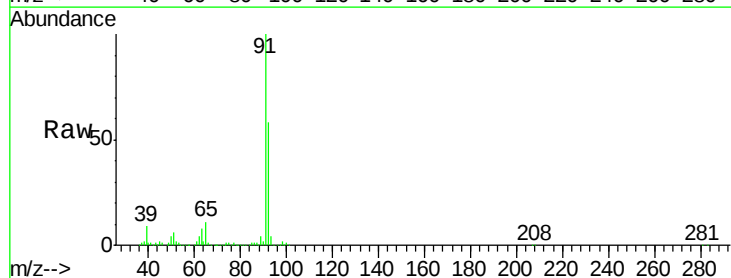
Acq: 16 Jun 2018 16:22

Tgt Ion: 92 Resp: 884660

Ion Ratio Lower Upper

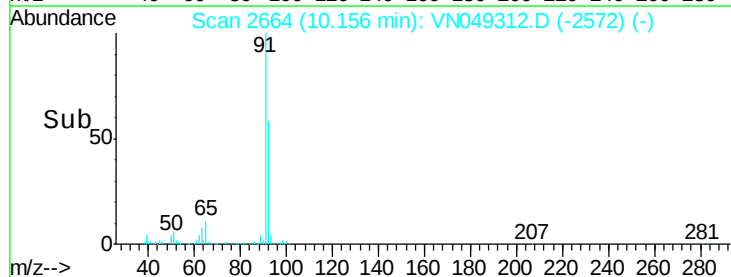
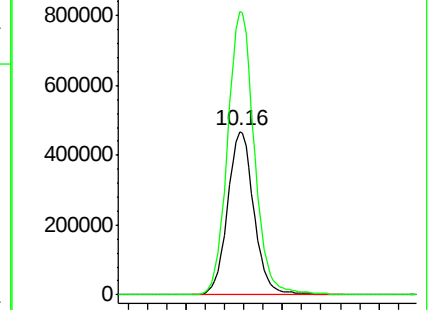
92 100

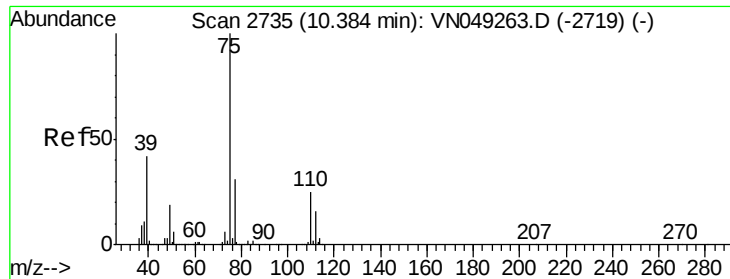
91 175.5 143.4 215.2



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

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





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

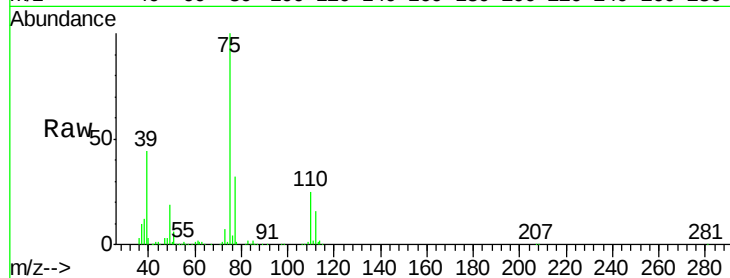
ClientSampled :

Tot Ion: 75 Resp: 458872

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

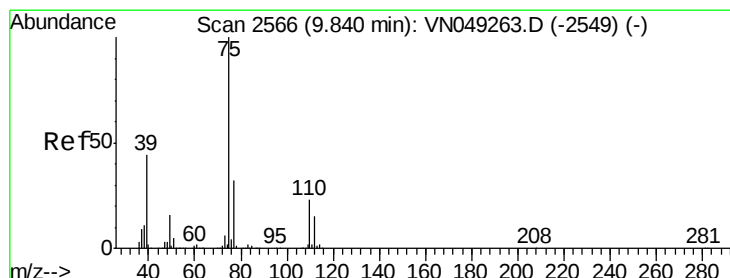
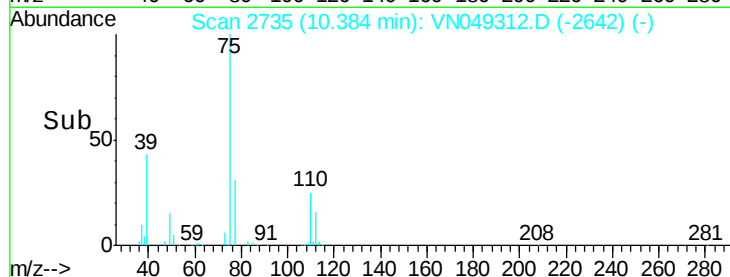
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

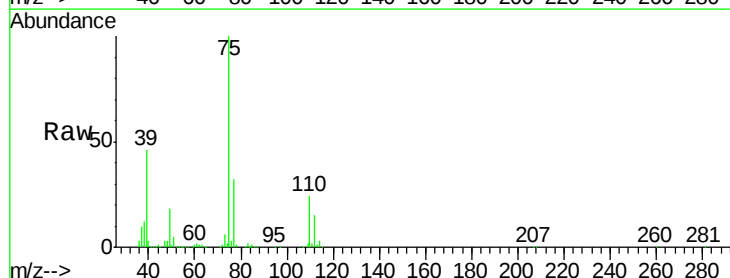
Tgt Ion: 75 Resp: 544935

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 46.3 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

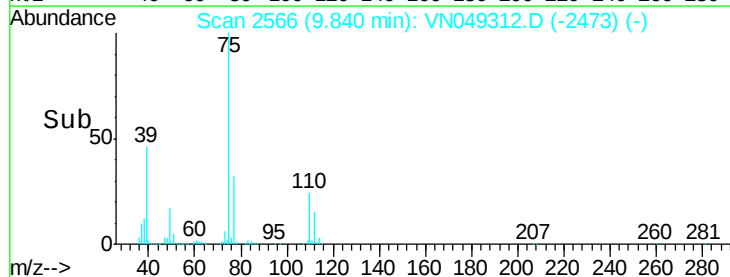
300000

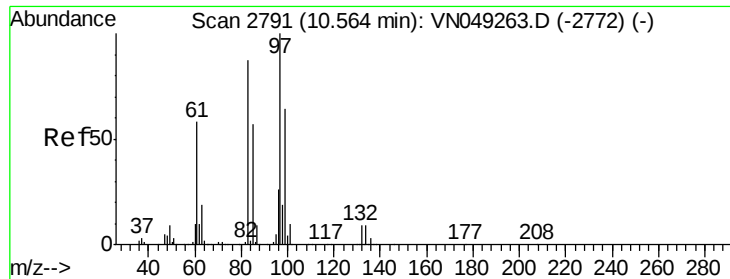
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.64 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

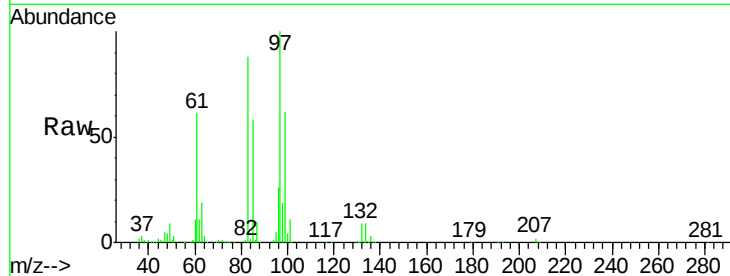
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 319608

Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.5	107.3
85	57.5	47.0	70.4
99	61.6	51.4	77.2



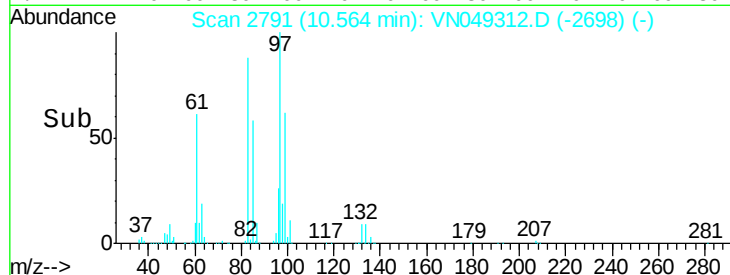
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

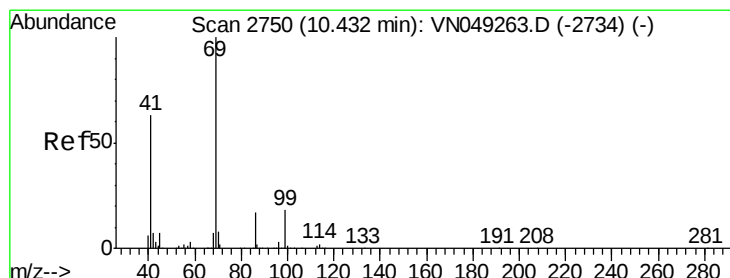
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->

10.56



#56

Ethyl methacrylate

Concen: 19.58 ug/l

RT: 10.43 min Scan# 2750

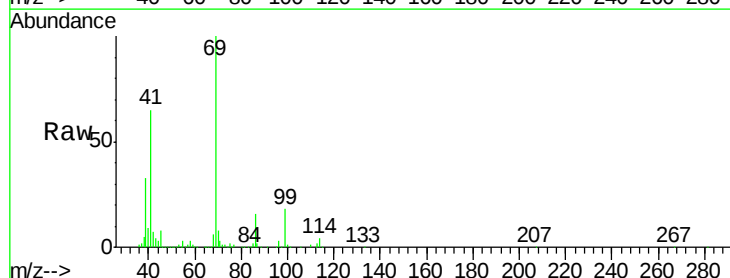
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion: 69 Resp: 367647

Ion	Ratio	Lower	Upper
69	100		
41	65.1	58.4	87.6
39	34.4	35.5	53.3#

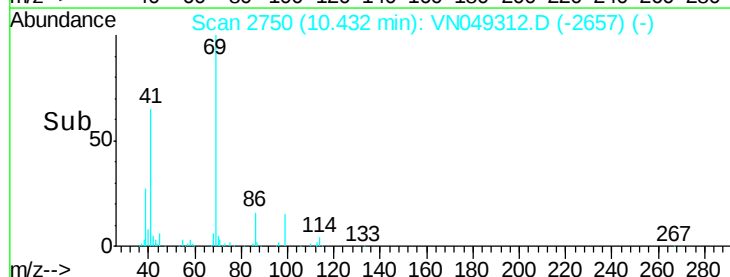


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

10.43



#57

1,3-Dichloropropane

Concen: 19.93 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

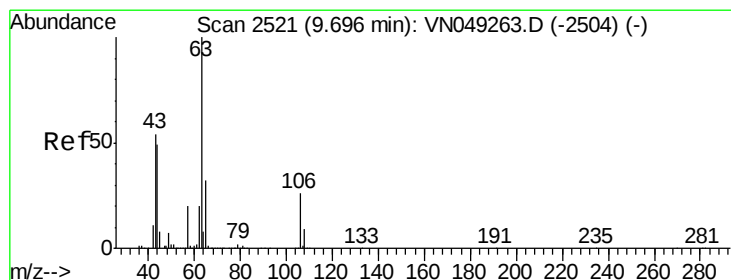
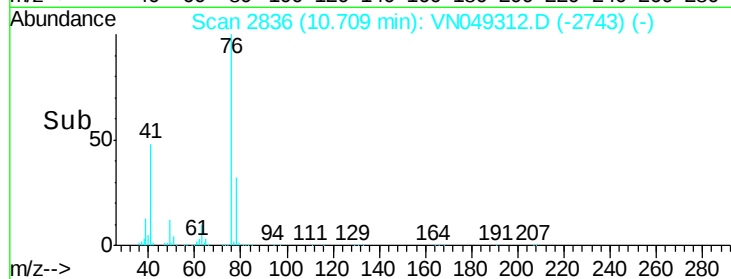
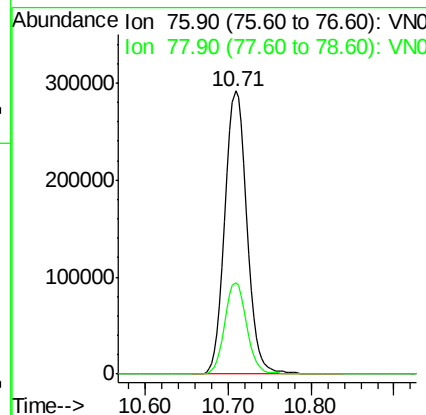
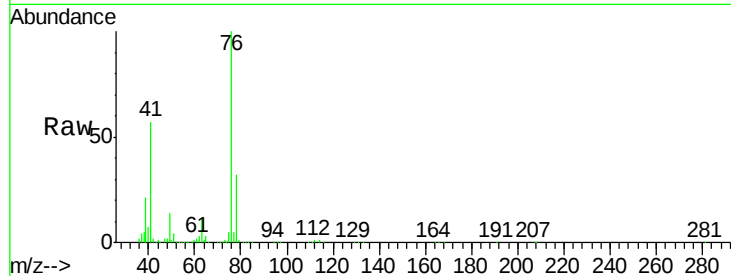
ClientSampleId :

Tot Ion: 76 Resp: 537113

Ion Ratio Lower Upper

76 100

78 32.0 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 90.66 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049312.D

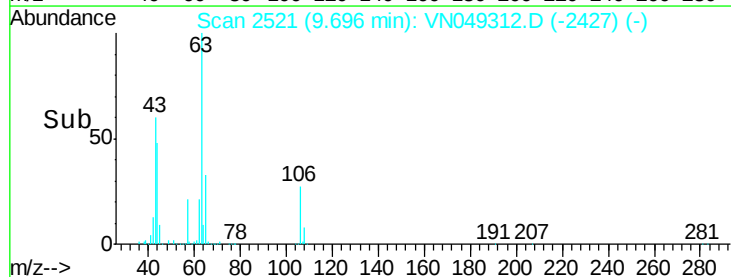
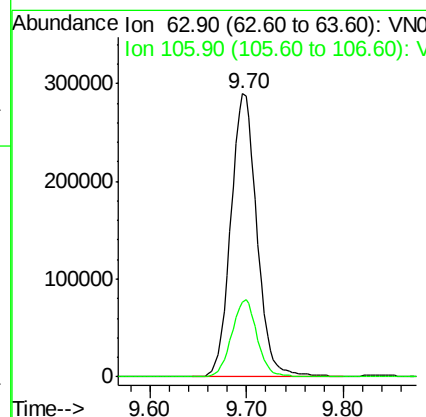
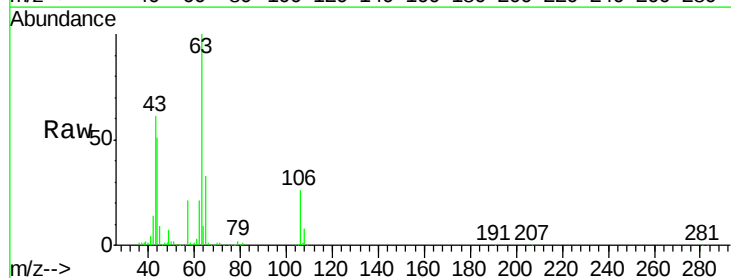
Acq: 16 Jun 2018 16:22

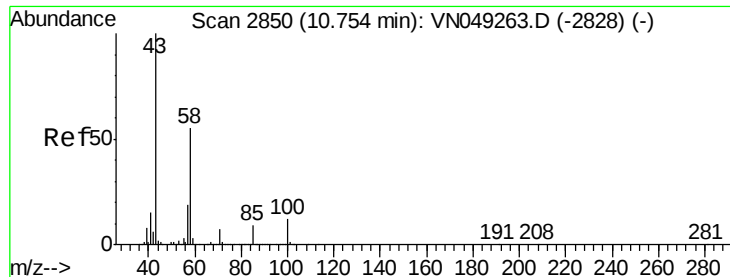
Tgt Ion: 63 Resp: 543406

Ion Ratio Lower Upper

63 100

106 26.6 19.4 29.2

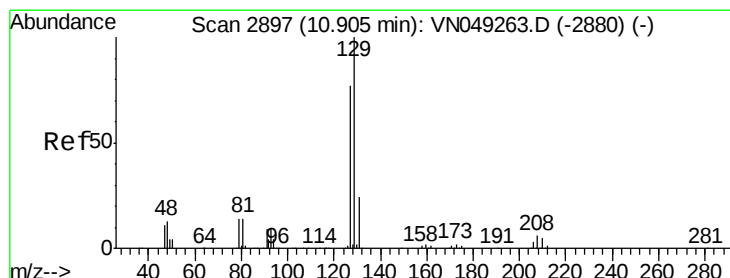
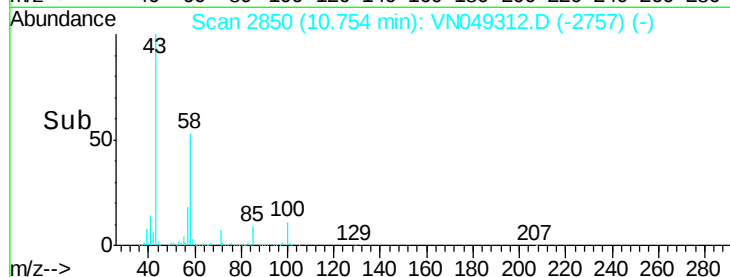
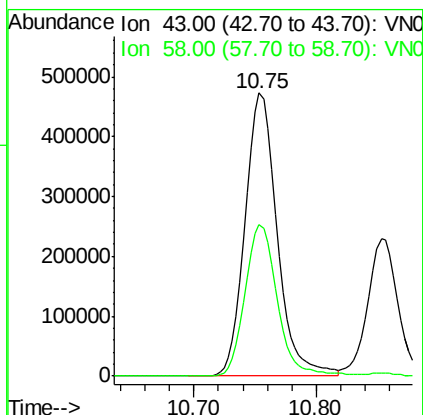
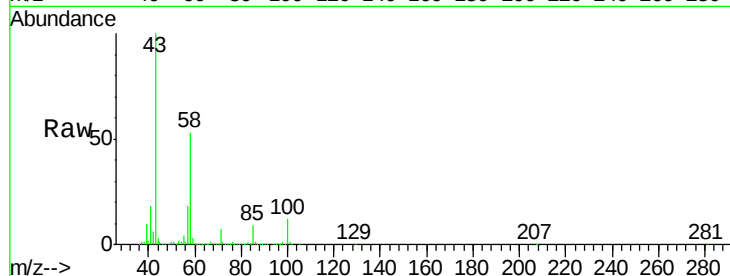




#59
2-Hexanone
Concen: 100.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

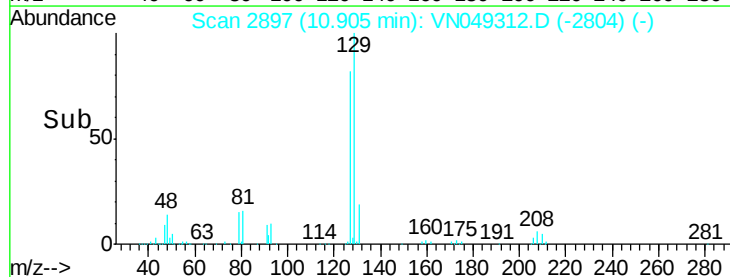
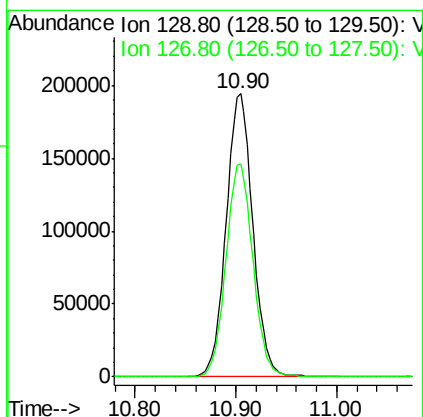
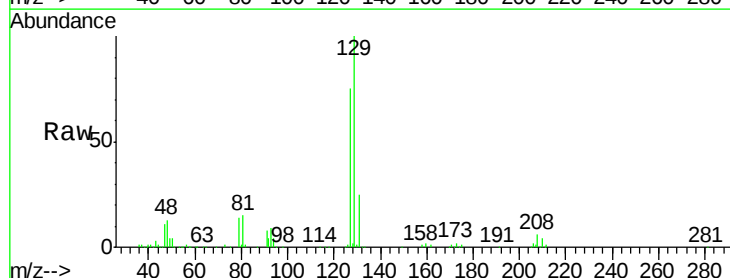
Instrument :
MSVOA_N
ClientSampleId :

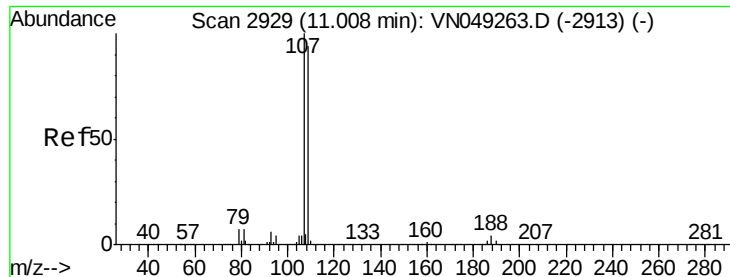
Tot Ion: 43 Resp: 851576
Ion Ratio Lower Upper
43 100
58 53.9 25.2 75.6



#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 129 Resp: 358674
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

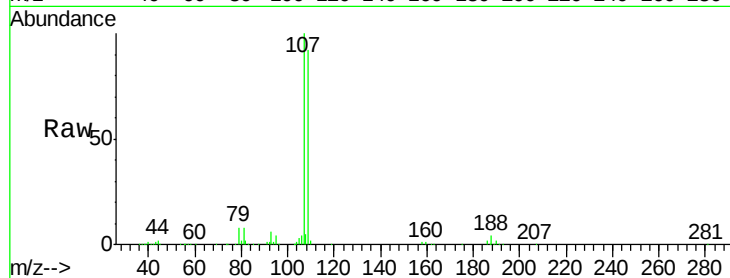
ClientSampleId :

Tot Ion:107 Resp: 297621

Ion Ratio Lower Upper

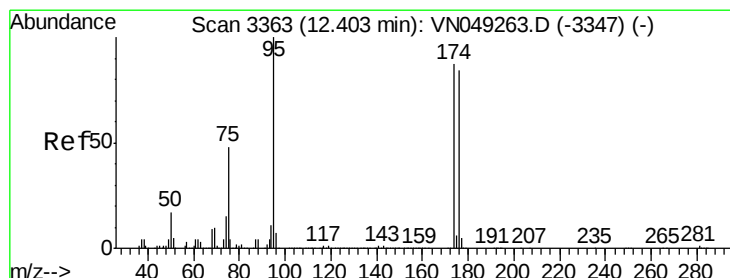
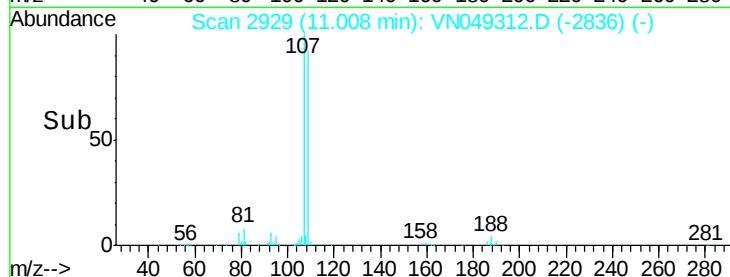
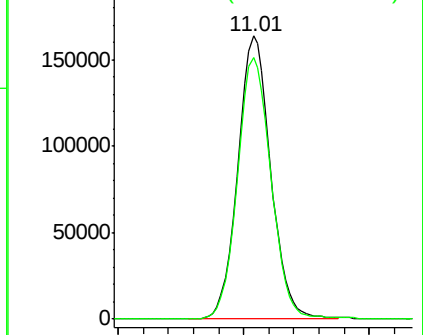
107 100

109 94.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

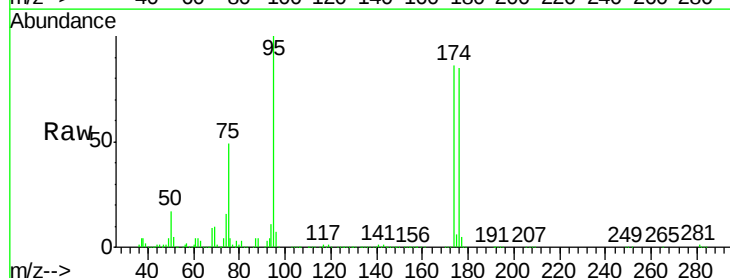
Tgt Ion: 95 Resp: 1015867

Ion Ratio Lower Upper

95 100

174 87.4 0.0 165.6

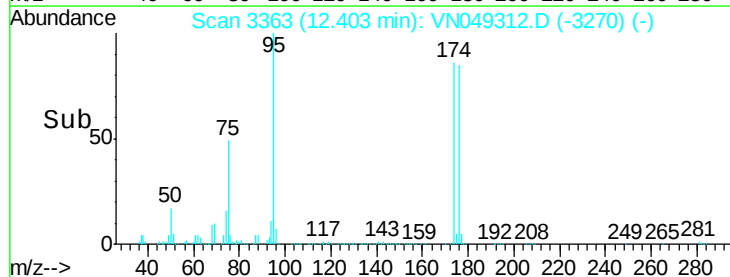
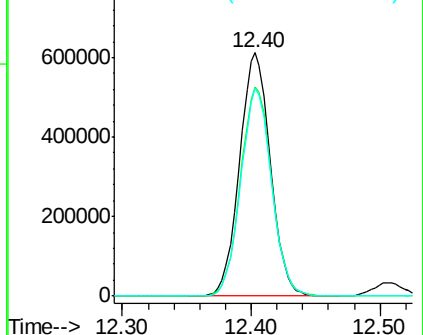
176 85.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

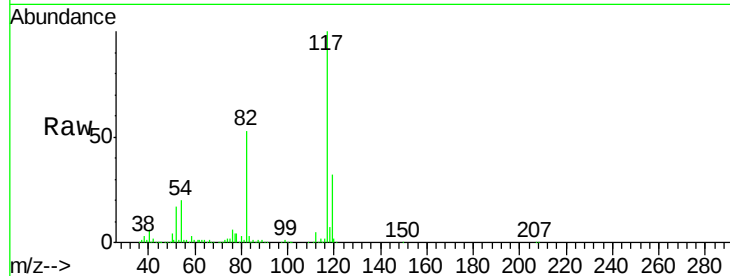
Tot Ion:117 Resp: 1923205

Ion Ratio Lower Upper

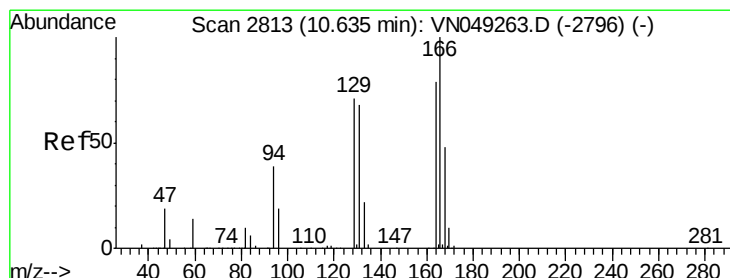
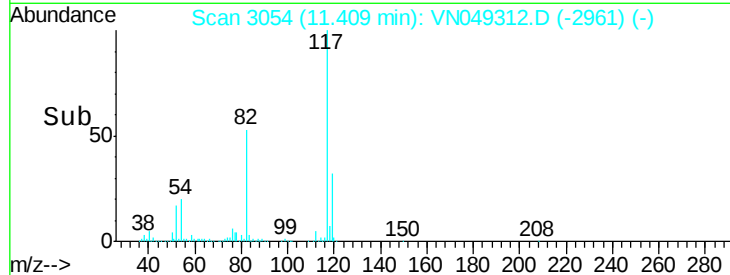
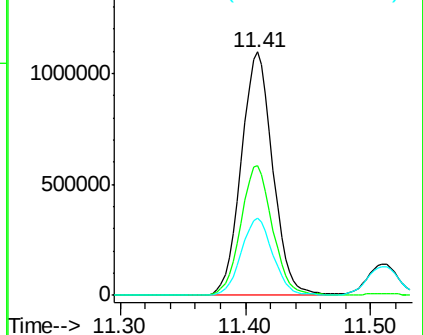
117 100

82 53.3 45.9 68.9

119 31.6 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: 20.68 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:164 Resp: 407613

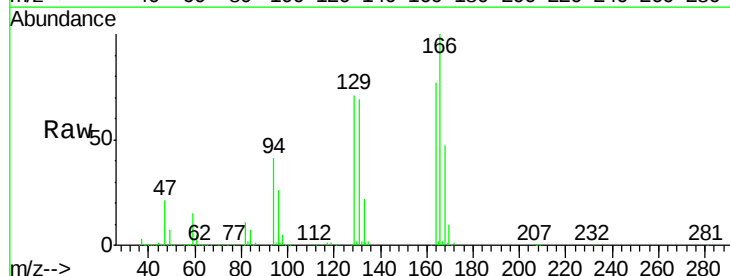
Ion Ratio Lower Upper

164 100

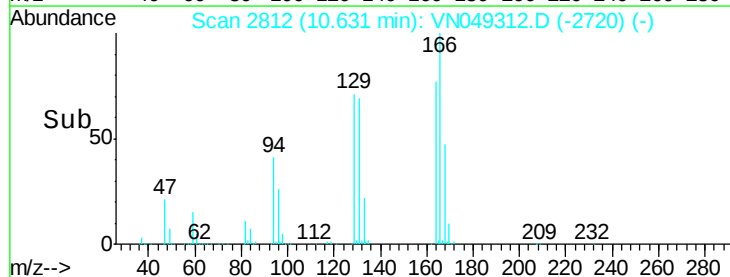
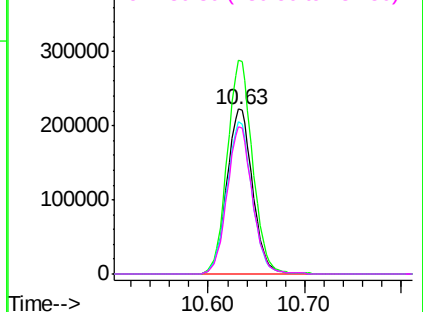
166 129.6 101.4 152.2

129 92.3 74.1 111.1

131 89.5 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: 19.14 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

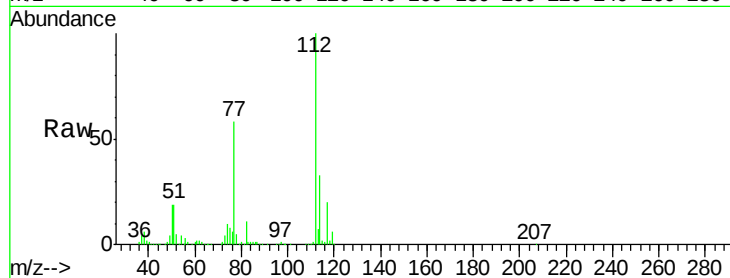
ClientSampled :

Tot Ion:112 Resp: 948207

Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

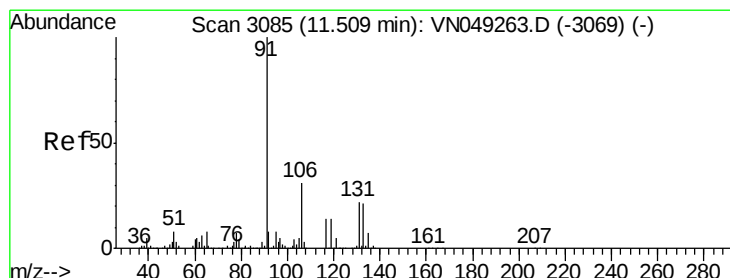
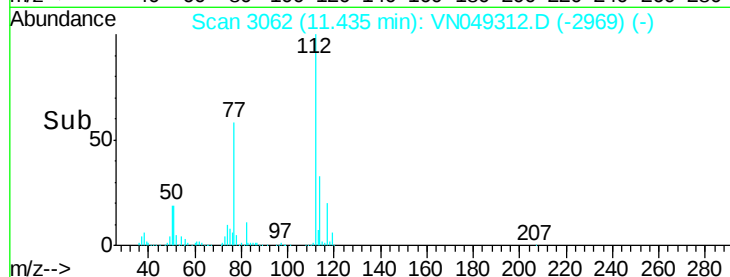
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

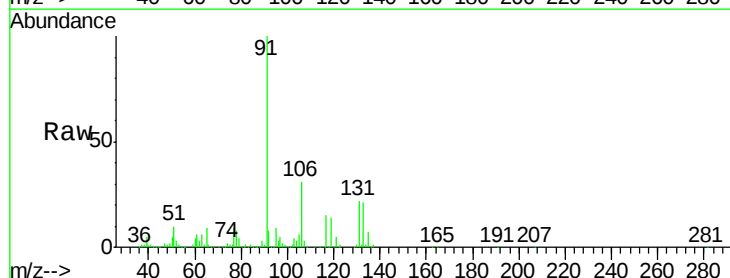
Tgt Ion:131 Resp: 357241

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.2

119 65.6 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

400000

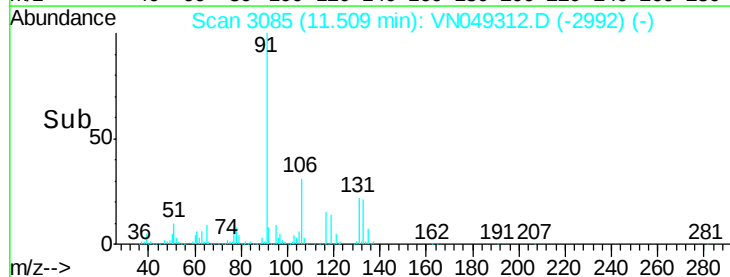
300000

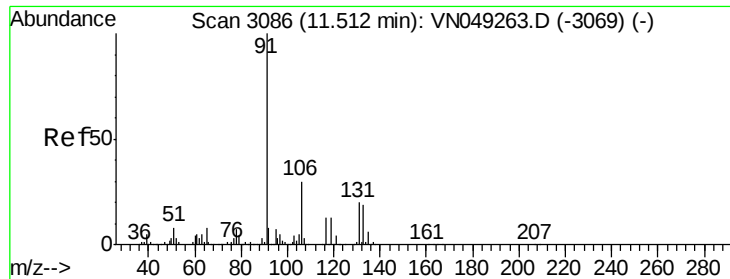
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 19.65 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

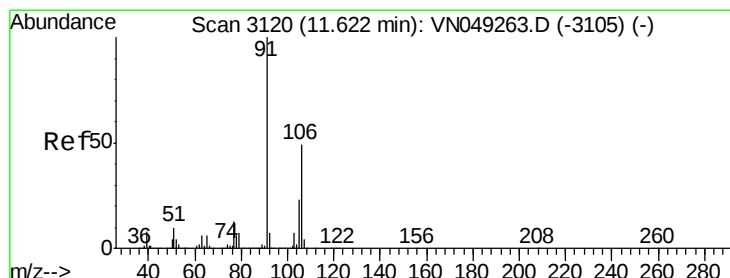
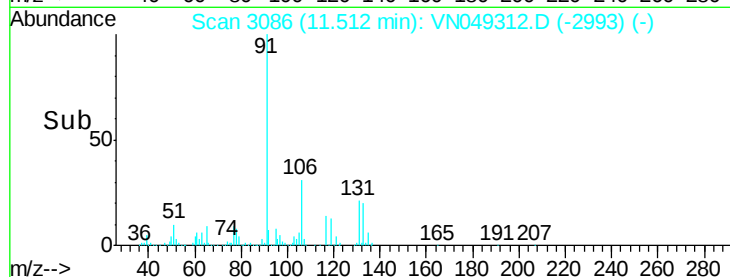
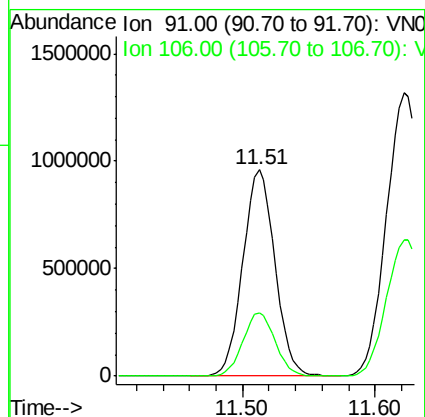
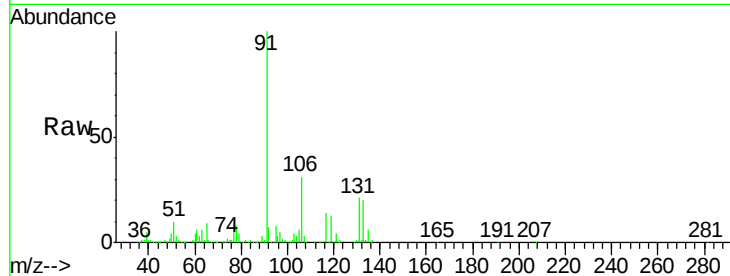
ClientSampled :

Tot Ion: 91 Resp: 1614503

Ion Ratio Lower Upper

91 100

106 30.8 23.9 35.9



#68

m/p-Xylenes

Concen: 40.20 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049312.D

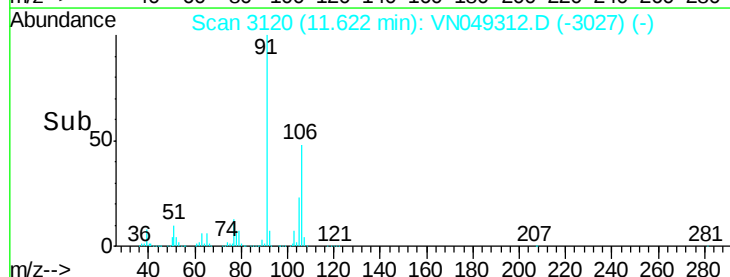
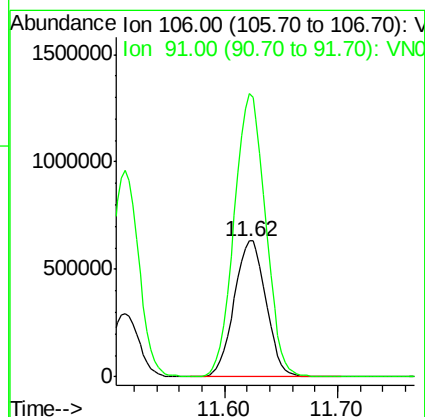
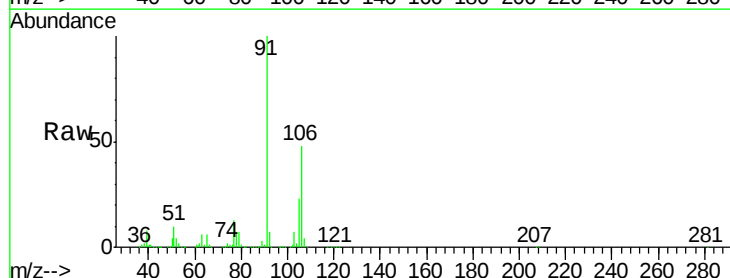
Acq: 16 Jun 2018 16:22

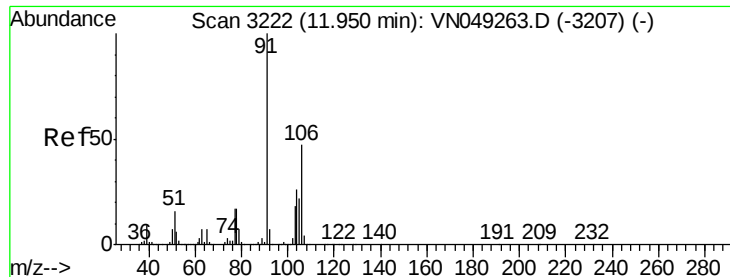
Tgt Ion: 106 Resp: 1239704

Ion Ratio Lower Upper

106 100

91 205.0 167.3 250.9





#69

o-Xylene

Concen: 19.97 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

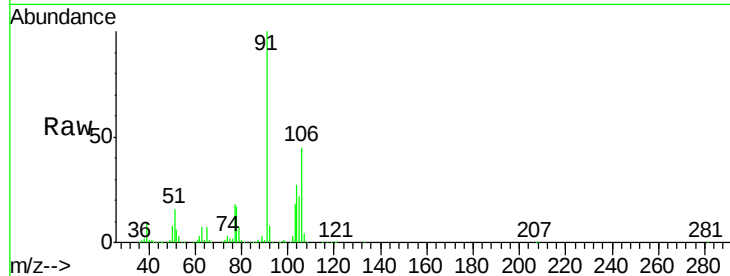
ClientSampled :

Tot Ion:106 Resp: 593233

Ion Ratio Lower Upper

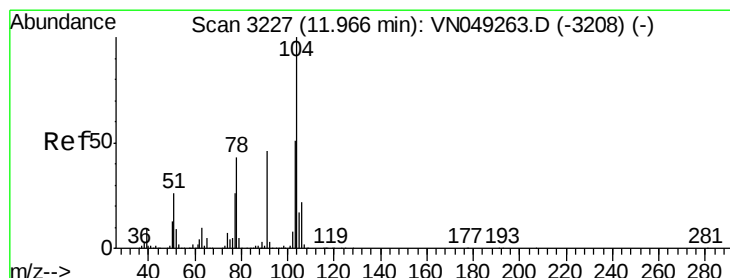
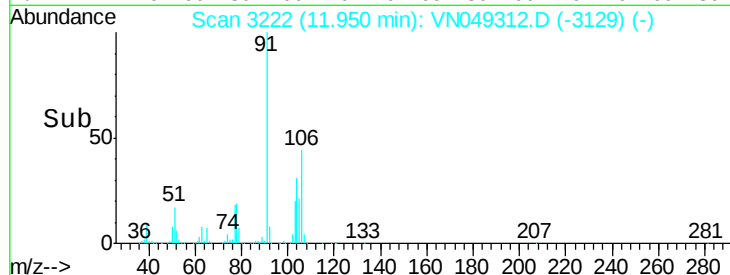
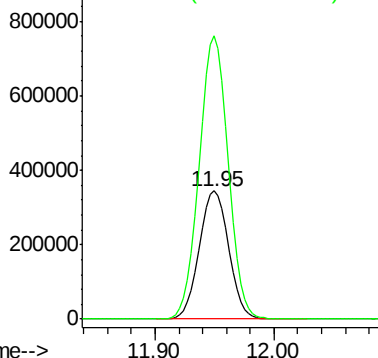
106 100

91 216.6 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 20.21 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

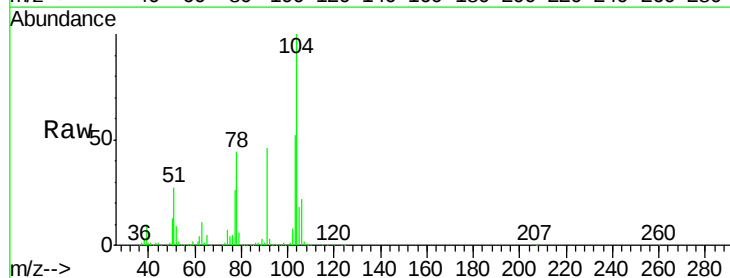
Tgt Ion:104 Resp: 946960

Ion Ratio Lower Upper

104 100

78 49.4 41.6 62.4

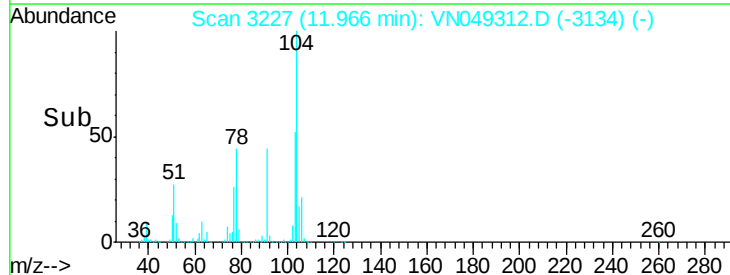
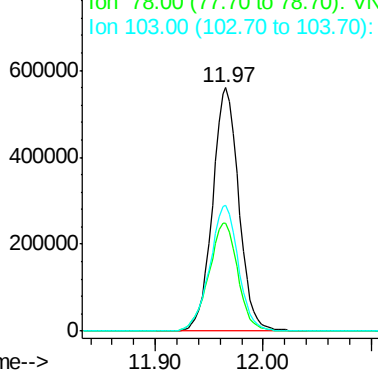
103 56.3 45.4 68.2

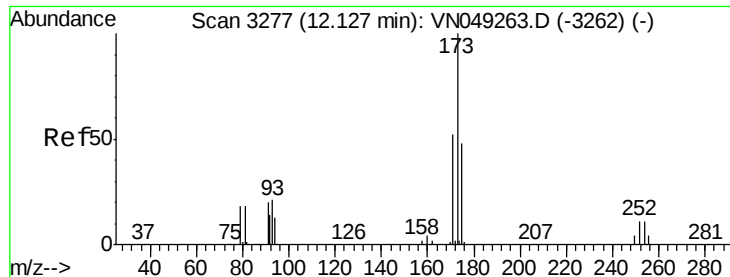


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.35 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

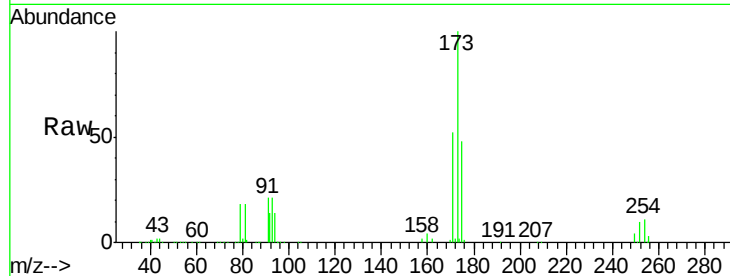
Tot Ion:173 Resp: 233568

Ion Ratio Lower Upper

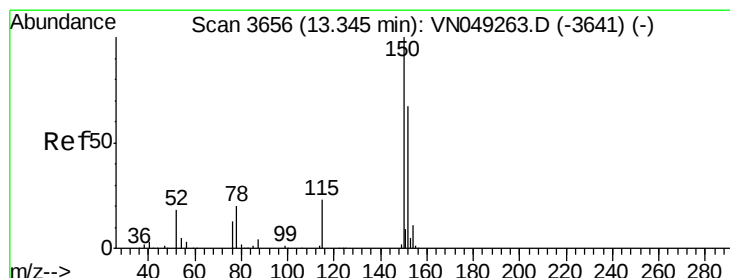
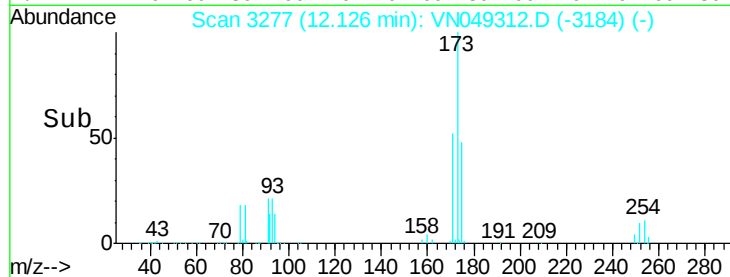
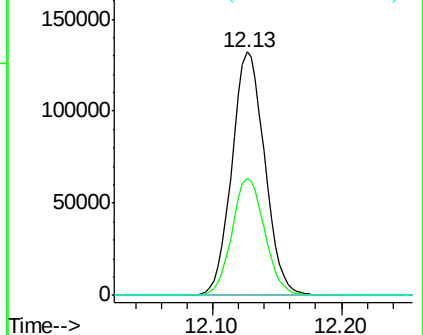
173 100

175 47.9 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: VN049312.D

Acq: 16 Jun 2018 16:22

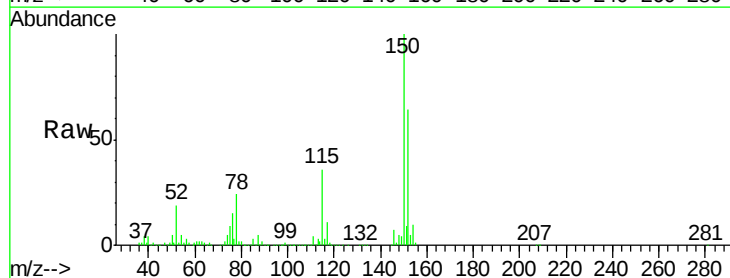
Tgt Ion:152 Resp: 910980

Ion Ratio Lower Upper

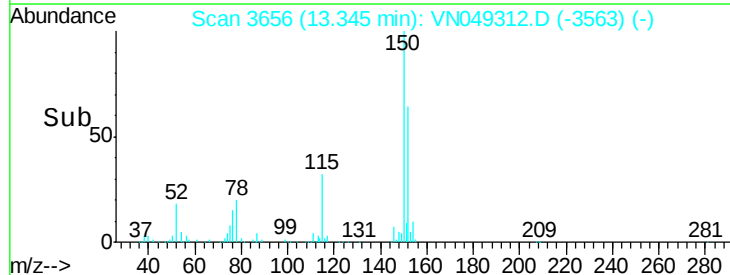
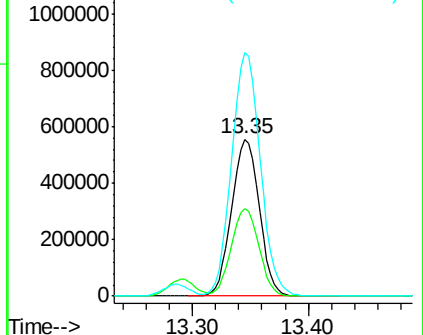
152 100

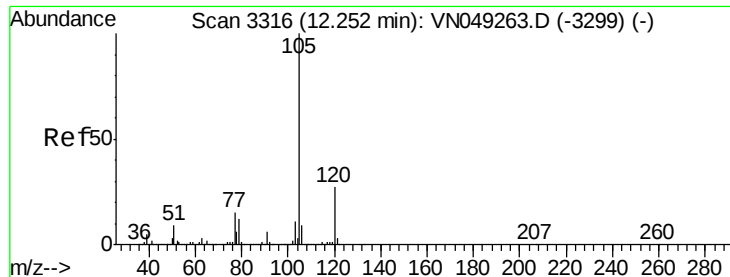
115 56.2 28.7 86.1

150 162.0 0.0 351.0



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





#73

Isopropylbenzene

Concen: 19.90 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

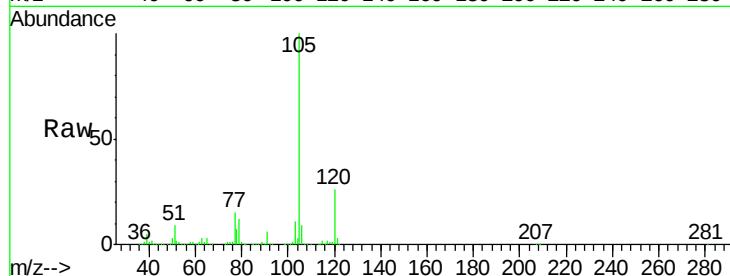
ClientSampled :

Tot Ion:105 Resp: 1591629

Ion Ratio Lower Upper

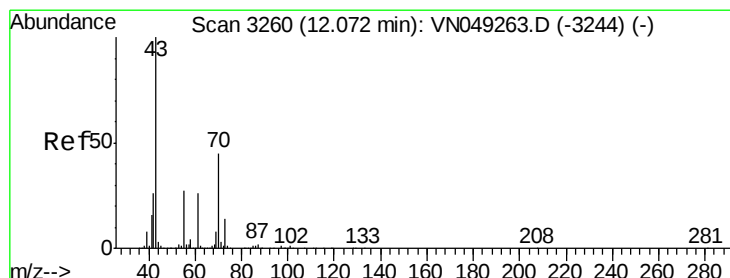
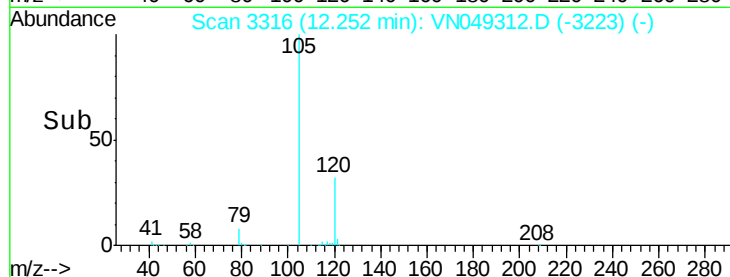
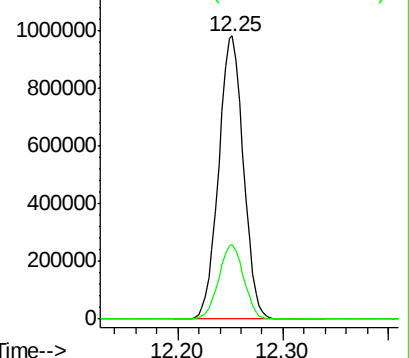
105 100

120 26.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.35 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion: 43 Resp: 359557

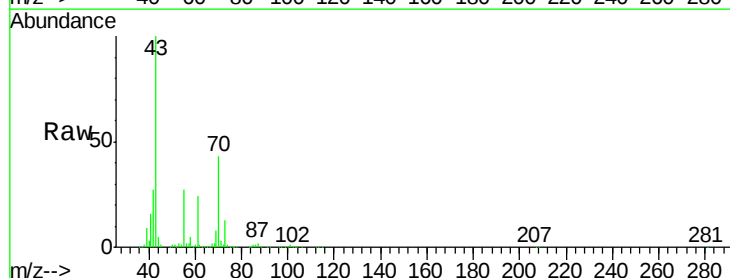
Ion Ratio Lower Upper

43 100

70 43.6 30.3 45.5

55 27.1 19.4 29.2

61 24.0 17.8 26.6

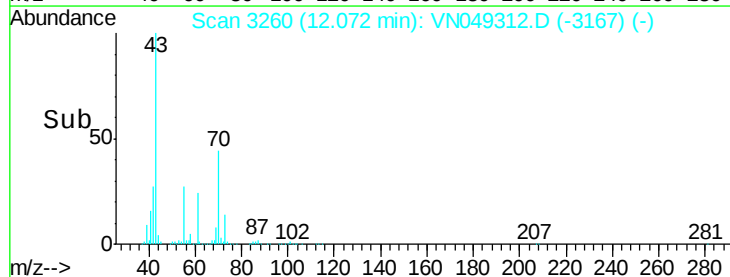
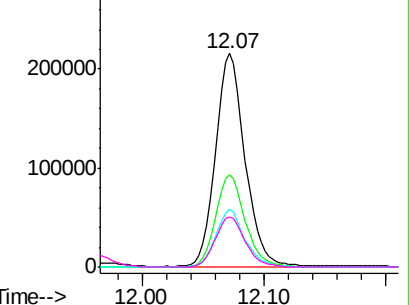


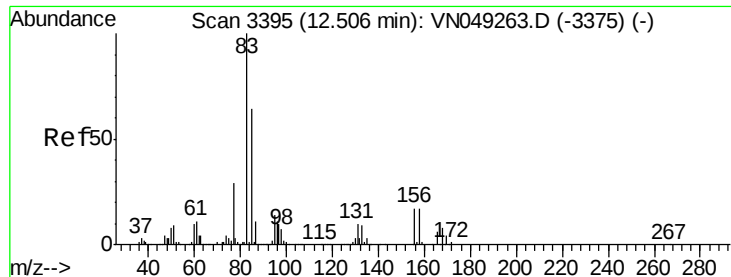
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.07 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

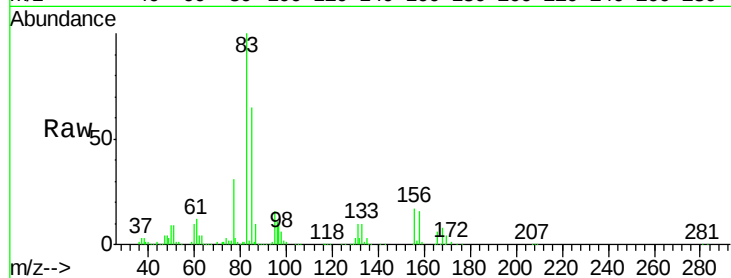
Tot Ion: 83 Resp: 367982

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 63.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049312.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049312.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049312.D (-3301) (-)

12.51

250000

200000

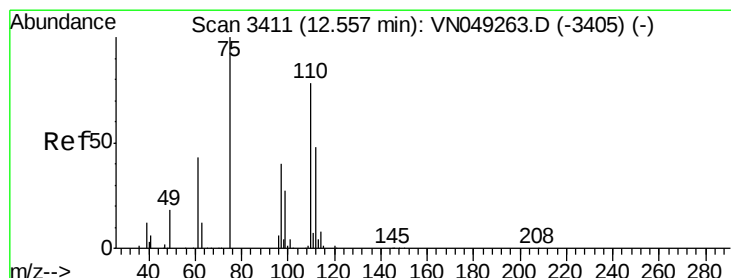
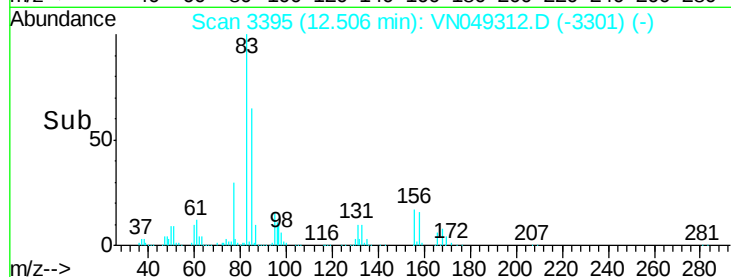
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.16 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049312.D

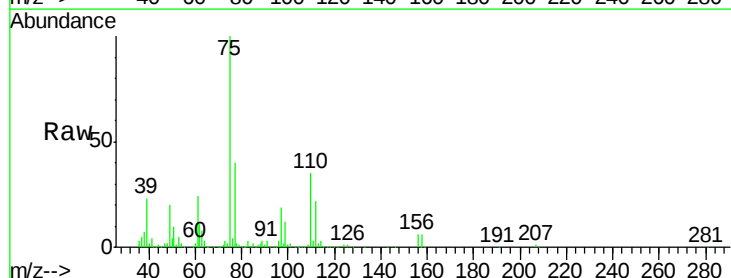
Acq: 16 Jun 2018 16:22

Tgt Ion: 75 Resp: 453214

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049312.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049312.D (-3318) (-)

400000

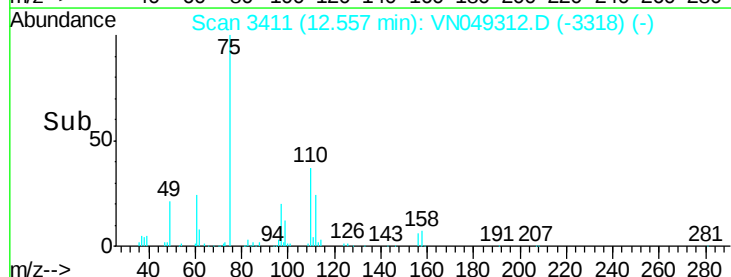
300000

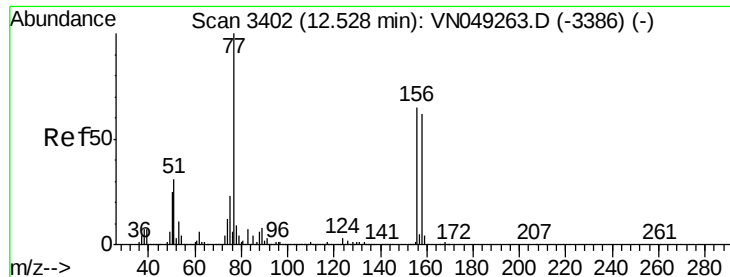
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

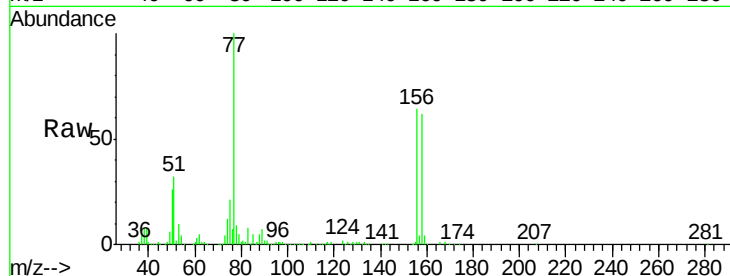
Tot Ion:156 Resp: 400199

Ion Ratio Lower Upper

156 100

77 182.4 100.8 302.4

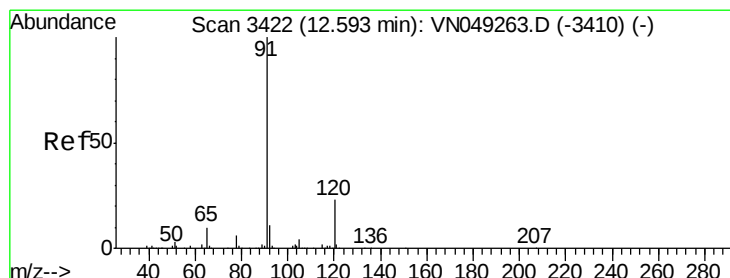
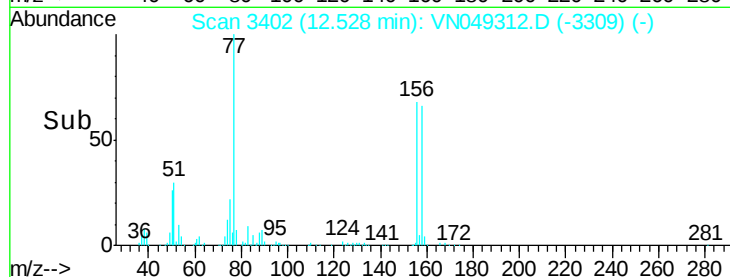
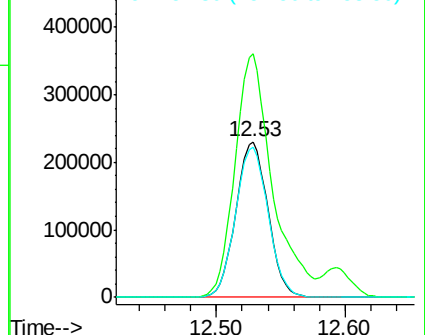
158 98.1 49.3 147.9



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: 20.25 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049312.D

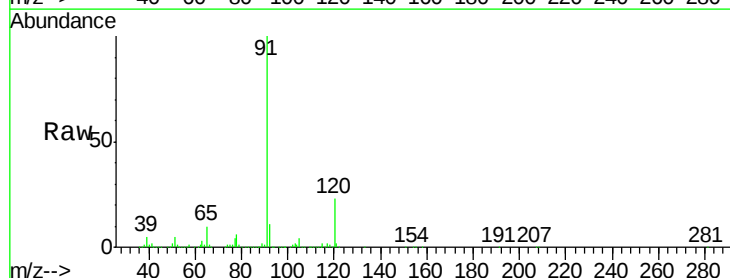
Acq: 16 Jun 2018 16:22

Tgt Ion: 91 Resp: 1778637

Ion Ratio Lower Upper

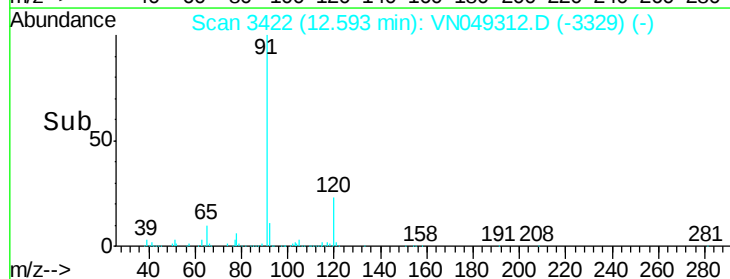
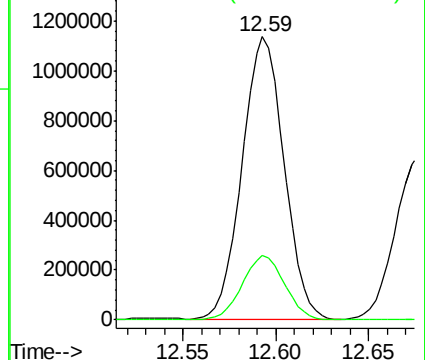
91 100

120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

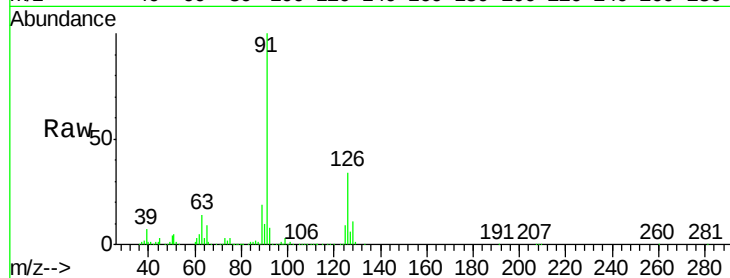
ClientSampleId :

Tot Ion: 91 Resp: 1099800

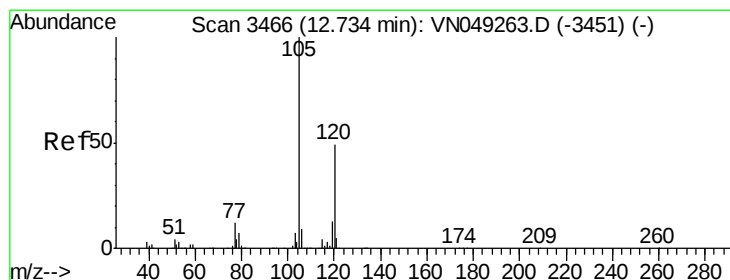
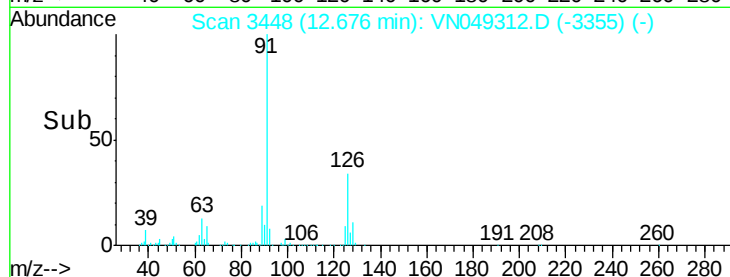
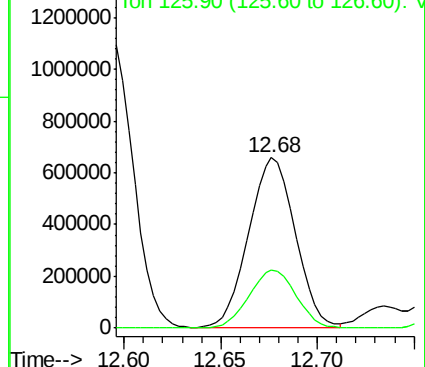
Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049312.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049312.D

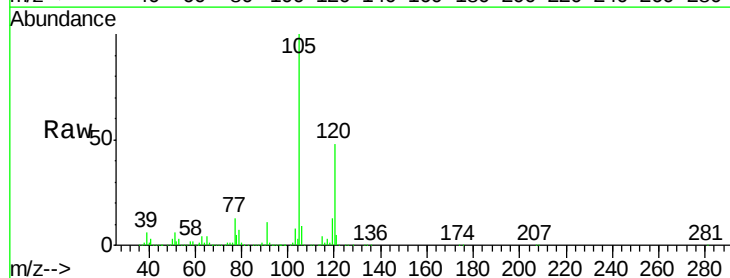
Acq: 16 Jun 2018 16:22

Tgt Ion: 105 Resp: 1296496

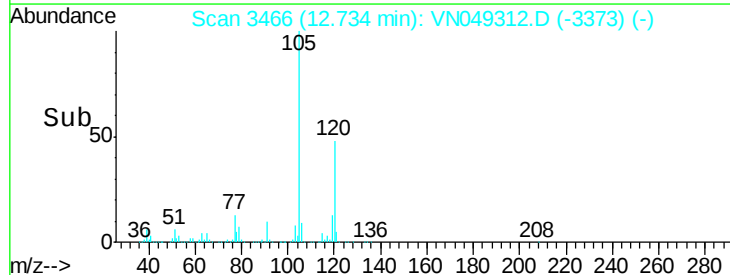
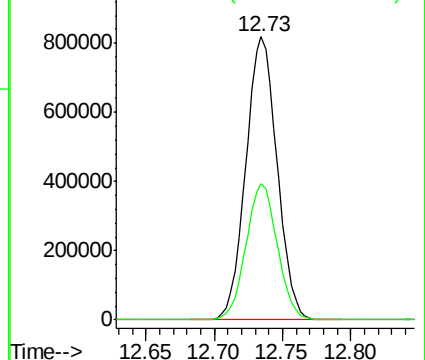
Ion Ratio Lower Upper

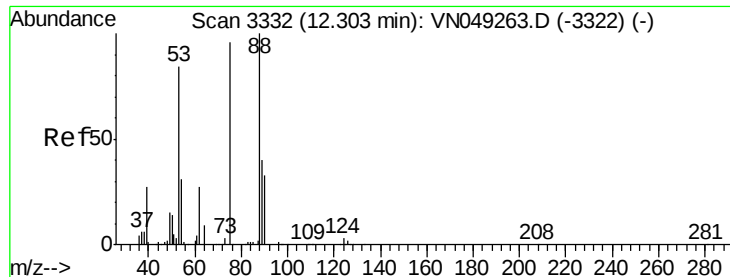
105 100

120 48.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049312.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.34 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

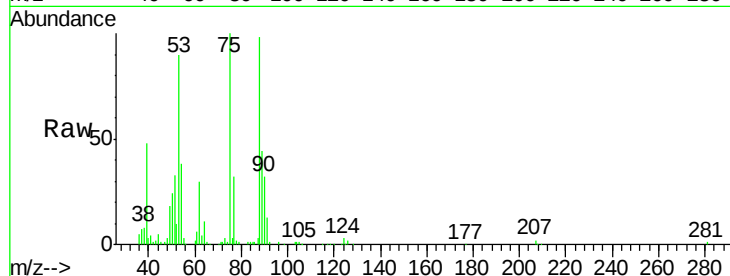
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 90197

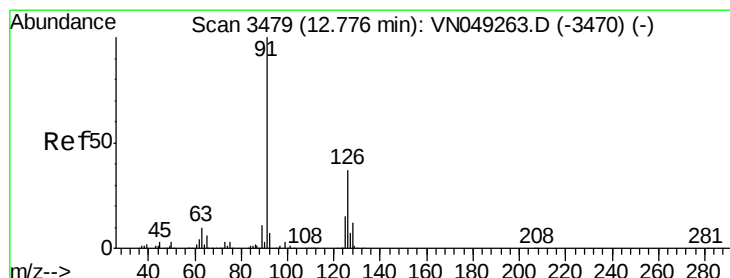
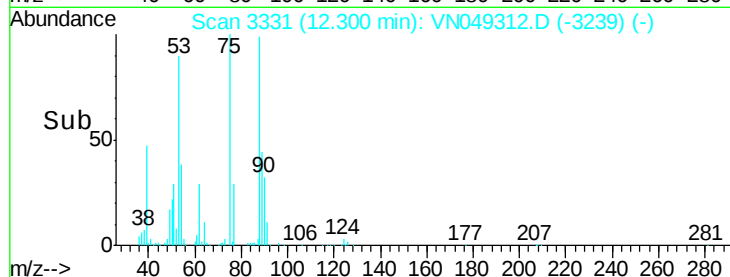
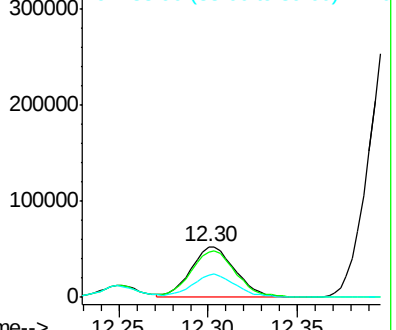
Ion	Ratio	Lower	Upper
75	100		
53	93.5	82.7	124.1
89	45.6	36.5	54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.99 ug/l

RT: 12.77 min Scan# 3478

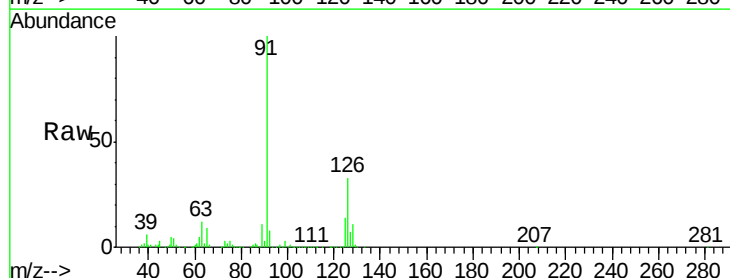
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

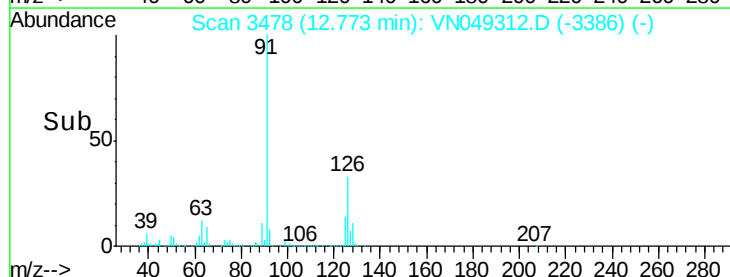
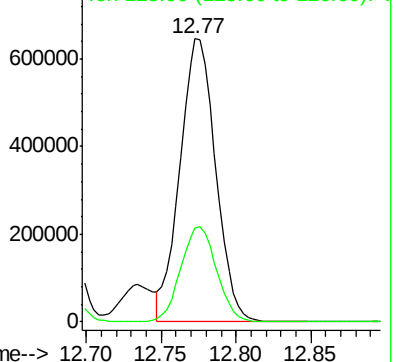
Tgt Ion: 91 Resp: 1073379

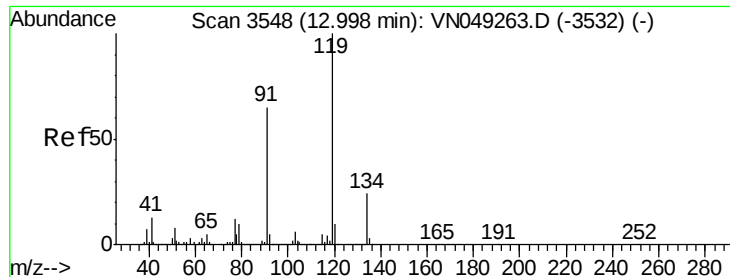
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.80 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

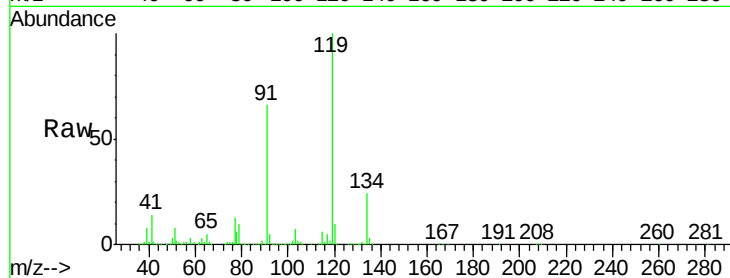
Tot Ion:119 Resp: 1103043

Ion Ratio Lower Upper

119 100

91 64.1 33.7 101.0

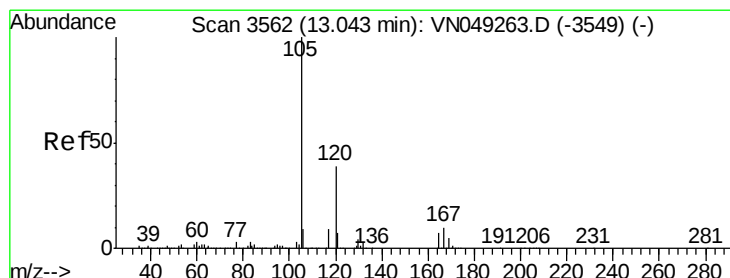
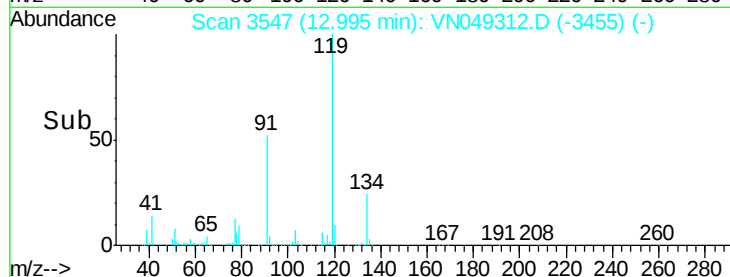
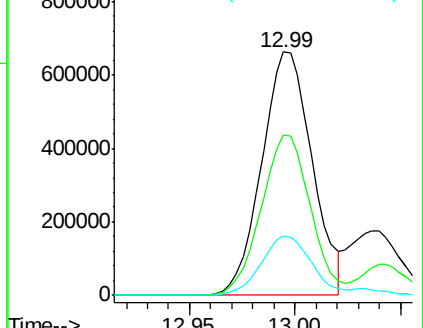
134 24.4 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.80 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049312.D

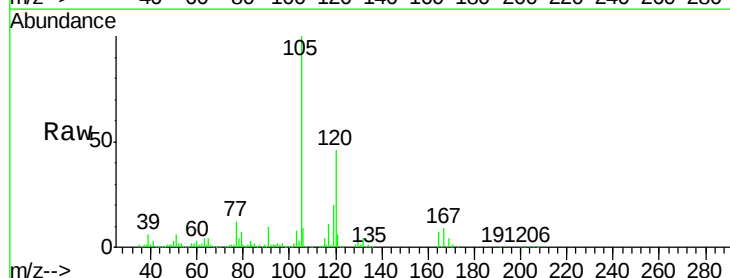
Acq: 16 Jun 2018 16:22

Tgt Ion:105 Resp: 1299003

Ion Ratio Lower Upper

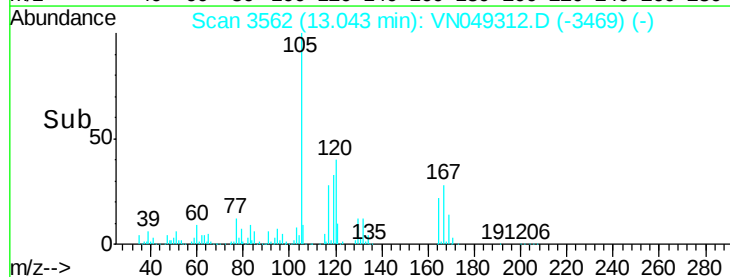
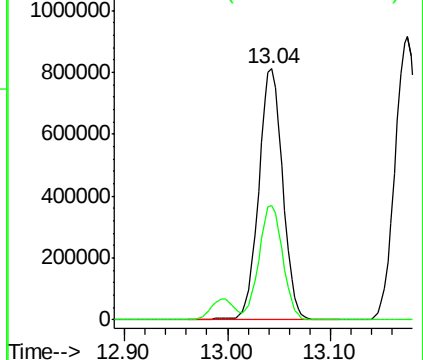
105 100

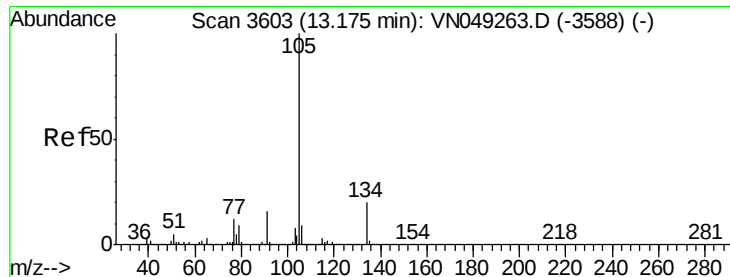
120 45.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.82 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

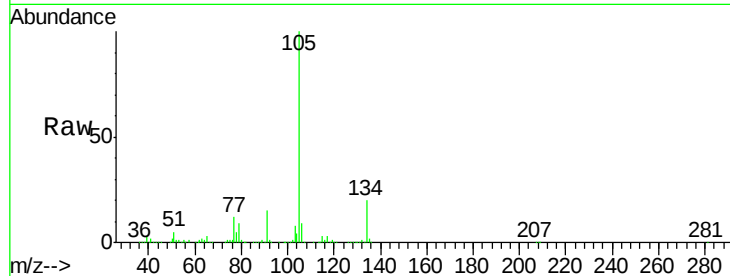
ClientSampleId :

Tot Ion:105 Resp: 1469275

Ion Ratio Lower Upper

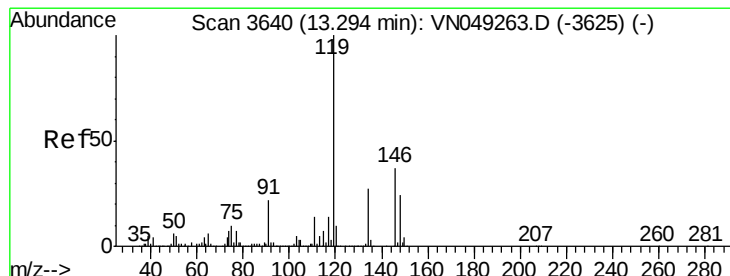
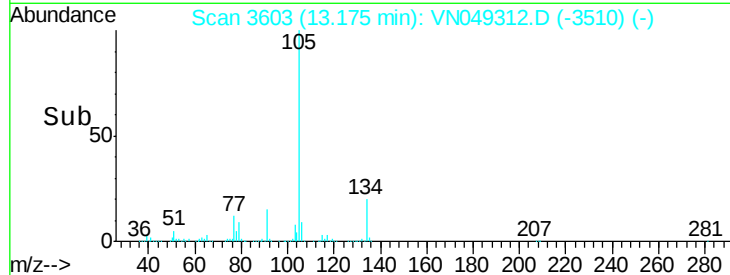
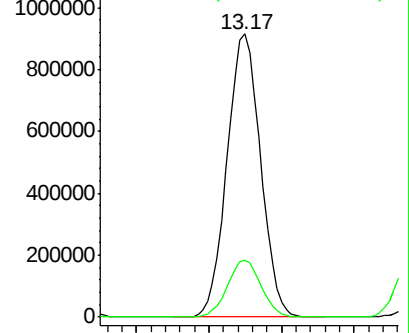
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.12 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

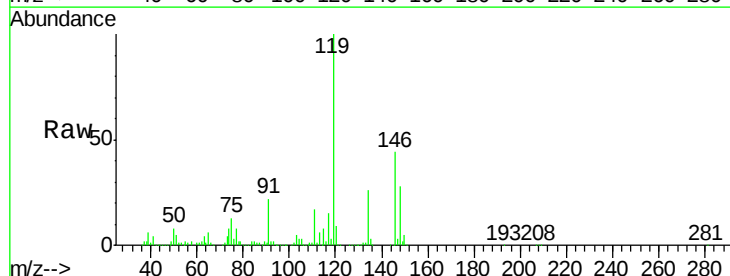
Tgt Ion:119 Resp: 1246201

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

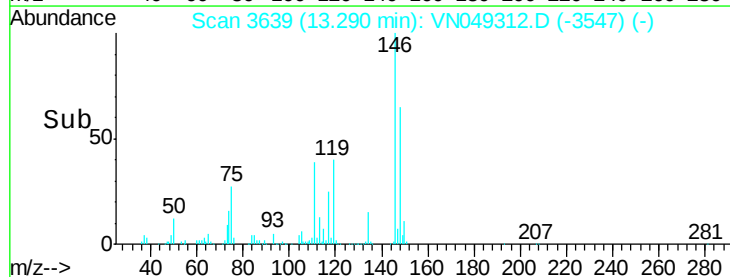
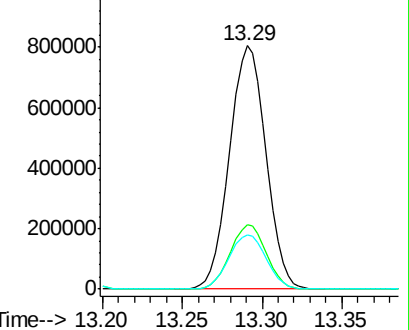
91 22.8 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

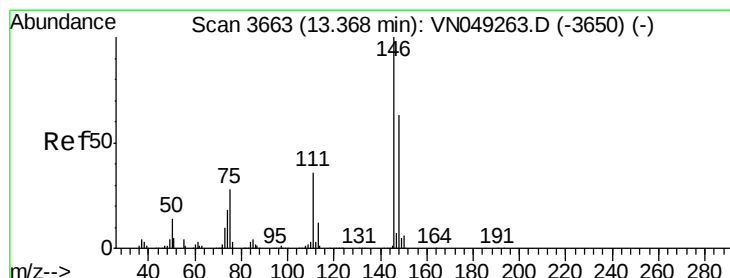
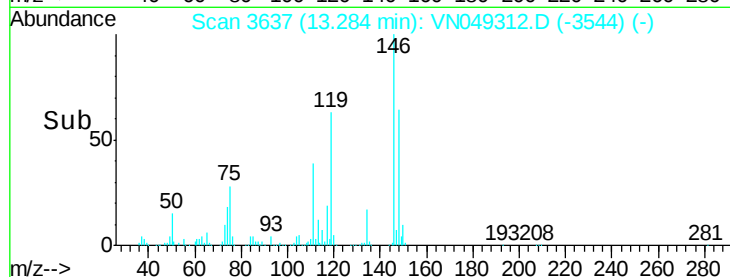
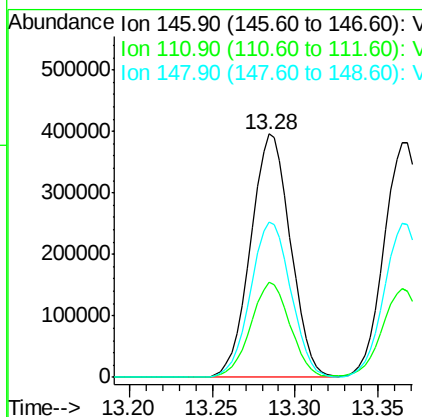
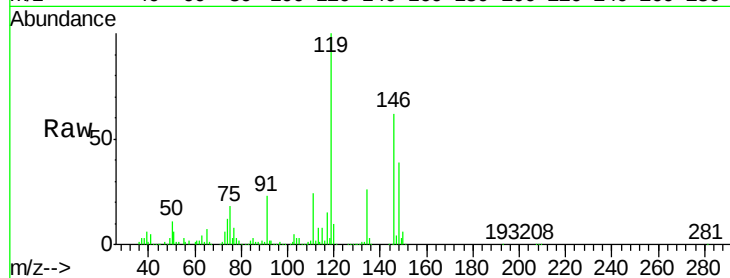




#87
 1,3-Dichlorobenzene
 Concen: 19.02 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

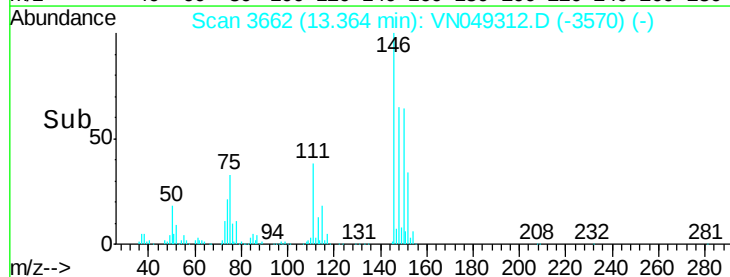
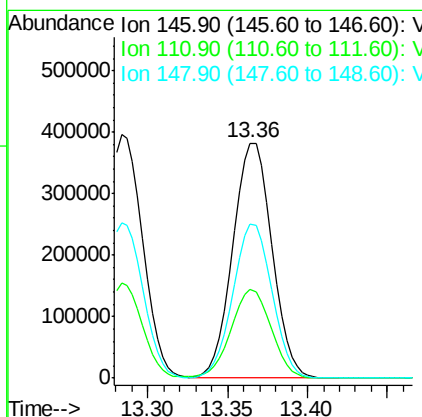
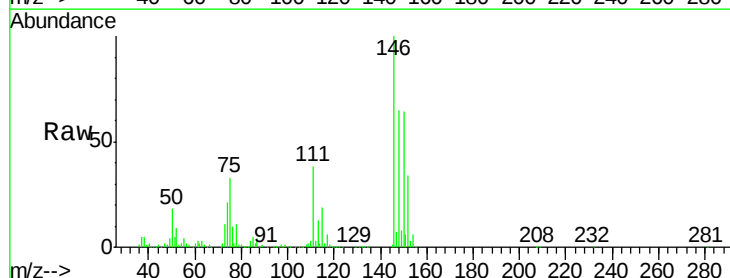
Instrument :
 MSVOA_N
 ClientSampleId :

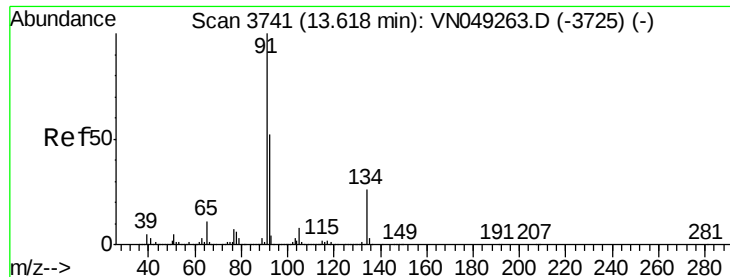
Tot Ion:146 Resp: 661044
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.9 59.6
 148 64.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.50 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion:146 Resp: 637178
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.1
 148 65.3 32.0 96.2

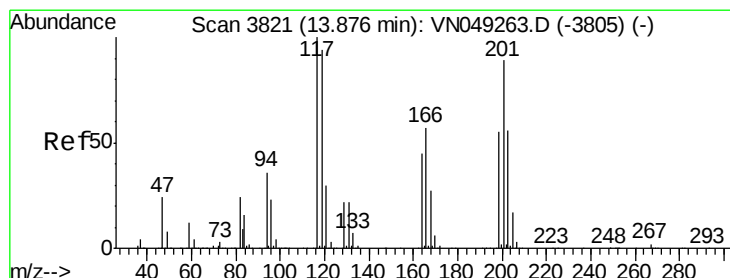
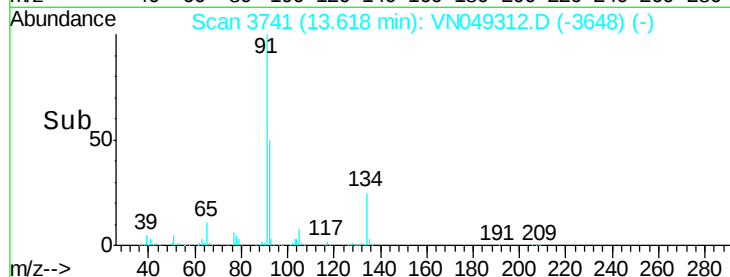
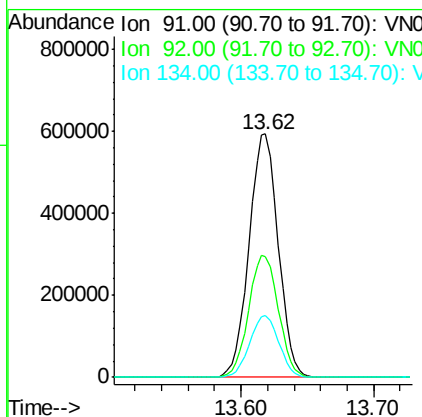
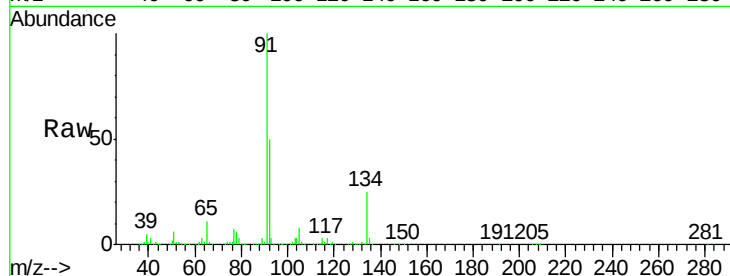




#89
n-Butylbenzene
Concen: 18.76 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

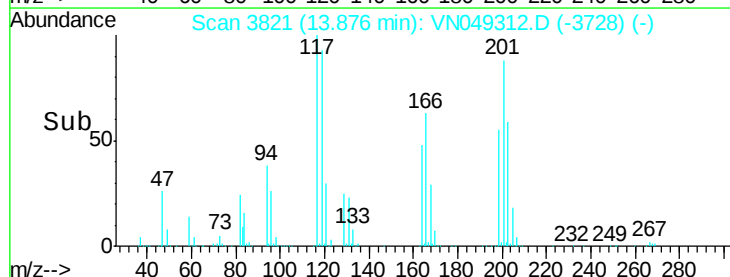
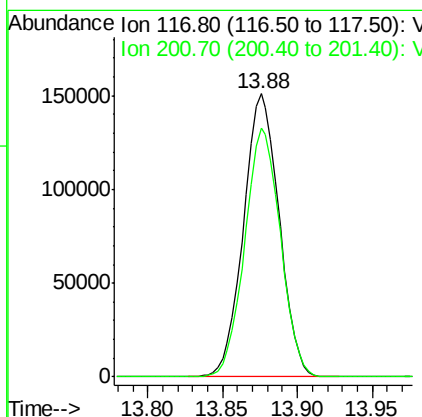
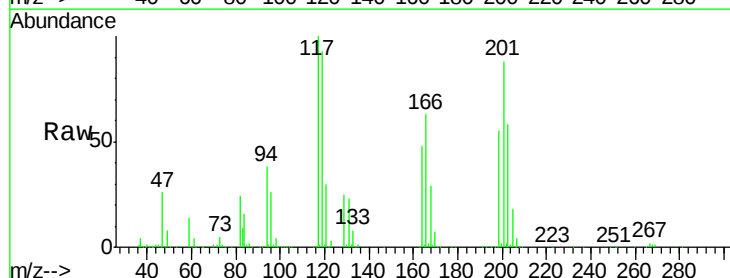
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.1	75.4
134	25.5	12.0	36.0



#90
Hexachloroethane
Concen: 20.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 19.14 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

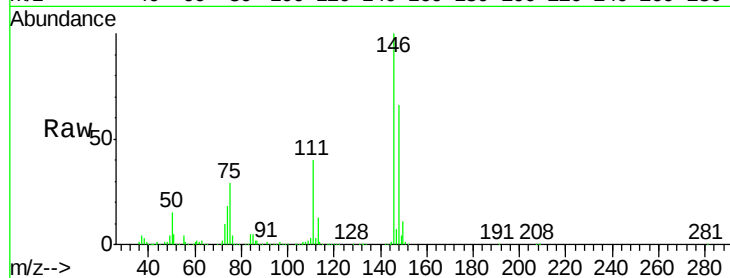
Tot Ion:146 Resp: 652457

Ion Ratio Lower Upper

146 100

111 40.3 20.8 62.2

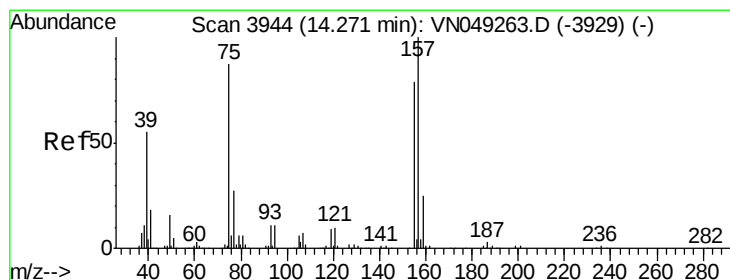
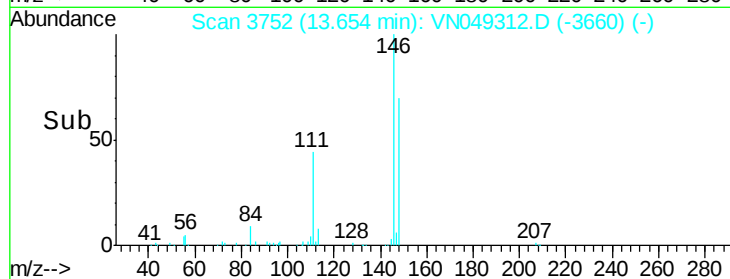
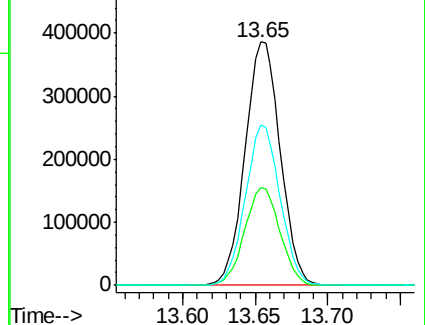
148 65.0 32.0 96.2



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: 18.66 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

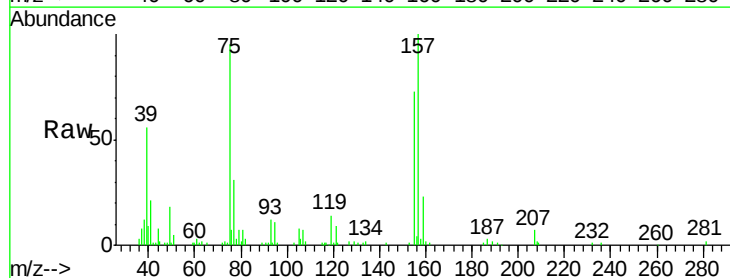
Tgt Ion: 75 Resp: 51975

Ion Ratio Lower Upper

75 100

155 82.5 38.8 116.3

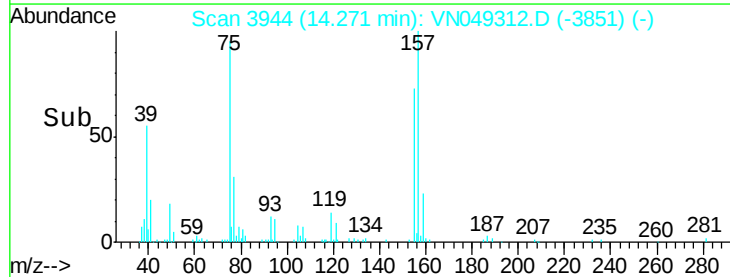
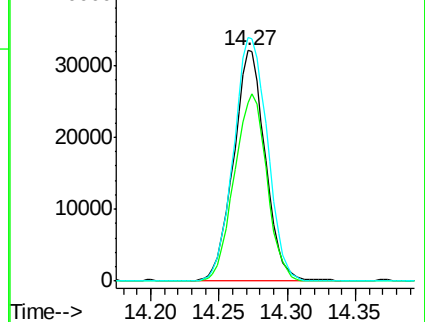
157 111.8 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

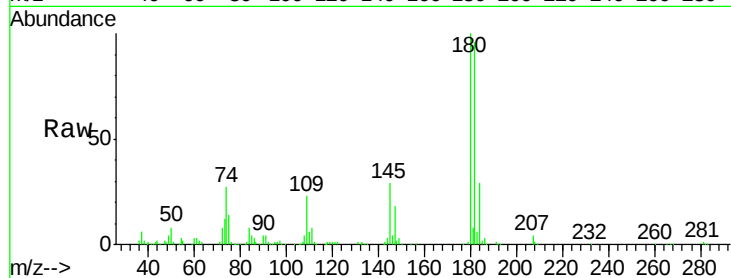




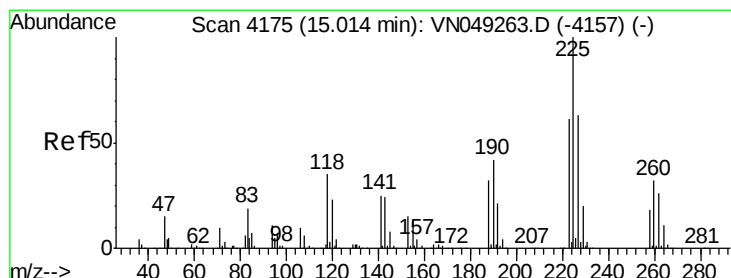
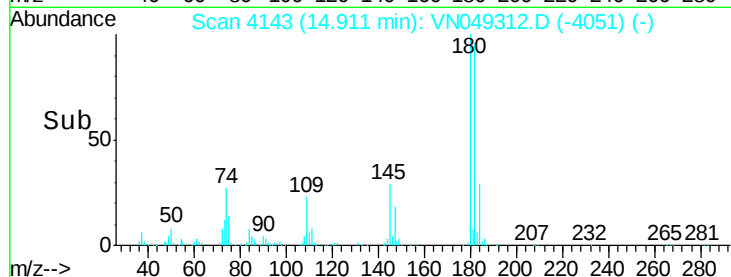
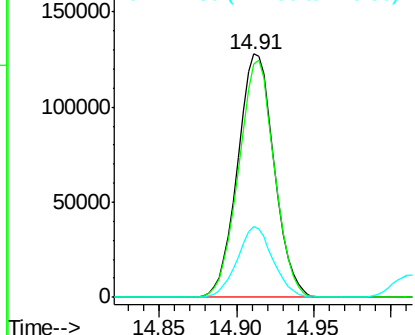
#93
 1,2,4-Trichlorobenzene
 Concen: 16.92 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 210117
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.8
 145 28.2 14.7 44.1

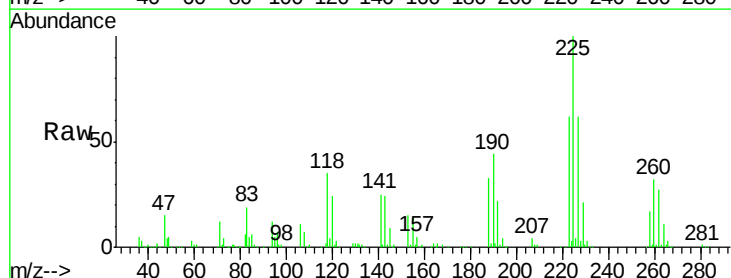


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

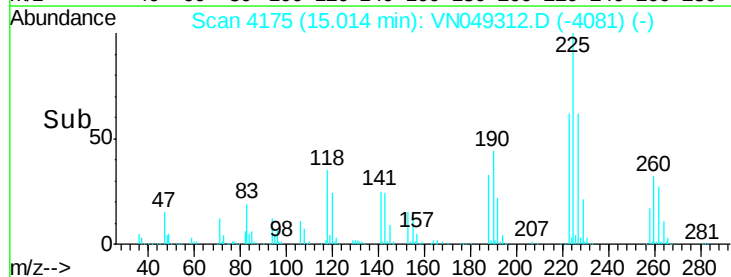
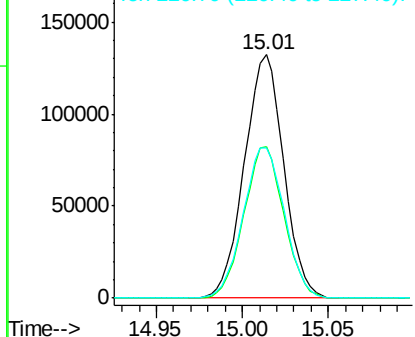


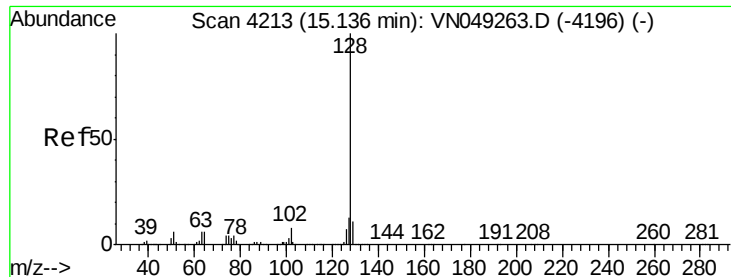
#94
 Hexachlorobutadiene
 Concen: 19.36 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion:225 Resp: 209668
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.1 96.3
 227 64.9 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: 17.41 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

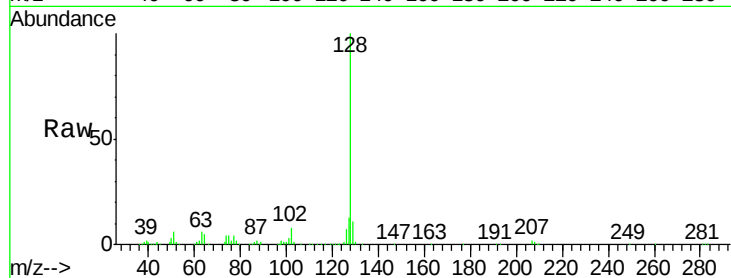
Tot Ion:128 Resp: 404755

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

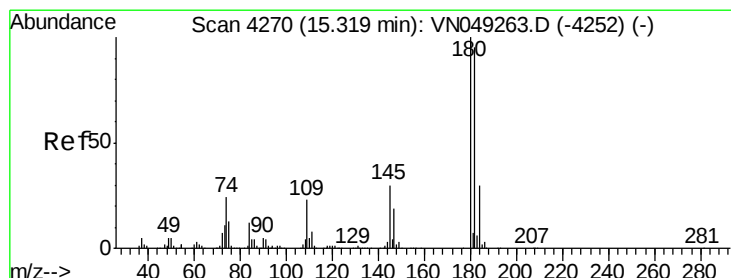
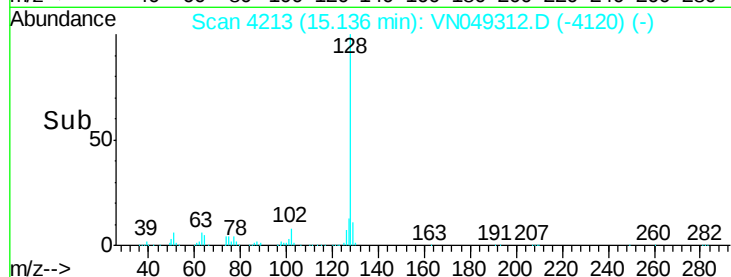
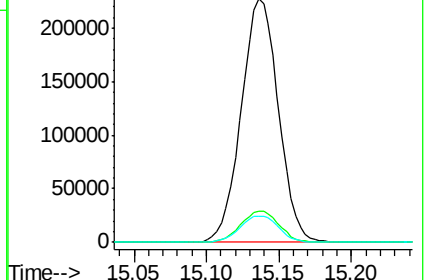
129 11.3 8.5 12.7



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: 17.92 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

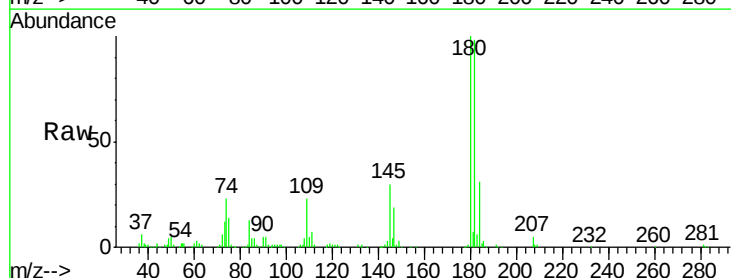
Tgt Ion:180 Resp: 237234

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.8

145 29.6 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

