

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054241.D
 Acq On : 14 Mar 2019 4:50
 Operator : JC/SP
 Sample : K1866-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:27:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2264665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2399585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1070069	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	737280	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	7.59	113	695906	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.09	98	2817180	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	1101212	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	

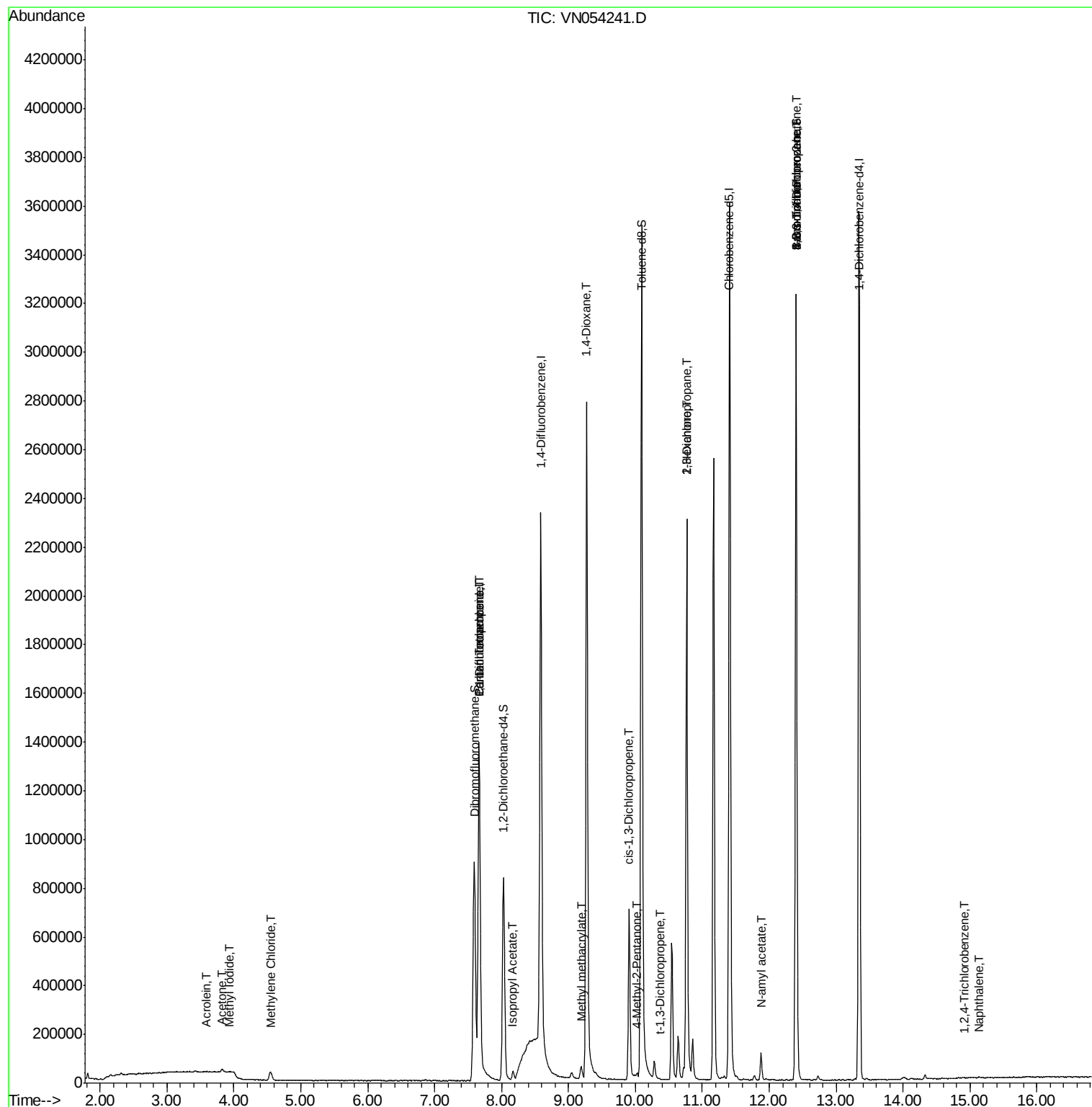
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	248	1.510	ug/l #	78
13) Acrolein	3.59	56	507	0.575	ug/l	100
16) Acetone	3.82	43	18635	4.791	ug/l	96
20) Methylene Chloride	4.55	84	25822	2.022	ug/l	96
31) Cyclohexane	7.67	56	20529	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	79562	3.815	ug/l #	48
38) Carbon Tetrachloride	7.66	117	110857	5.069	ug/l #	16
43) Isopropyl Acetate	8.17	43	44557	2.118	ug/l #	88
48) Methyl methacrylate	9.18	41	16098	1.508	ug/l #	11
49) 1,4-Dioxane	9.27	88	429	2.841	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	16873	1.516	ug/l #	36
53) t-1,3-Dichloropropene	10.37	75	210	1.995	ug/l #	52
54) cis-1,3-Dichloropropene	9.91	75	140687	6.015	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	26370	1.167	ug/l #	43
59) 2-Hexanone	10.77	43	343436	46.368	ug/l #	50
71) Bromoform	12.40	173	6839	2.797	ug/l #	1
74) N-amyl acetate	11.88	43	35134	1.849	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	527832	33.543	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	527832	114.666	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	697	2.546	ug/l #	57
95) Naphthalene	15.14	128	3610	3.541	ug/l #	88

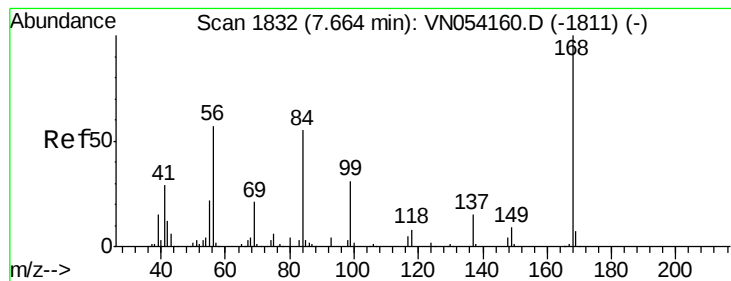
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054241.D
Acq On : 14 Mar 2019 4:50
Operator : JC/SP
Sample : K1866-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 14 05:27:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

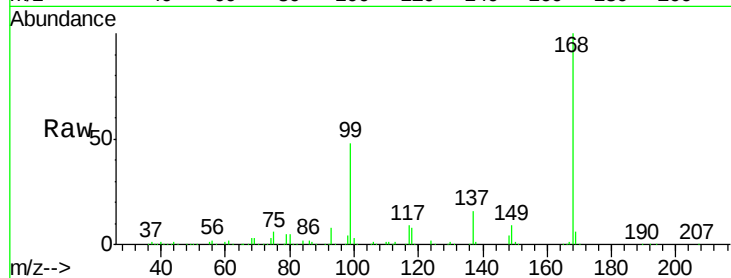
ClientSampleId :

Tot Ion:168 Resp: 1279079

Ion Ratio Lower Upper

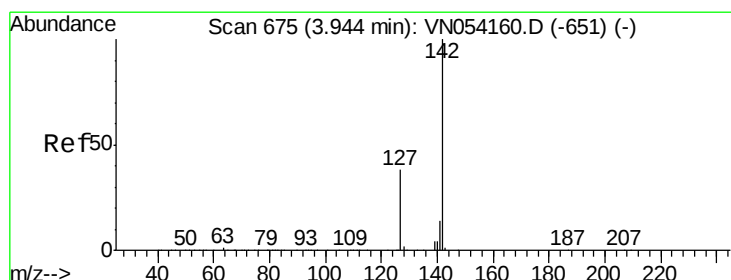
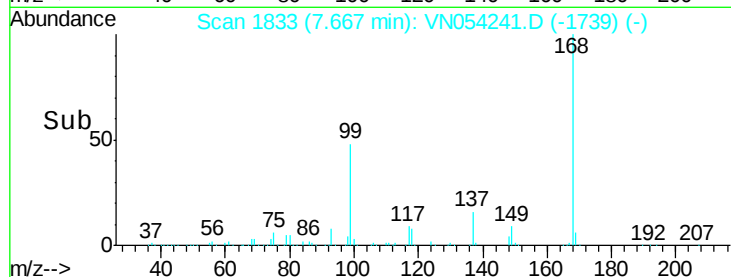
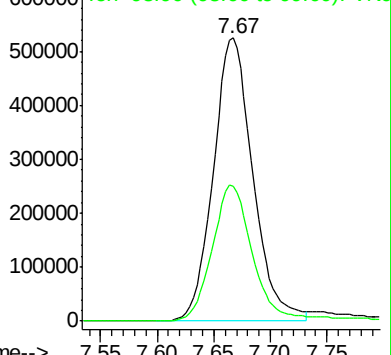
168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.510 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

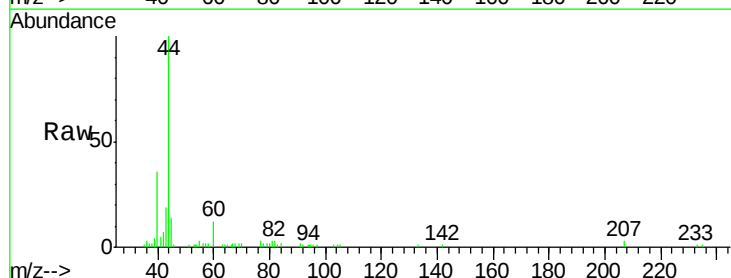
Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

142 100

127 27.4 30.3 45.5#

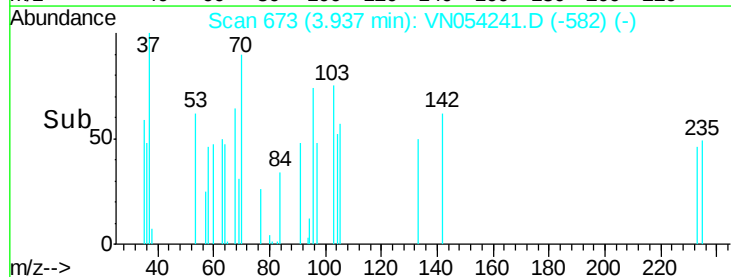
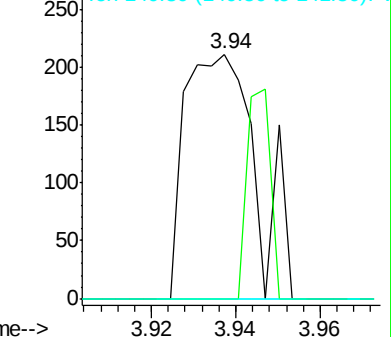
141 0.0 11.2 16.8#

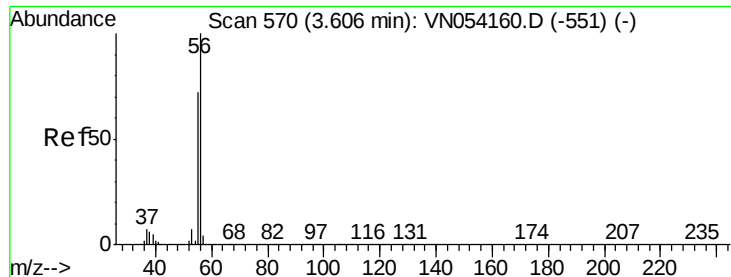


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.575 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

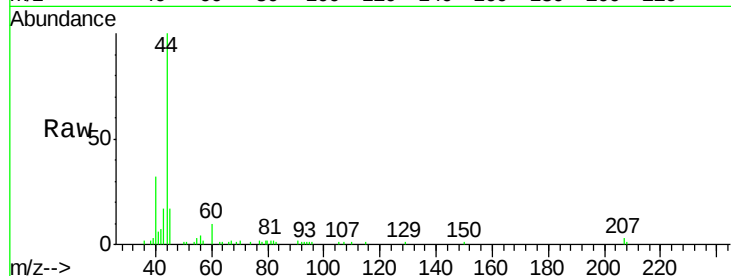
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 507

Ion Ratio Lower Upper

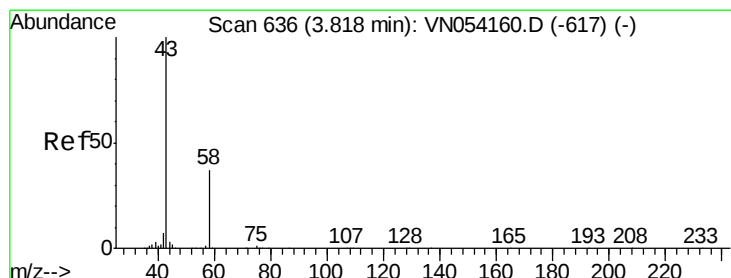
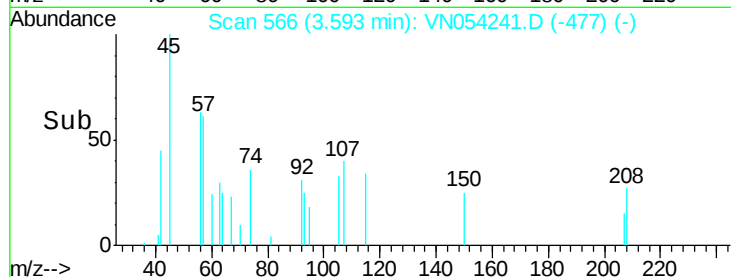
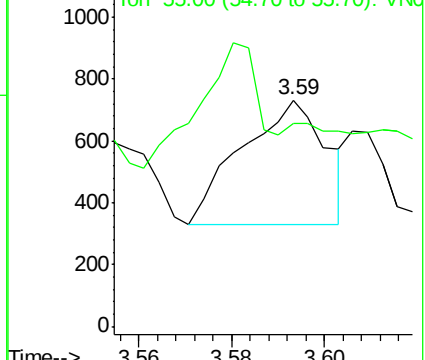
56 100

55 71.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 4.791 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054241.D

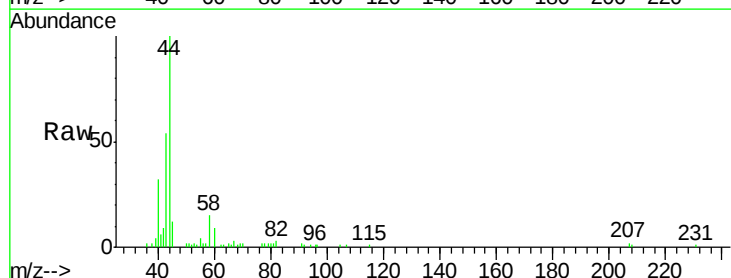
Acq: 14 Mar 2019 4:50

Tgt Ion: 43 Resp: 18635

Ion Ratio Lower Upper

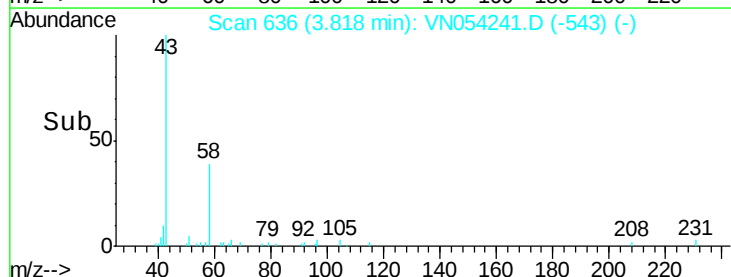
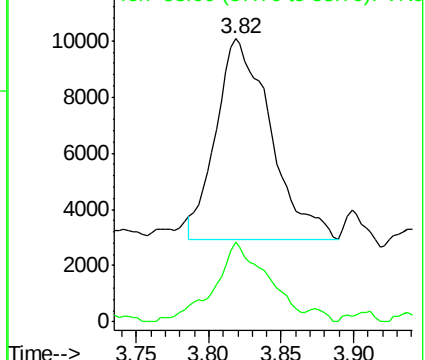
43 100

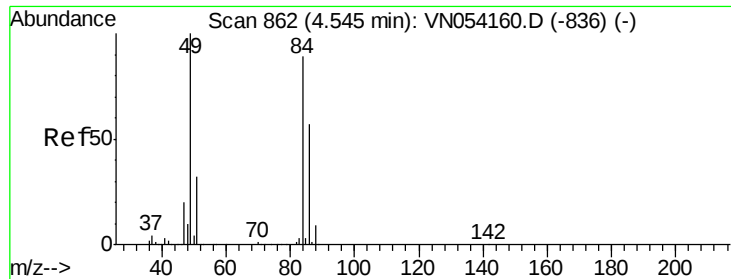
58 40.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



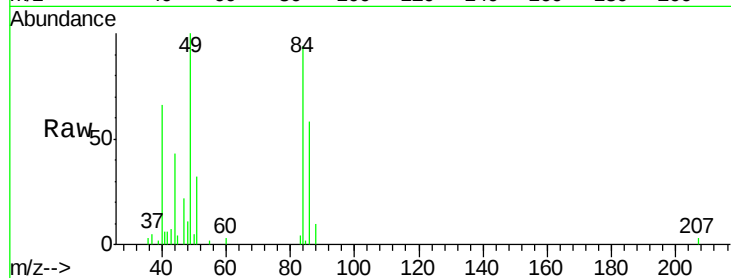


#20
Methvlene Chloride
Concen: 2.022 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 25822

Ion	Ratio	Lower	Upper
84	100		
49	106.3	89.7	134.5
51	33.8	28.2	42.4
86	61.9	50.8	76.2

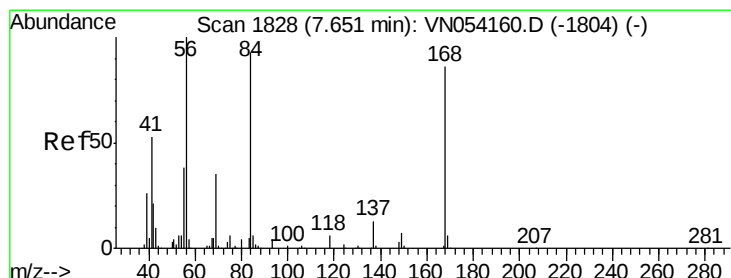
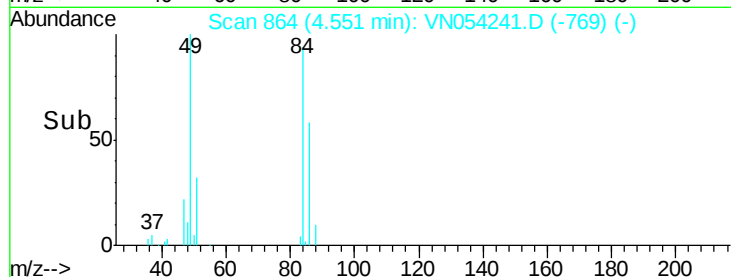
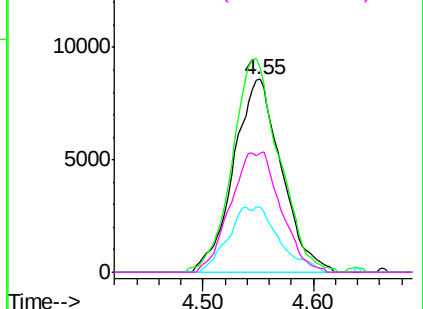


Abundance Ion 83.90 (83.60 to 84.60): VN054241.D (-1735) (-)

Ion 48.90 (48.60 to 49.60): VN054241.D (-1735) (-)

Ion 50.90 (50.60 to 51.60): VN054241.D (-1735) (-)

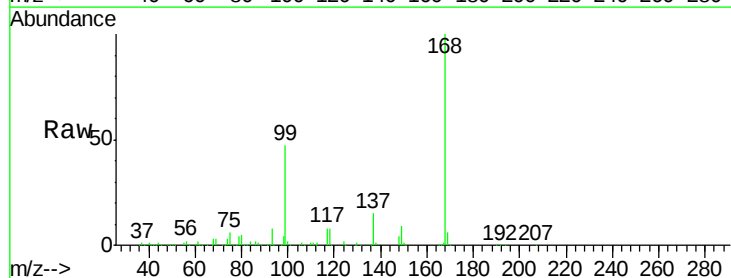
Ion 85.90 (85.60 to 86.60): VN054241.D (-1735) (-)



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

Tgt Ion: 56 Resp: 20529

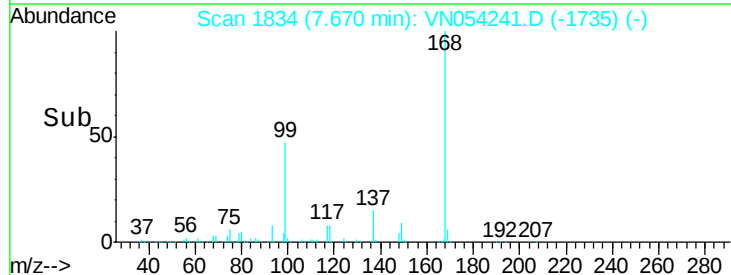
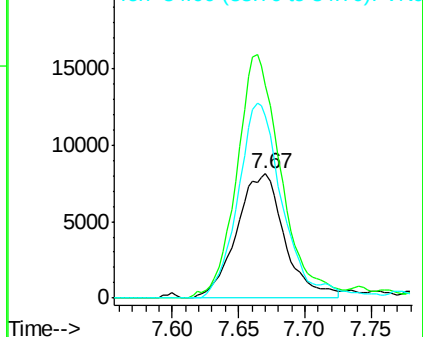
Ion	Ratio	Lower	Upper
56	100		
69	172.0	27.8	41.6#
84	146.5	74.6	111.8#

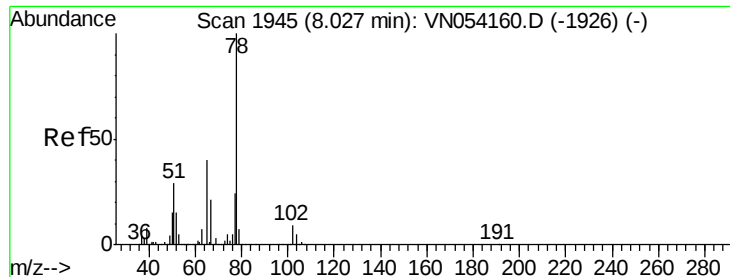


Abundance Ion 56.00 (55.70 to 56.70): VN054241.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN054241.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN054241.D (-1735) (-)





#33

1,2-Dichloroethane-d4

Concen: 54.276 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

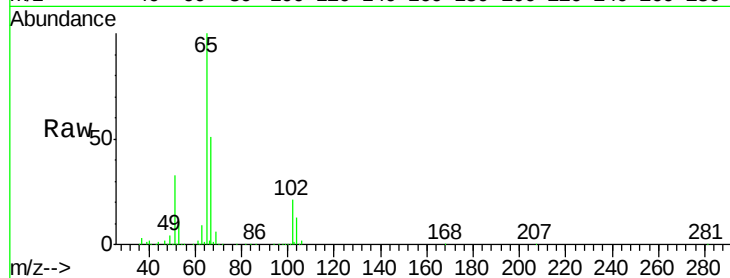
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 737280

Ion Ratio Lower Upper

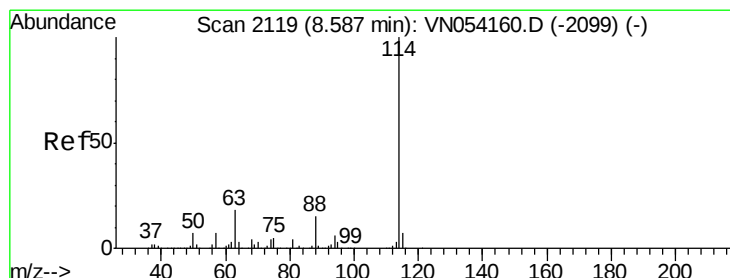
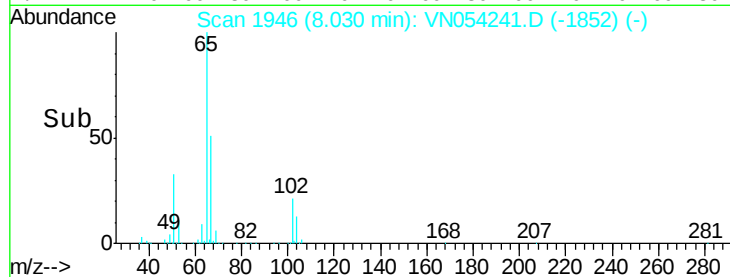
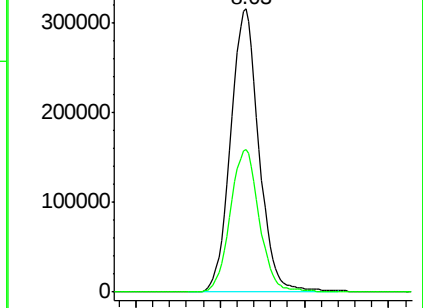
65 100

67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054241.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054241.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

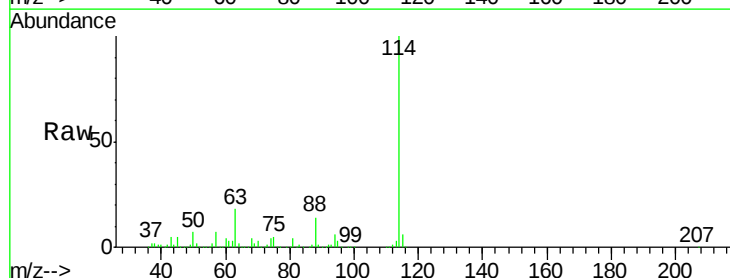
Tgt Ion: 114 Resp: 2264665

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

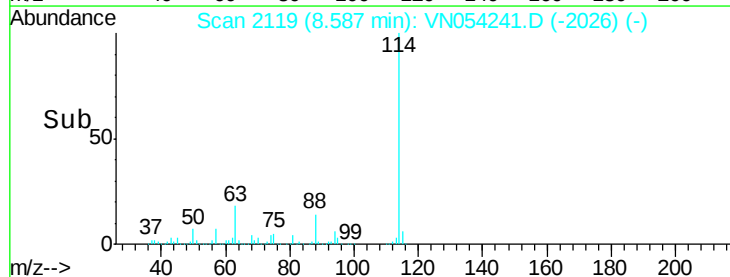
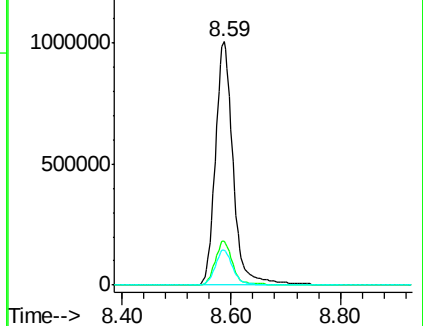
88 14.5 0.0 30.2

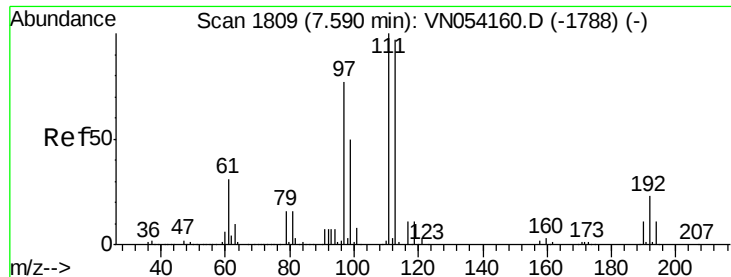


Abundance Ion 113.90 (113.60 to 114.60): VN054241.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054241.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054241.D (-2026) (-)

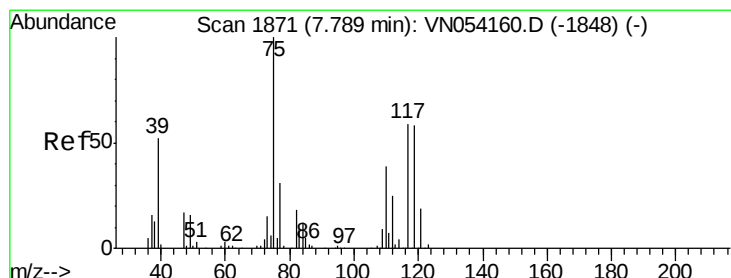
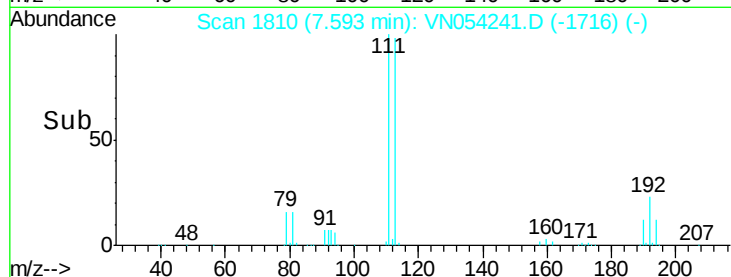
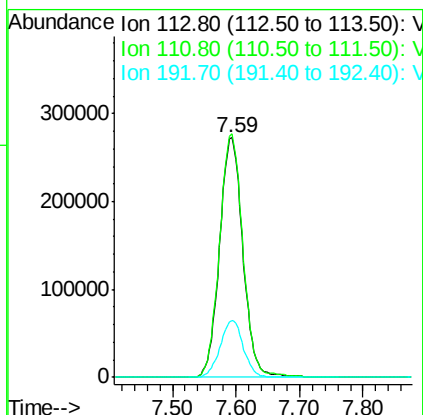
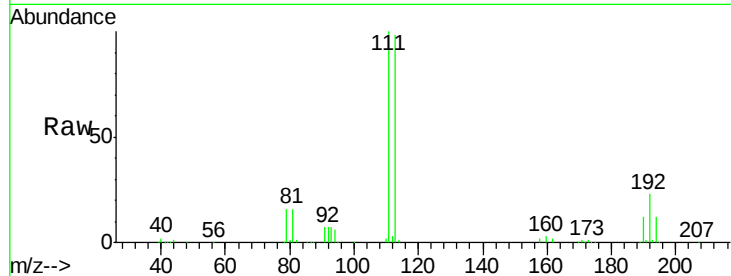




#35
 Dibromofluoromethane
 Concen: 47.645 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054241.D
 Acq: 14 Mar 2019 4:50

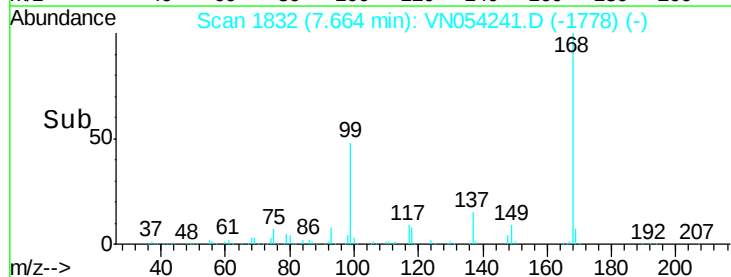
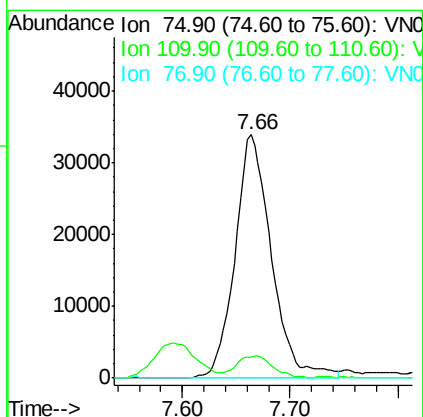
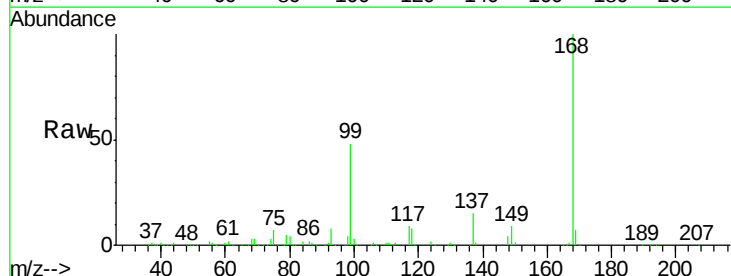
Instrument :
 MSVOA_N
 ClientSampleId :

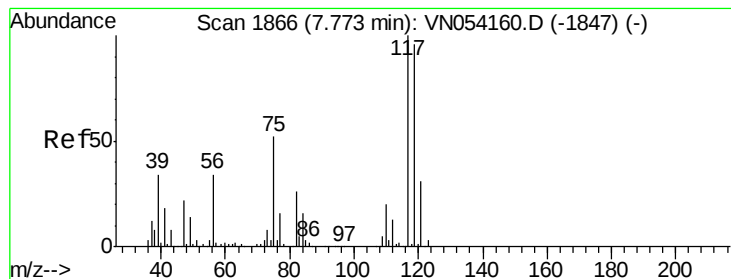
Tot Ion:113 Resp: 695906
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 23.5 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 3.815 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054241.D
 Acq: 14 Mar 2019 4:50

Tgt Ion: 75 Resp: 79562
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.069 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

ClientSampled :

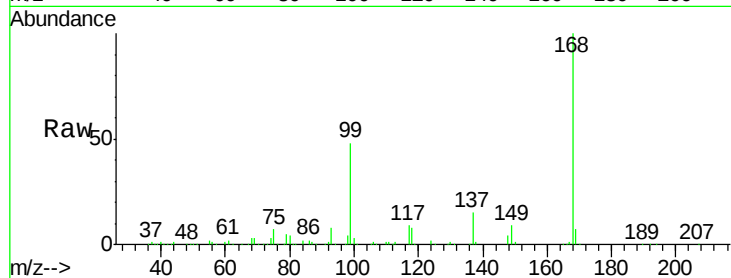
Tot Ion:117 Resp: 110857

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

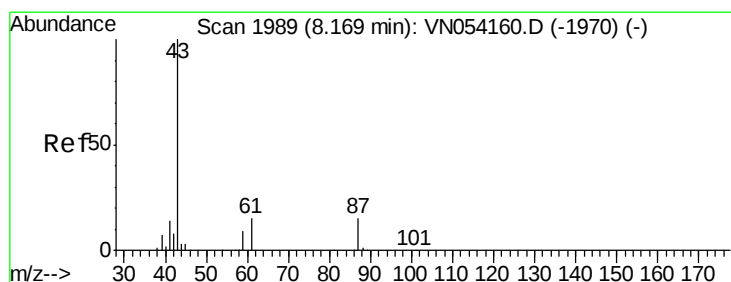
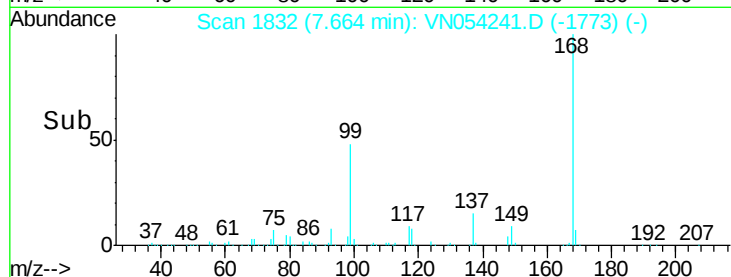
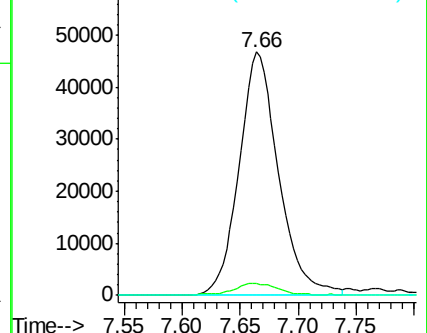
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.118 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

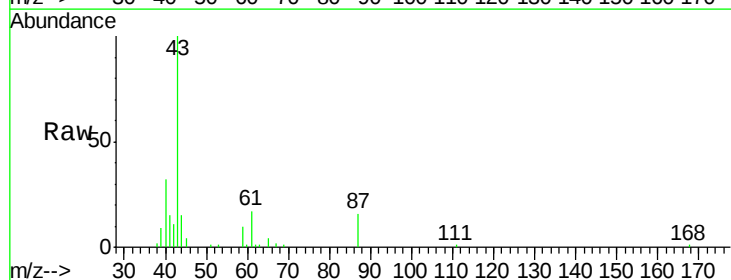
Tgt Ion: 43 Resp: 44557

Ion Ratio Lower Upper

43 100

61 10.8 15.8 23.8#

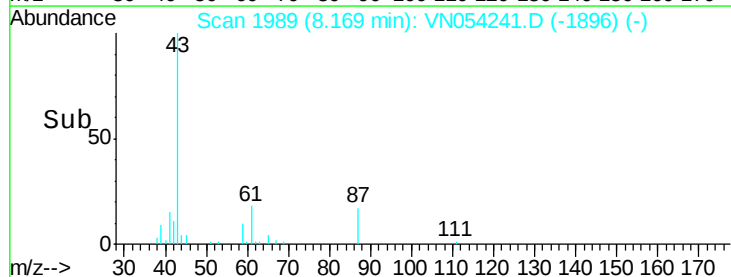
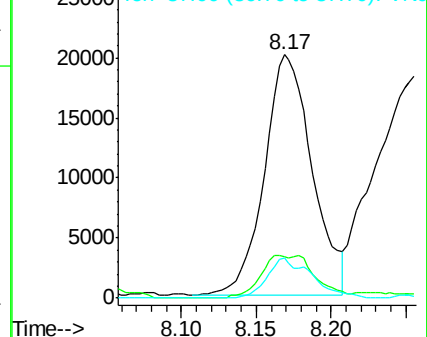
87 15.6 12.0 18.0

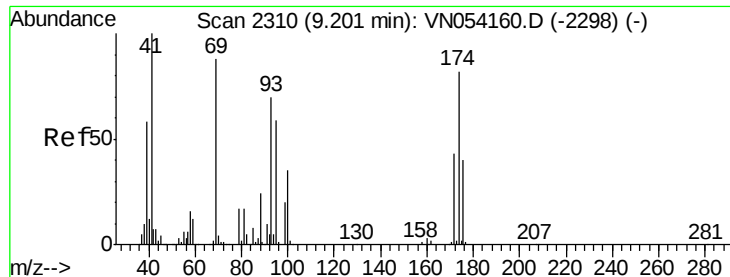


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

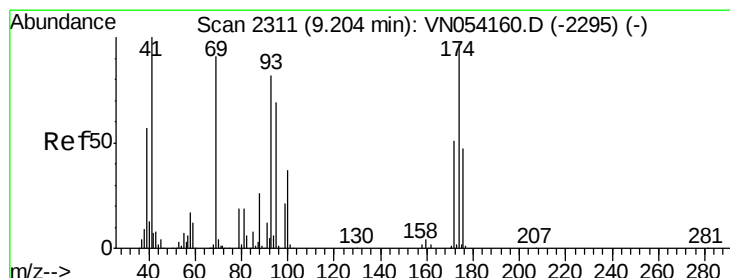
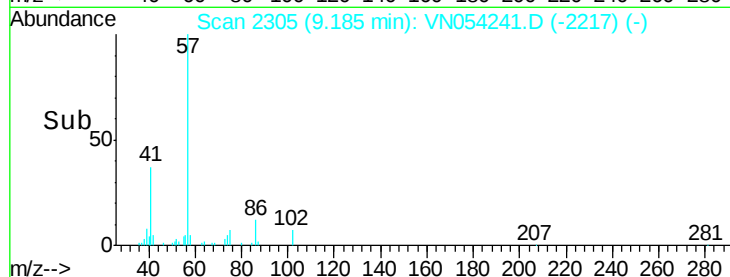
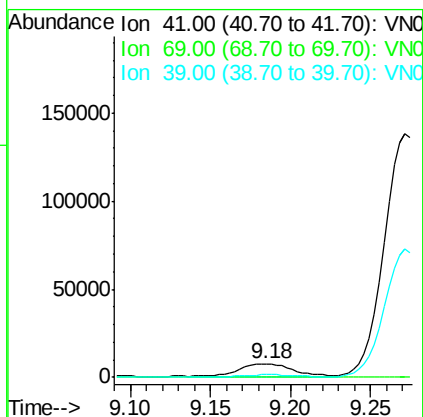
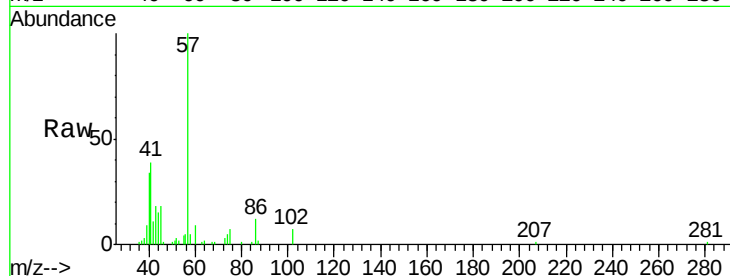




#48
Methvl methacrylate
Concen: 1.508 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

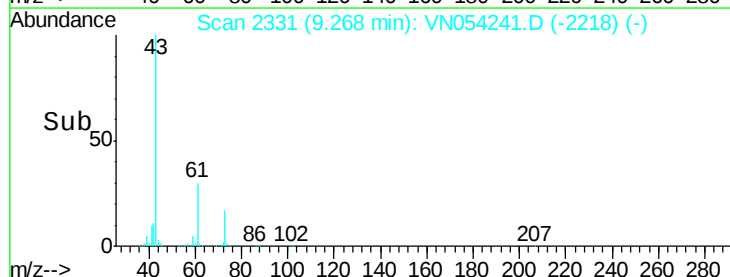
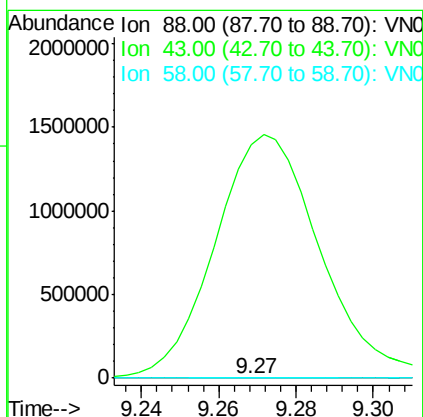
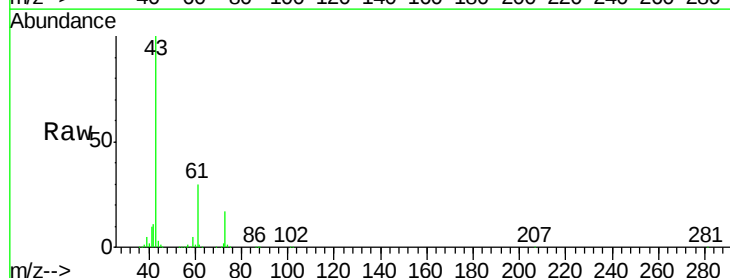
Instrument :
MSVOA_N
ClientSampleId :

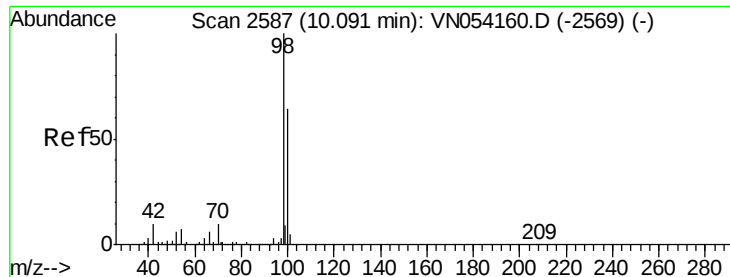
Tot Ion: 41 Resp: 16098
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.841 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.06 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

Tgt Ion: 88 Resp: 429
Ion Ratio Lower Upper
88 100
43 677302.1 24.1 36.1#
58 2824.2 50.8 76.2#





#50

Toluene-d8

Concen: 52.225 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

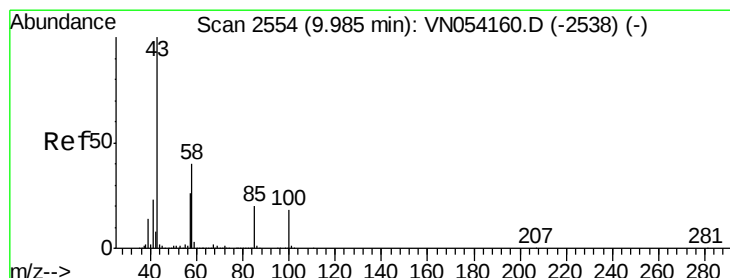
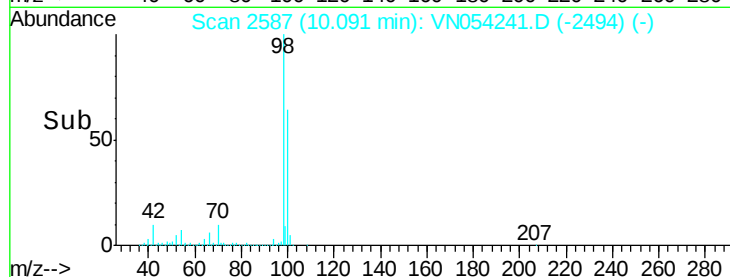
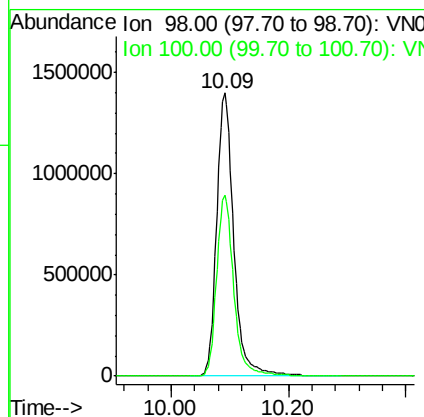
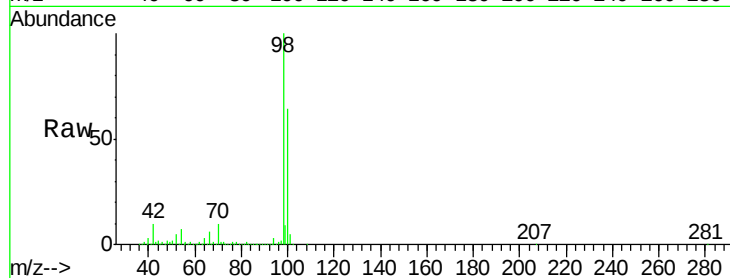
ClientSampled :

Tot Ion: 98 Resp: 2817180

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.516 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054241.D

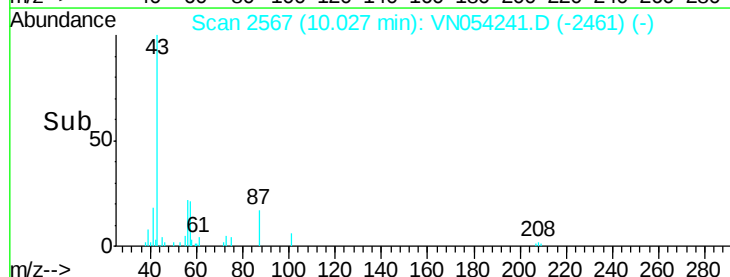
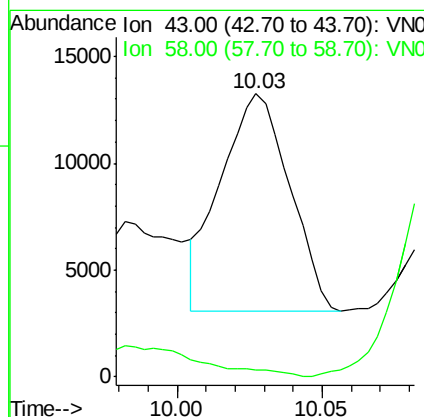
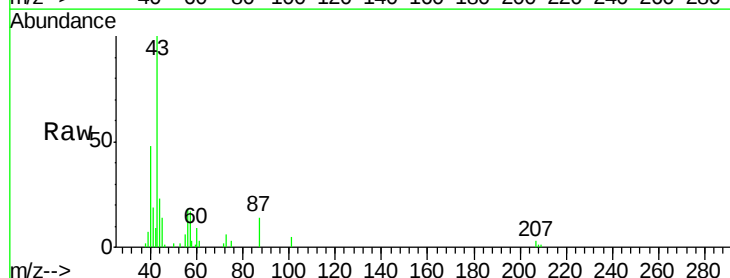
Acq: 14 Mar 2019 4:50

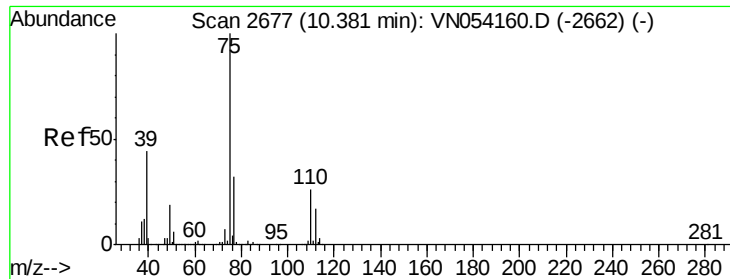
Tgt Ion: 43 Resp: 16873

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 1.995 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

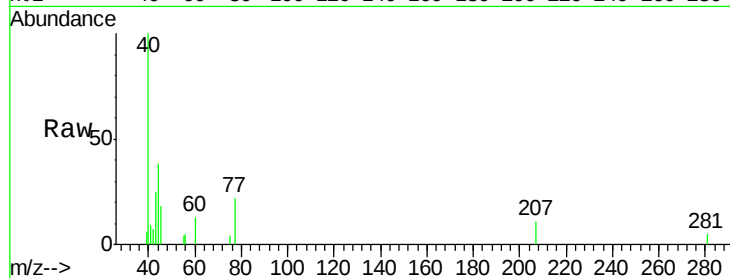
ClientSampled :

Tot Ion: 75 Resp: 210

Ion Ratio Lower Upper

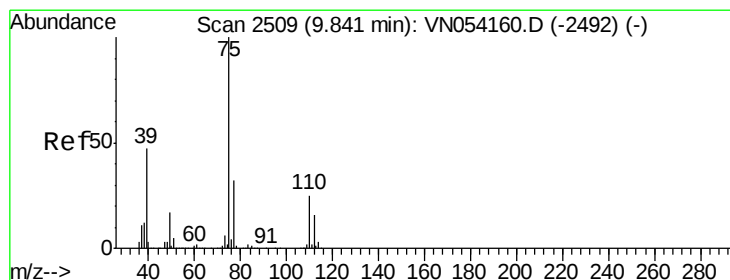
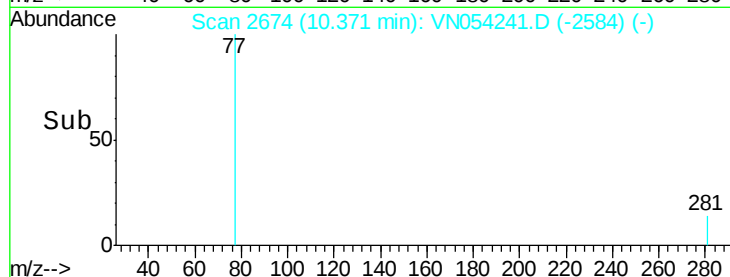
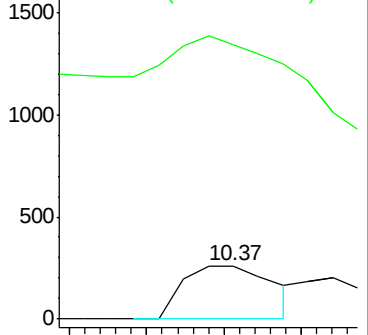
75 100

77 59.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 6.015 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

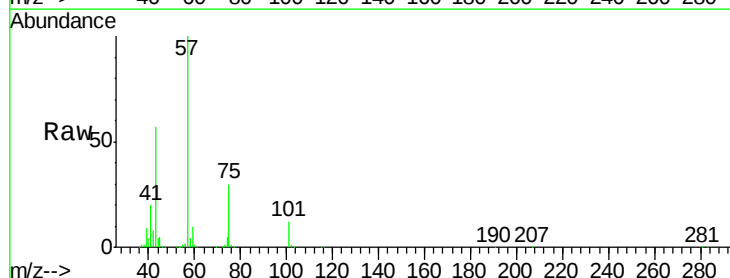
Tgt Ion: 75 Resp: 140687

Ion Ratio Lower Upper

75 100

77 0.7 25.4 38.0#

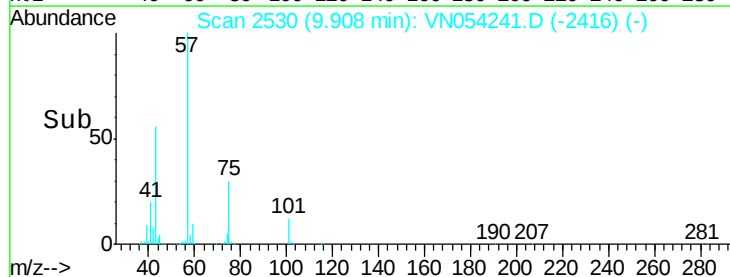
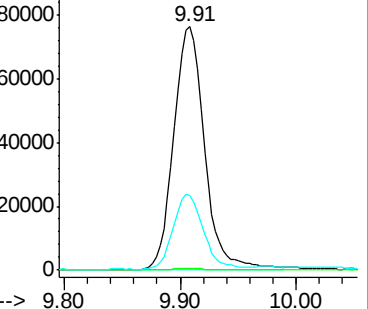
39 30.0 37.2 55.8#

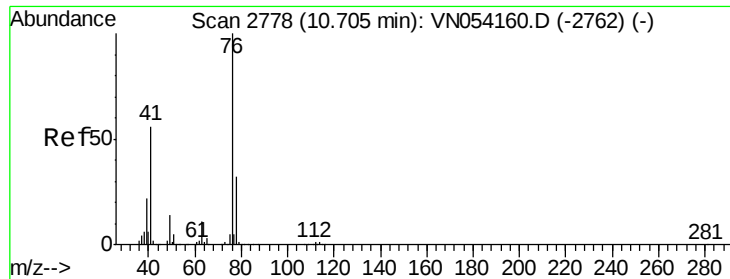


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

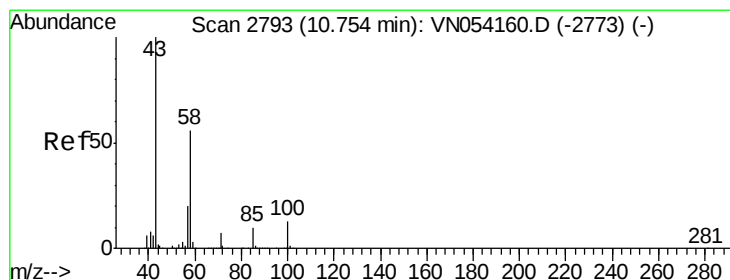
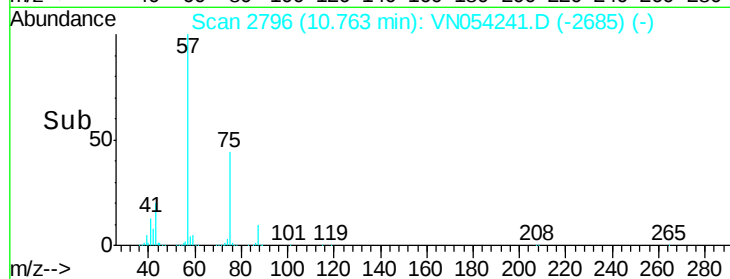
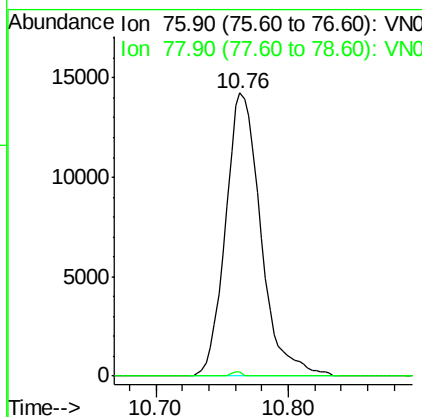
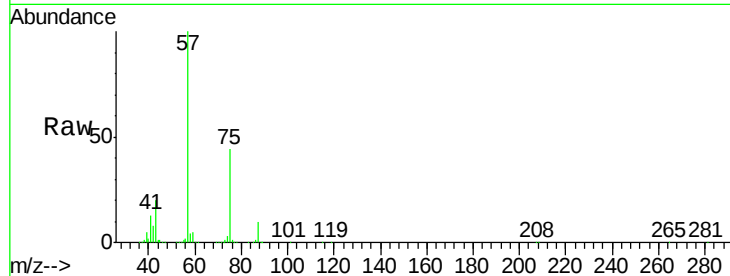




#57
 1,3-Dichloropropane
 Concen: 1.167 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN054241.D
 Acq: 14 Mar 2019 4:50

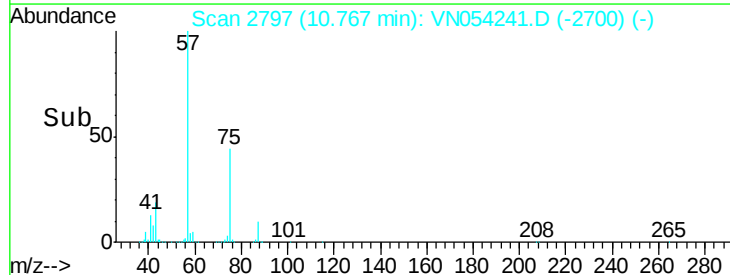
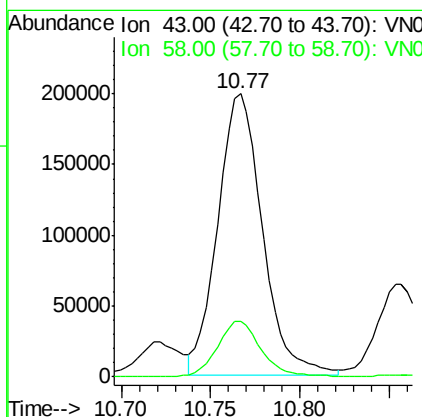
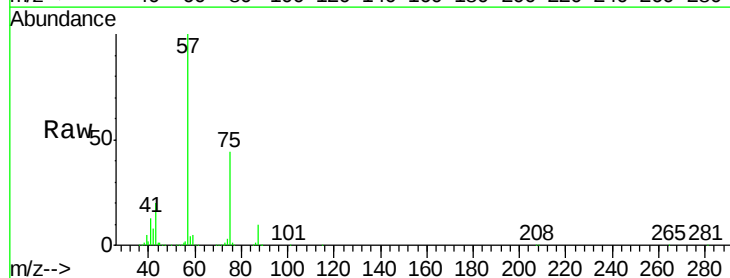
Instrument :
 MSVOA_N
 ClientSampleId :

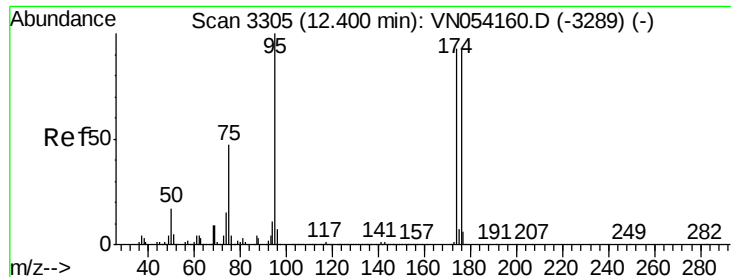
Tot Ion: 76 Resp: 26370
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#



#59
 2-Hexanone
 Concen: 46.368 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054241.D
 Acq: 14 Mar 2019 4:50

Tgt Ion: 43 Resp: 343436
 Ion Ratio Lower Upper
 43 100
 58 19.6 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 58.344 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

ClientSampled :

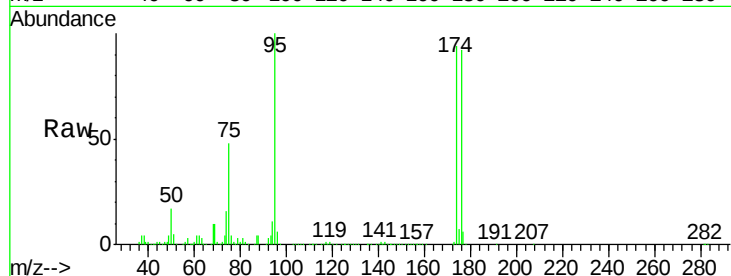
Tot Ion: 95 Resp: 1101212

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

176 94.0 0.0 187.4

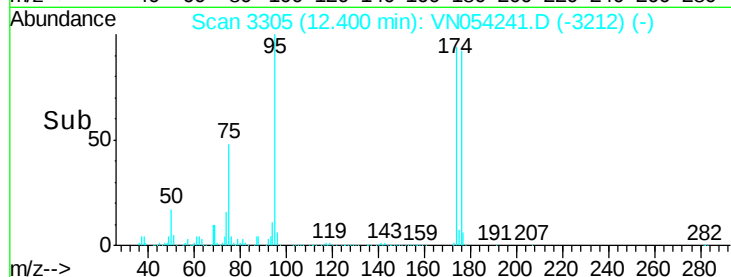


Abundance Ion 94.90 (94.60 to 95.60): VN054241.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054241.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054241.D (-3212) (-)

Time-->

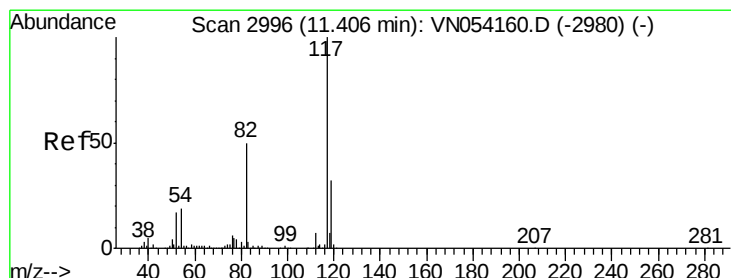


Abundance Ion 94.90 (94.60 to 95.60): VN054241.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054241.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054241.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

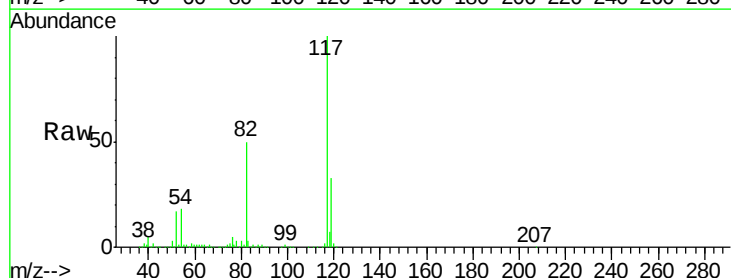
Tgt Ion: 117 Resp: 2399585

Ion Ratio Lower Upper

117 100

82 50.2 40.0 60.0

119 32.8 25.8 38.6

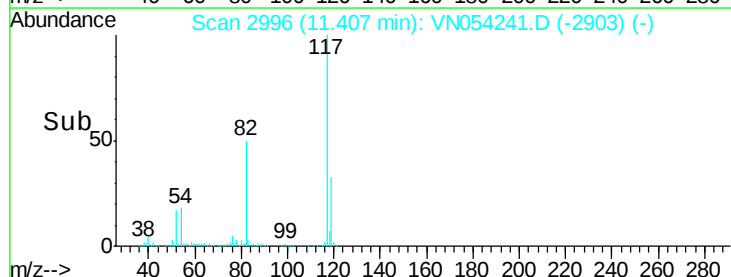


Abundance Ion 116.90 (116.60 to 117.60): VN054241.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054241.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054241.D (-2903) (-)

Time-->

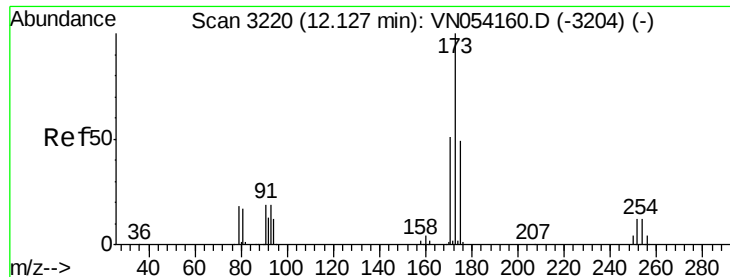


Abundance Ion 116.90 (116.60 to 117.60): VN054241.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054241.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054241.D (-2903) (-)

Time-->



#71

Bromoform

Concen: 2.797 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

ClientSampleId :

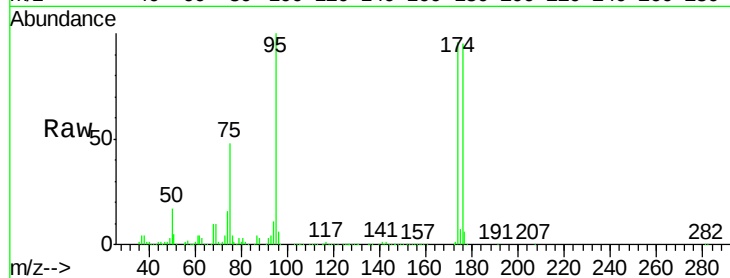
Tot Ion:173 Resp: 6839

Ion Ratio Lower Upper

173 100

175 933.1 24.4 73.2#

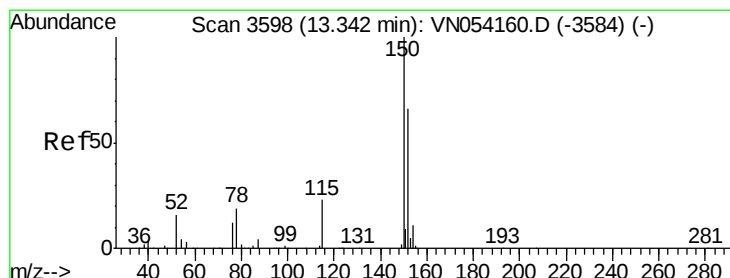
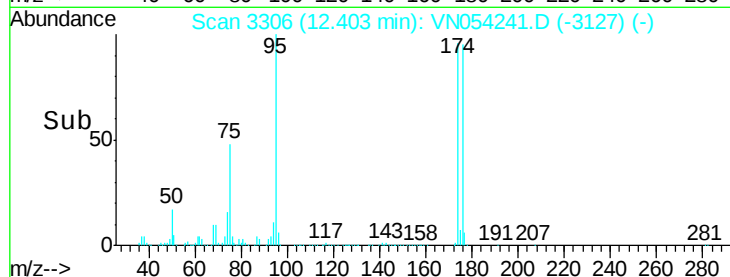
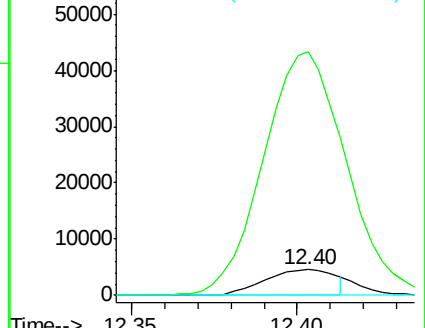
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

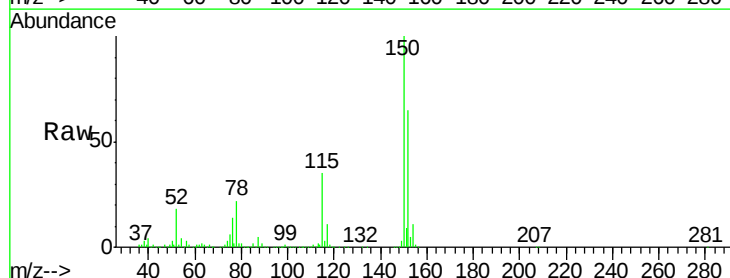
Tgt Ion:152 Resp: 1070069

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

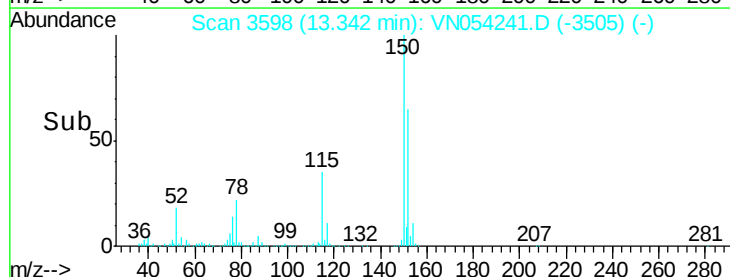
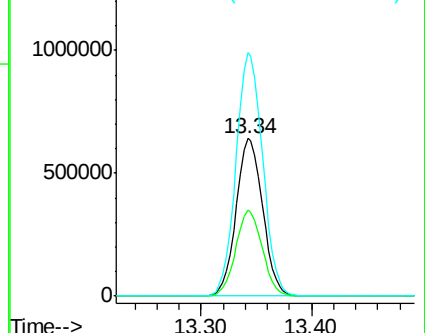
150 155.0 0.0 349.2

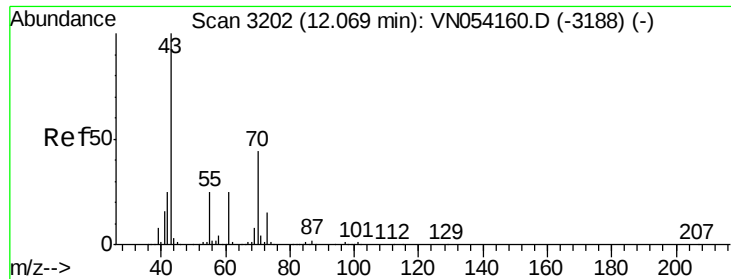


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

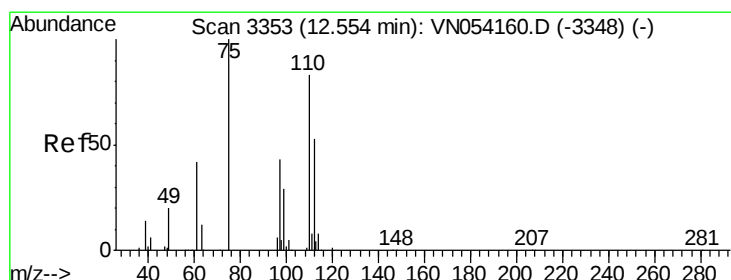
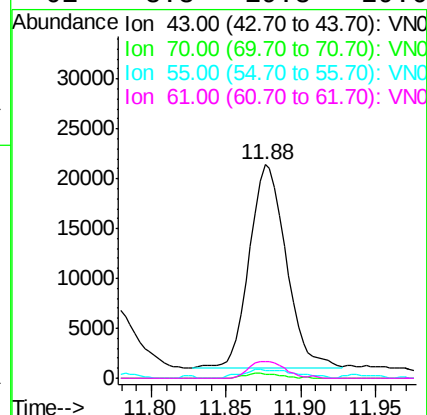
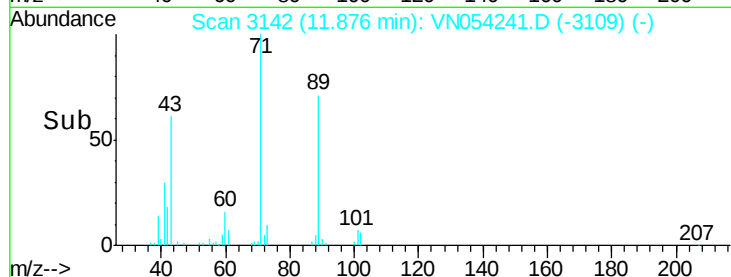
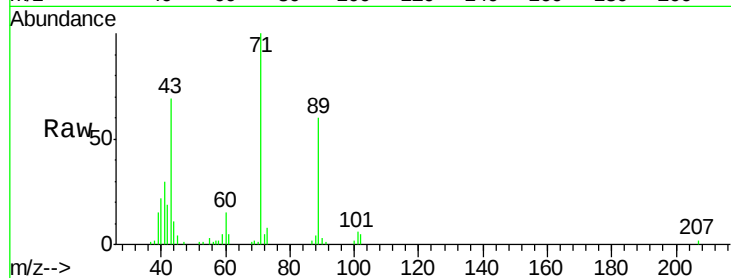




#74
N-amyl acetate
Concen: 1.849 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

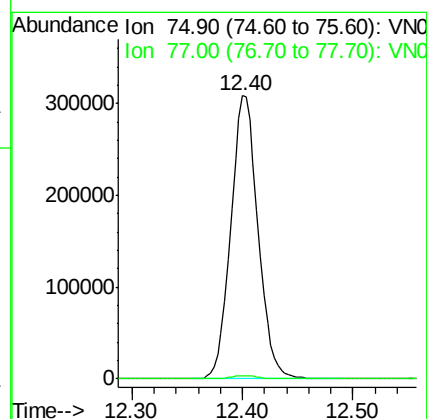
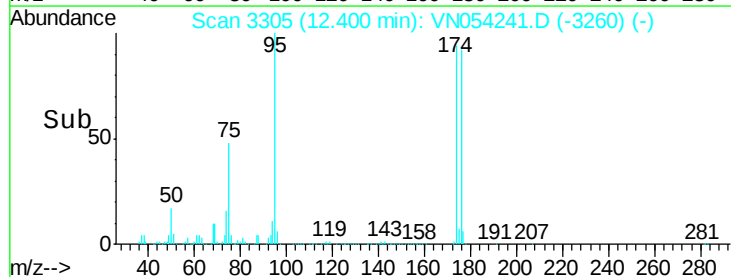
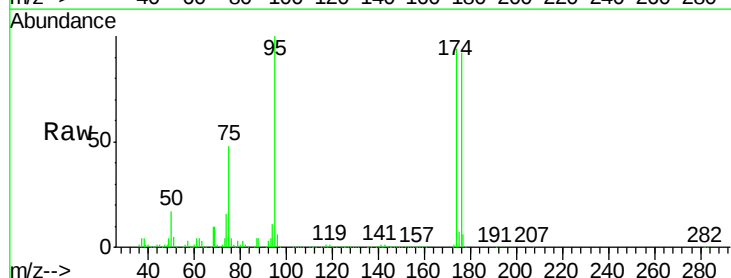
Instrument :
MSVOA_N
ClientSampleId :

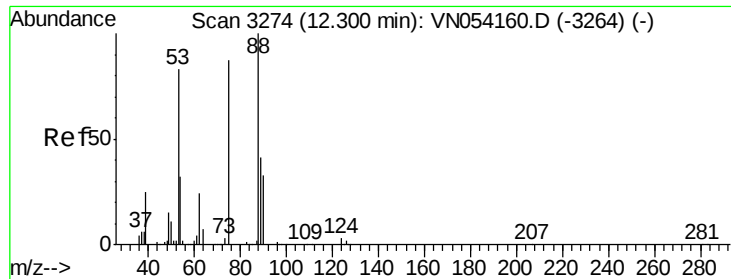
Tot Ion: 43 Resp: 35134
Ion Ratio Lower Upper
43 100
70 2.4 35.4 53.0#
55 3.2 19.8 29.6#
61 8.3 19.8 29.6#



#76
1,2,3-Trichloropropane
Concen: 33.543 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054241.D
Acq: 14 Mar 2019 4:50

Tgt Ion: 75 Resp: 527832
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.666 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

ClientSampled :

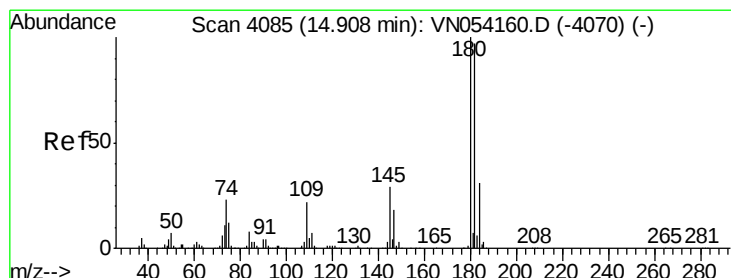
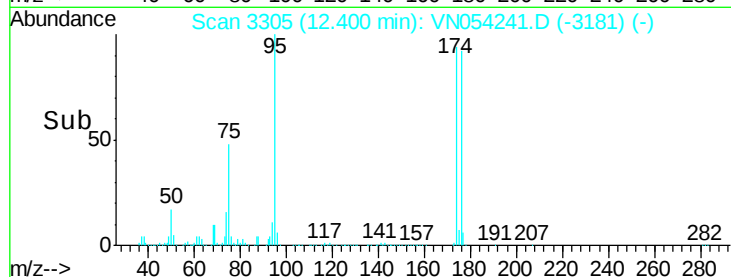
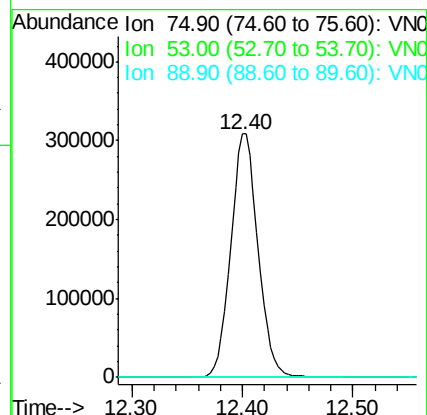
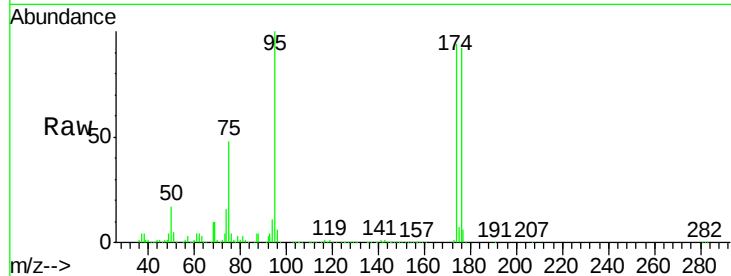
Tot Ion: 75 Resp: 527832

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.546 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

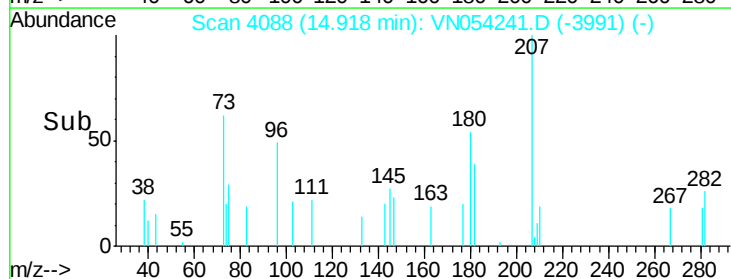
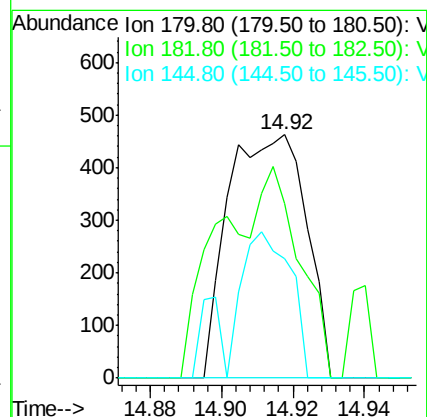
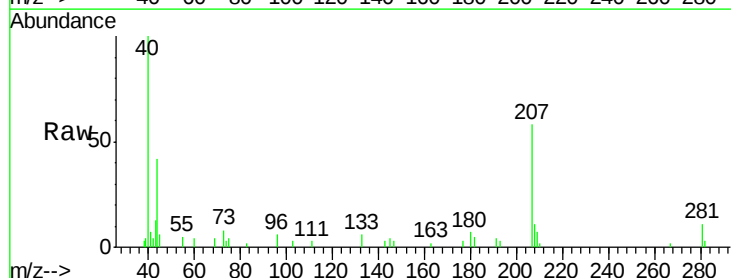
Tgt Ion: 180 Resp: 697

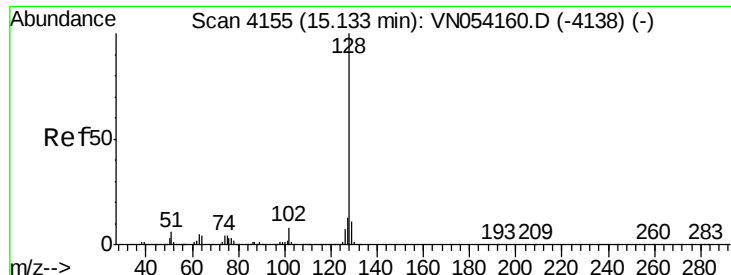
Ion Ratio Lower Upper

180 100

182 46.1 48.0 144.2#

145 37.6 14.2 42.8





#95

Naphthalene

Concen: 3.541 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

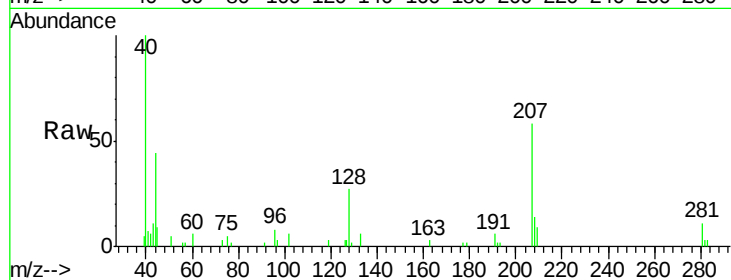
Lab File: VN054241.D

Acq: 14 Mar 2019 4:50

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	3610
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.1	15.1#
129	4.7	8.7	13.1#

