

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049553.D
 Acq On : 26 Jun 2018 15:31
 Operator : MD\SY
 Sample : VN0626WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 01:03:06 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	1672488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2569693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2270411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1178211	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	1084266	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.59	113	973198	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.09	98	3668933	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.40	95	1251310	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	300899	15.63	ug/l	98
3) Chloromethane	2.06	50	384158	15.45	ug/l	97
4) Vinyl Chloride	2.18	62	432088	16.36	ug/l	99
5) Bromomethane	2.56	94	218472	15.73	ug/l	97
6) Chloroethane	2.70	64	278423	17.68	ug/l	99
7) Trichlorofluoromethane	3.02	101	521707	15.83	ug/l	99
8) Diethyl Ether	3.41	74	218077	18.95	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383207	18.33	ug/l	92
10) Methyl Iodide	3.95	142	437852	20.12	ug/l	91
11) Tert butyl alcohol	4.79	59	122569	94.14	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348471	18.17	ug/l	90
13) Acrolein	3.60	56	125506	91.92	ug/l	96
14) Allyl chloride	4.32	41	471299	15.56	ug/l	88
15) Acrylonitrile	4.99	53	610137	93.72	ug/l	98
16) Acetone	3.82	43	500195	92.87	ug/l	90
17) Carbon Disulfide	4.05	76	925616	15.40	ug/l	99
18) Methyl Acetate	4.33	43	686342	41.79	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	996255	20.38	ug/l	98
20) Methylene Chloride	4.55	84	409881	18.22	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	370825	18.27	ug/l	95
22) Diisopropyl ether	5.95	45	1212386	20.05	ug/l	97
23) Vinyl Acetate	5.90	43	3815331	96.79	ug/l	96
24) 1,1-Dichloroethane	5.85	63	724109	18.71	ug/l	99
25) 2-Butanone	6.84	43	642356	88.82	ug/l	95
26) 2,2-Dichloropropane	6.82	77	602359	19.27	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	433008	19.18	ug/l	93
28) Bromochloromethane	7.19	49	325657	18.98	ug/l #	81
29) Tetrahydrofuran	7.21	42	450013	96.66	ug/l	92
30) Chloroform	7.37	83	741651	19.26	ug/l	100
31) Cyclohexane	7.65	56	636543	19.29	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	626179	19.05	ug/l	97
36) 1,1-Dichloropropene	7.79	75	540736	18.36	ug/l	96
37) Ethyl Acetate	6.93	43	315100	19.68	ug/l #	92
38) Carbon Tetrachloride	7.77	117	517416	16.97	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	598501	18.93	ug/l	95
40) Benzene	8.04	78	1675793	18.56	ug/l	99
41) Methacrylonitrile	7.17	41	169730	19.61	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	518116	18.57	ug/l	96
43) Isopropyl Acetate	8.17	43	1082194	35.38	ug/l #	86
44) Trichloroethene	8.83	130	500577	20.99	ug/l	94
45) 1,2-Dichloropropane	9.12	63	444151	18.79	ug/l	99
46) Dibromomethane	9.21	93	255436	18.63	ug/l	91
47) Bromodichloromethane	9.40	83	547956	18.19	ug/l	97
48) Methyl methacrylate	9.20	41	304547	21.14	ug/l	89
49) 1,4-Dioxane	9.20	88	75177	378.11	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1553178	96.87	ug/l	94
52) Toluene	10.16	92	1020639	19.26	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	530915	18.42	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	633788	18.63	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	367599	18.61	ug/l	98
56) Ethyl methacrylate	10.43	69	446144	19.58	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	618988	18.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	1144982	146.80	ug/l	94
59) 2-Hexanone	10.75	43	1014166	98.11	ug/l	93
60) Dibromochloromethane	10.90	129	395149	17.92	ug/l	100
61) 1,2-Dibromoethane	11.01	107	359795	19.59	ug/l	100
64) Tetrachloroethene	10.63	164	551949	23.72	ug/l	97
65) Chlorobenzene	11.43	112	1118617	19.13	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	404300	18.37	ug/l	100
67) Ethyl Benzene	11.51	91	1891010	19.49	ug/l	97
68) m/p-Xylenes	11.62	106	1472478	40.44	ug/l	96
69) o-Xylene	11.95	106	710190	20.25	ug/l	96
70) Styrene	11.96	104	1137865	20.57	ug/l	96
71) Bromoform	12.13	173	253773	17.81	ug/l #	99
73) Isopropylbenzene	12.25	105	1853593	17.92	ug/l	98
74) N-amyl acetate	12.07	43	513538	20.27	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	417316	18.18	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	528190	26.27	ug/l #	100
77) Bromobenzene	12.53	156	477398	17.47	ug/l	90
78) n-propylbenzene	12.59	91	2113688	18.61	ug/l	98
79) 2-Chlorotoluene	12.68	91	1292870	17.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1552774	19.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	109970	17.29	ug/l	92
82) 4-Chlorotoluene	12.77	91	1310983	18.88	ug/l	98
83) tert-Butylbenzene	12.99	119	1304604	18.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1612942	19.97	ug/l	99
85) sec-Butylbenzene	13.17	105	1744719	18.20	ug/l	99
86) p-Isopropyltoluene	13.29	119	1546651	19.31	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	856065	19.04	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	838010	18.81	ug/l	100
89) n-Butylbenzene	13.62	91	1281849	20.49	ug/l	98
90) Hexachloroethane	13.88	117	120179	6.45	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	843083	19.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68578	19.04	ug/l	87

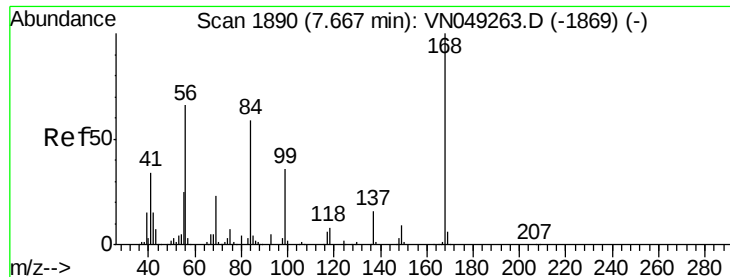
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
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Acq On : 26 Jun 2018 15:31
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Instrument :
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ClientSampleId :

Quant Time: Jun 27 01:03:06 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)
93) 1,2,4-Trichlorobenzene	14.91	180	446262	24.73	ug/l	98
94) Hexachlorobutadiene	15.01	225	269752	19.25	ug/l	98
95) Naphthalene	15.13	128	982421	29.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	421953	23.34	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

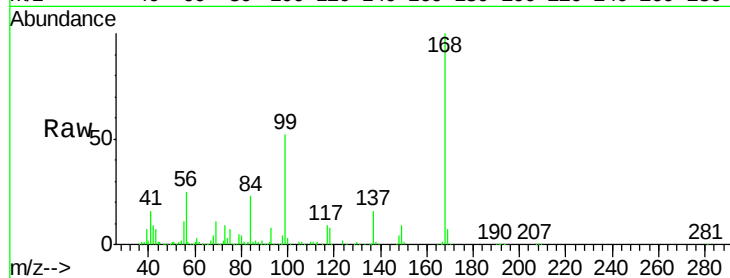
ClientSampled :

Tot Ion:168 Resp: 1672488

Ion Ratio Lower Upper

168 100

99 51.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

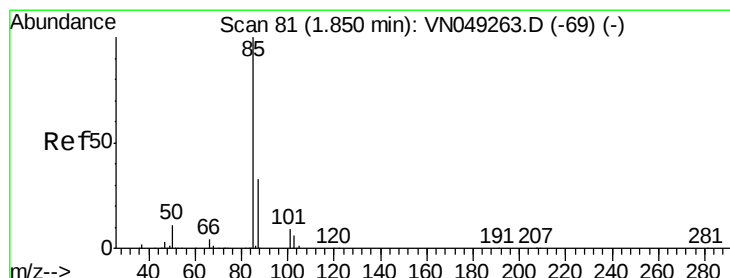
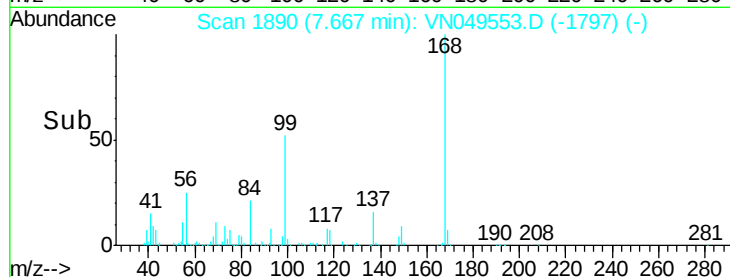
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.63 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049553.D

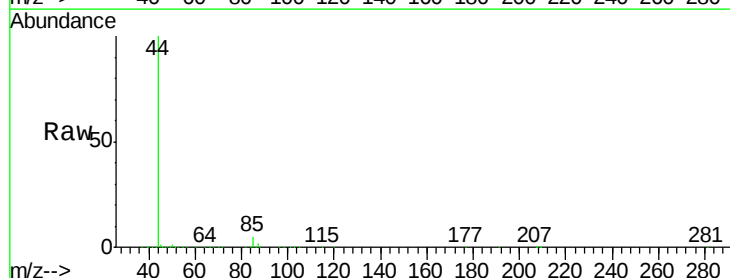
Acq: 26 Jun 2018 15:31

Tgt Ion: 85 Resp: 300899

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

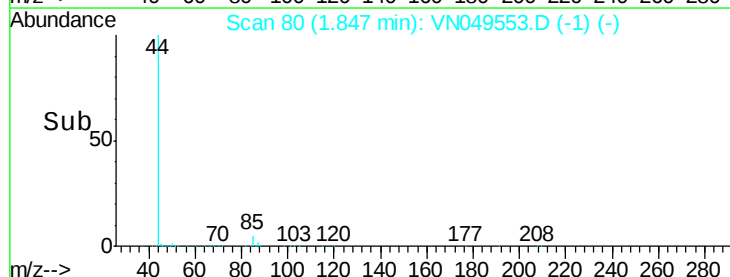
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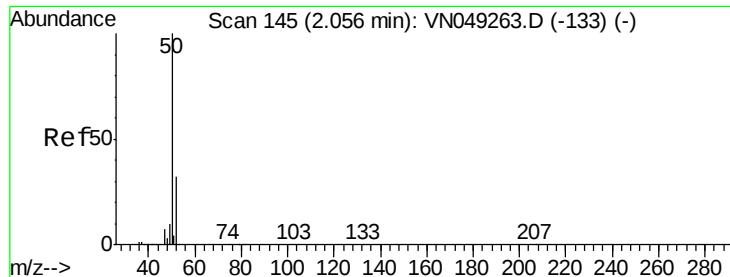
100000

50000

0

Time-->





#3

Chloromethane

Concen: 15.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

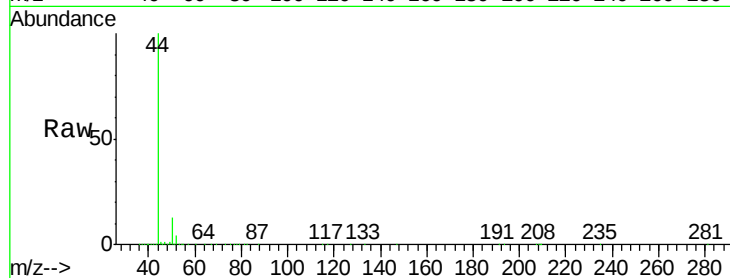
ClientSampleId :

Tot Ion: 50 Resp: 384158

Ion Ratio Lower Upper

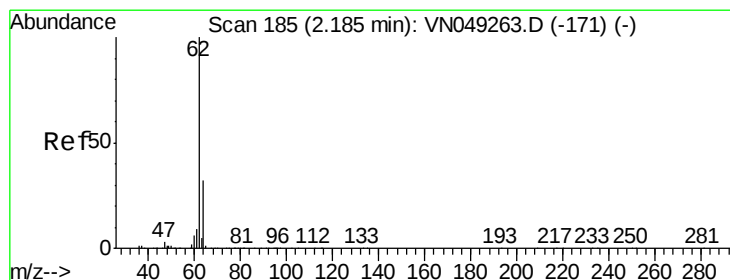
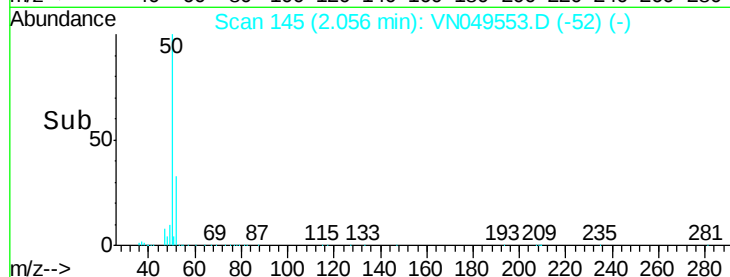
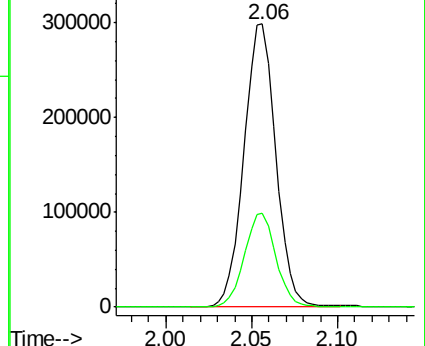
50 100

52 33.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049553.D

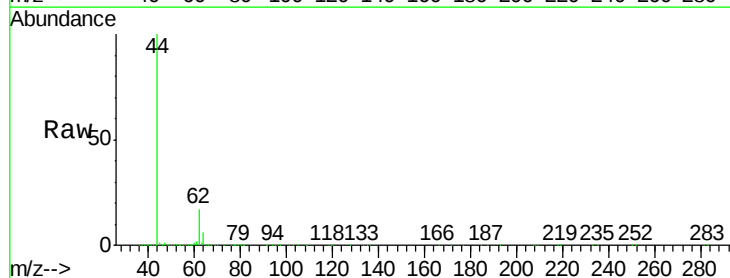
Acq: 26 Jun 2018 15:31

Tgt Ion: 62 Resp: 432088

Ion Ratio Lower Upper

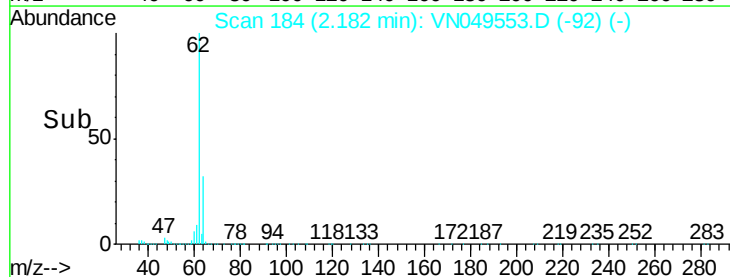
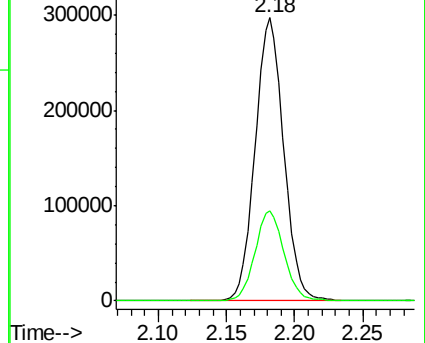
62 100

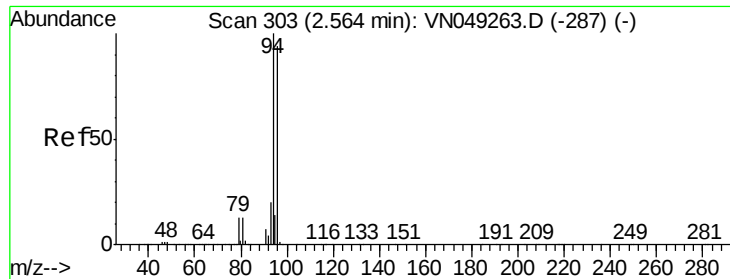
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.73 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

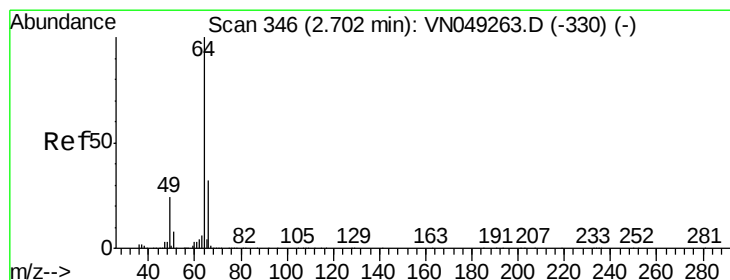
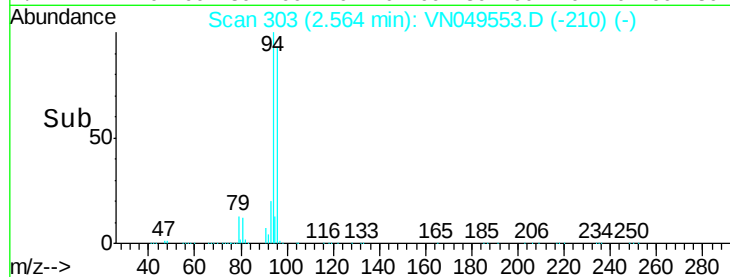
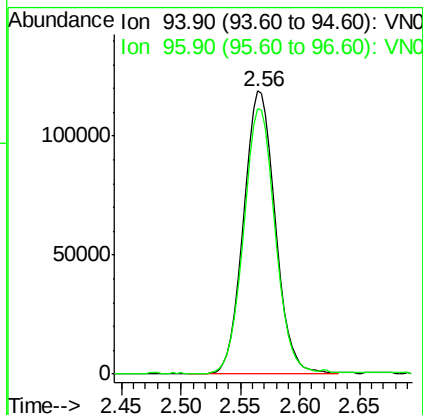
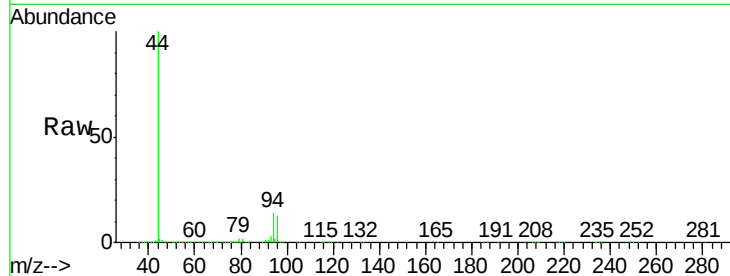
ClientSampled :

Tot Ion: 94 Resp: 218472

Ion Ratio Lower Upper

94 100

96 93.4 72.8 109.2



#6

Chloroethane

Concen: 17.68 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049553.D

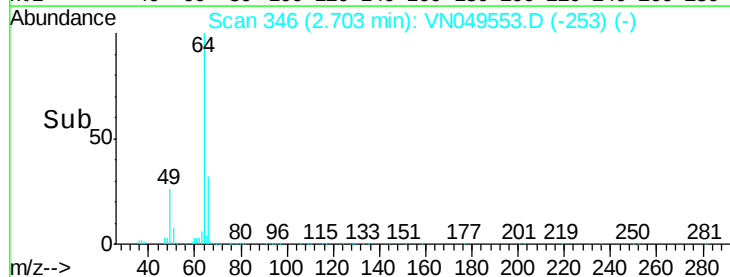
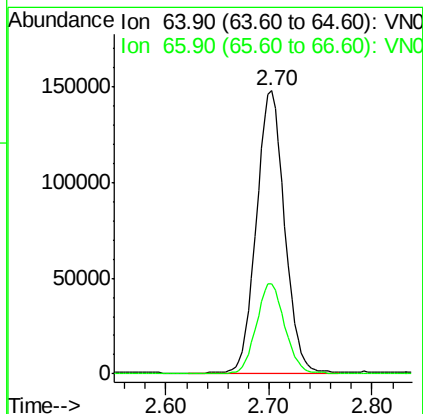
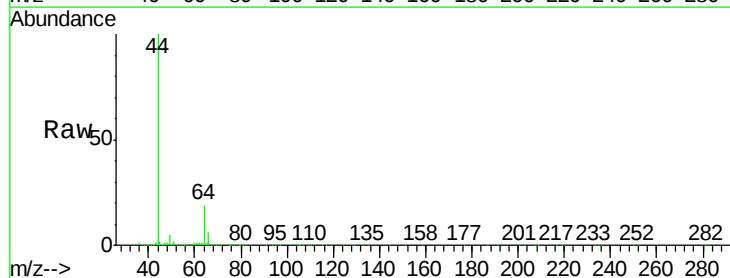
Acq: 26 Jun 2018 15:31

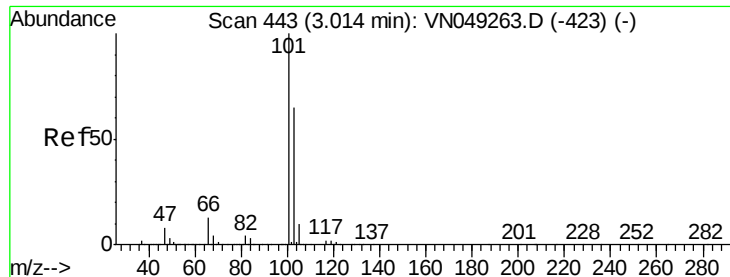
Tgt Ion: 64 Resp: 278423

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



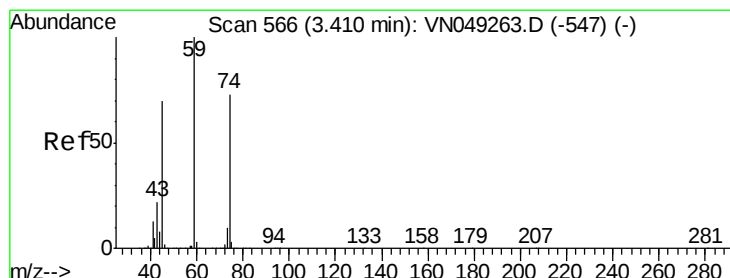
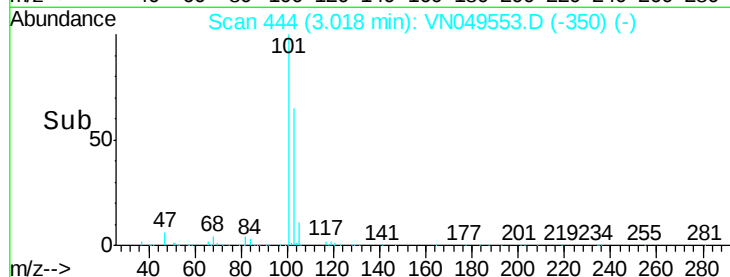
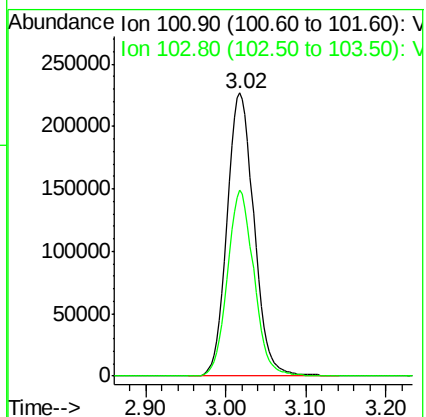
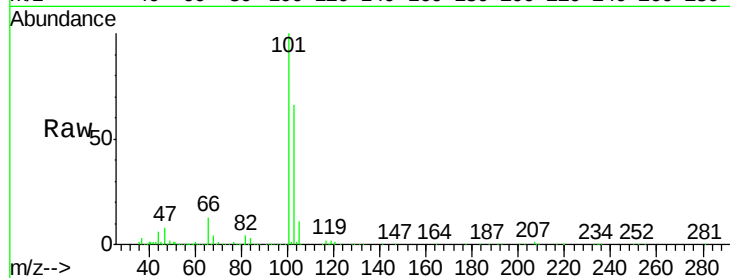


#7

Trichlorofluoromethane
Concen: 15.83 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampled :

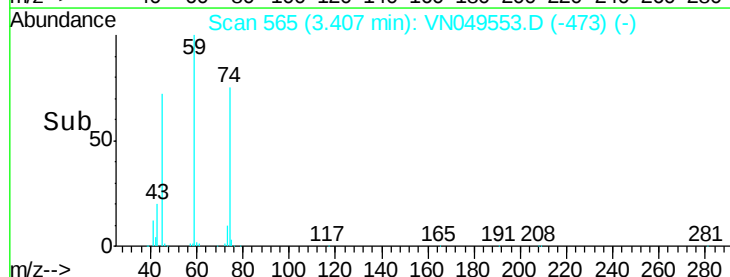
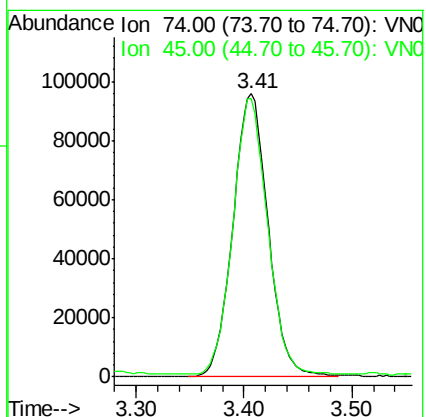
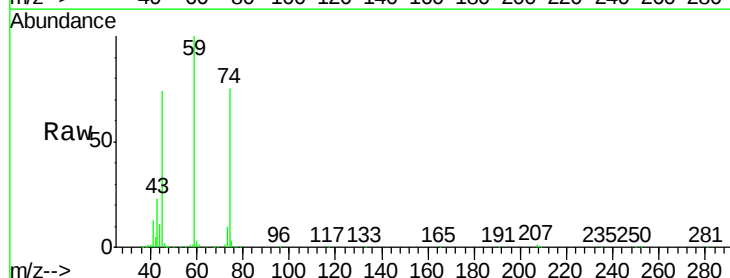
Tot Ion:101 Resp: 521707
Ion Ratio Lower Upper
101 100
103 65.5 51.7 77.5



#8

Diethyl Ether
Concen: 18.95 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 74 Resp: 218077
Ion Ratio Lower Upper
74 100
45 95.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.33 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

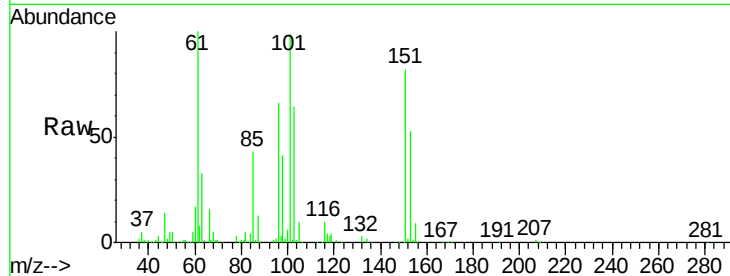
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:101 Resp: 383207

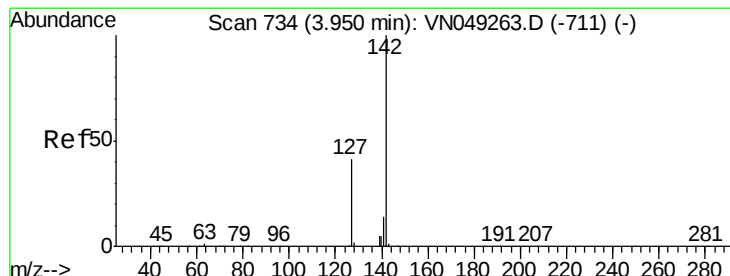
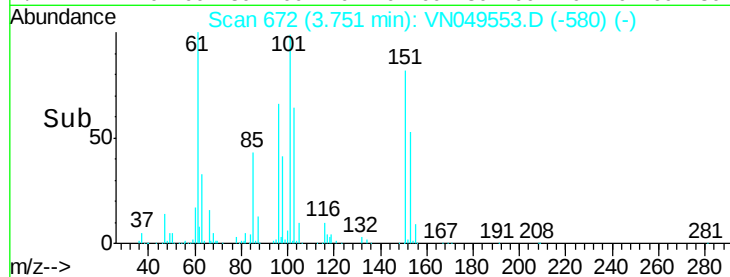
Ion	Ratio	Lower	Upper
101	100		
85	42.5	37.6	56.4
151	83.5	61.1	91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.12 ug/l

RT: 3.95 min Scan# 733

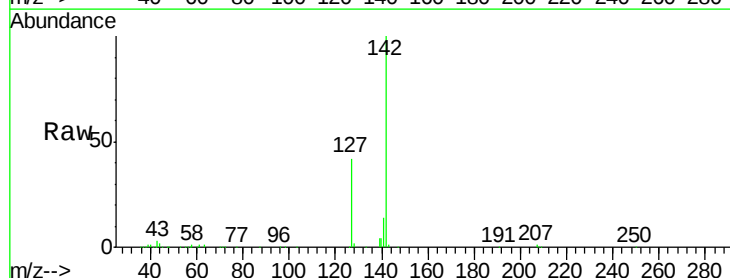
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:142 Resp: 437852

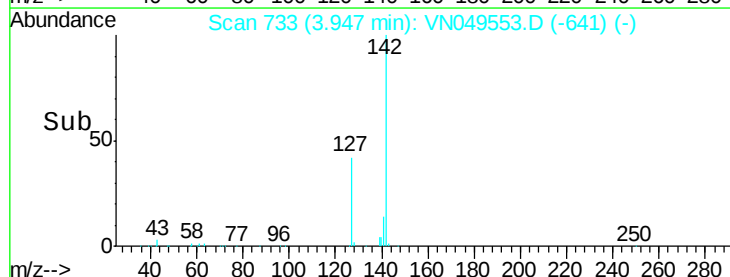
Ion	Ratio	Lower	Upper
142	100		
127	40.8	38.2	57.4
141	13.6	11.9	17.9

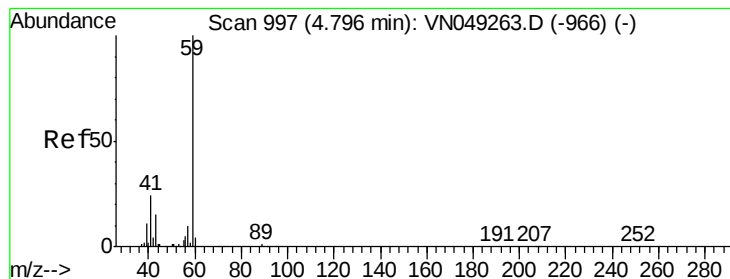


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



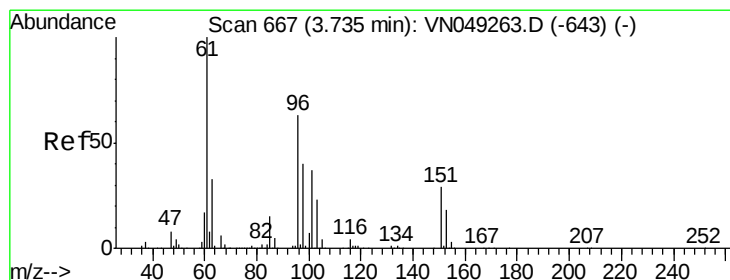
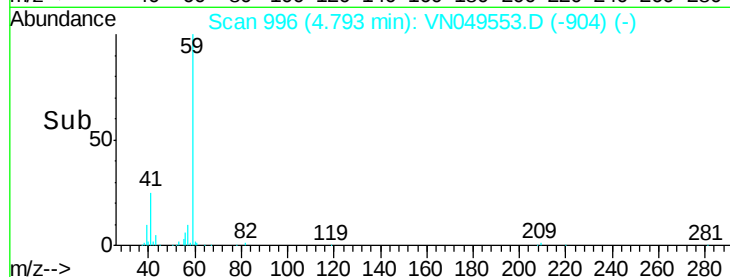
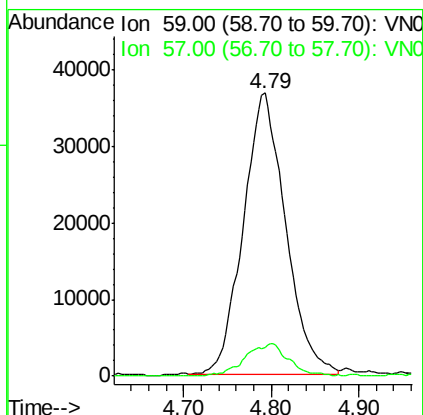
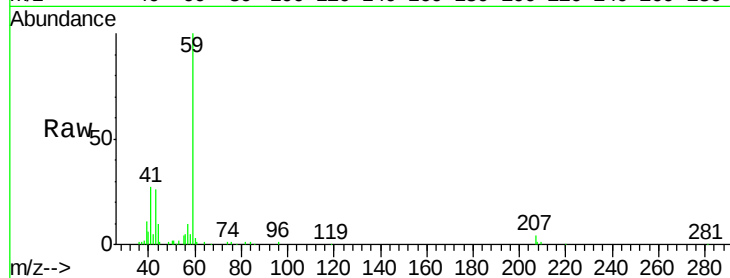


#11

Tert butyl alcohol
 Concen: 94.14 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :

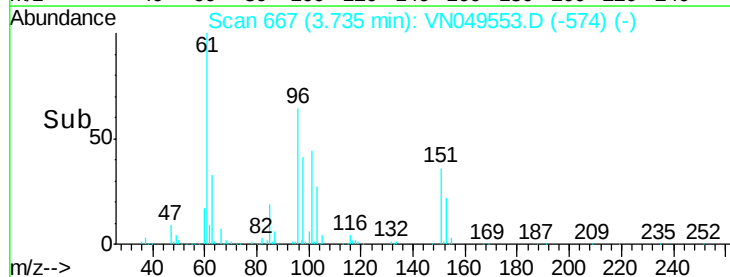
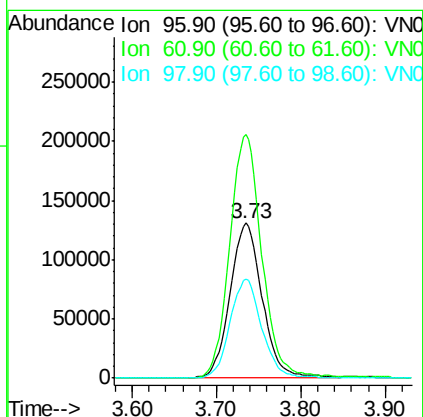
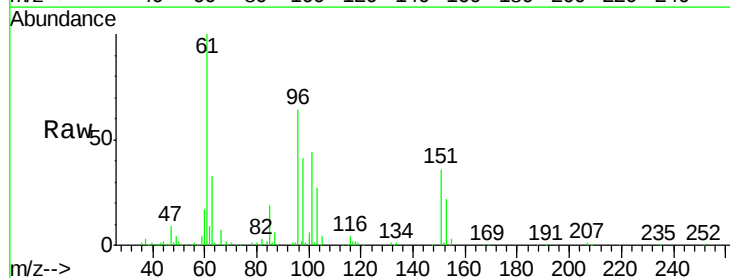
Tot Ion: 59 Resp: 122569
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.0 13.6

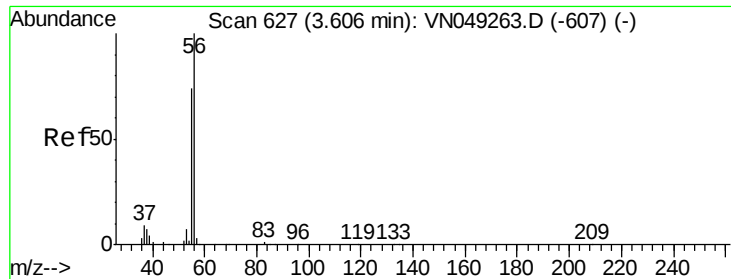


#12

1,1-Dichloroethene
 Concen: 18.17 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion: 96 Resp: 348471
 Ion Ratio Lower Upper
 96 100
 61 157.3 141.0 211.4
 98 64.3 50.4 75.6





#13

Acrolein

Concen: 91.92 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

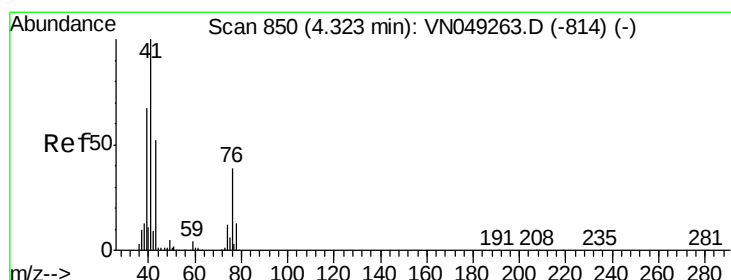
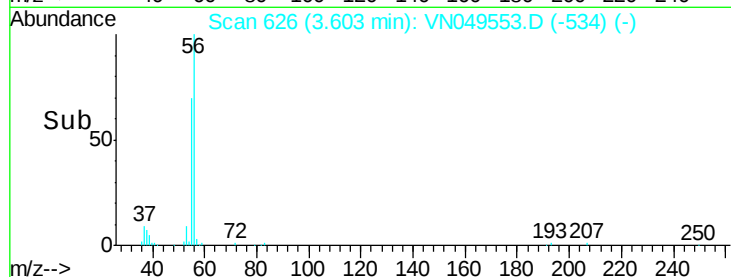
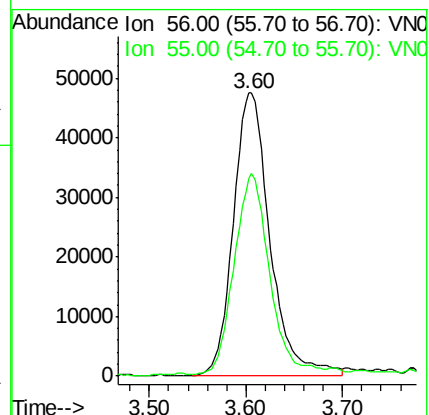
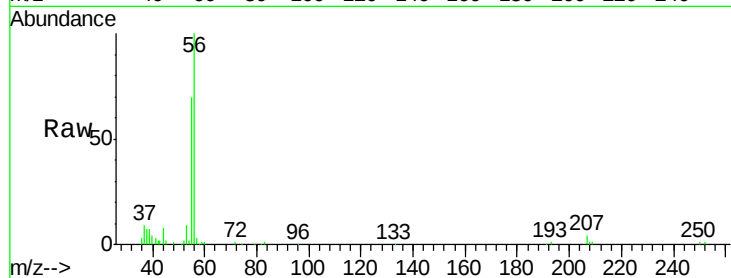
ClientSampleId :

Tot Ion: 56 Resp: 125506

Ion Ratio Lower Upper

56 100

55 68.0 57.1 85.7



#14

Allyl chloride

Concen: 15.56 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

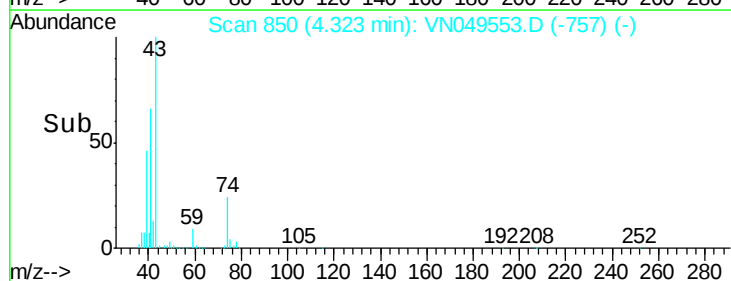
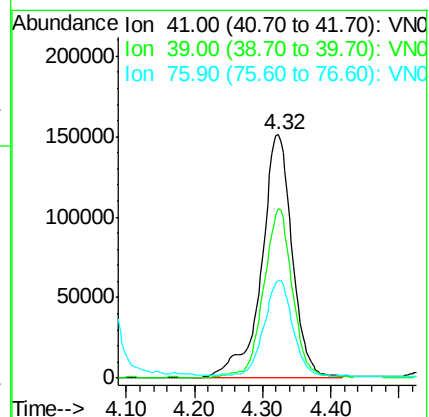
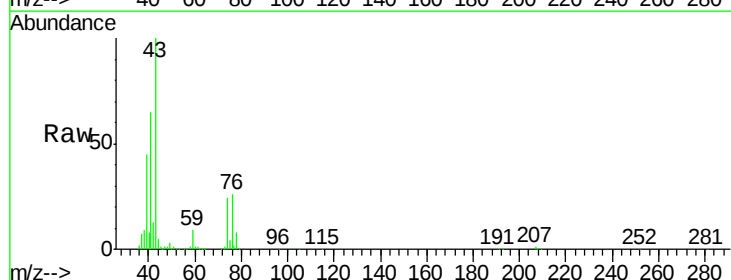
Tgt Ion: 41 Resp: 471299

Ion Ratio Lower Upper

41 100

39 65.0 62.5 93.7

76 36.2 27.1 40.7



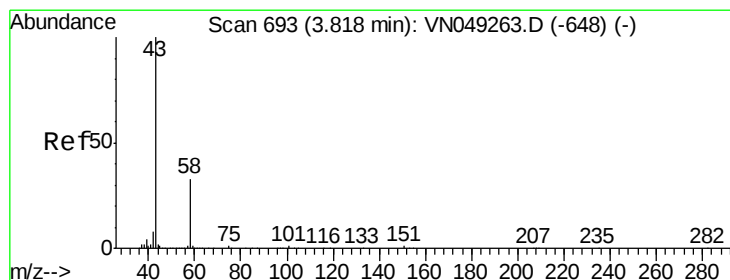
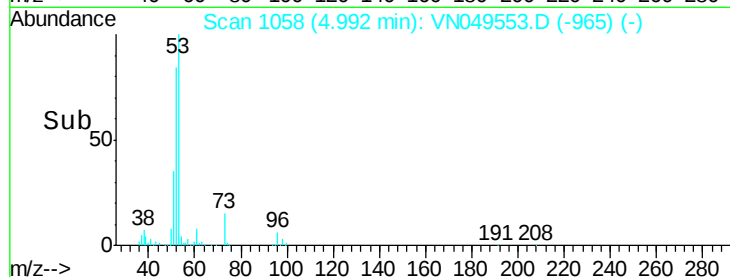
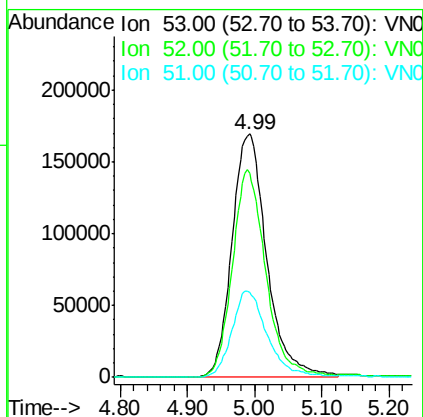
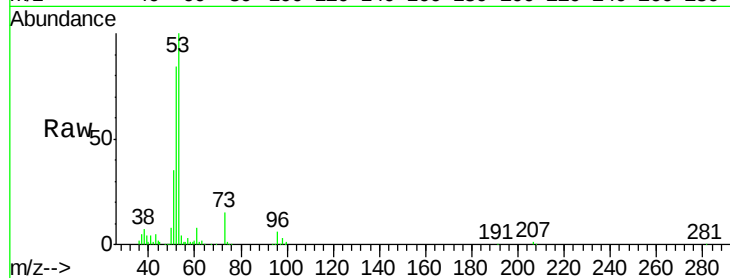


#15
 Acrylonitrile
 Concen: 93.72 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 53 Resp: 610137

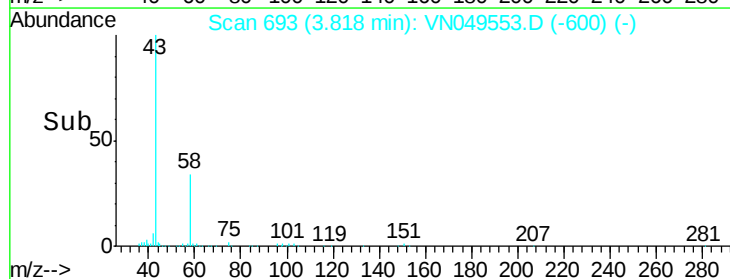
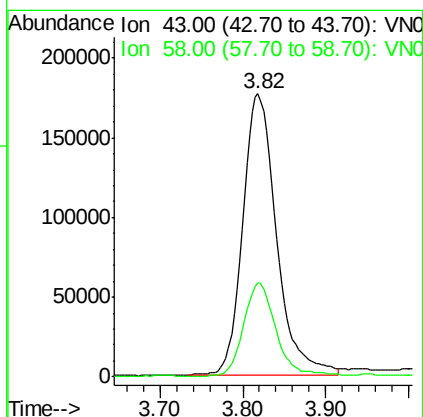
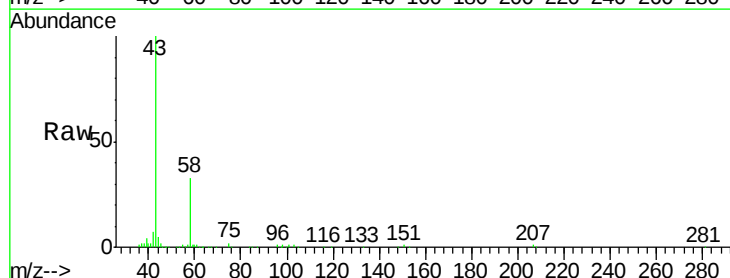
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.1	29.8	44.8

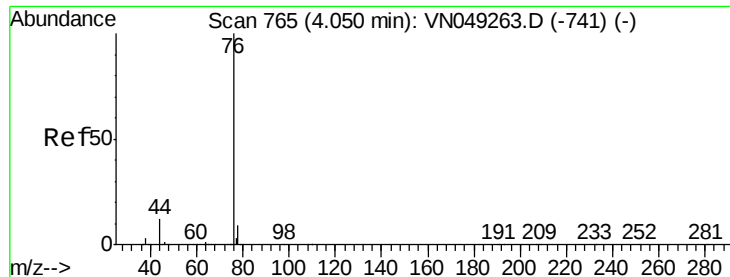


#16
 Acetone
 Concen: 92.87 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion: 43 Resp: 500195

Ion	Ratio	Lower	Upper
43	100		
58	33.3	22.4	33.6

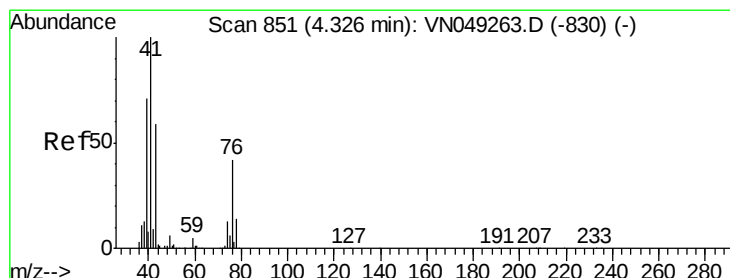
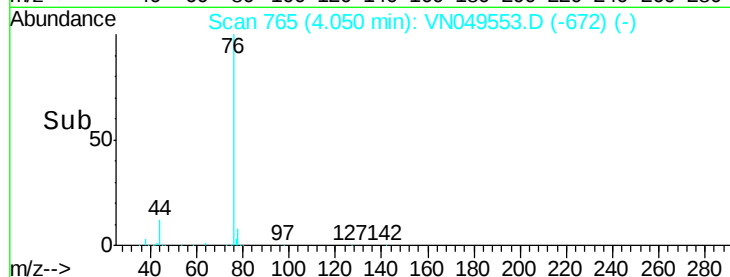
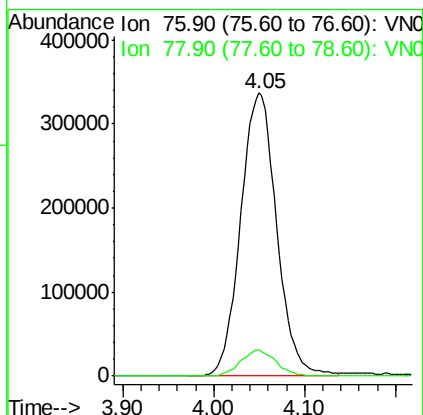
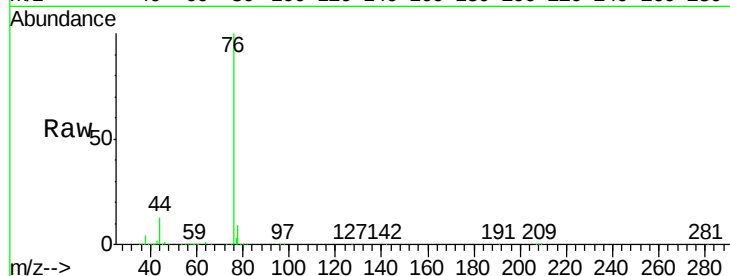




#17
Carbon Disulfide
Concen: 15.40 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

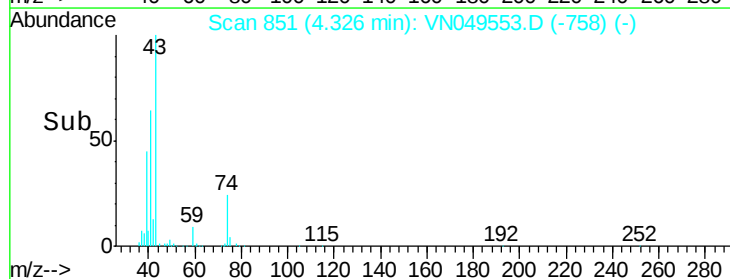
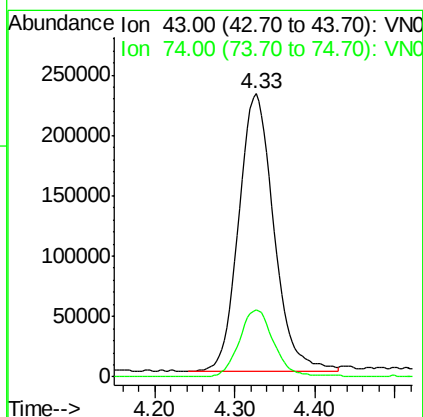
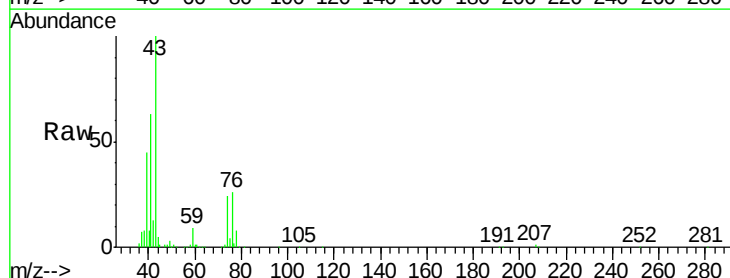
Instrument :
MSVOA_N
ClientSampleId :

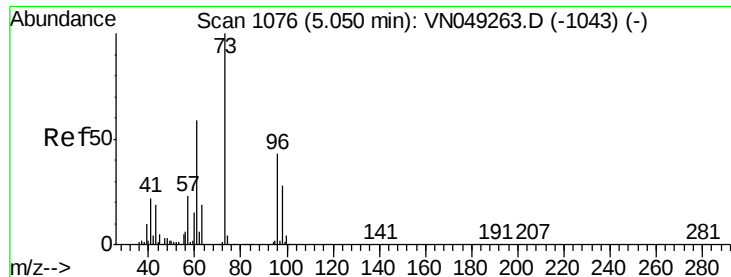
Tot Ion: 76 Resp: 925616
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 41.79 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 43 Resp: 686342
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0



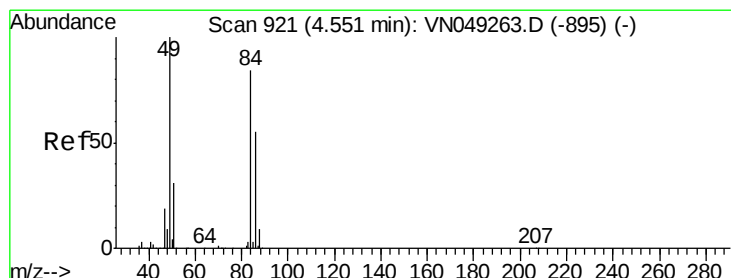
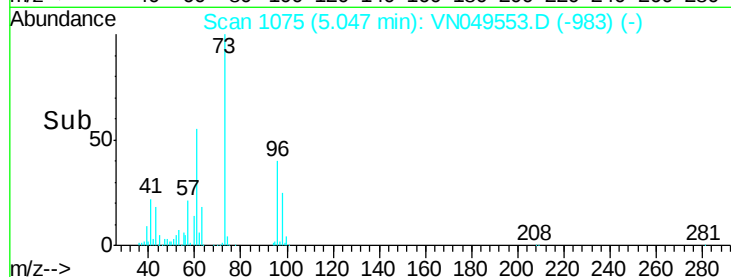
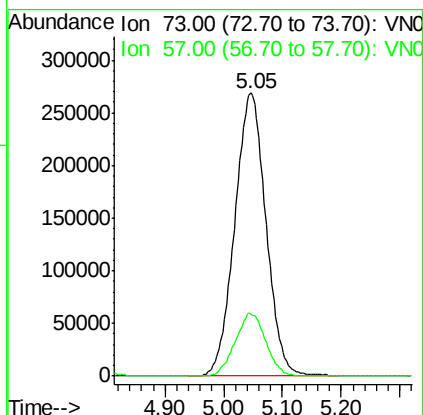
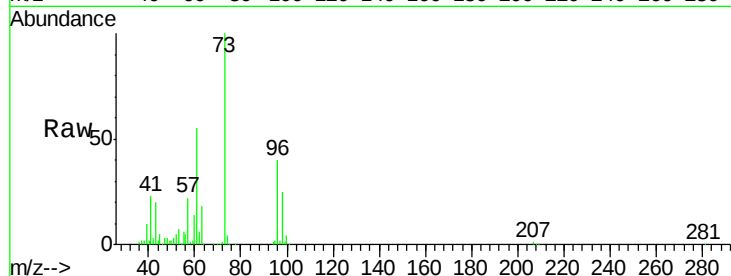


#19

Methyl tert-butyl Ether
 Concen: 20.38 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampled :

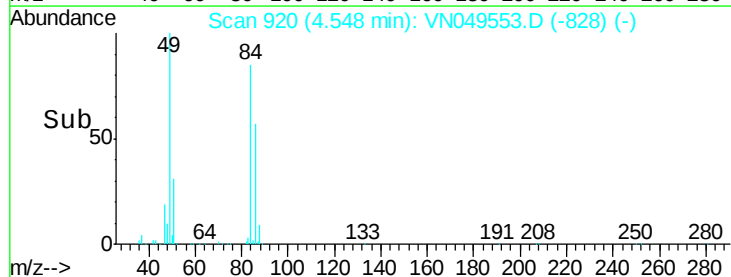
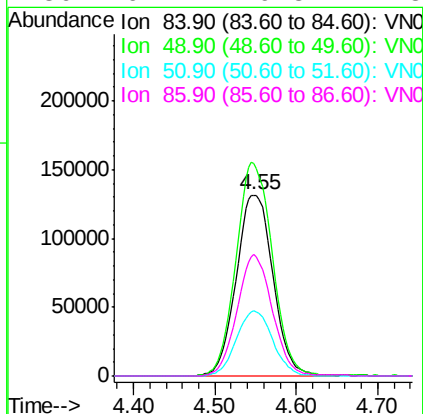
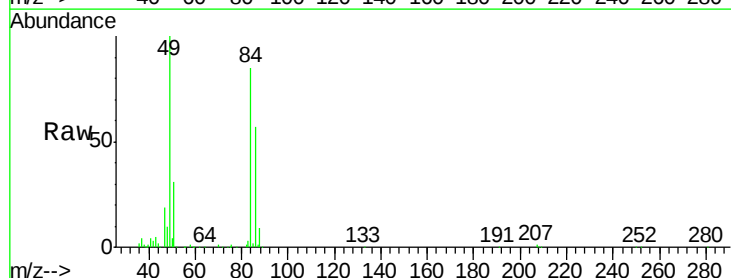
Tot Ion: 73 Resp: 996255
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.2 27.4



#20

Methylene Chloride
 Concen: 18.22 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion: 84 Resp: 409881
 Ion Ratio Lower Upper
 84 100
 49 117.2 106.9 160.3
 51 35.9 32.7 49.1
 86 67.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.27 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

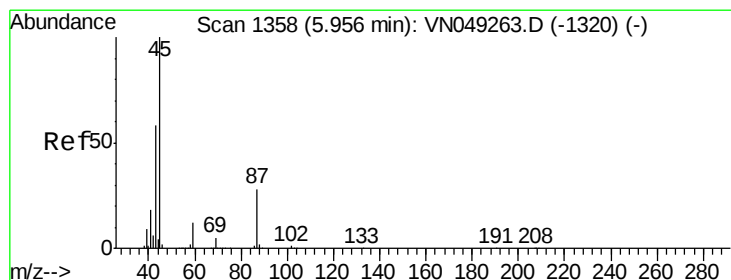
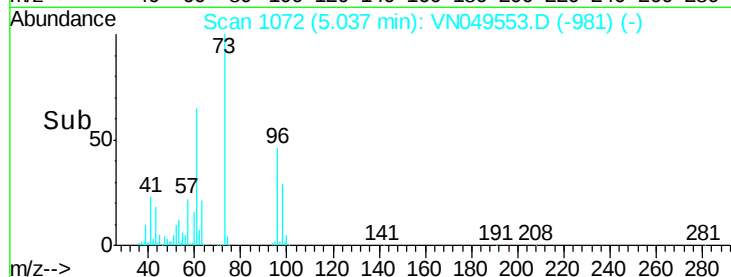
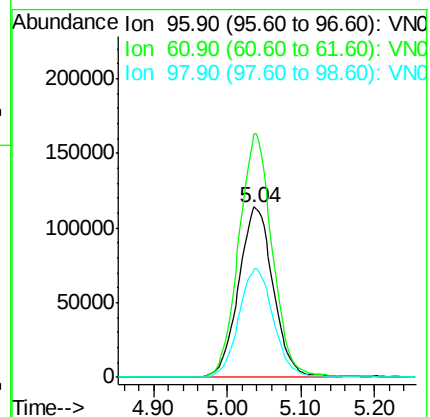
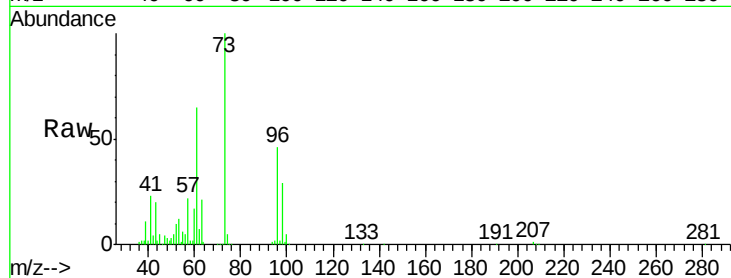
Tot Ion: 96 Resp: 370825

Ion Ratio Lower Upper

96 100

61 143.3 121.3 181.9

98 63.6 52.0 78.0



#22

Diisopropyl ether

Concen: 20.05 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion: 45 Resp: 1212386

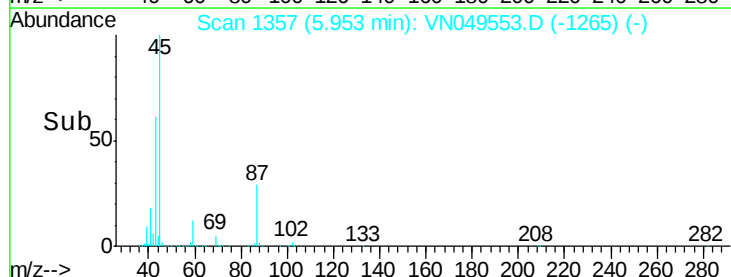
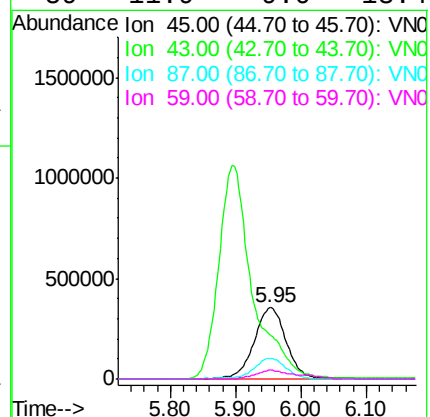
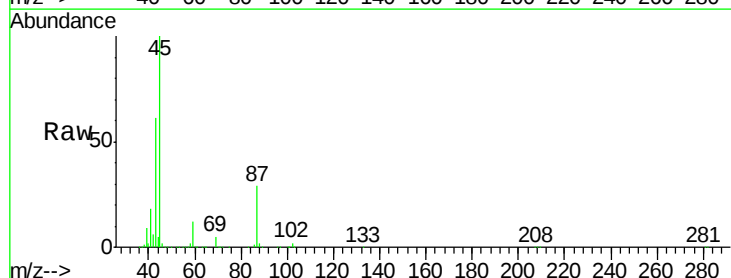
Ion Ratio Lower Upper

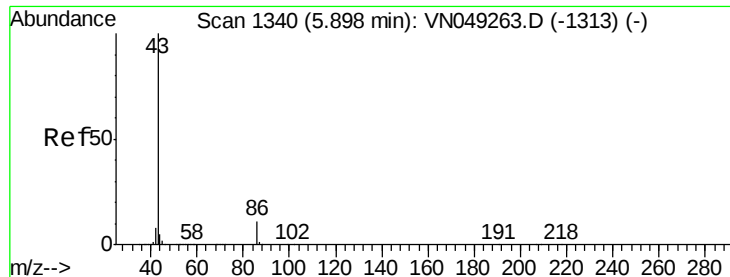
45 100

43 59.2 48.6 72.8

87 28.5 20.2 30.2

59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 96.79 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

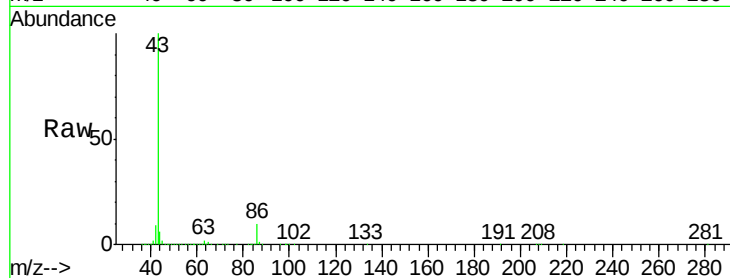
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3815331

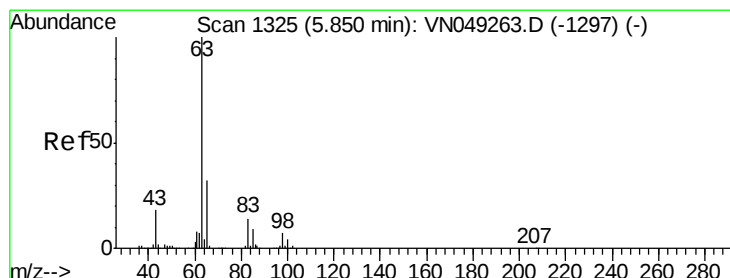
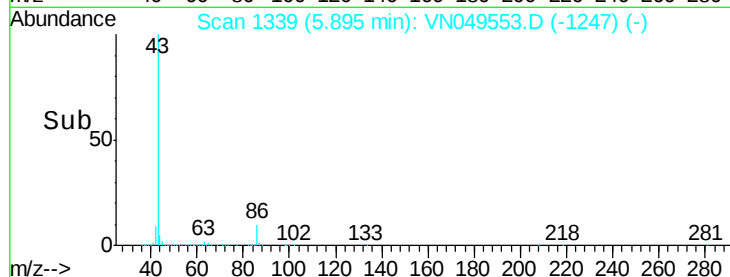
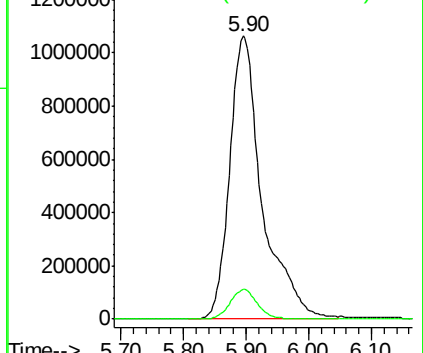
Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049553.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 18.71 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

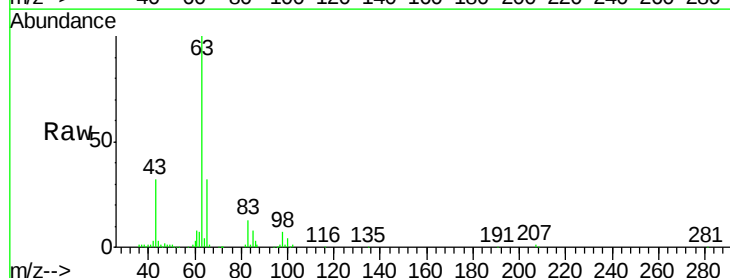
Tgt Ion: 63 Resp: 724109

Ion Ratio Lower Upper

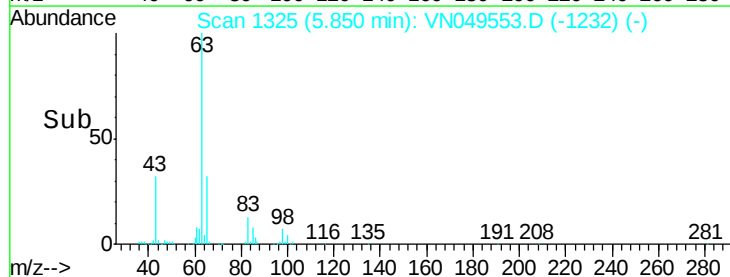
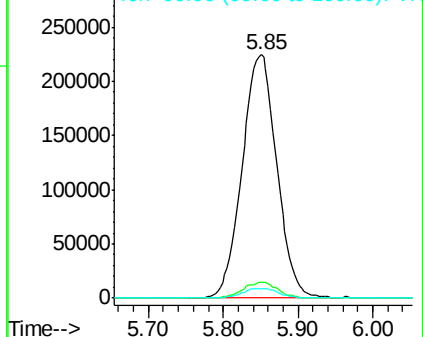
63 100

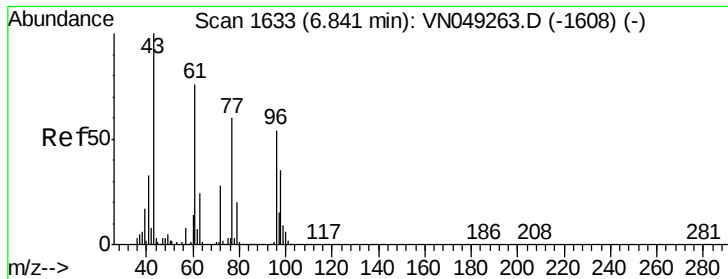
98 6.5 2.9 8.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049553.D (-1232) (-)





#25

2-Butanone

Concen: 88.82 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

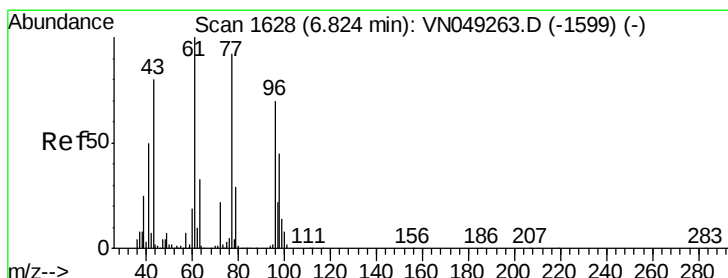
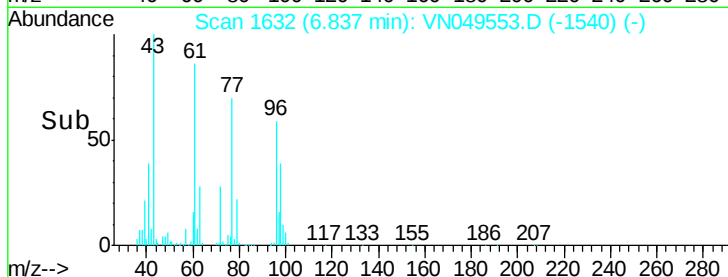
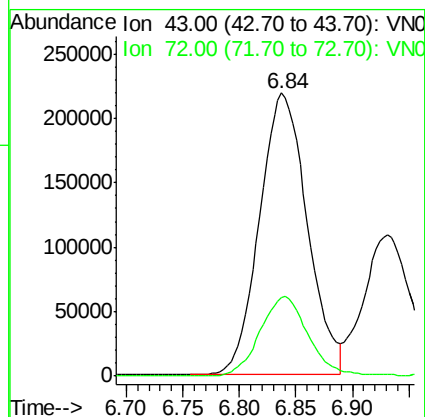
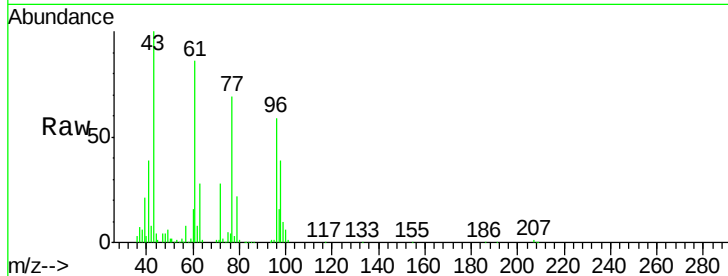
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 642356

Ion Ratio Lower Upper

43 100

72 27.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.27 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049553.D

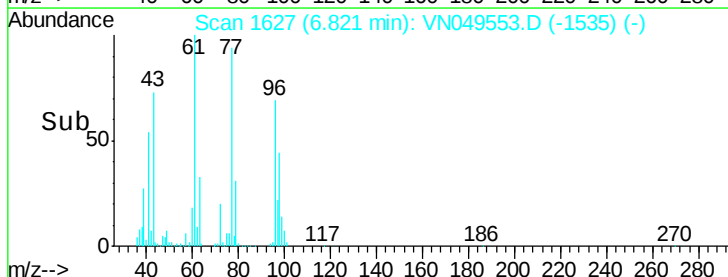
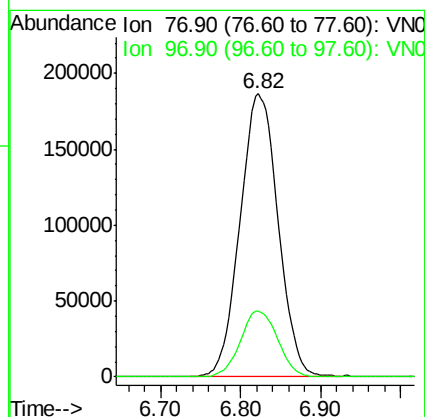
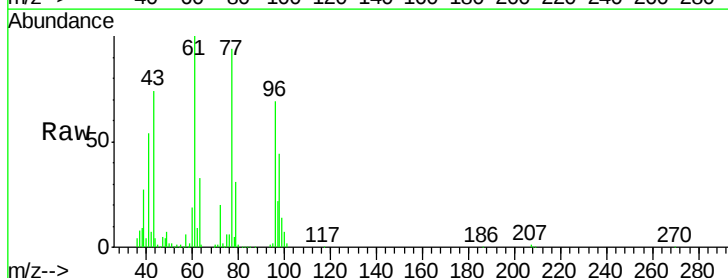
Acq: 26 Jun 2018 15:31

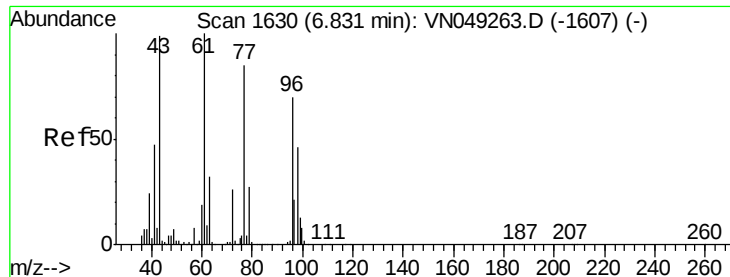
Tgt Ion: 77 Resp: 602359

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.18 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampled :

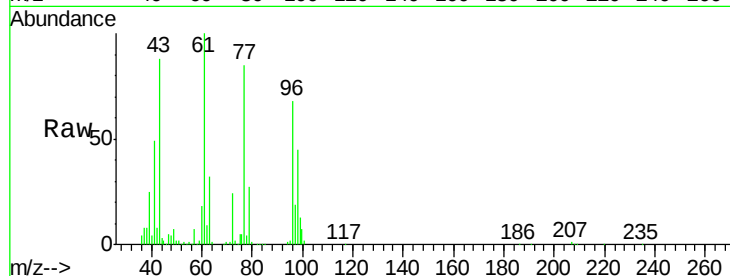
Tot Ion: 96 Resp: 433008

Ion Ratio Lower Upper

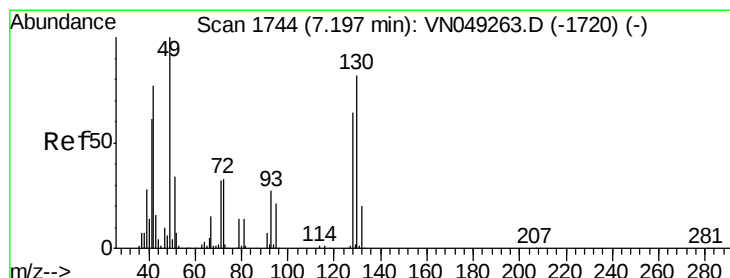
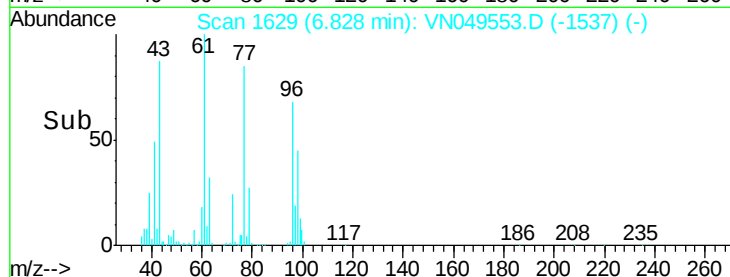
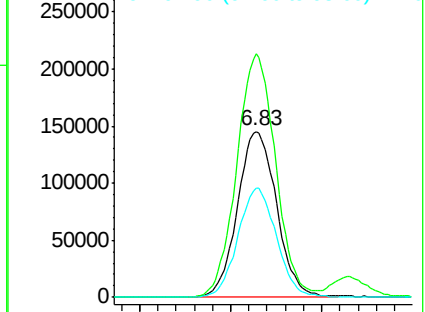
96 100

61 146.1 0.0 316.4

98 65.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.98 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

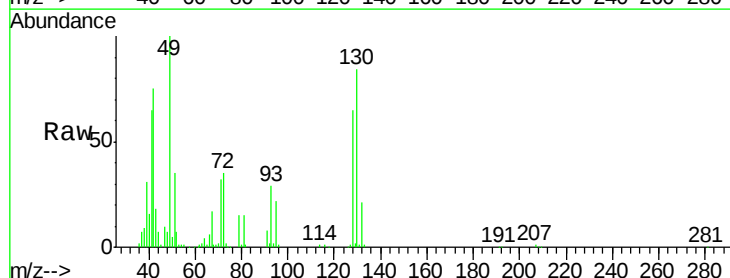
Tgt Ion: 49 Resp: 325657

Ion Ratio Lower Upper

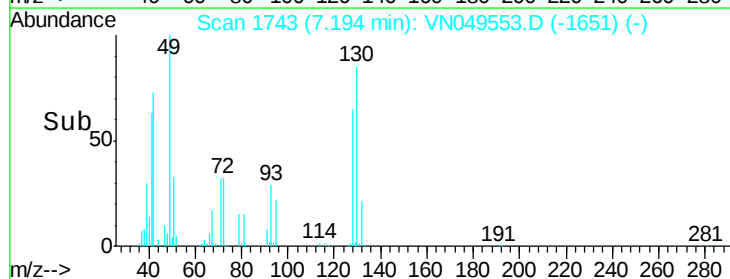
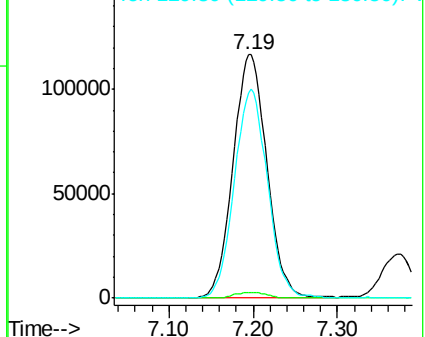
49 100

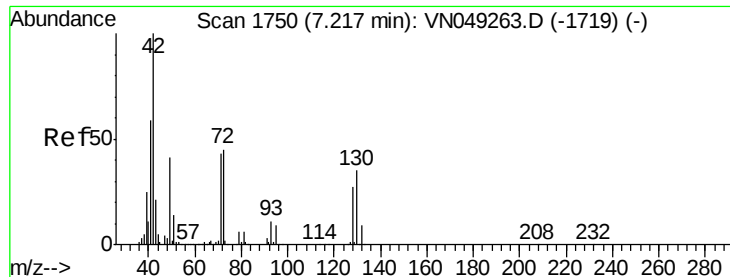
129 2.2 0.0 3.8

130 84.3 54.9 82.3#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.66 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

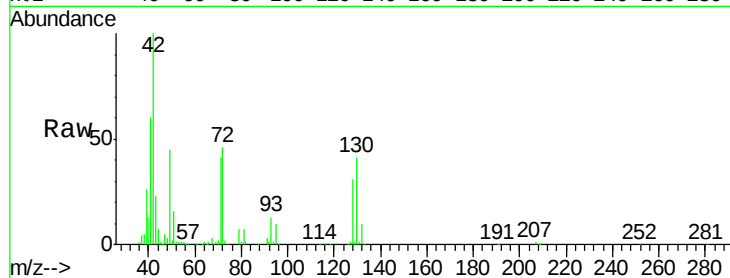
Tot Ion: 42 Resp: 450013

Ion Ratio Lower Upper

42 100

72 45.2 32.2 48.4

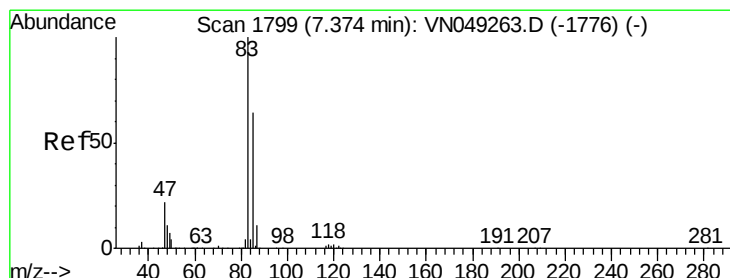
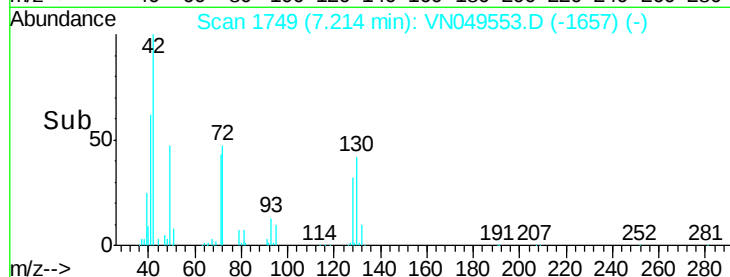
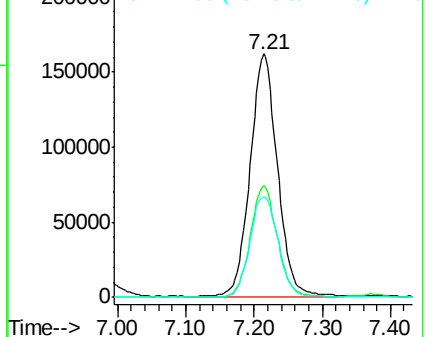
71 42.4 30.5 45.7



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: 19.26 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049553.D

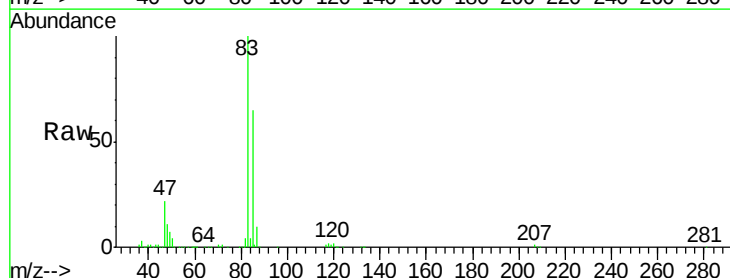
Acq: 26 Jun 2018 15:31

Tgt Ion: 83 Resp: 741651

Ion Ratio Lower Upper

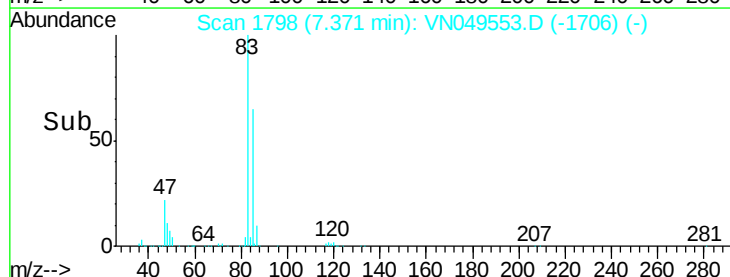
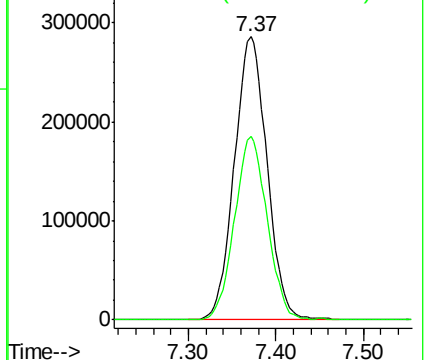
83 100

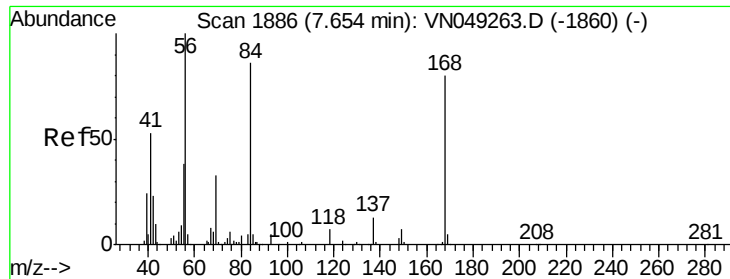
85 64.6 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

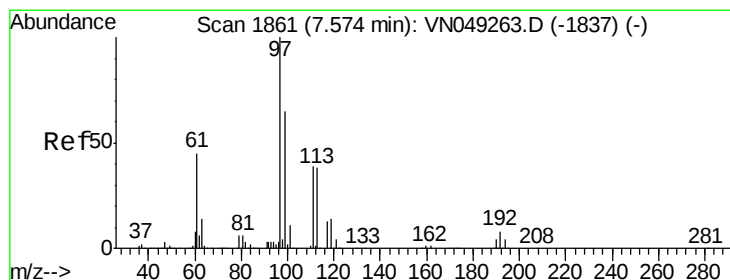
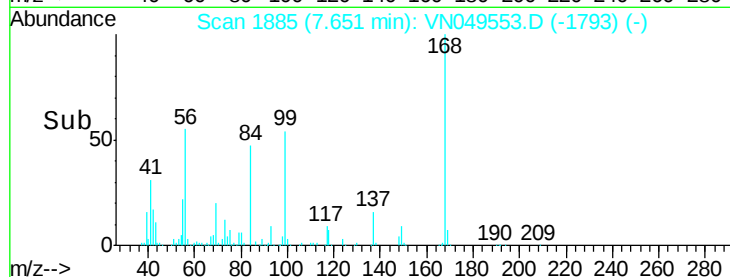
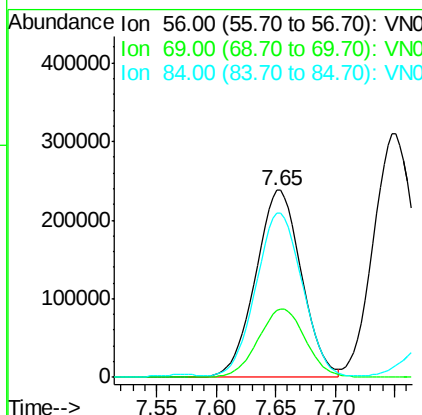
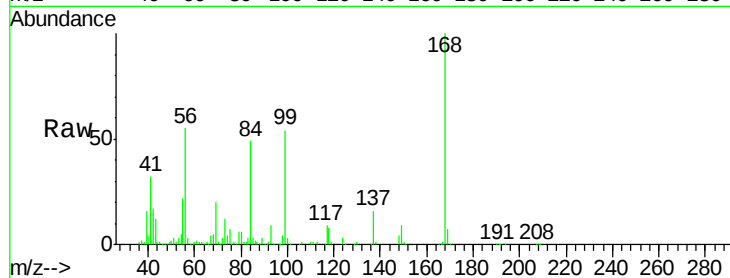




#31
Cyclohexane
Concen: 19.29 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

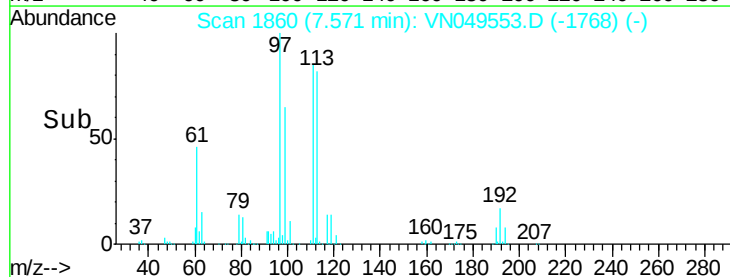
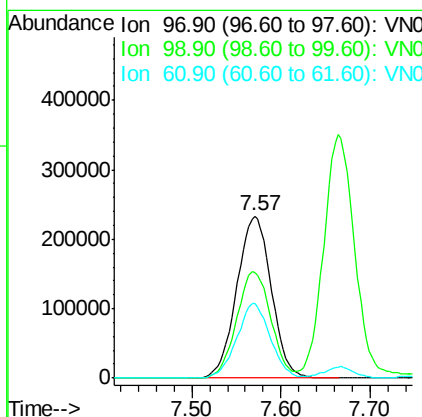
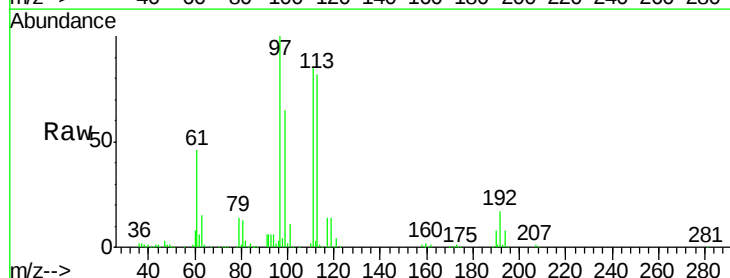
Instrument :
MSVOA_N
ClientSampleId :

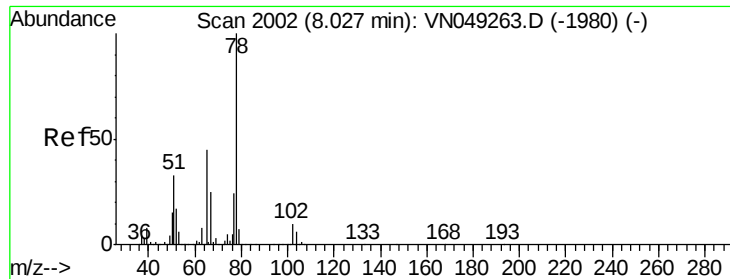
Tot Ion	56	Resp	636543
Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.0	37.4
84	86.6	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.05 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	97	Resp	626179
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.5	75.7
61	44.7	37.9	56.9

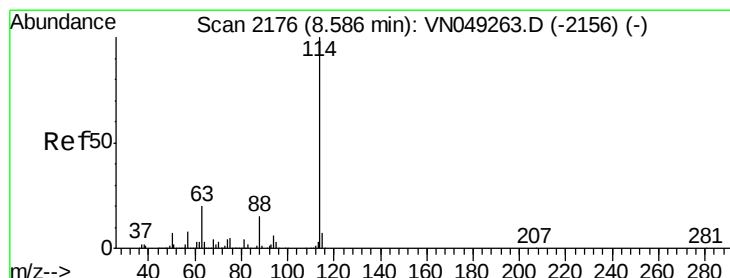
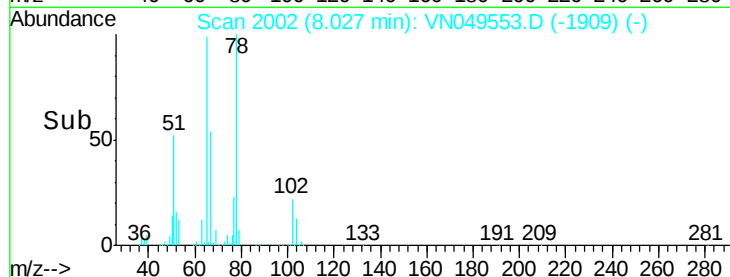
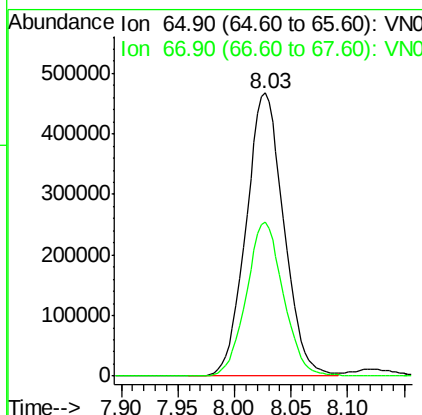
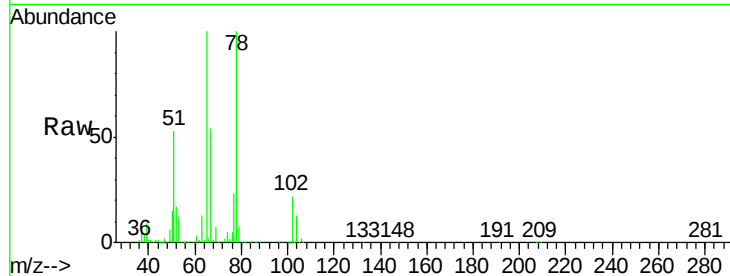




#33
 1,2-Dichloroethane-d4
 Concen: 48.88 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

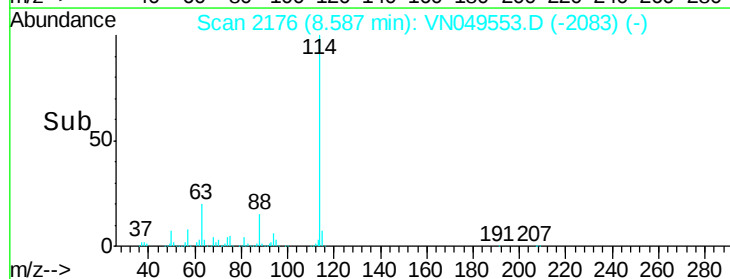
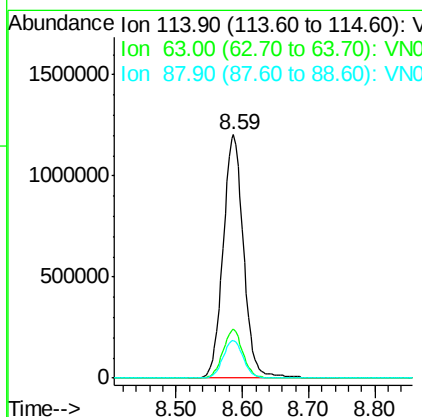
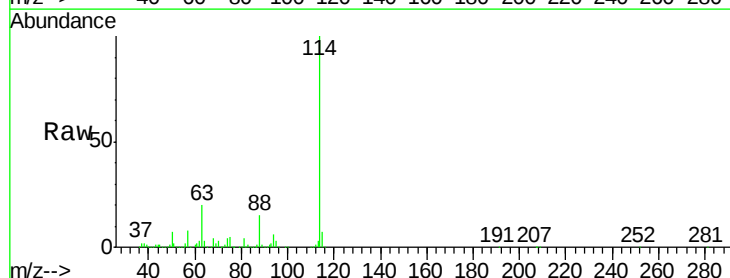
Instrument :
 MSVOA_N
 ClientSampled :

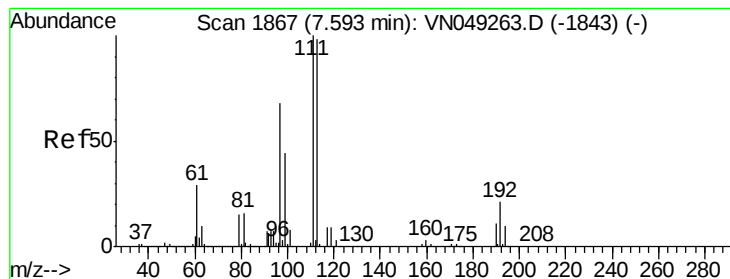
Tot Ion: 65 Resp: 1084266
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion: 114 Resp: 2569693
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.81 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

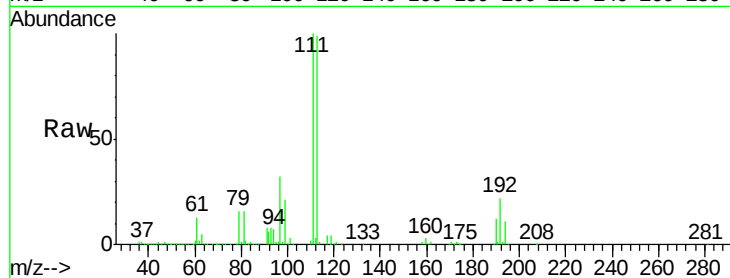
Tot Ion:113 Resp: 973198

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	21.7	15.0	22.6

113 100

111 102.0 82.4 123.6

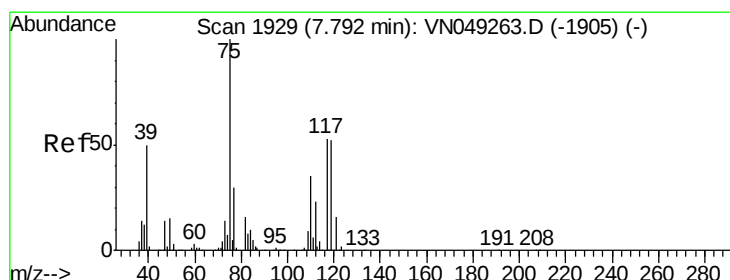
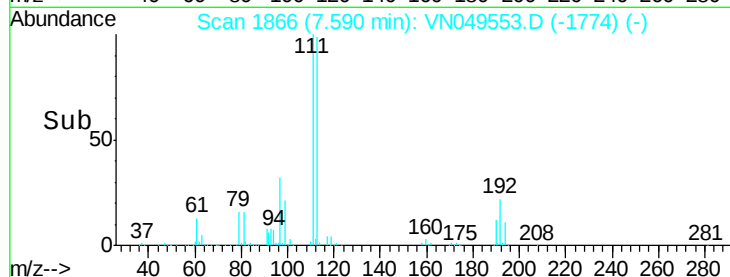
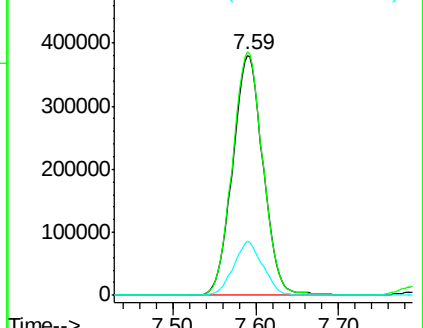
192 21.7 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.36 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

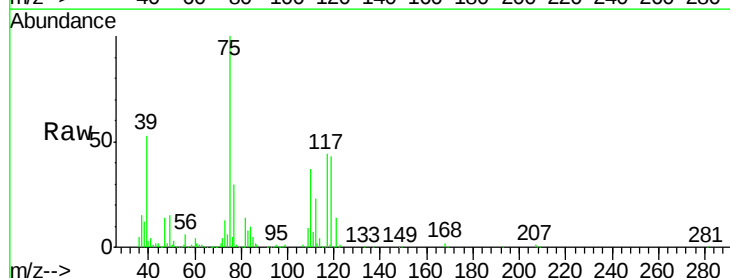
Tgt Ion: 75 Resp: 540736

Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.0	50.9
77	31.4	24.4	36.6

75 100

110 37.0 17.0 50.9

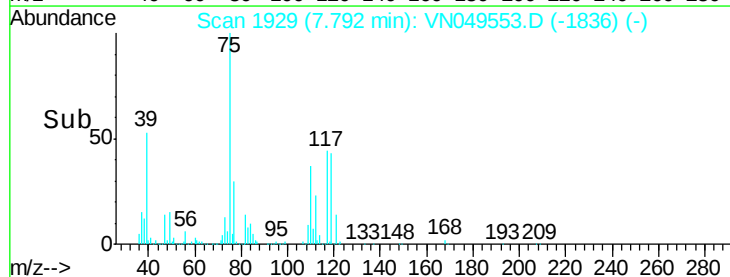
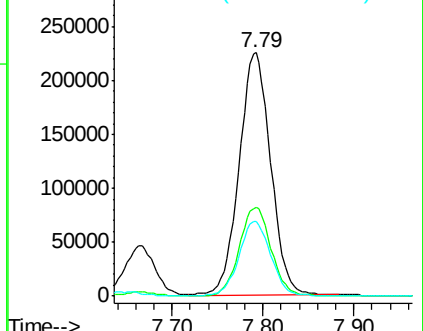
77 31.4 24.4 36.6

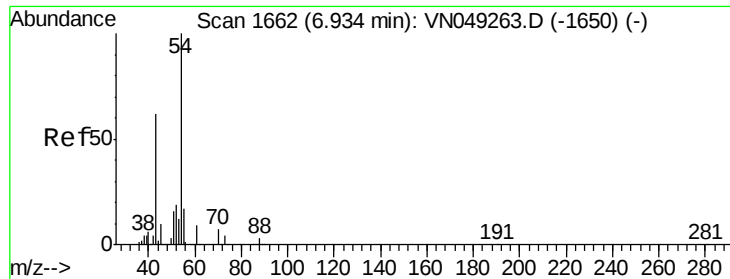


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

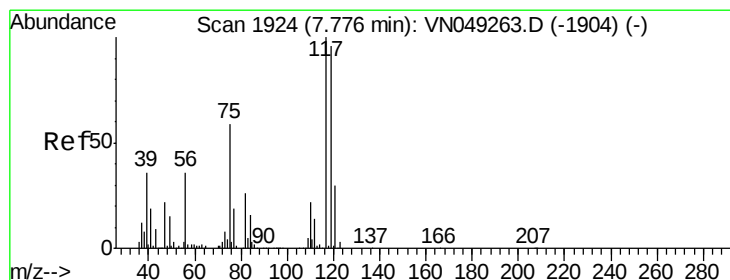
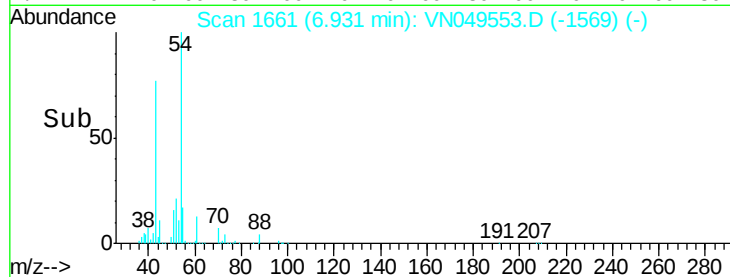
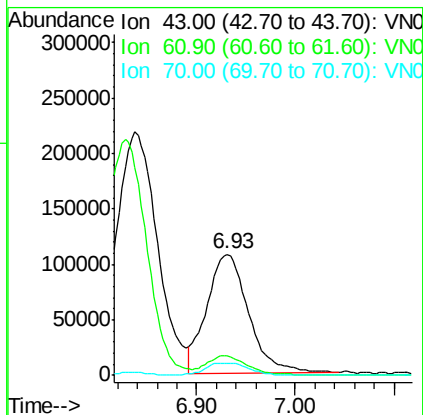
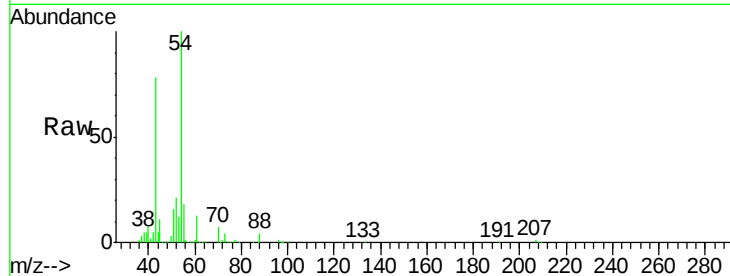




#37
Ethyl Acetate
Concen: 19.68 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

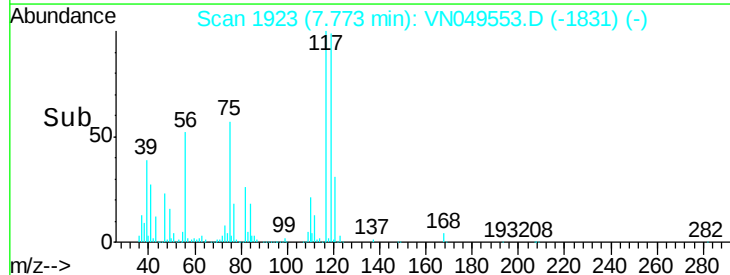
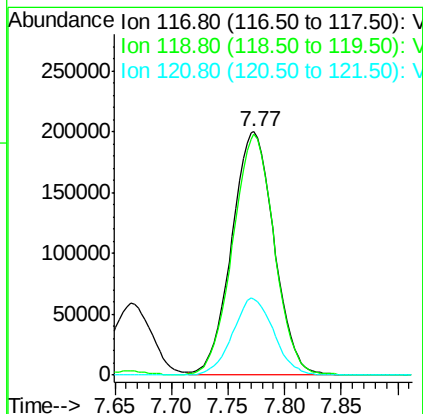
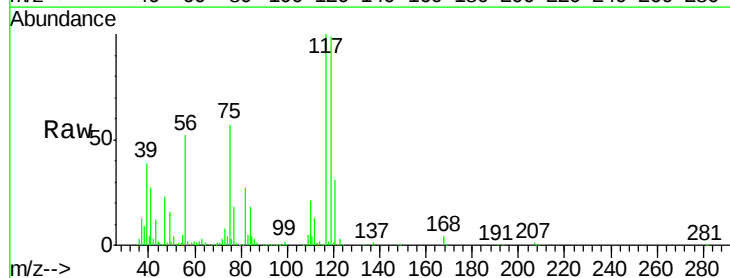
Instrument :
MSVOA_N
ClientSampled :

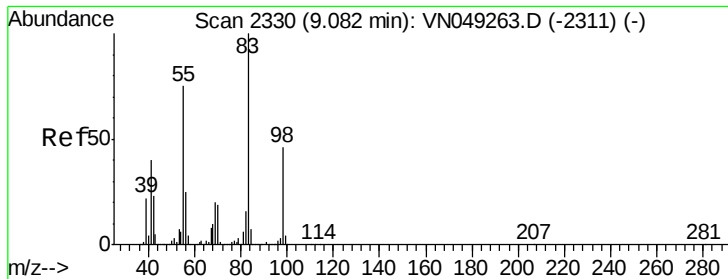
Tot Ion: 43 Resp: 315100
Ion Ratio Lower Upper
43 100
61 15.5 11.0 16.4
70 4.5 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 16.97 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 117 Resp: 517416
Ion Ratio Lower Upper
117 100
119 98.8 75.6 113.4
121 31.3 24.7 37.1

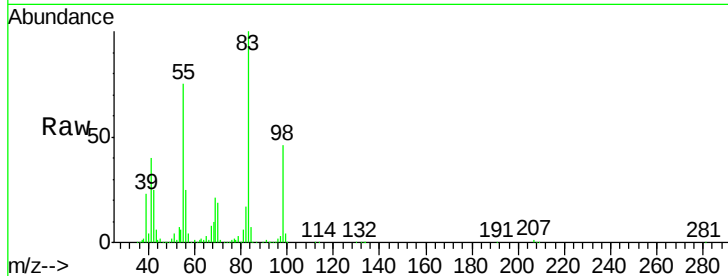




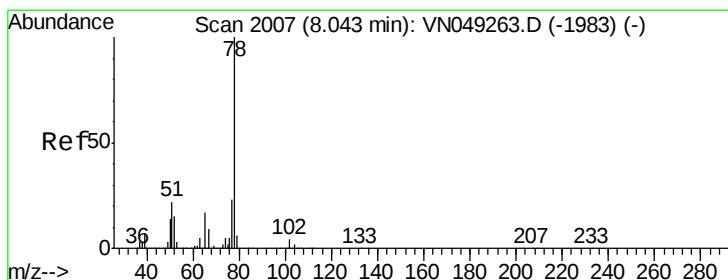
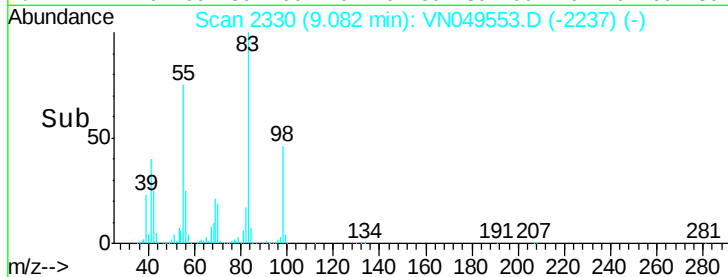
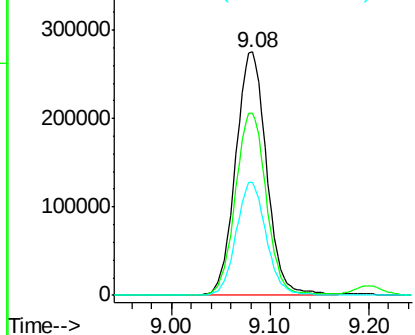
#39
Methvlcvclohexane
Concen: 18.93 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 598501
Ion Ratio Lower Upper
83 100
55 74.8 65.1 97.7
98 46.4 36.5 54.7

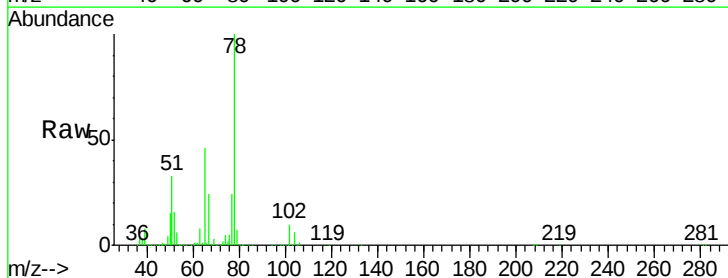


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

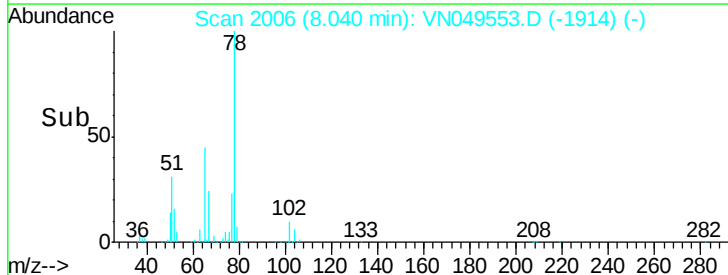
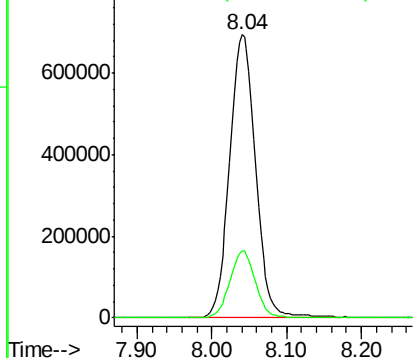


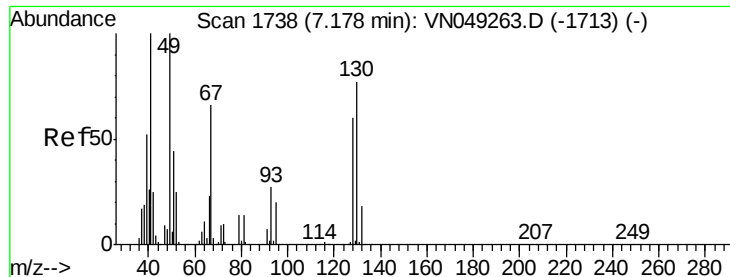
#40
Benzene
Concen: 18.56 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 78 Resp: 1675793
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

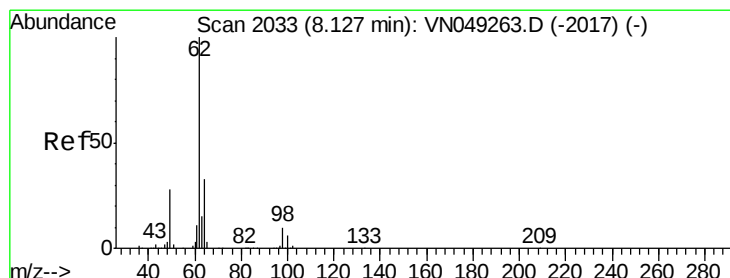
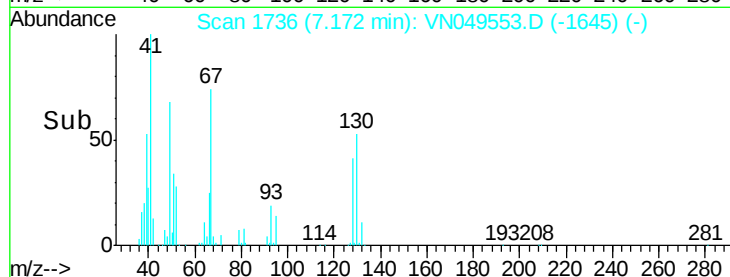
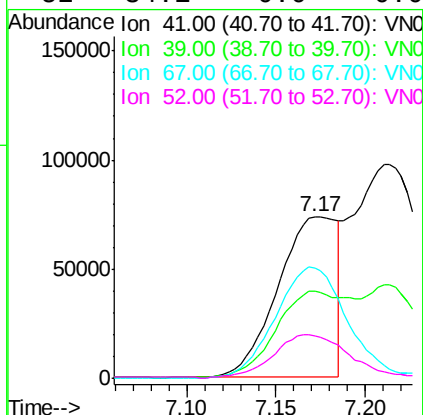
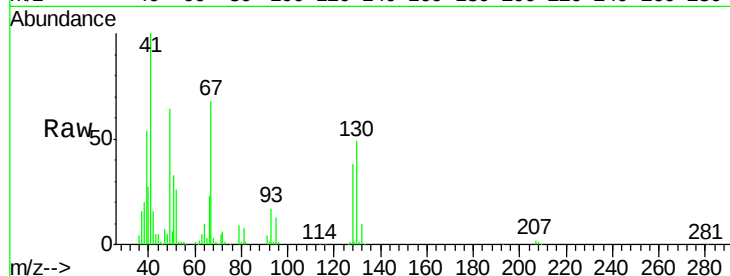




#41
Methacrylonitrile
Concen: 19.61 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

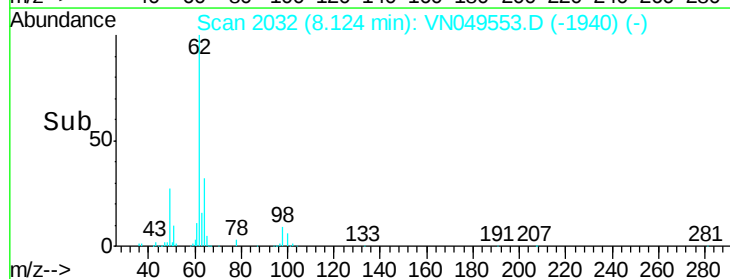
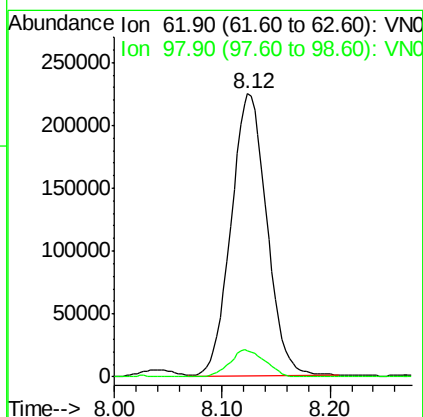
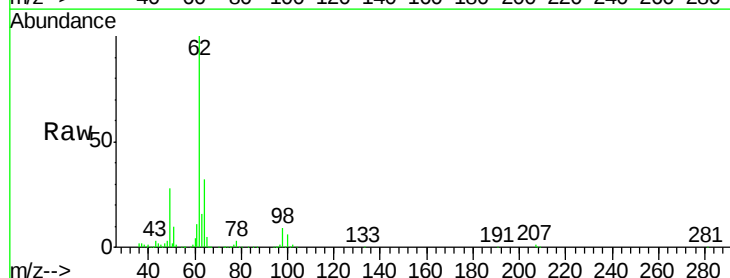
Instrument :
MSVOA_N
ClientSampled :

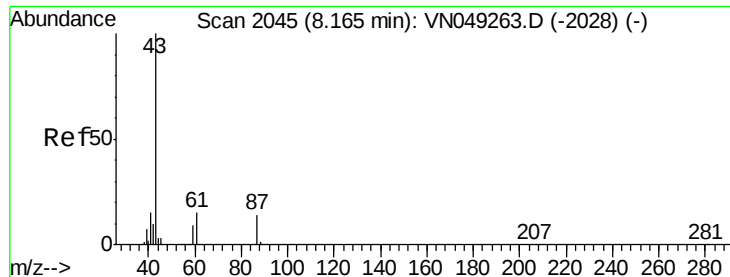
Tot Ion:	41	Resp:	169730
Ion	Ratio	Lower	Upper
41	100		
39	66.4	0.0	0.0#
67	85.3	0.0	0.0#
52	34.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.57 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion:	62	Resp:	518116
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 35.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

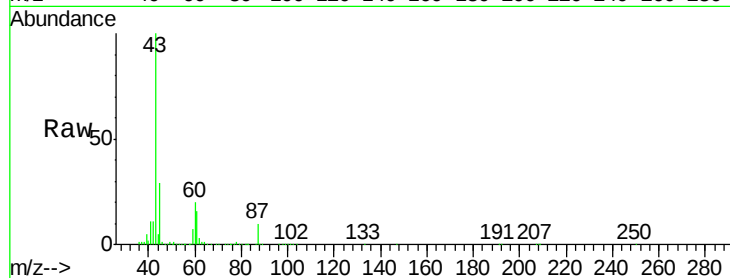
Tot Ion: 43 Resp: 1082194

Ion Ratio Lower Upper

43 100

61 11.1 14.2 21.4#

87 7.4 9.4 14.0#

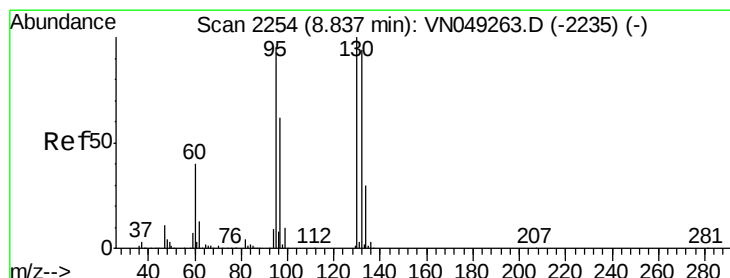
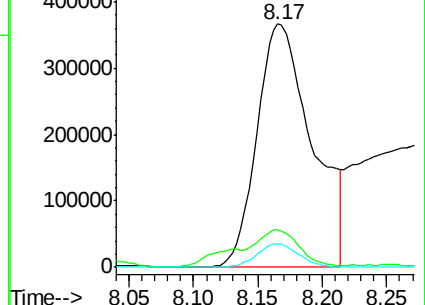
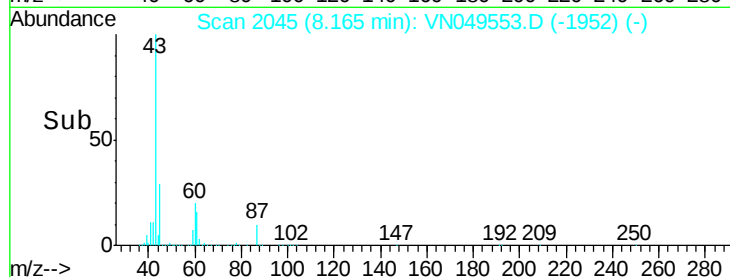


Abundance Ion 43.00 (42.70 to 43.70): VN049553.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049553.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049553.D (-1952) (-)

Time-->



#44

Trichloroethene

Concen: 20.99 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049553.D

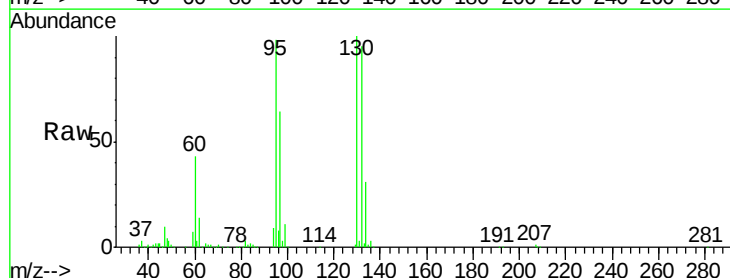
Acq: 26 Jun 2018 15:31

Tgt Ion: 130 Resp: 500577

Ion Ratio Lower Upper

130 100

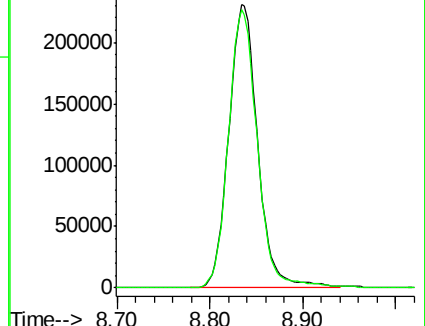
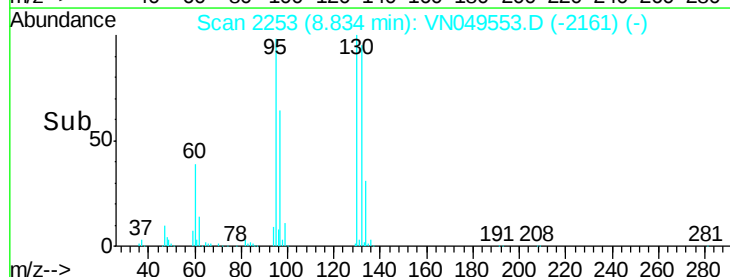
95 98.2 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049553.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049553.D (-2161) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 18.79 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

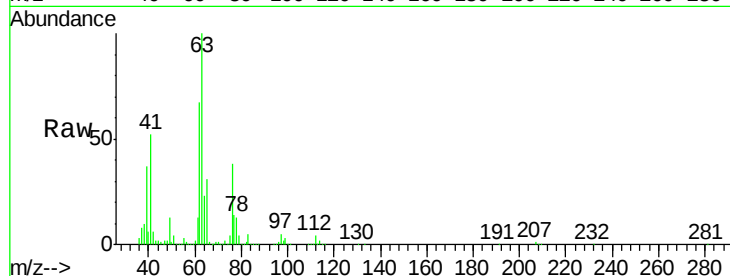
ClientSampled :

Tot Ion: 63 Resp: 444151

Ion Ratio Lower Upper

63 100

65 30.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2316) (-)

Ion 64.90 (64.60 to 65.60): VN049263.D (-2316) (-)

9.12

200000

150000

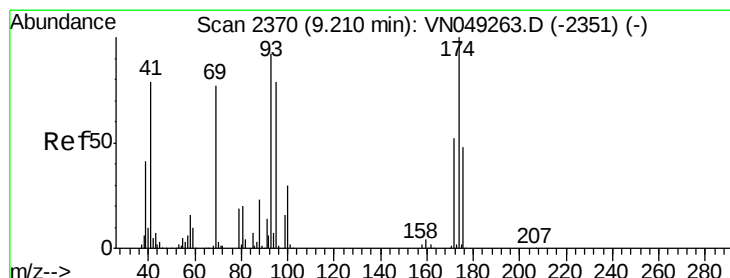
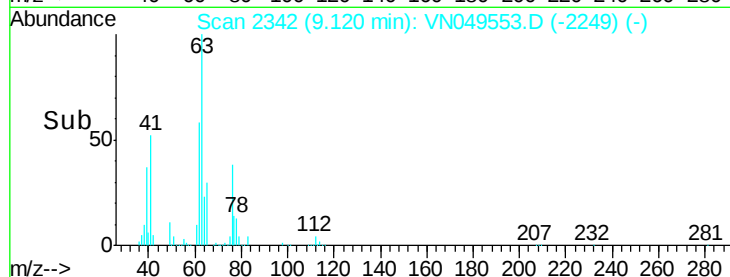
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 18.63 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

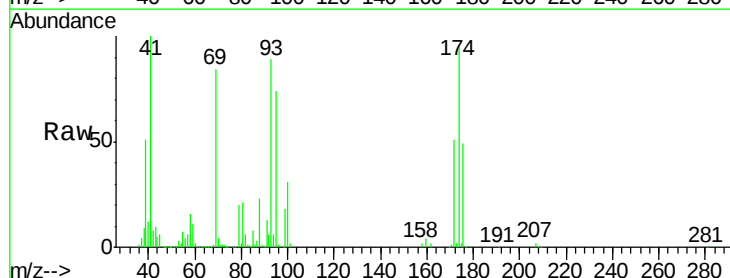
Tgt Ion: 93 Resp: 255436

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 109.6 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049263.D (-2351) (-)

Ion 94.80 (94.50 to 95.50): VN049263.D (-2351) (-)

Ion 173.70 (173.40 to 174.40): VN049263.D (-2351) (-)

150000

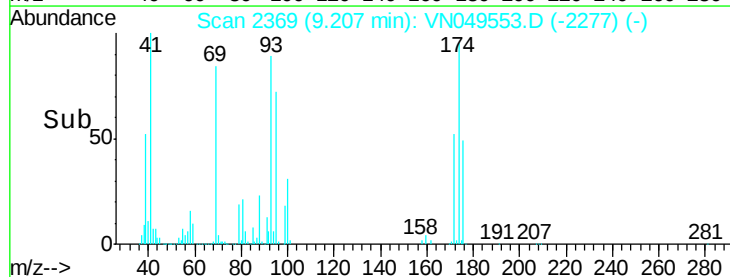
100000

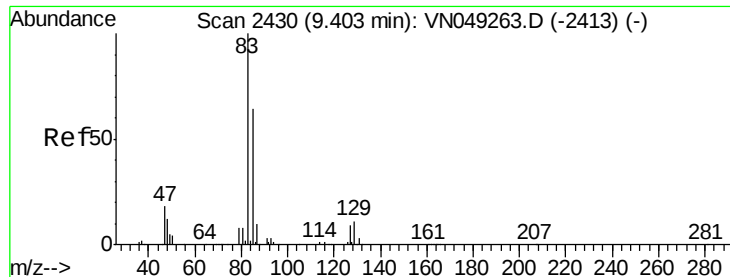
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 18.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

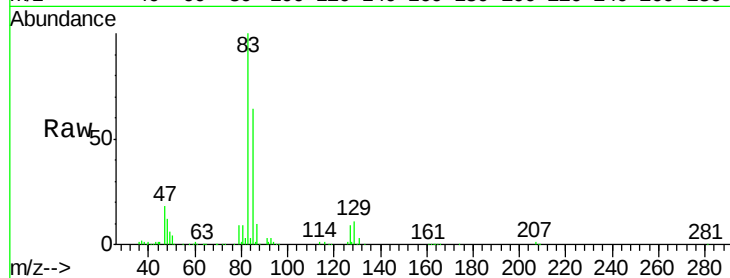
Tot Ion: 83 Resp: 547956

Ion Ratio Lower Upper

83 100

85 64.4 49.4 74.0

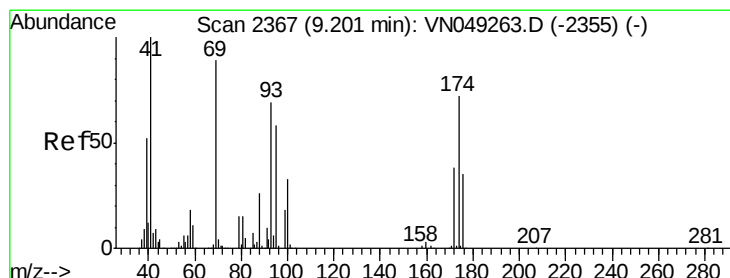
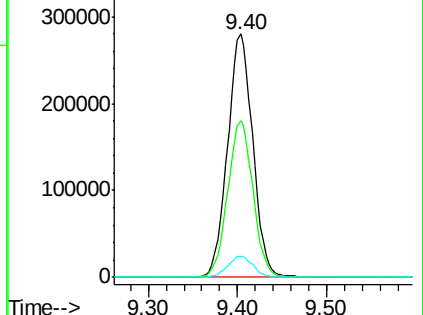
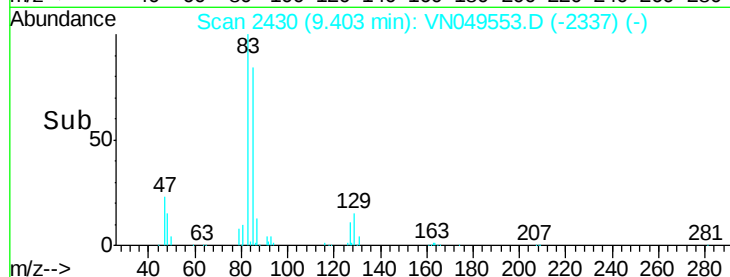
127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049553.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049553.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049553.D (-2337) (-)



#48

Methyl methacrylate

Concen: 21.14 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

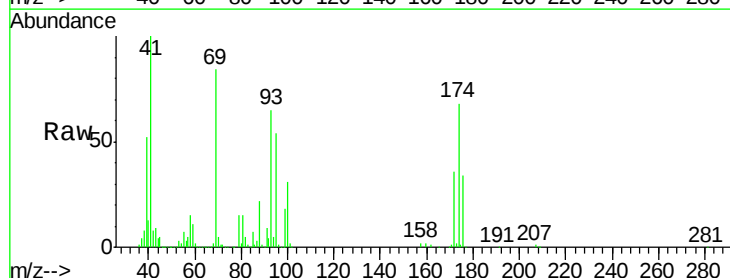
Tgt Ion: 41 Resp: 304547

Ion Ratio Lower Upper

41 100

69 86.1 62.0 93.0

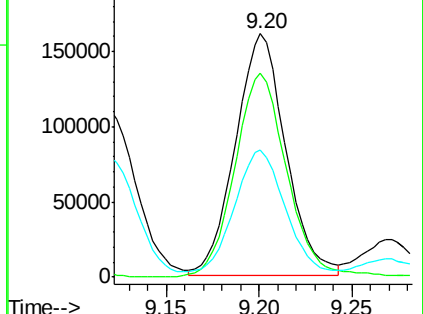
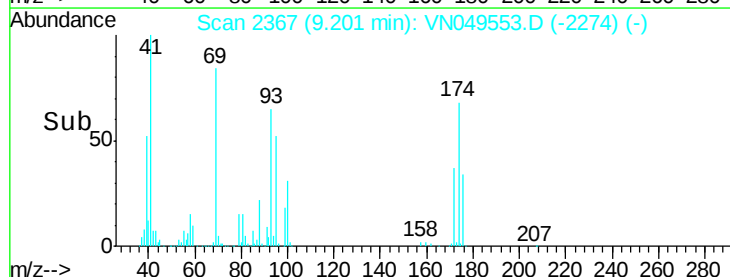
39 54.4 50.6 75.8

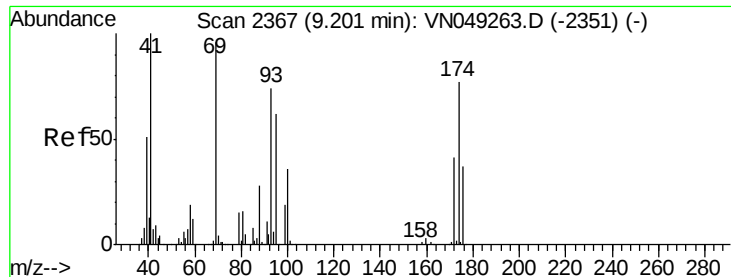


Abundance Ion 41.00 (40.70 to 41.70): VN049553.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049553.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049553.D (-2274) (-)

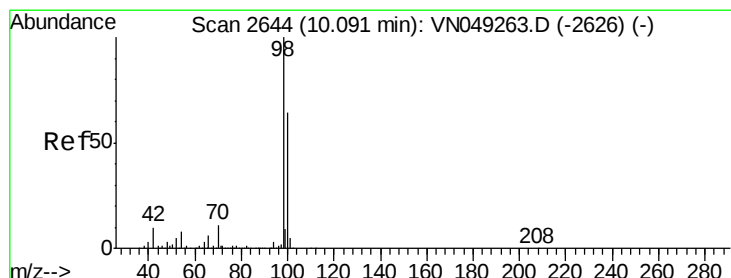
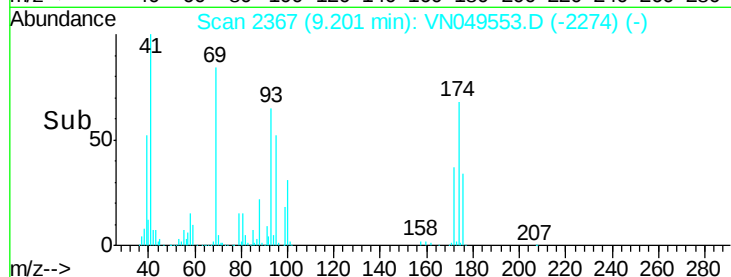
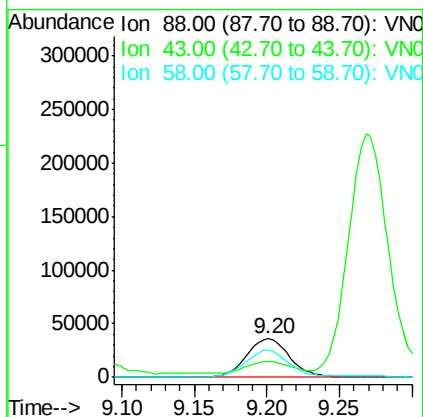
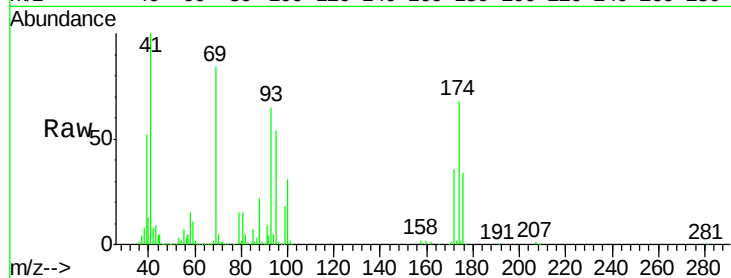




#49
1,4-Dioxane
Concen: 378.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

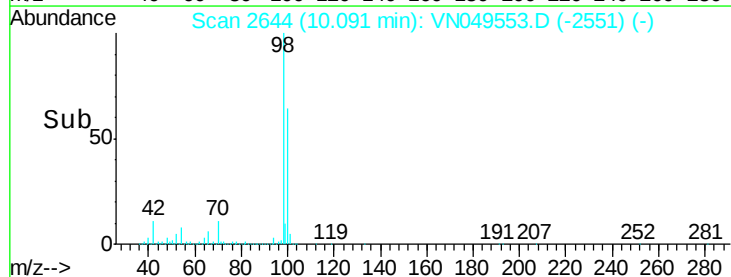
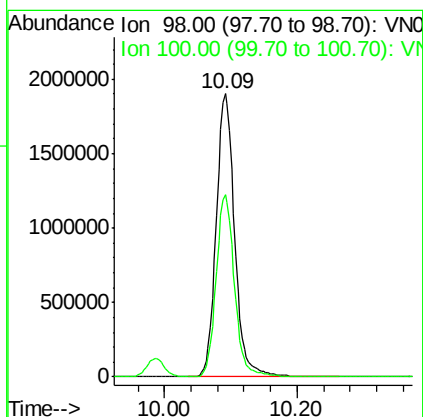
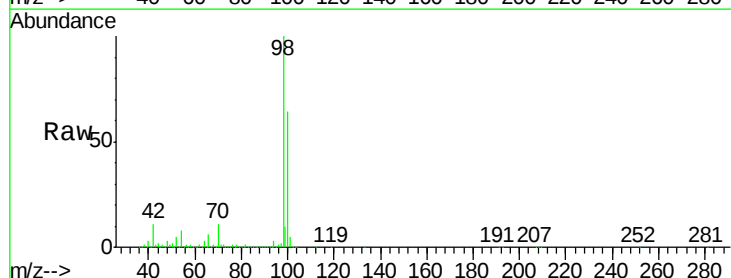
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 75177
Ion Ratio Lower Upper
88 100
43 33.3 30.9 46.3
58 68.5 58.9 88.3



#50
Toluene-d8
Concen: 46.35 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 98 Resp: 3668933
Ion Ratio Lower Upper
98 100
100 64.2 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 96.87 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

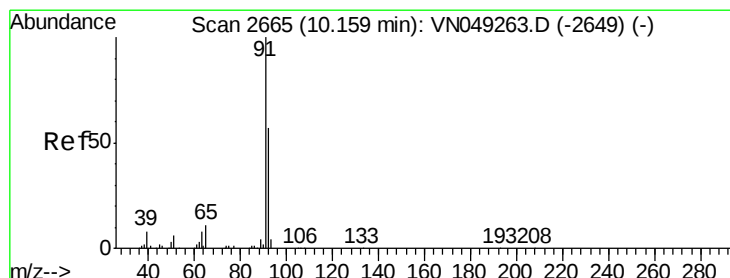
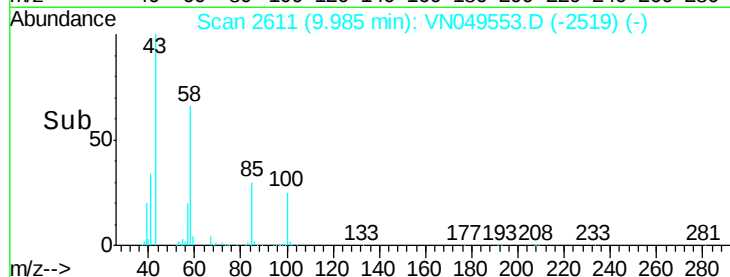
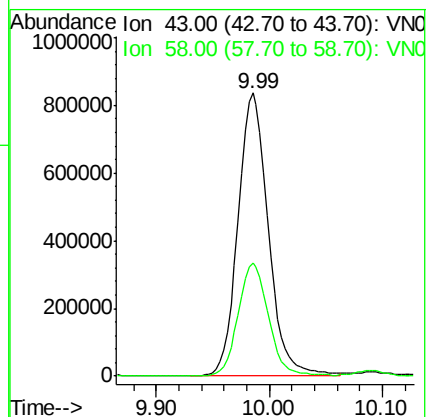
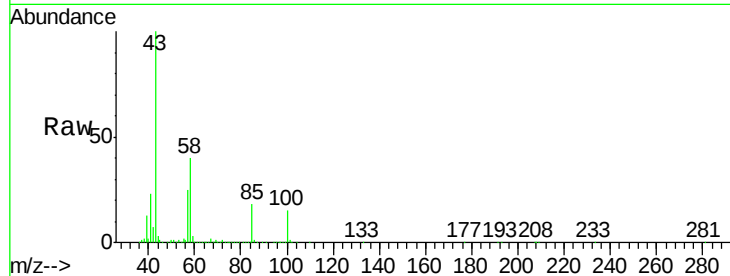
ClientSampleId :

Tot Ion: 43 Resp: 1553178

Ion Ratio Lower Upper

43 100

58 40.1 29.0 43.6



#52

Toluene

Concen: 19.26 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049553.D

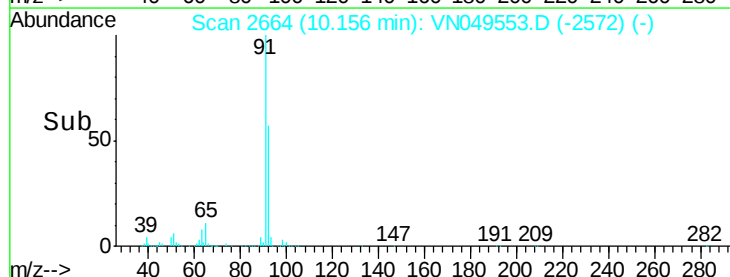
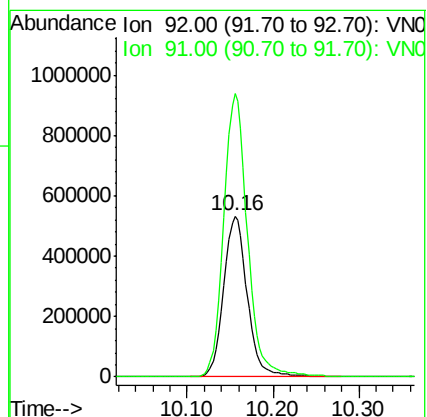
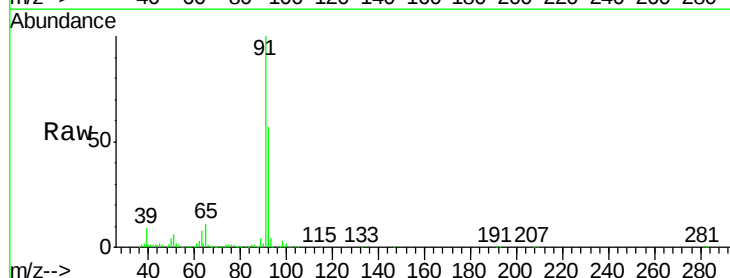
Acq: 26 Jun 2018 15:31

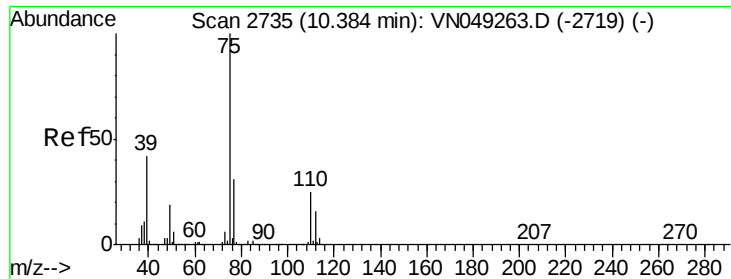
Tgt Ion: 92 Resp: 1020639

Ion Ratio Lower Upper

92 100

91 177.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.42 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

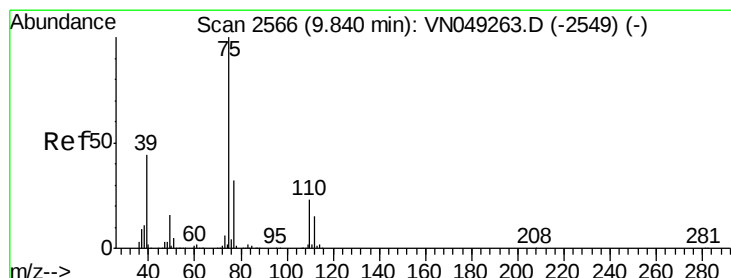
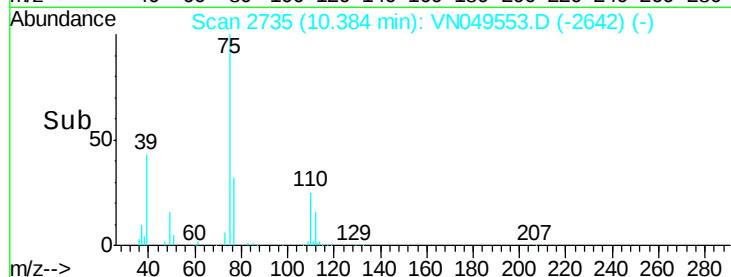
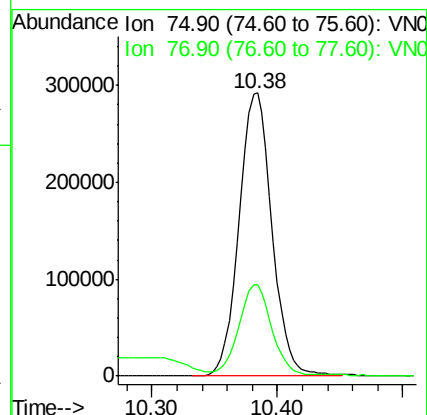
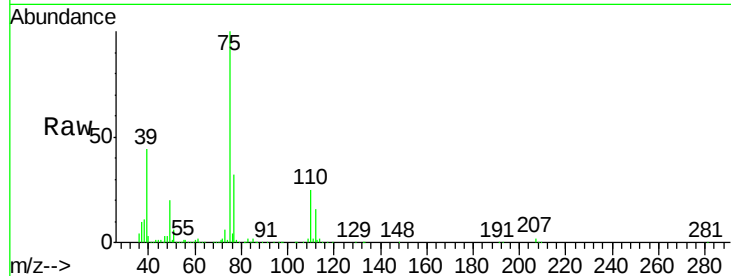
ClientSampleId :

Tot Ion: 75 Resp: 530915

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

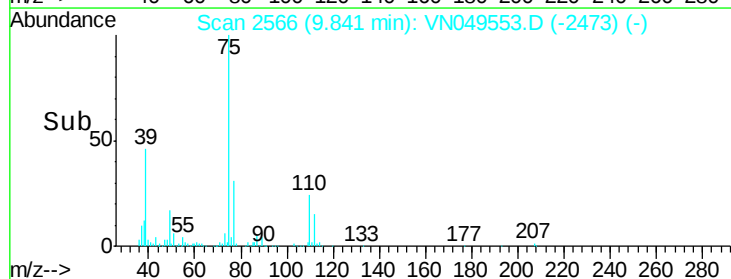
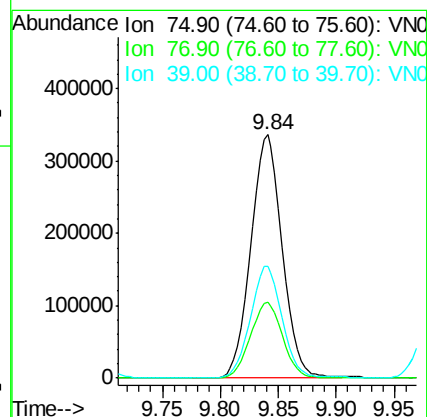
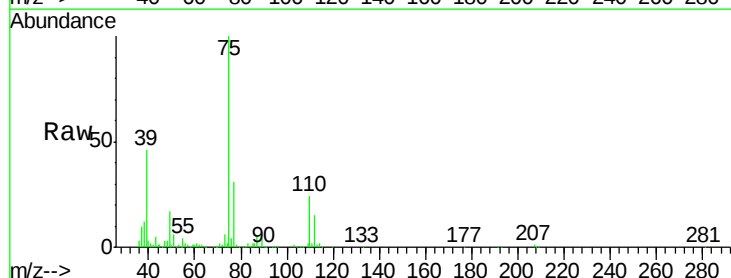
Tgt Ion: 75 Resp: 633788

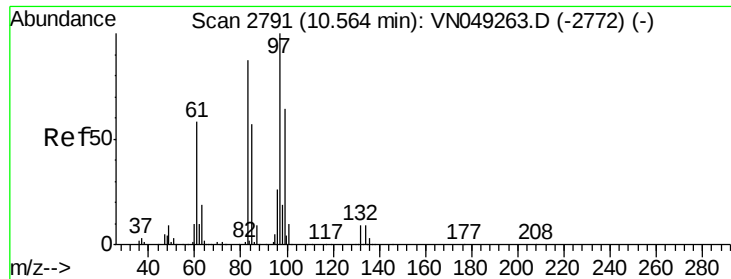
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 45.9 45.1 67.7

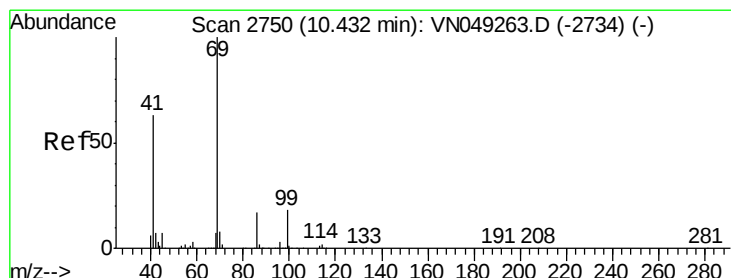
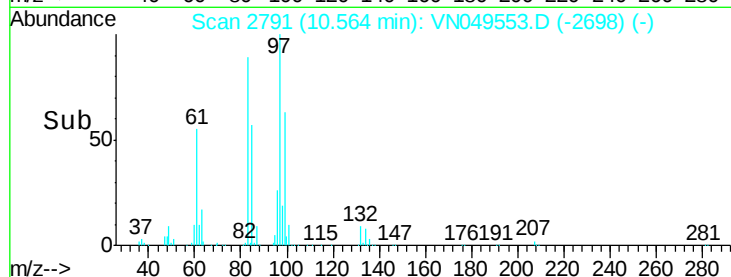
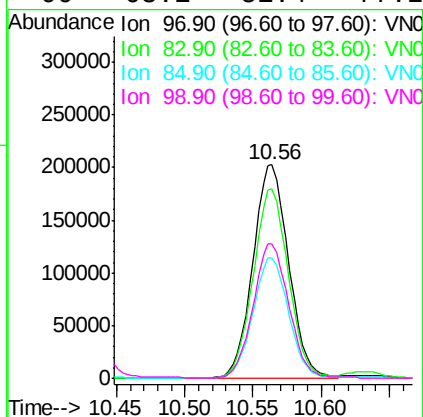
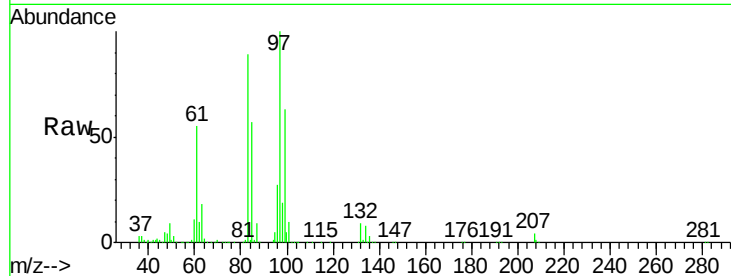




#55
 1,1,2-Trichloroethane
 Concen: 18.61 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

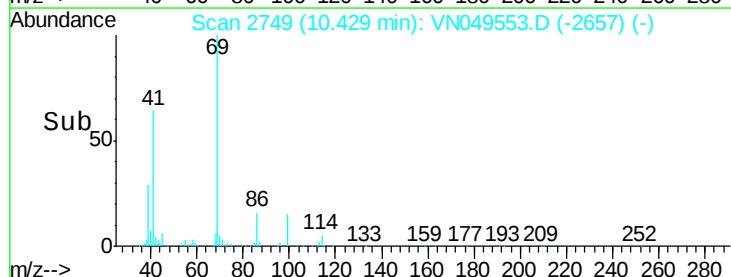
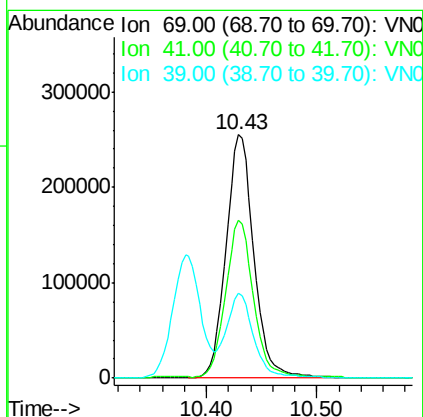
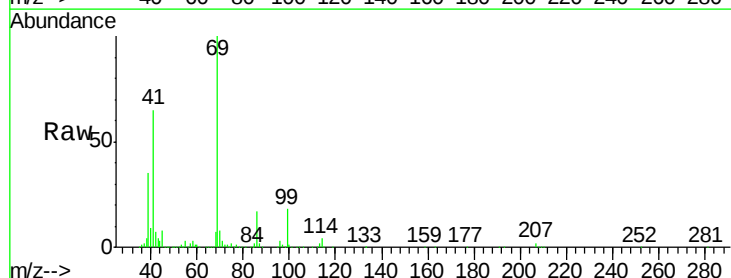
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	367599
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.5	107.3
85	56.7	47.0	70.4
99	63.1	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 19.58 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion:	69	Resp:	446144
Ion	Ratio	Lower	Upper
69	100		
41	64.1	58.4	87.6
39	34.3	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 18.91 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

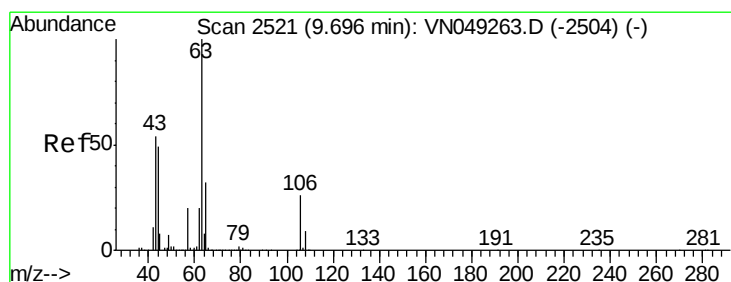
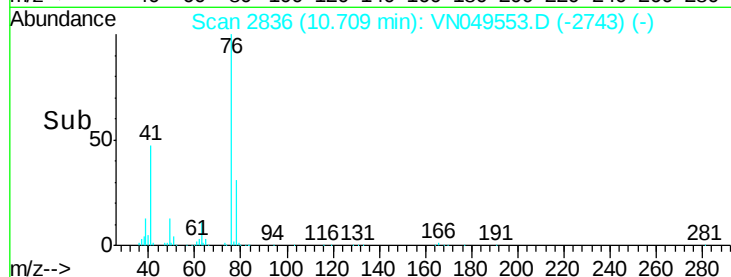
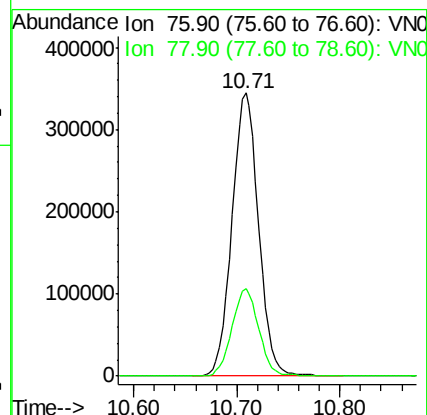
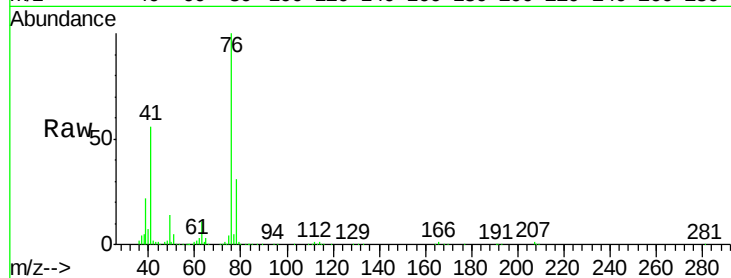
ClientSampleId :

Tot Ion: 76 Resp: 618988

Ion Ratio Lower Upper

76 100

78 31.4 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 146.80 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049553.D

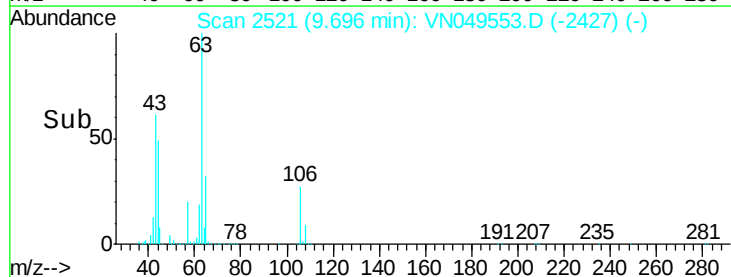
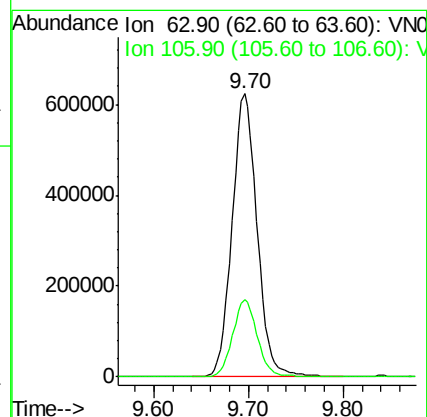
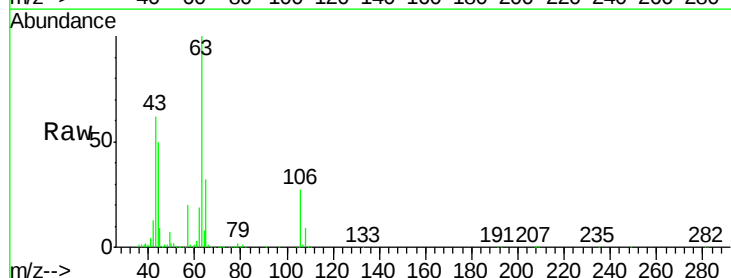
Acq: 26 Jun 2018 15:31

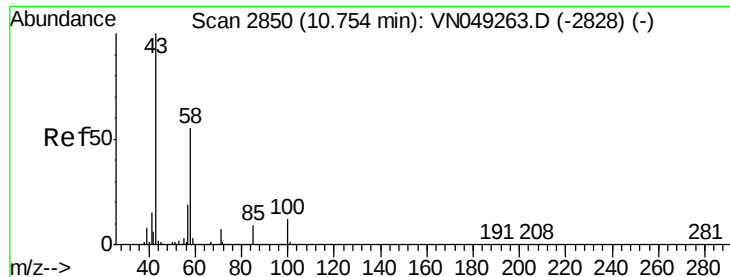
Tgt Ion: 63 Resp: 1144982

Ion Ratio Lower Upper

63 100

106 27.0 19.4 29.2

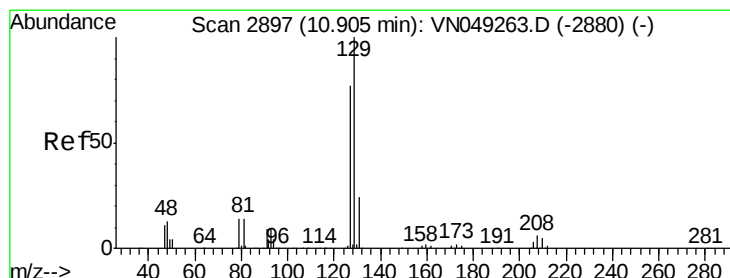
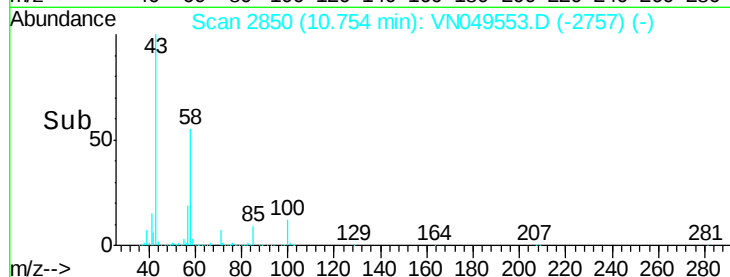
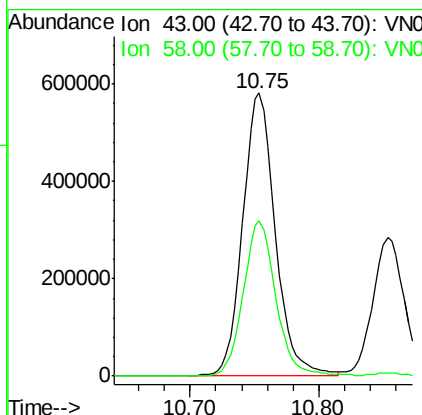
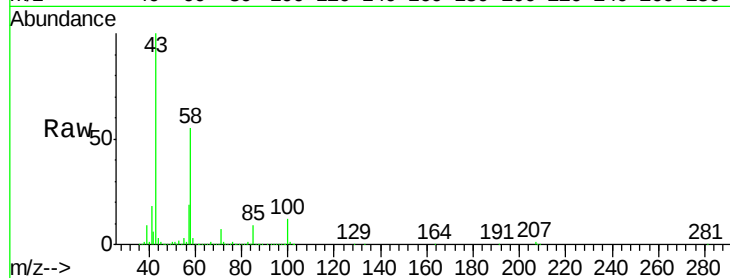




#59
2-Hexanone
Concen: 98.11 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

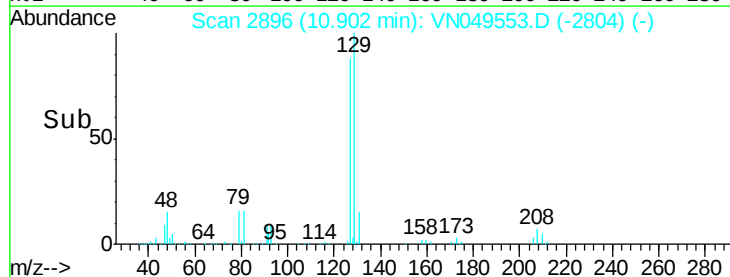
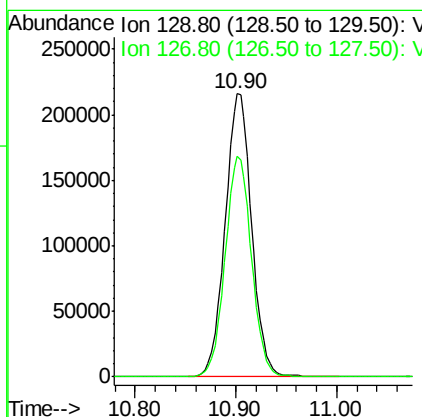
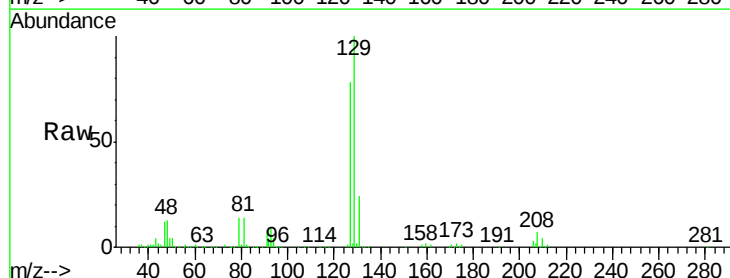
Instrument :
MSVOA_N
ClientSampled :

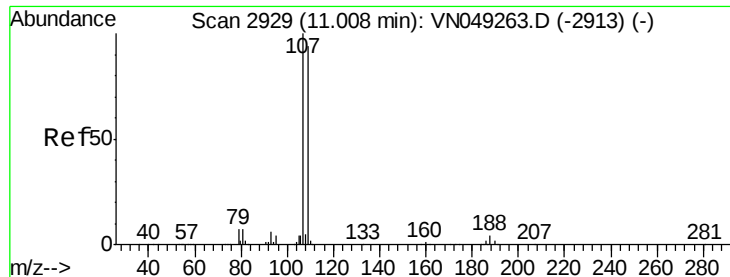
Tot Ion: 43 Resp: 1014166
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6



#60
Dibromochloromethane
Concen: 17.92 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 129 Resp: 395149
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.59 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

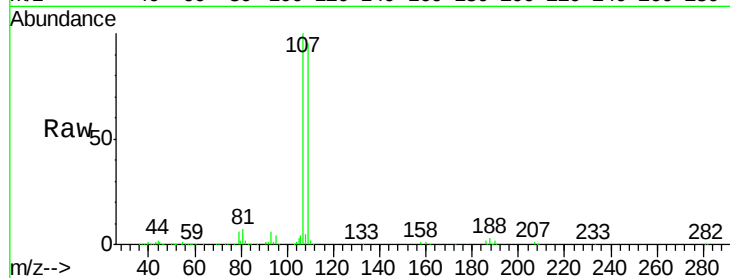
ClientSampleId :

Tot Ion:107 Resp: 359795

Ion Ratio Lower Upper

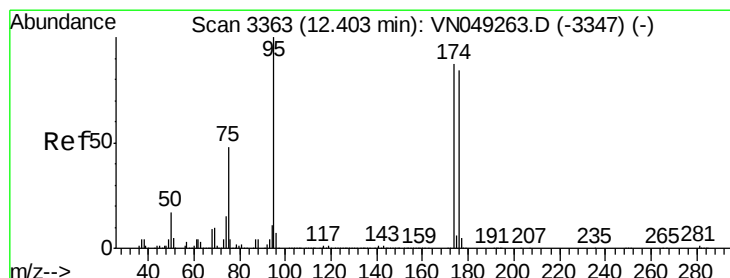
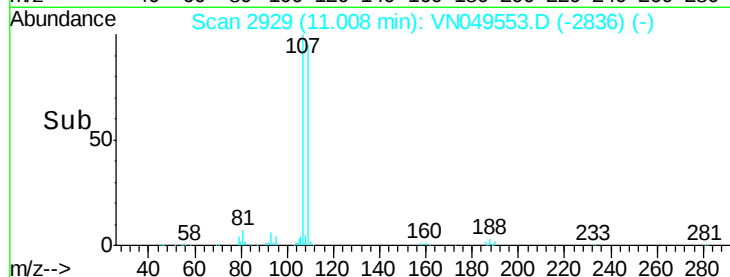
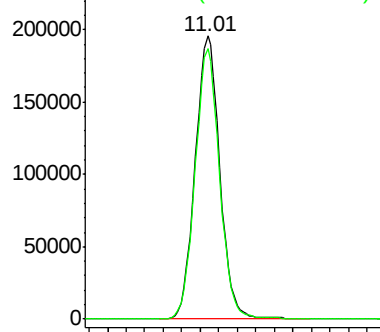
107 100

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: 47.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

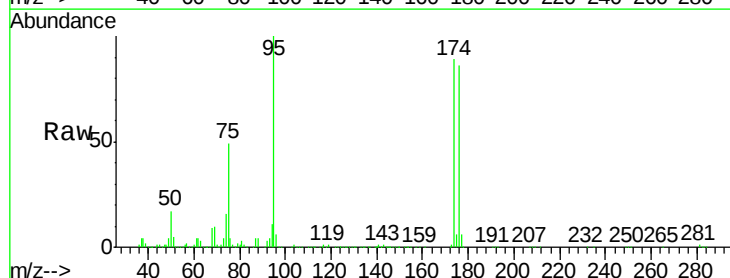
Tgt Ion: 95 Resp: 1251310

Ion Ratio Lower Upper

95 100

174 89.1 0.0 165.6

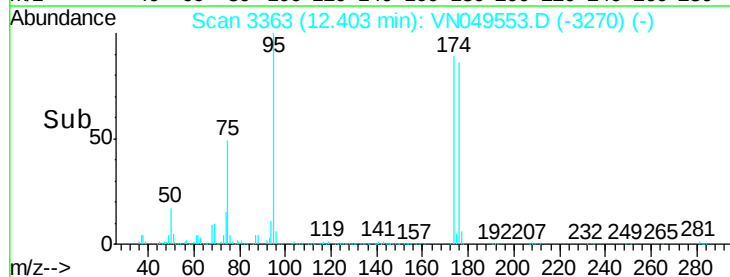
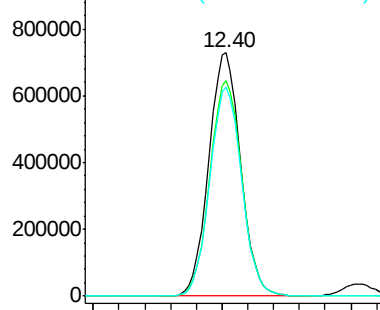
176 85.9 0.0 157.4

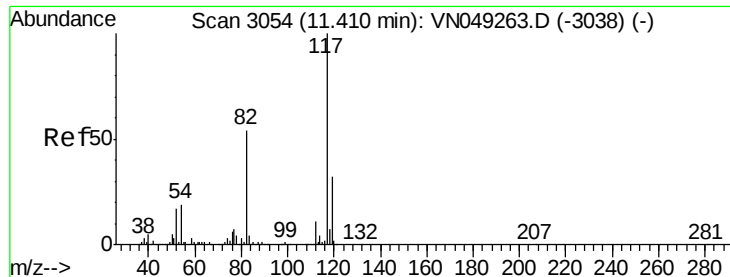


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

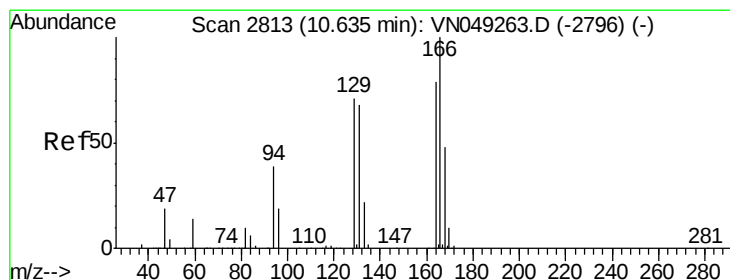
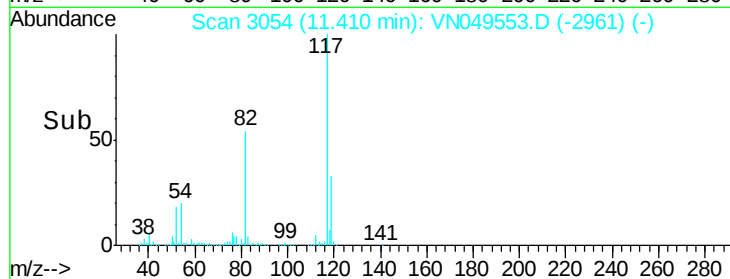
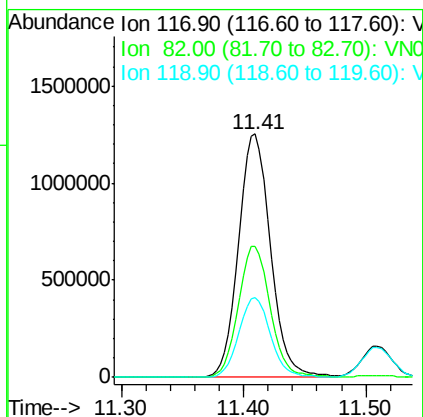
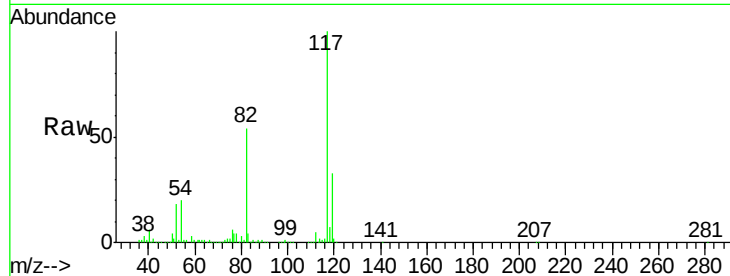




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

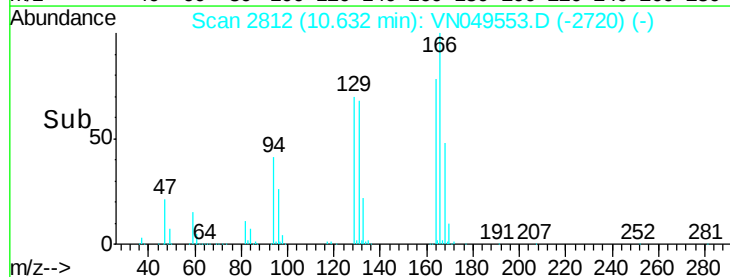
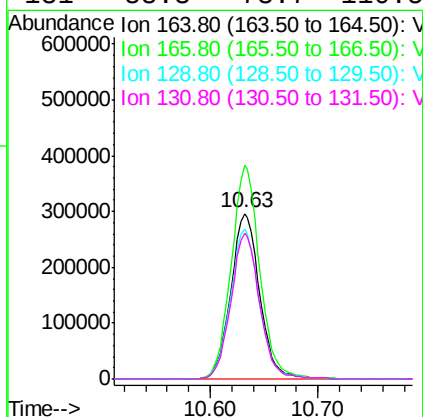
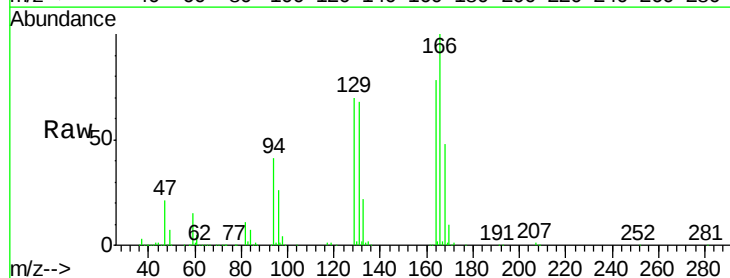
Instrument :
MSVOA_N
ClientSampleId :

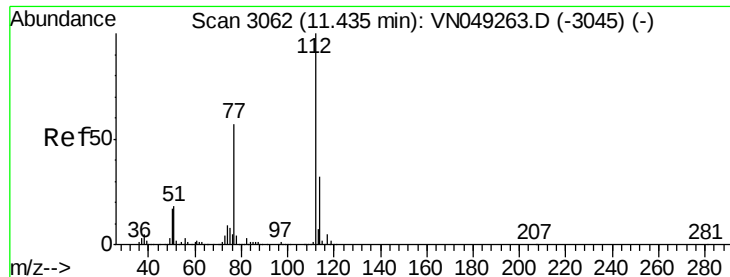
Tot Ion:117 Resp: 2270411
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 23.72 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion:164 Resp: 551949
Ion Ratio Lower Upper
164 100
166 129.0 101.4 152.2
129 90.5 74.1 111.1
131 88.3 73.7 110.5





#65

Chlorobenzene

Concen: 19.13 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

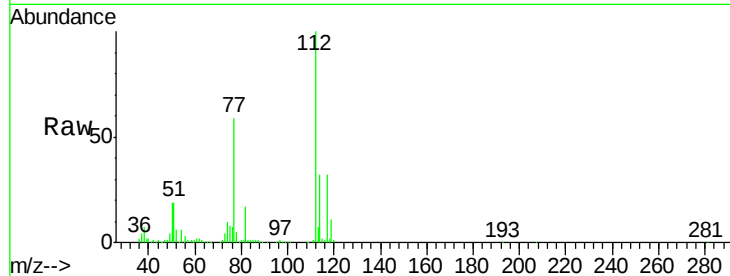
ClientSampleId :

Tot Ion:112 Resp: 1118617

Ion Ratio Lower Upper

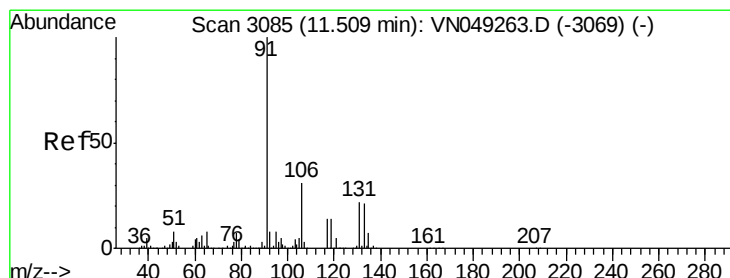
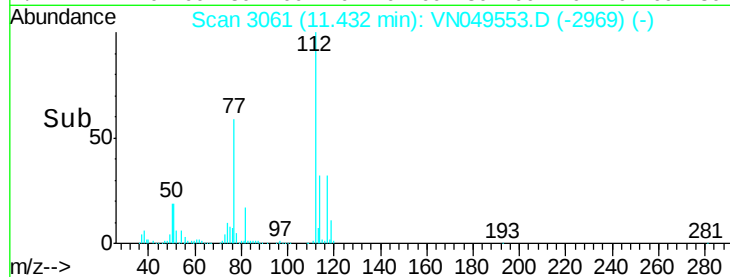
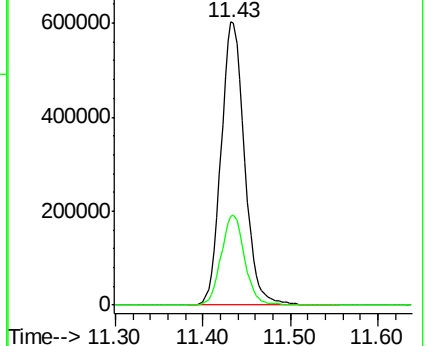
112 100

114 31.6 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.37 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

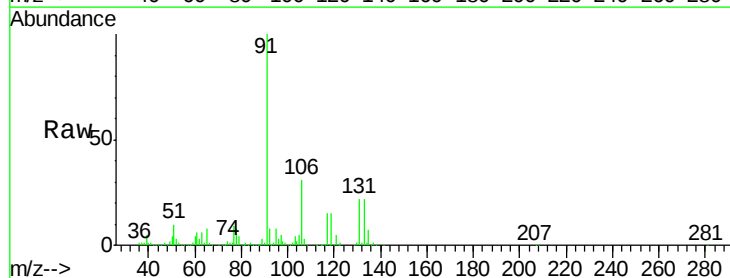
Tgt Ion:131 Resp: 404300

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.2

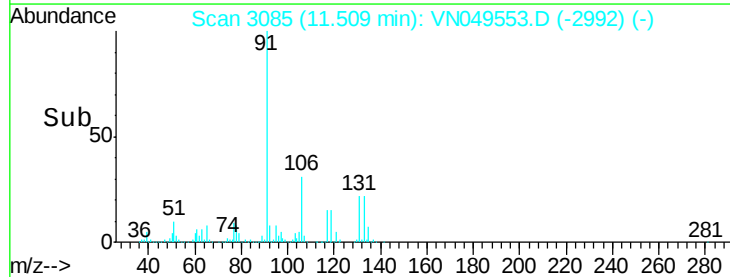
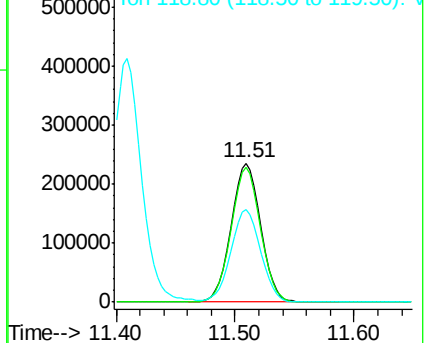
119 66.9 33.6 100.8

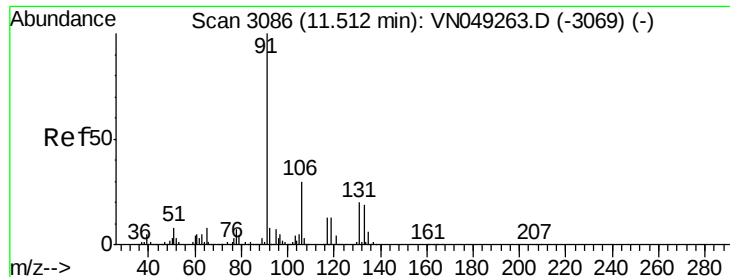


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

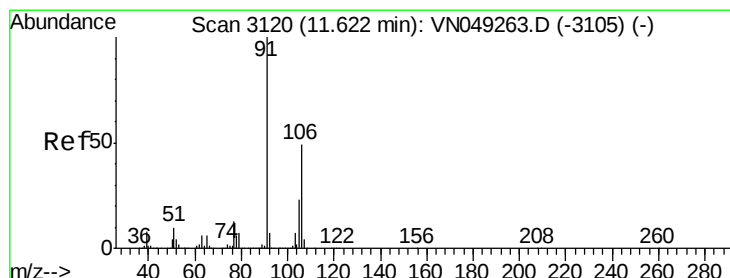
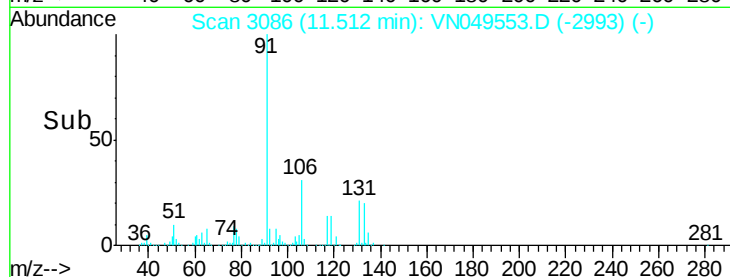
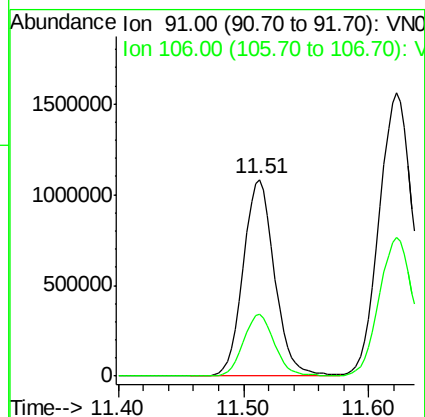
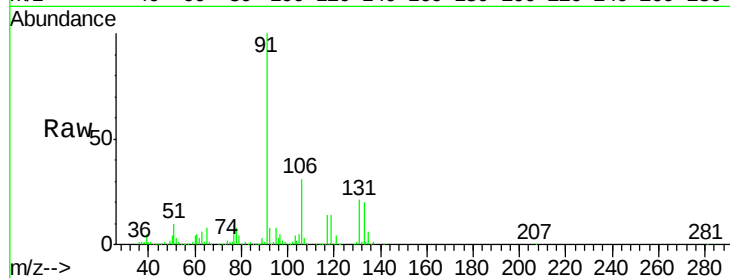
ClientSampleId :

Tot Ion: 91 Resp: 1891010

Ion Ratio Lower Upper

91 100

106 31.3 23.9 35.9



#68

m/p-Xylenes

Concen: 40.44 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049553.D

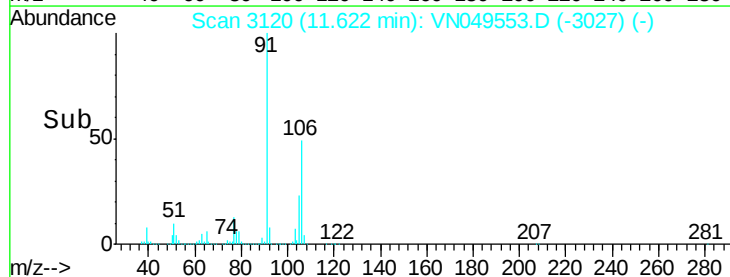
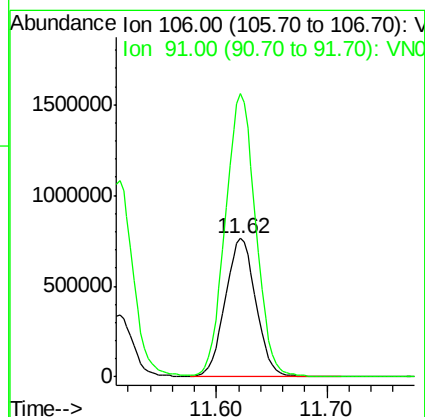
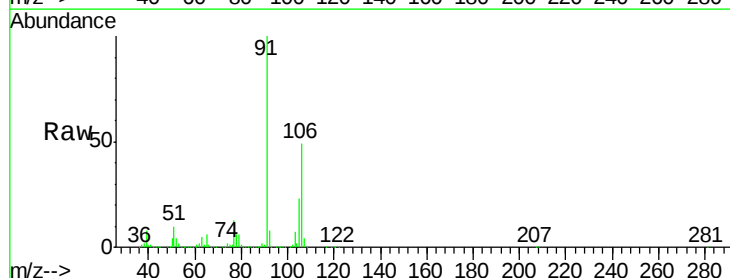
Acq: 26 Jun 2018 15:31

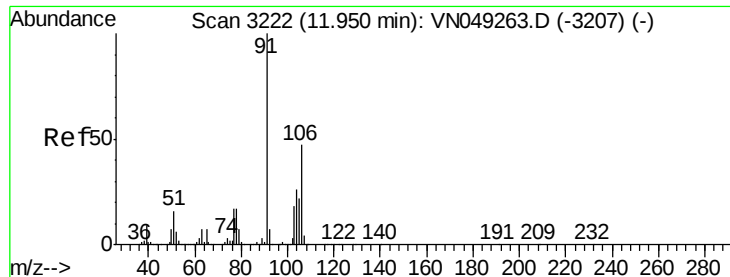
Tgt Ion: 106 Resp: 1472478

Ion Ratio Lower Upper

106 100

91 202.1 167.3 250.9

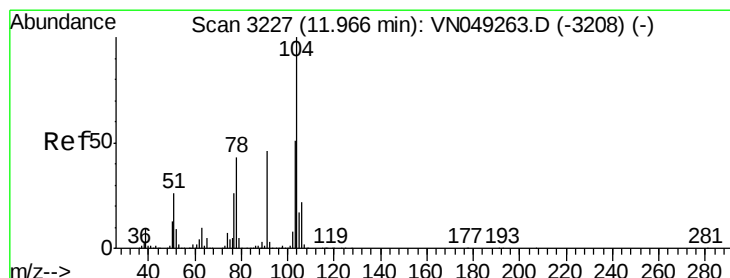
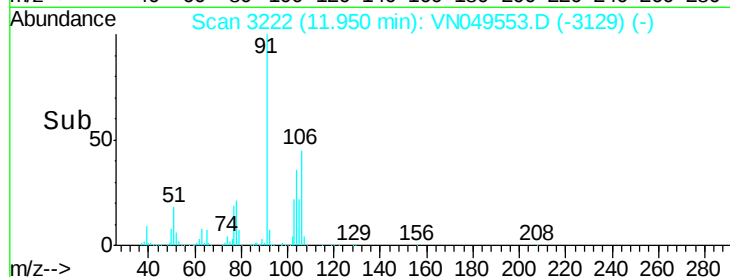
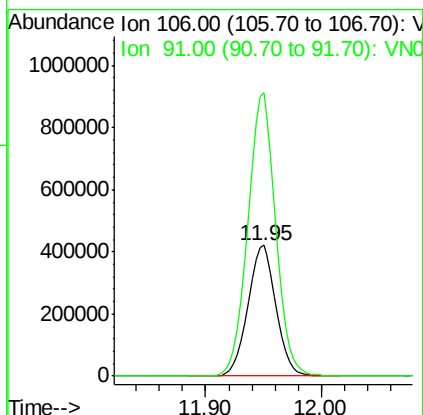
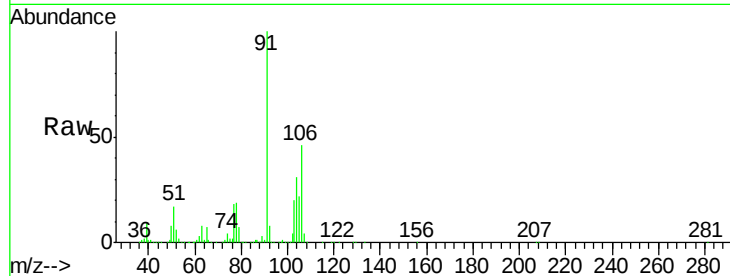




#69
o-Xylene
Concen: 20.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

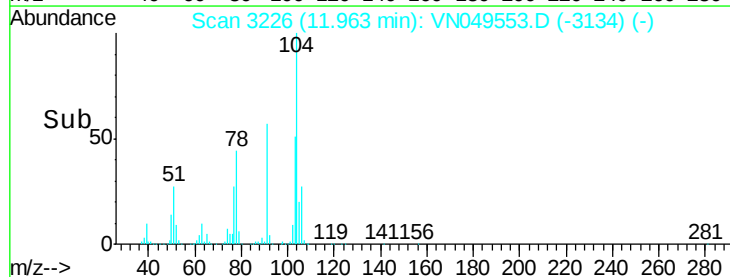
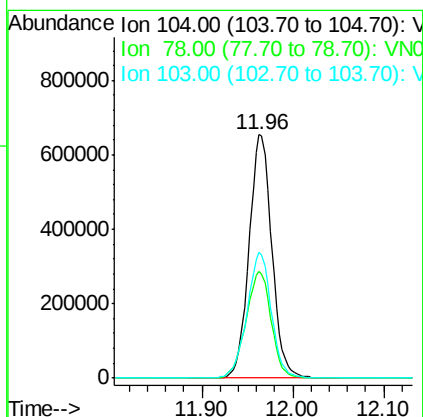
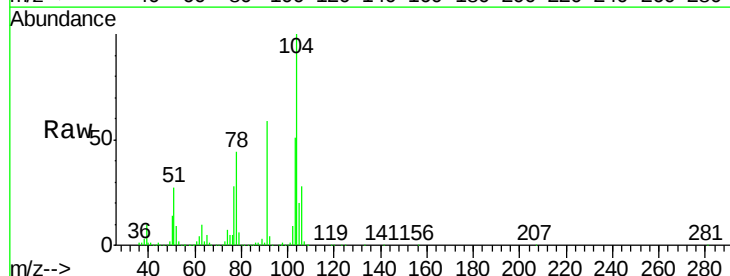
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 710190
Ion Ratio Lower Upper
106 100
91 215.3 111.0 333.0



#70
Styrene
Concen: 20.57 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion:104 Resp: 1137865
Ion Ratio Lower Upper
104 100
78 48.6 41.6 62.4
103 55.0 45.4 68.2





#71

Bromoform

Concen: 17.81 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

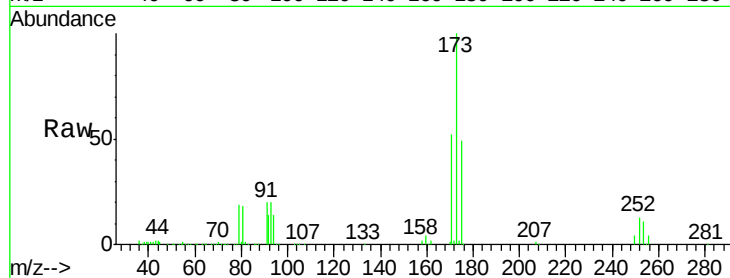
Tot Ion:173 Resp: 253773

Ion Ratio Lower Upper

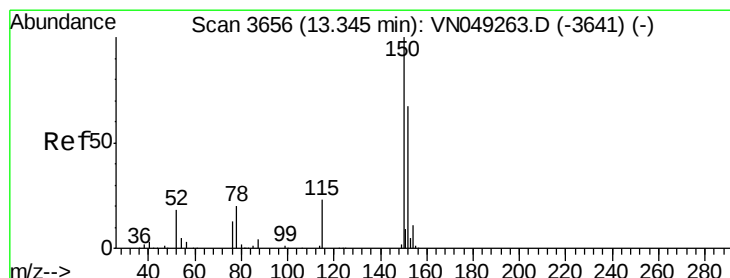
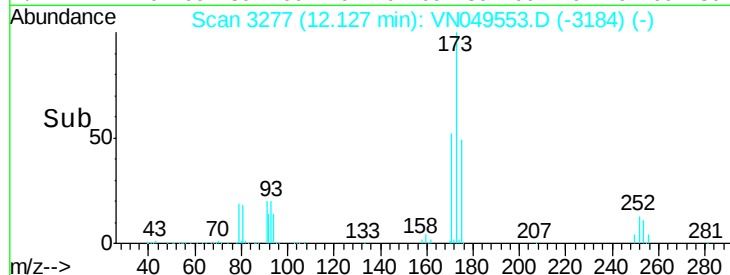
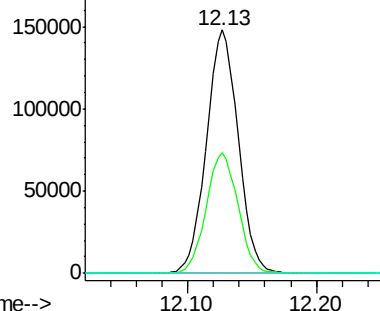
173 100

175 49.5 24.5 73.5

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

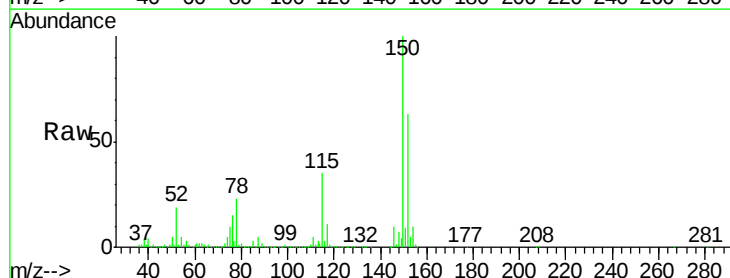
Tgt Ion:152 Resp: 1178211

Ion Ratio Lower Upper

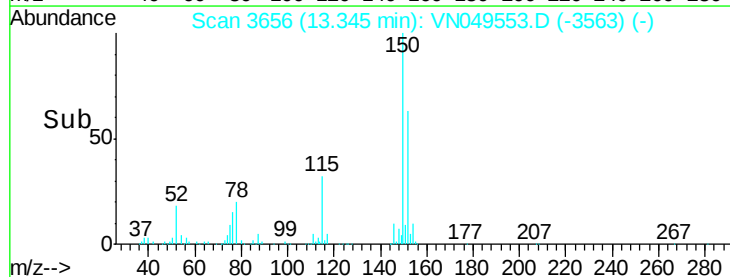
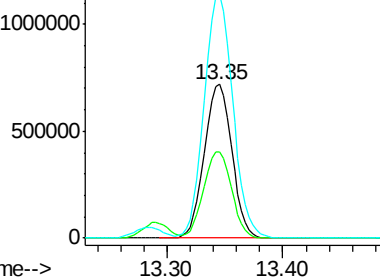
152 100

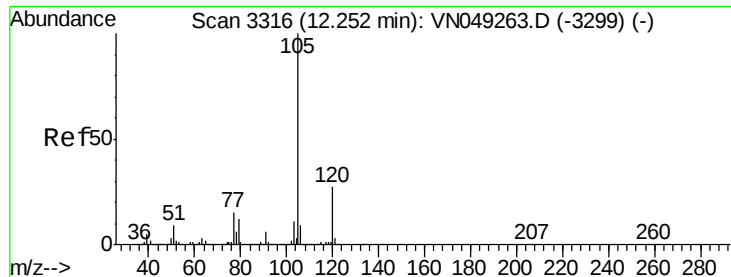
115 56.8 28.7 86.1

150 165.1 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: 17.92 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

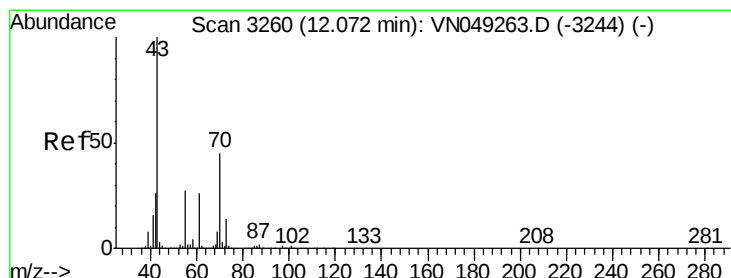
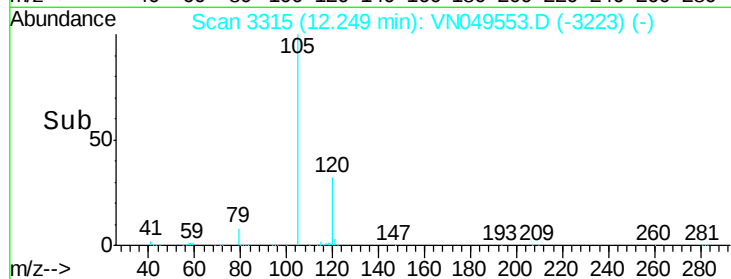
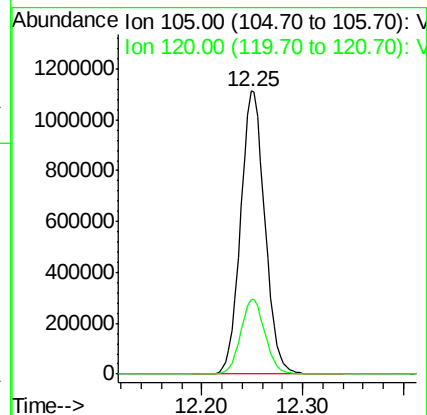
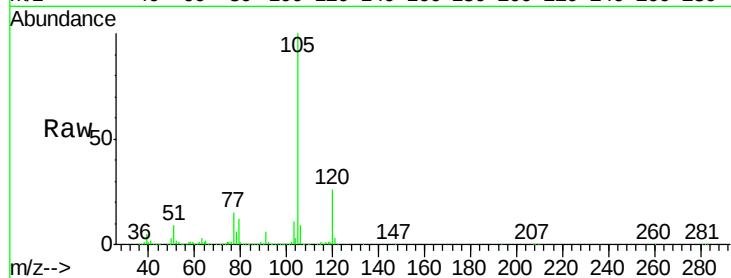
ClientSampleId :

Tot Ion:105 Resp: 1853593

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3



#74

N-ethyl acetate

Concen: 20.27 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion: 43 Resp: 513538

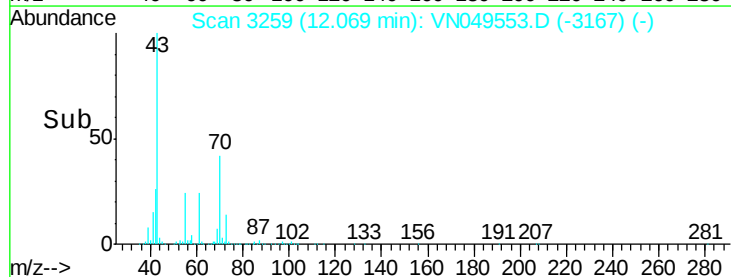
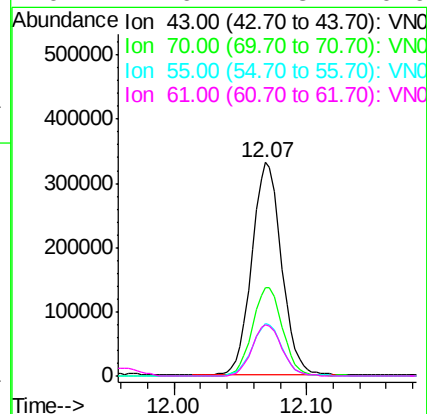
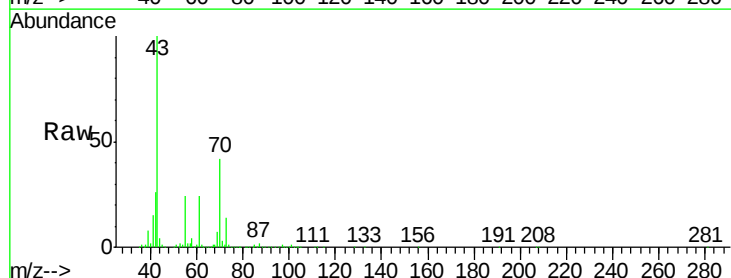
Ion Ratio Lower Upper

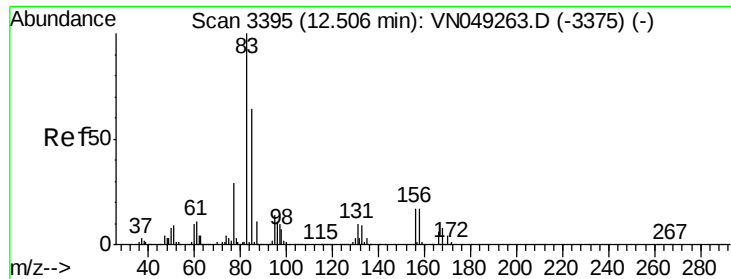
43 100

70 42.5 30.3 45.5

55 25.3 19.4 29.2

61 24.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

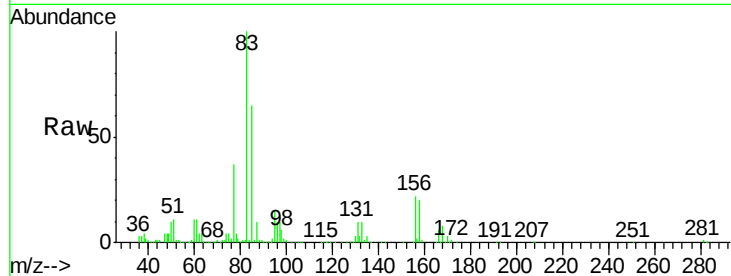
Tot Ion: 83 Resp: 417316

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

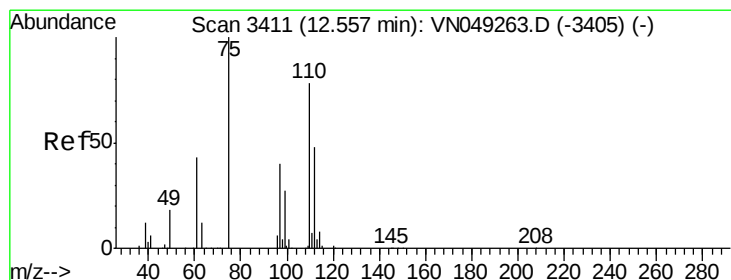
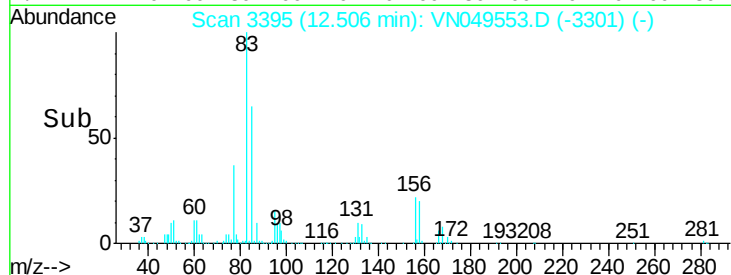
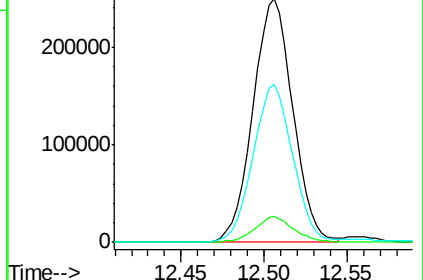
85 64.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049553.D (-3395) (-)

Ion 130.80 (130.50 to 131.50): VN049553.D (-3395) (-)

Ion 84.90 (84.60 to 85.60): VN049553.D (-3395) (-)



#76

1,2,3-Trichloropropane

Concen: 26.27 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049553.D

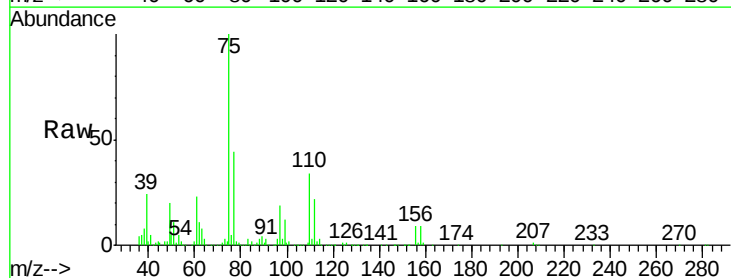
Acq: 26 Jun 2018 15:31

Tgt Ion: 75 Resp: 528190

Ion Ratio Lower Upper

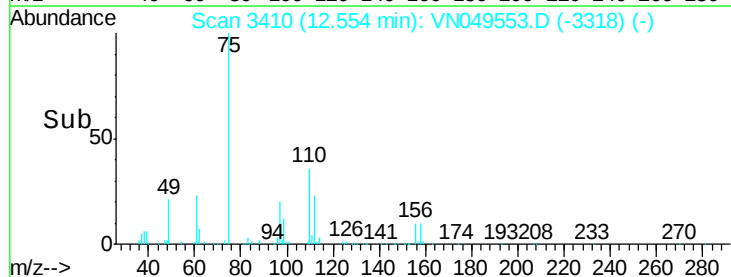
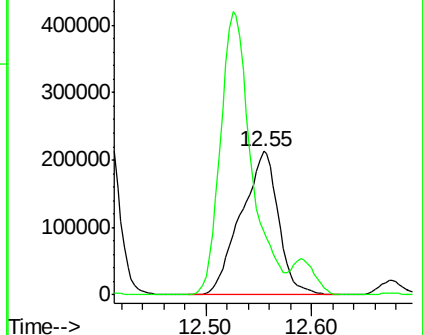
75 100

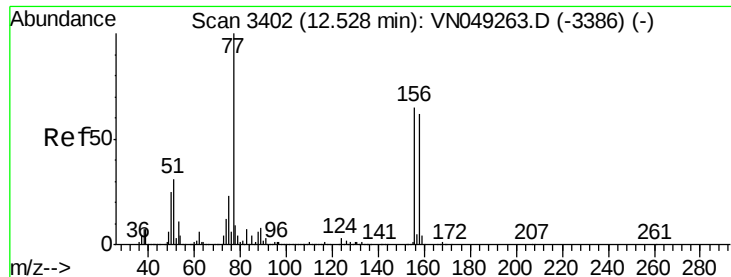
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049553.D (-3411) (-)

Ion 77.00 (76.70 to 77.70): VN049553.D (-3411) (-)





#77

Bromobenzene

Concen: 17.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

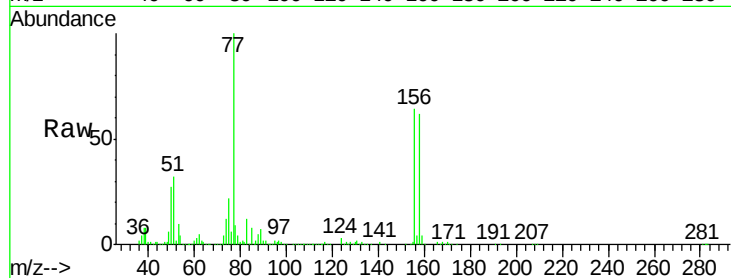
Tot Ion:156 Resp: 477398

Ion Ratio Lower Upper

156 100

77 179.8 100.8 302.4

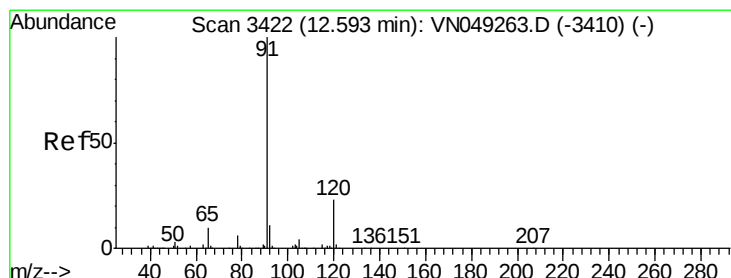
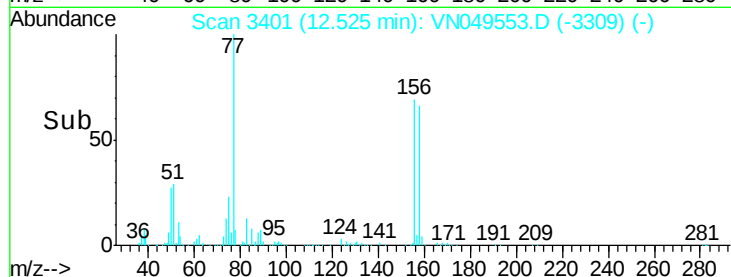
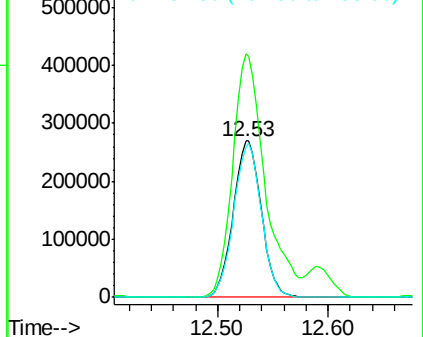
158 96.9 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.61 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049553.D

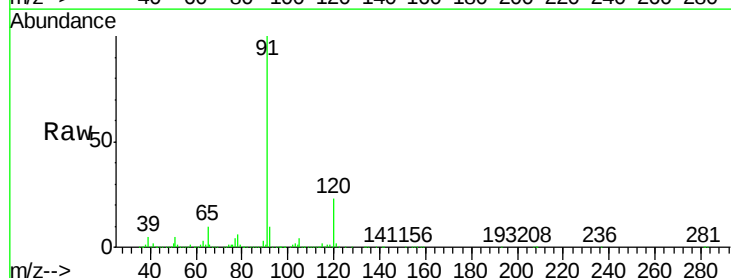
Acq: 26 Jun 2018 15:31

Tgt Ion: 91 Resp: 2113688

Ion Ratio Lower Upper

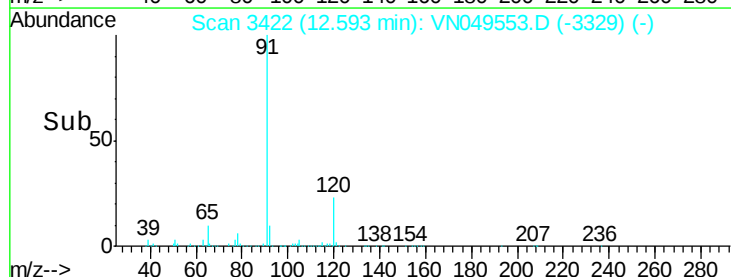
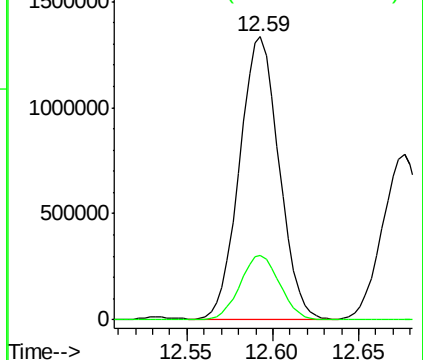
91 100

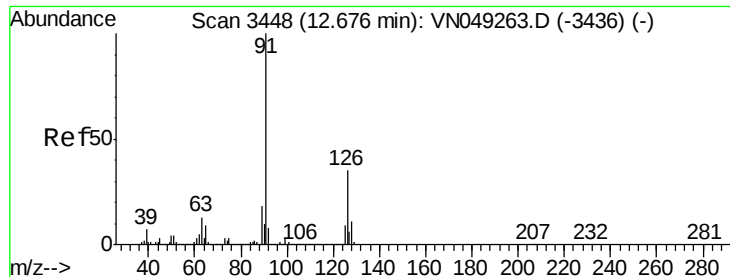
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.96 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

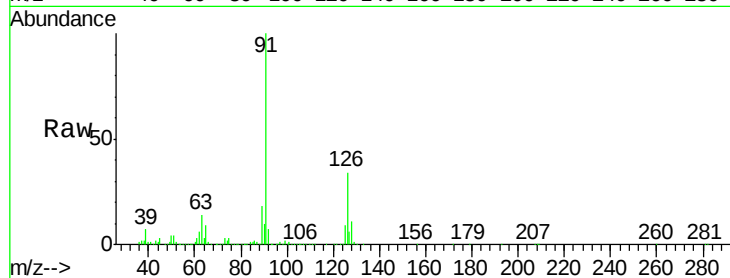
ClientSampled :

Tot Ion: 91 Resp: 1292870

Ion Ratio Lower Upper

91 100

126 34.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

800000

600000

400000

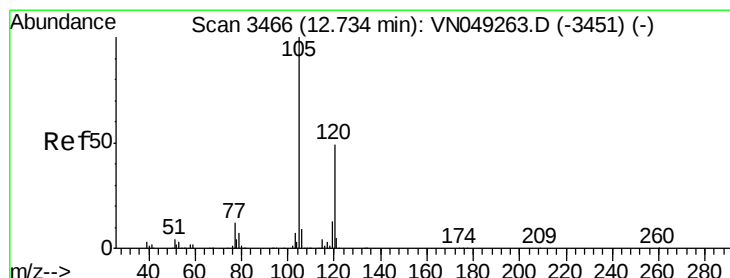
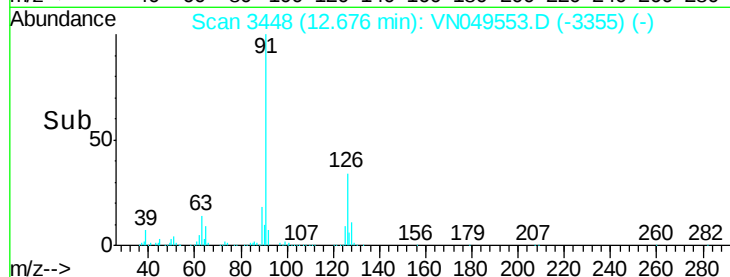
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.10 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049553.D

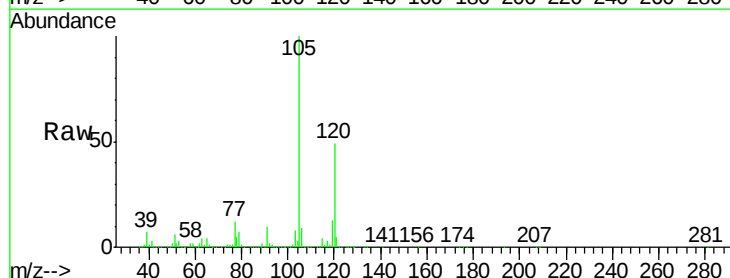
Acq: 26 Jun 2018 15:31

Tgt Ion: 105 Resp: 1552774

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

1000000

800000

600000

400000

200000

0

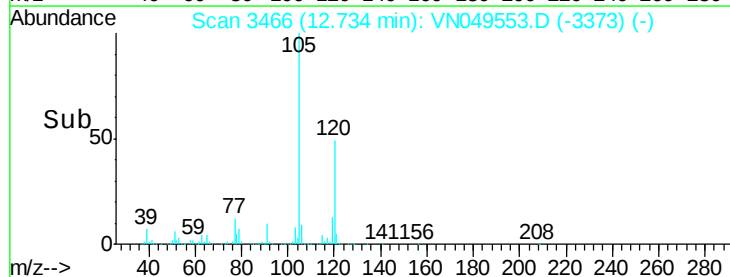
12.65

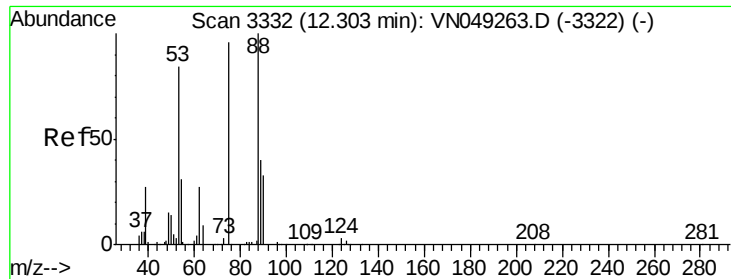
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.29 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

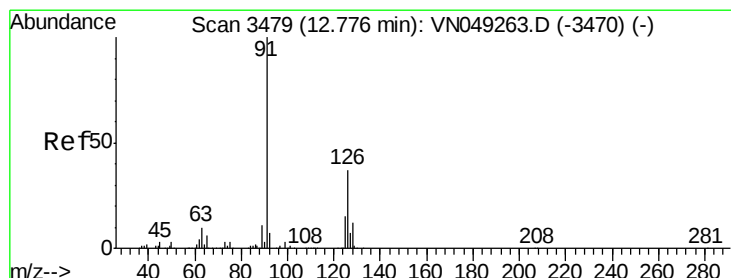
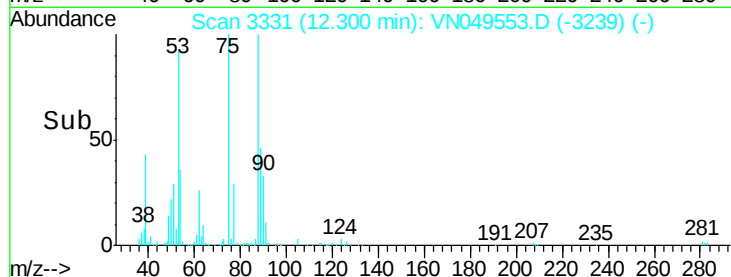
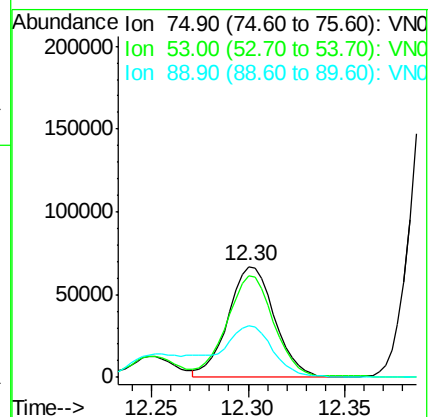
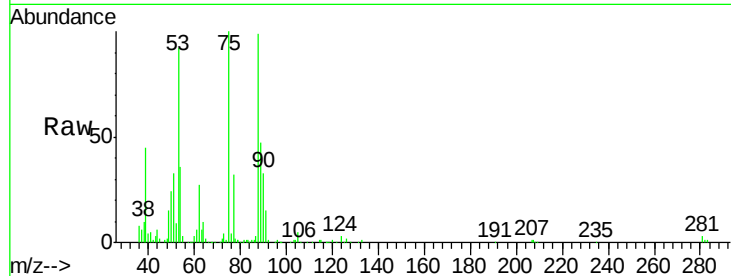
Tot Ion: 75 Resp: 109970

Ion Ratio Lower Upper

75 100

53 92.2 82.7 124.1

89 46.4 36.5 54.7



#82

4-Chlorotoluene

Concen: 18.88 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049553.D

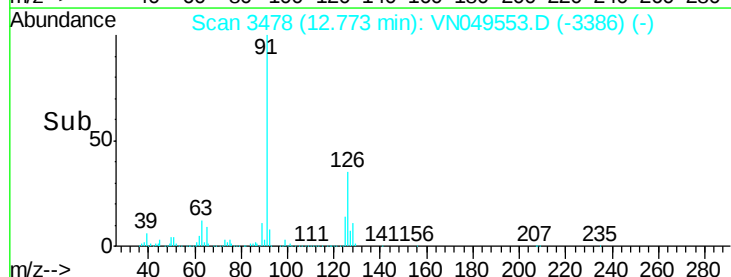
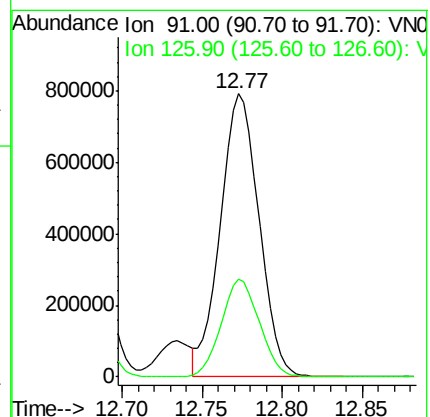
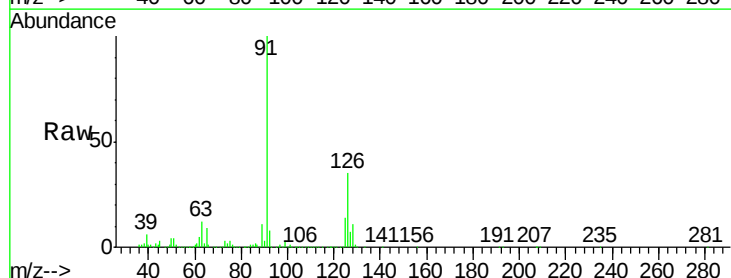
Acq: 26 Jun 2018 15:31

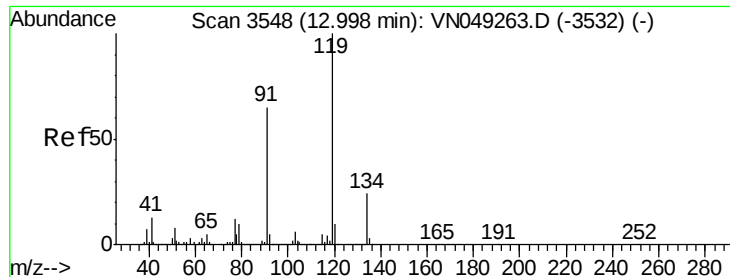
Tgt Ion: 91 Resp: 1310983

Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.1





#83

tert-Butylbenzene

Concen: 18.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

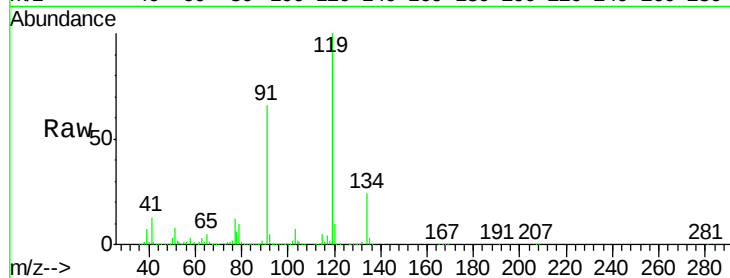
Tot Ion:119 Resp: 1304604

Ion Ratio Lower Upper

119 100

91 64.6 33.7 101.0

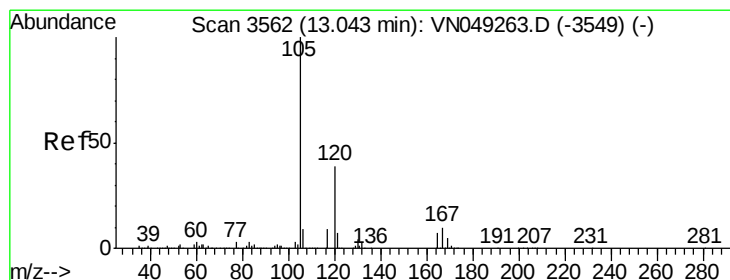
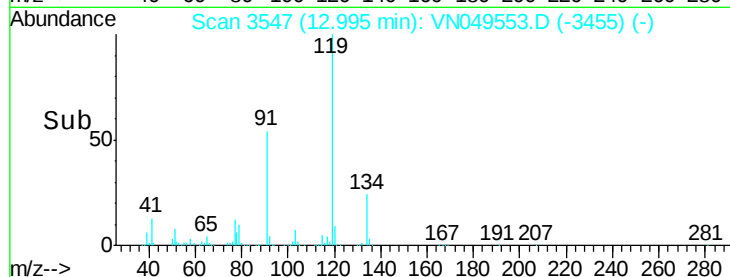
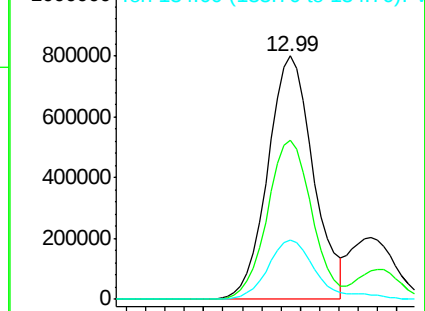
134 25.9 12.9 38.6



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: 19.97 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049553.D

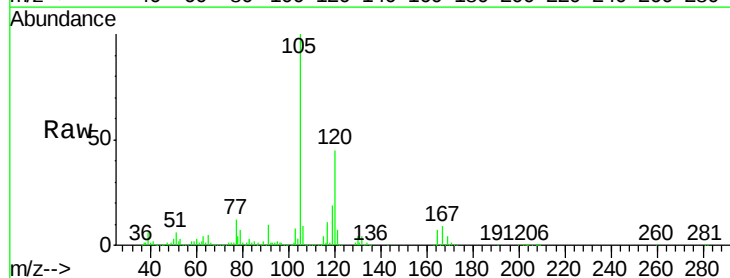
Acq: 26 Jun 2018 15:31

Tgt Ion:105 Resp: 1612942

Ion Ratio Lower Upper

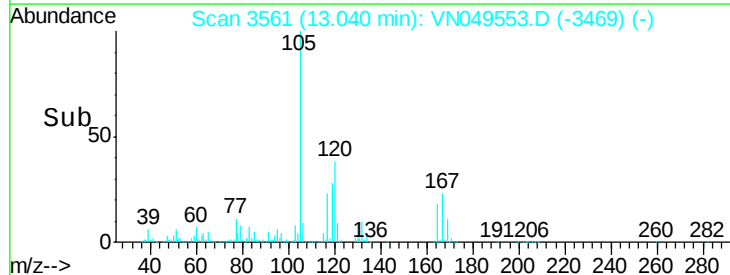
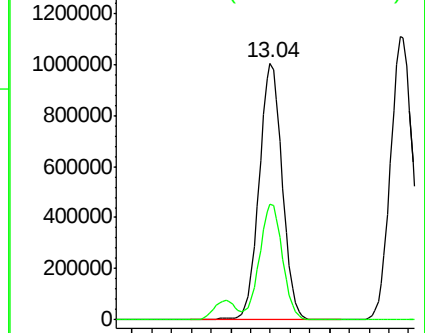
105 100

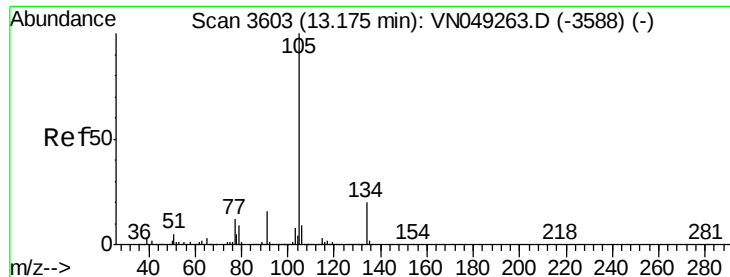
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.20 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

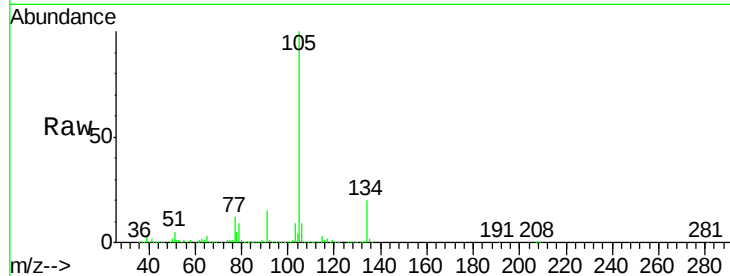
ClientSampled :

Tot Ion:105 Resp: 1744719

Ion Ratio Lower Upper

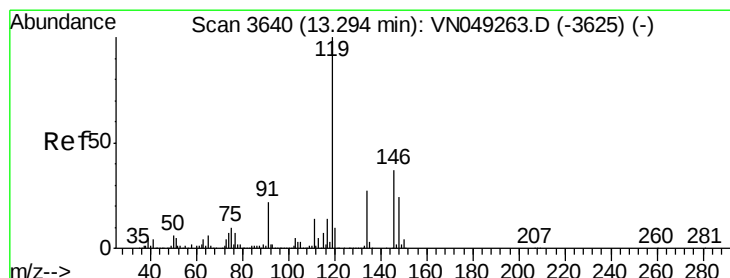
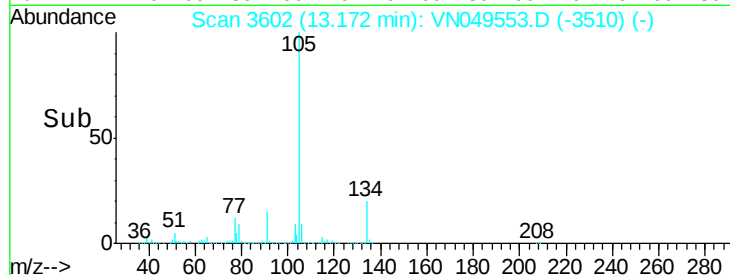
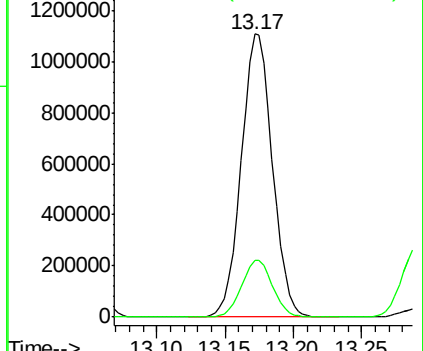
105 100

134 20.1 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: 19.31 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

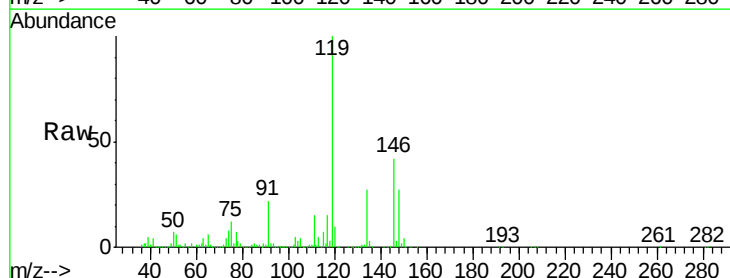
Tgt Ion:119 Resp: 1546651

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

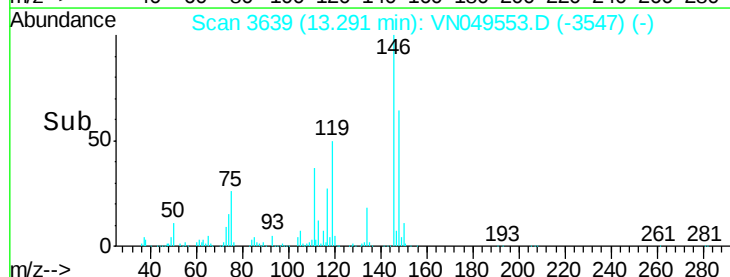
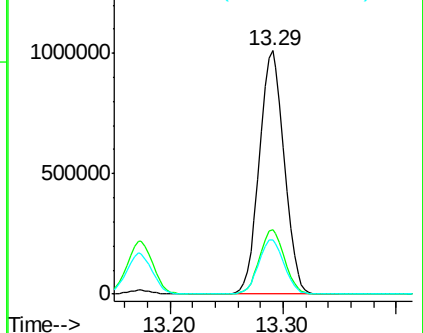
91 22.7 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

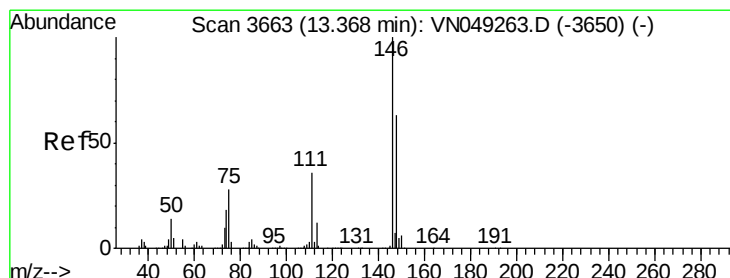
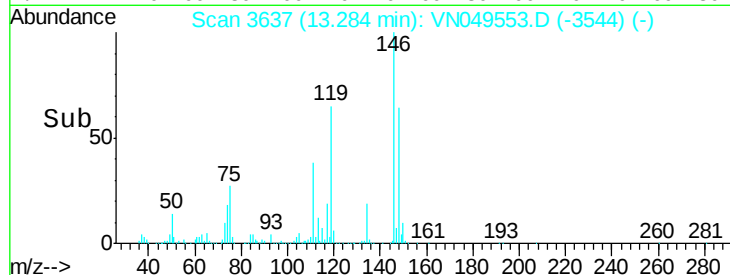
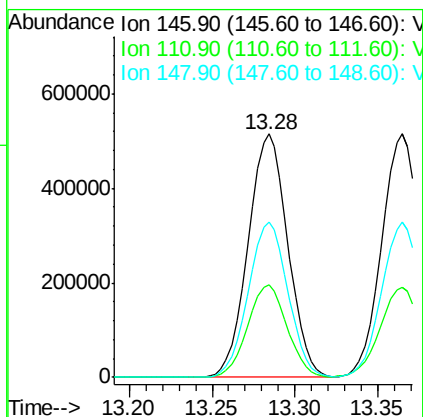
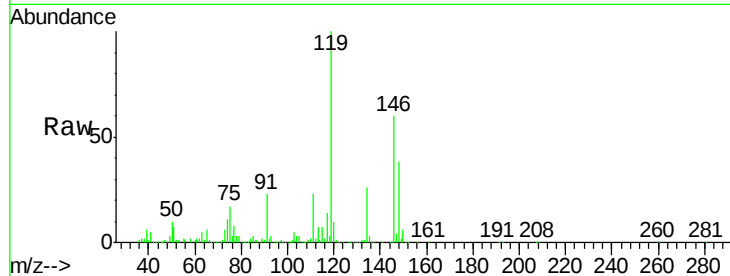




#87
 1,3-Dichlorobenzene
 Concen: 19.04 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

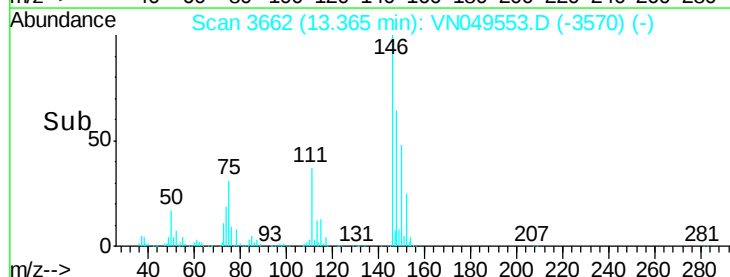
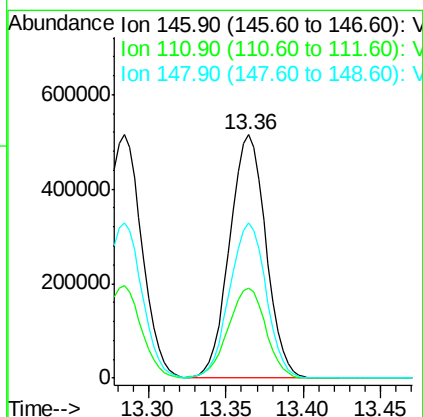
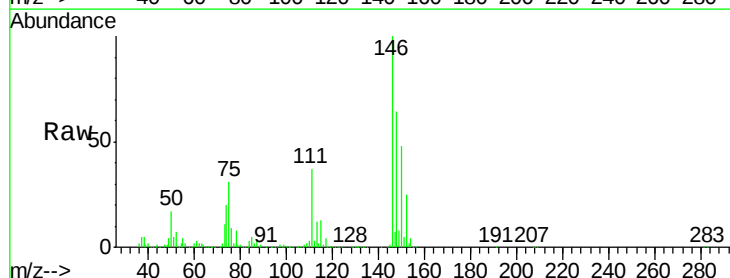
Instrument :
 MSVOA_N
 ClientSampled :

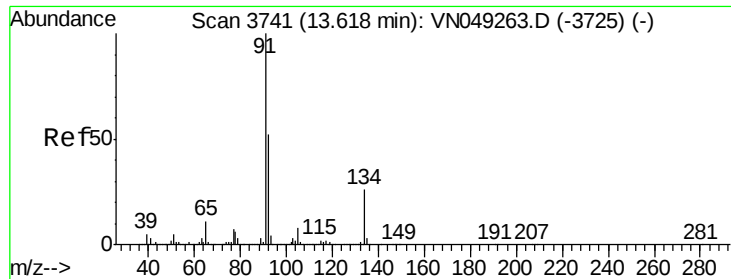
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.9	59.6
148	63.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.0	32.0	96.2

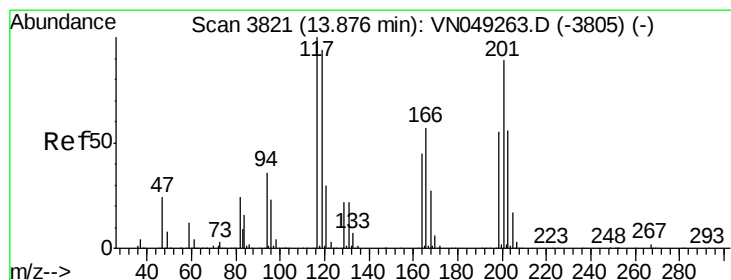
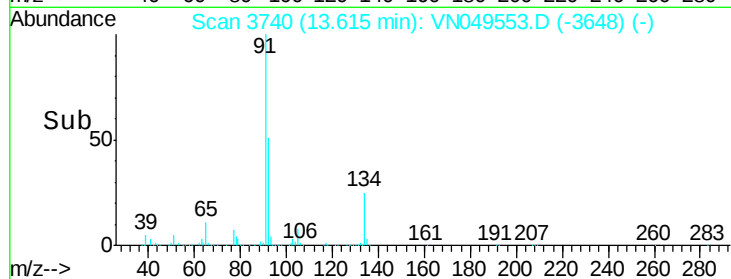
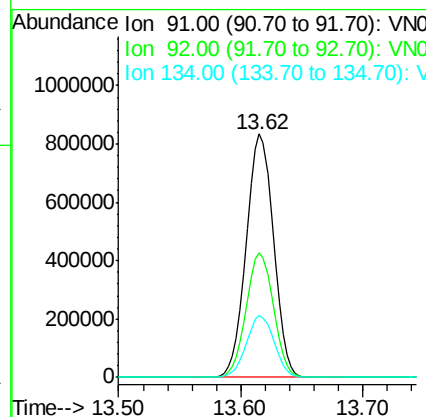
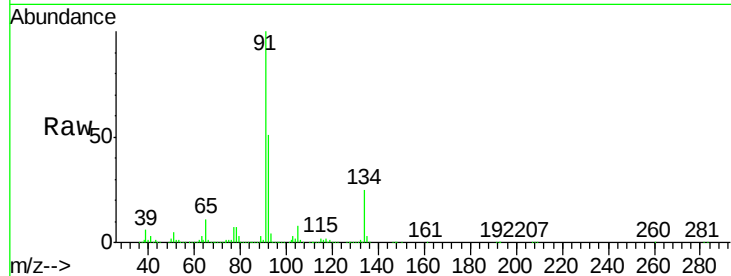




#89
n-Butylbenzene
Concen: 20.49 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

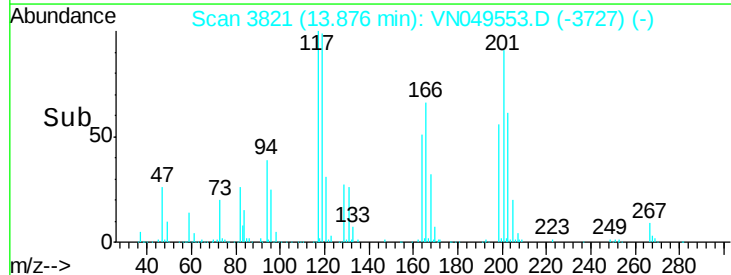
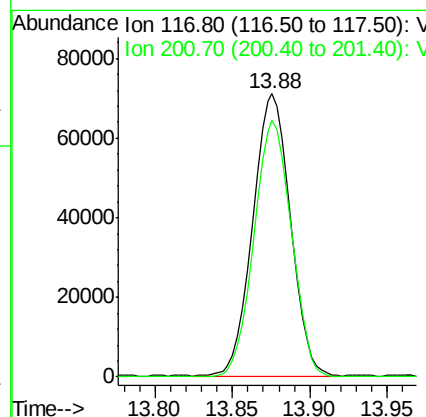
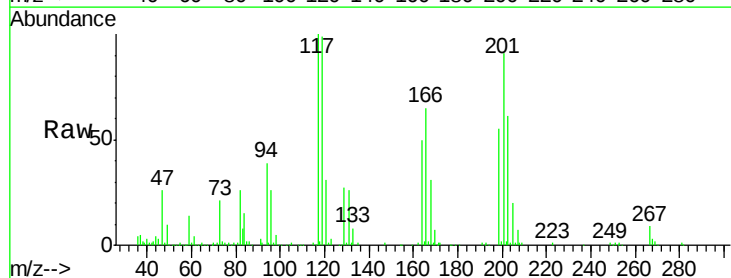
Instrument :
MSVOA_N
ClientSampled :

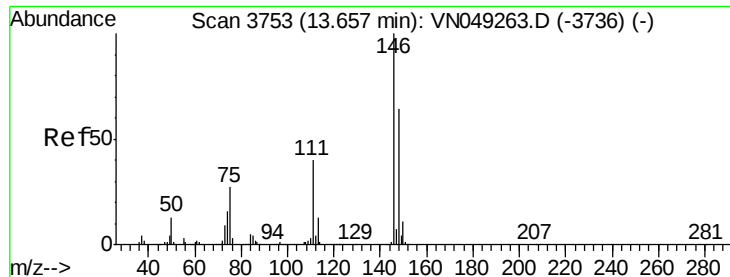
Tot Ion: 91 Resp: 1281849
Ion Ratio Lower Upper
91 100
92 51.3 25.1 75.4
134 25.7 12.0 36.0



#90
Hexachloroethane
Concen: 6.45 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 117 Resp: 120179
Ion Ratio Lower Upper
117 100
201 90.5 40.1 120.2

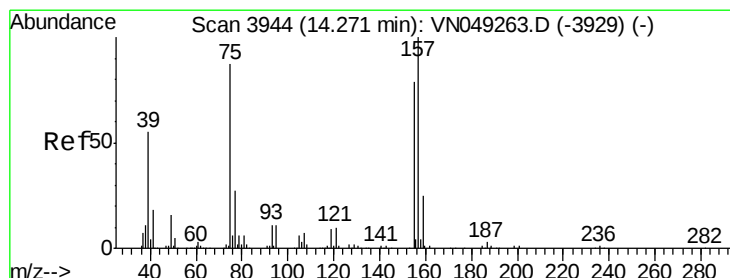
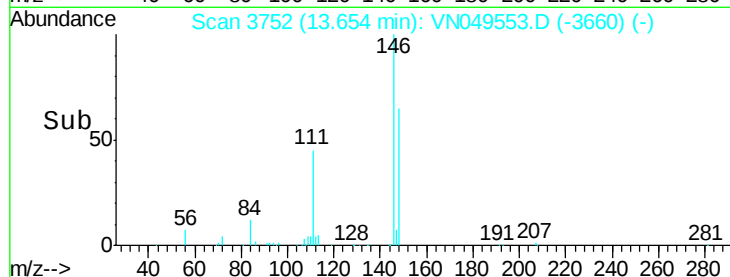
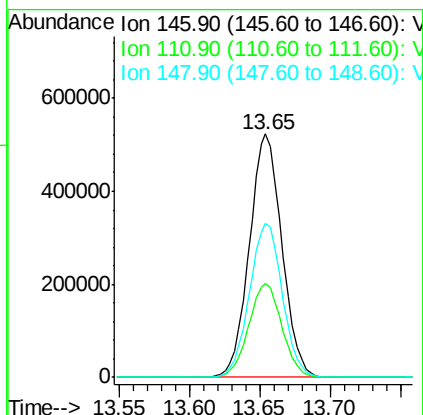
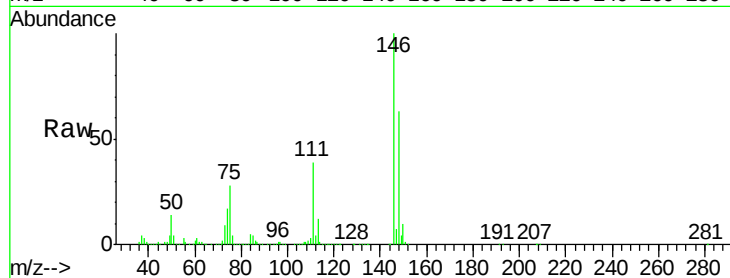




#91
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

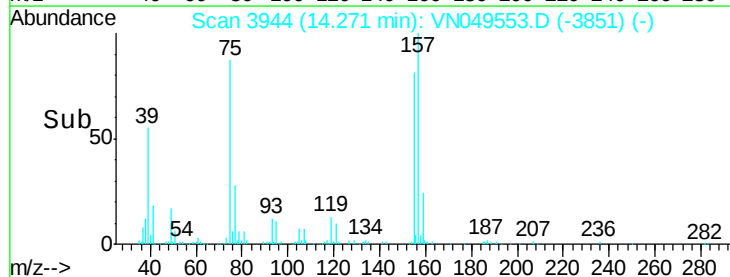
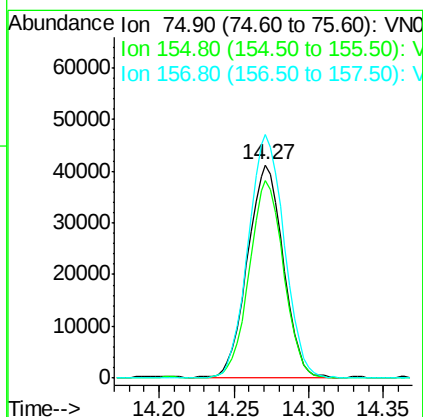
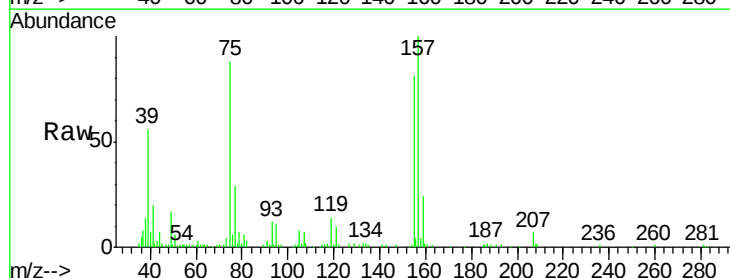
Instrument :
 MSVOA_N
 ClientSampleId :

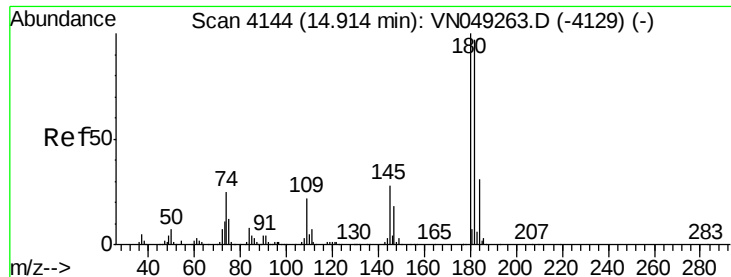
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	38.8	116.3
157	115.0	51.0	153.1

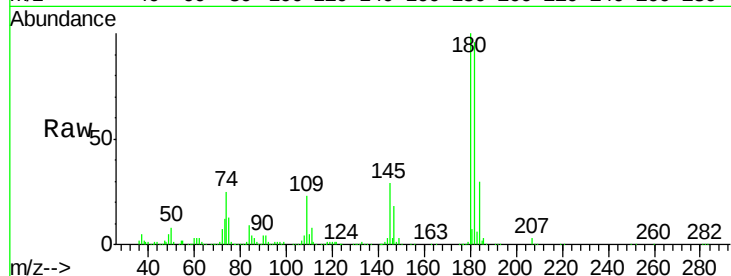




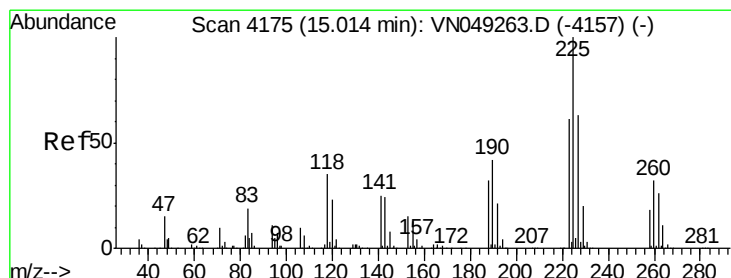
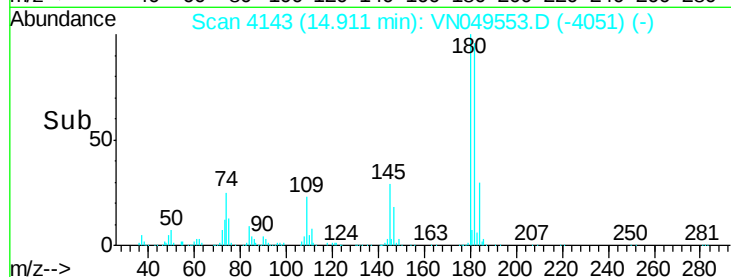
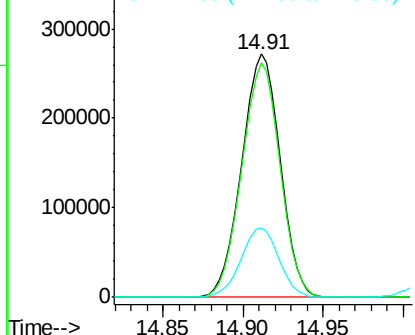
#93
 1,2,4-Trichlorobenzene
 Concen: 24.73 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 446262
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.9 140.8
 145 28.4 14.7 44.1

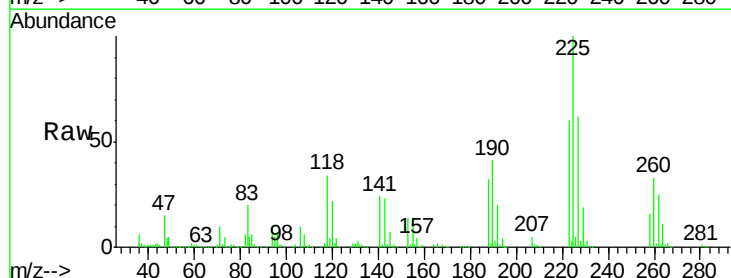


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

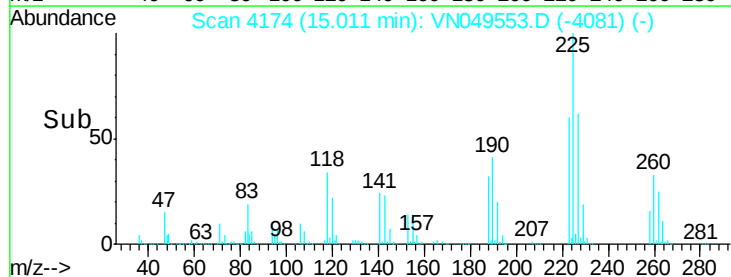
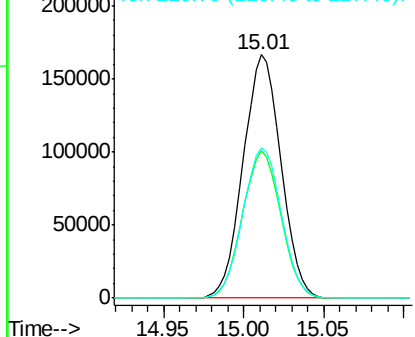


#94
 Hexachlorobutadiene
 Concen: 19.25 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion:225 Resp: 269752
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.1 96.3
 227 62.8 31.8 95.3



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





#95

Naphthalene

Concen: 29.85 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

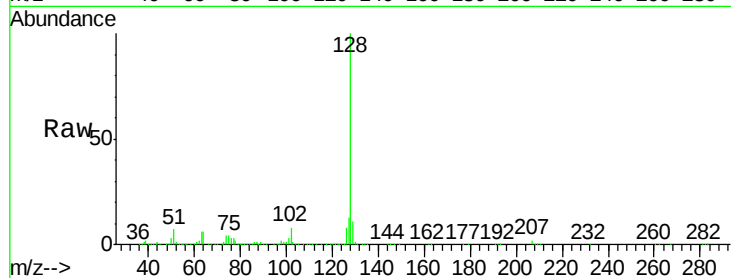
Tot Ion:128 Resp: 982421

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

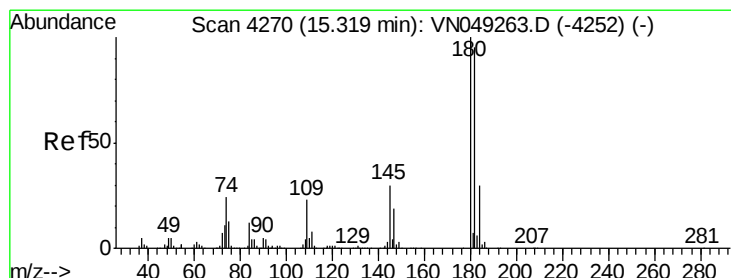
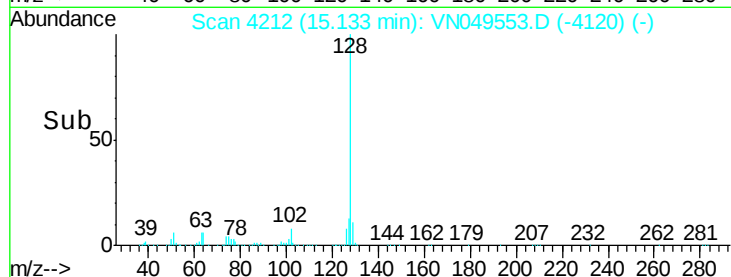
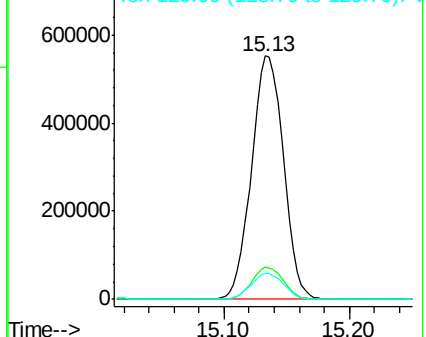
129 10.8 8.5 12.7



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: 23.34 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

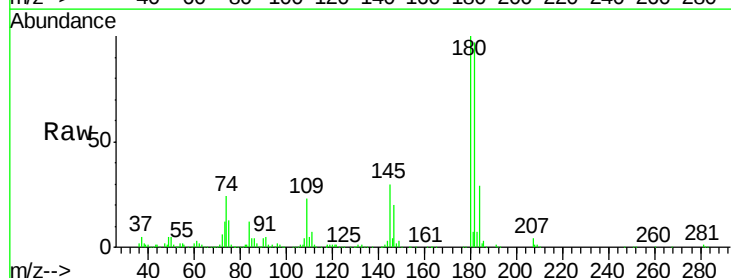
Tgt Ion:180 Resp: 421953

Ion Ratio Lower Upper

180 100

182 96.3 47.3 141.8

145 30.3 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

