

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054451.D
 Acq On : 19 Mar 2019 20:12
 Operator : JC/SP
 Sample : K1941-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:56:14 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	2155813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	3074365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2496680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	936397	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	929349	40.59	ug/l	0.00
Spiked Amount			Recovery	=	81.18%	
35) Dibromofluoromethane	7.59	113	901134	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
50) Toluene-d8	10.09	98	3478277	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.40	95	1039885	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	

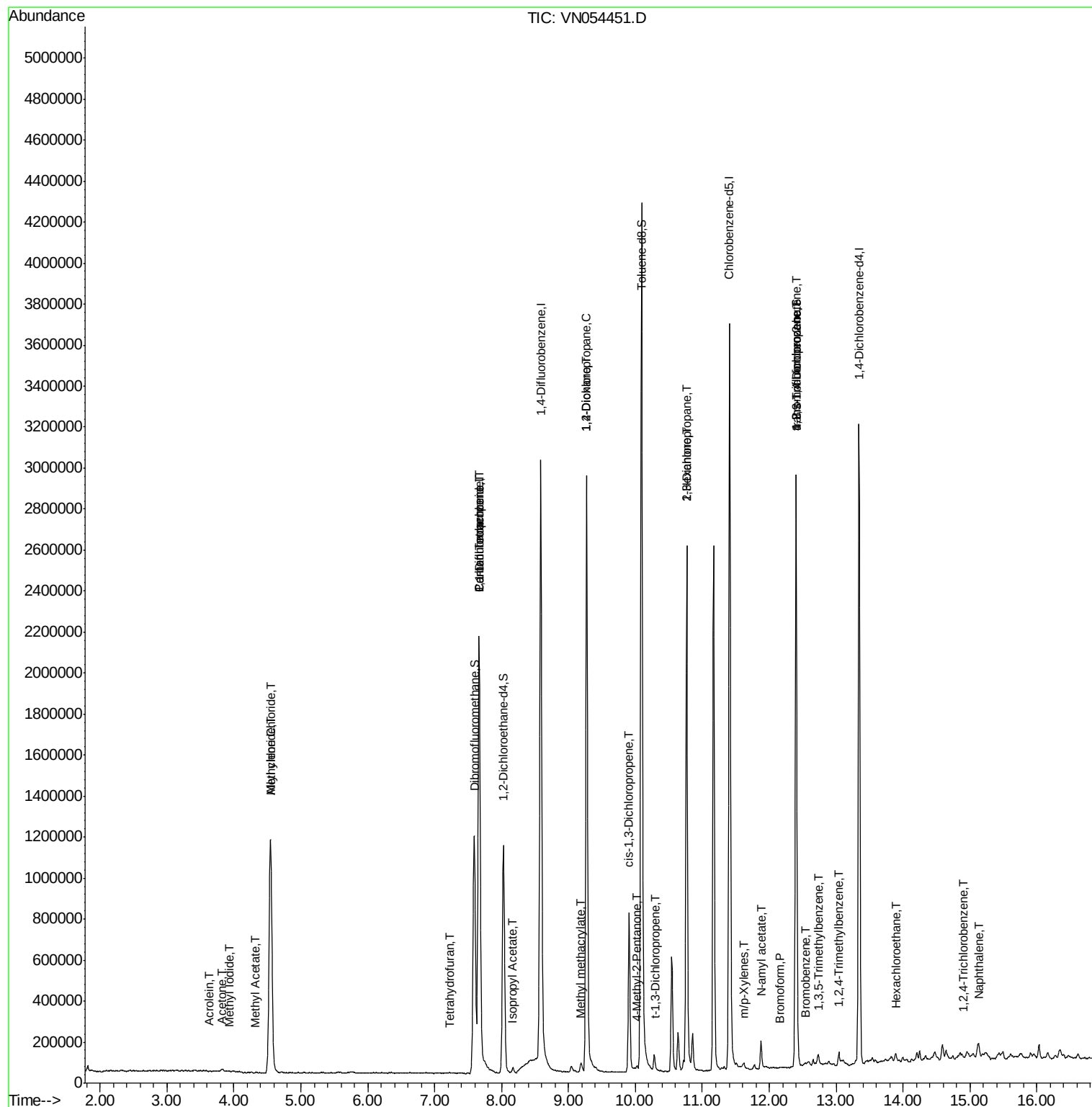
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	134	1.501	ug/l #	45
13) Acrolein	3.62	56	384	0.258	ug/l #	60
14) Allyl chloride	4.54	41	29555	1.029	ug/l #	22
16) Acetone	3.82	43	18196	2.776	ug/l	99
18) Methyl Acetate	4.33	43	4777	0.360	ug/l	98
20) Methylene Chloride	4.55	84	941772	43.753	ug/l	96
29) Tetrahydrofuran	7.23	42	2291	0.463	ug/l #	53
31) Cyclohexane	7.66	56	28106	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	118197	4.175	ug/l #	48
38) Carbon Tetrachloride	7.66	117	172321	5.804	ug/l #	16
43) Isopropyl Acetate	8.17	43	30467	1.067	ug/l #	93
45) 1,2-Dichloropropane	9.27	63	4083	0.203	ug/l #	43
48) Methyl methacrylate	9.18	41	15465	1.067	ug/l #	11
49) 1,4-Dioxane	9.26	88	472	2.303	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17552	1.162	ug/l #	36
53) t-1,3-Dichloropropene	10.31	75	29	1.987	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	164925	5.194	ug/l #	57
57) 1,3-Dichloropropane	10.76	76	30409	0.991	ug/l #	43
59) 2-Hexanone	10.76	43	358823	35.686	ug/l #	52
68) m/p-Xylenes	11.62	106	8626	0.243	ug/l	82
71) Bromoform	12.17	173	233	2.365	ug/l #	28
74) N-amyl acetate	11.88	43	40471	2.434	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	464913	33.762	ug/l #	100
77) Bromobenzene	12.53	156	4536	0.229	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	25691	0.412	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	464913	115.415	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	36950	0.604	ug/l	99
90) Hexachloroethane	13.89	117	2219	0.205	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	153	2.524	ug/l #	1
95) Naphthalene	15.13	128	55845	4.735	ug/l	96

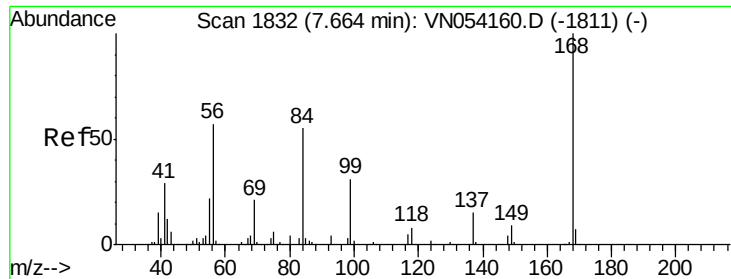
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

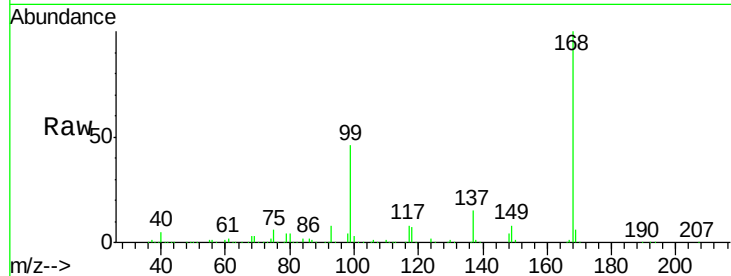
ClientSampleId :

Tot Ion:168 Resp: 2155813

Ion Ratio Lower Upper

168 100

99 45.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

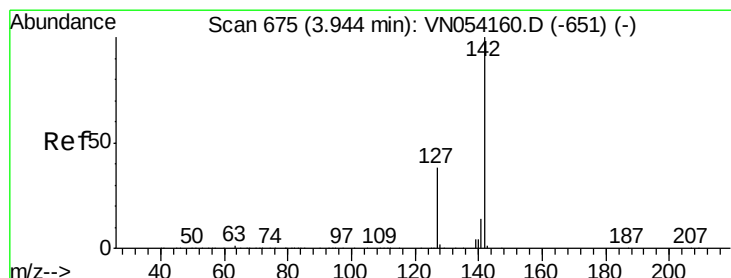
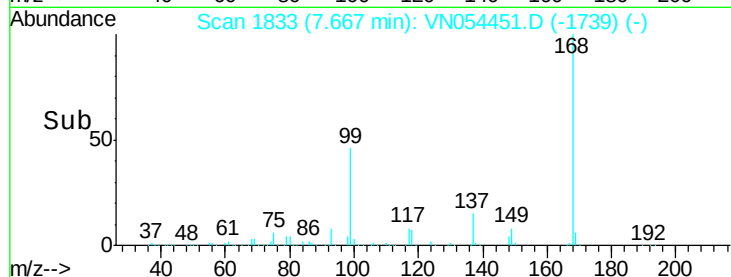
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.501 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

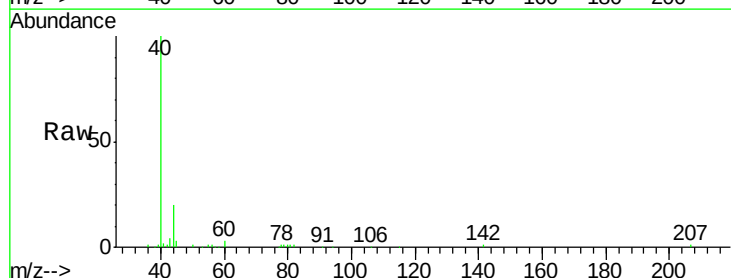
Tgt Ion:142 Resp: 134

Ion Ratio Lower Upper

142 100

127 0.0 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

3.93

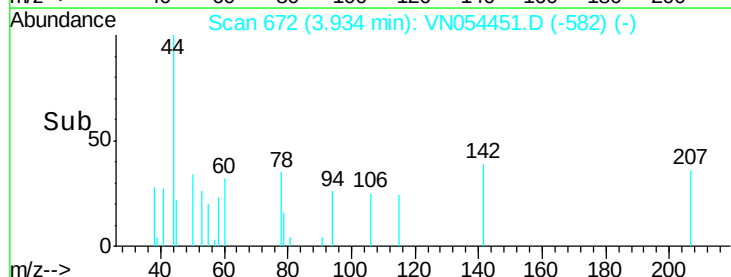
300

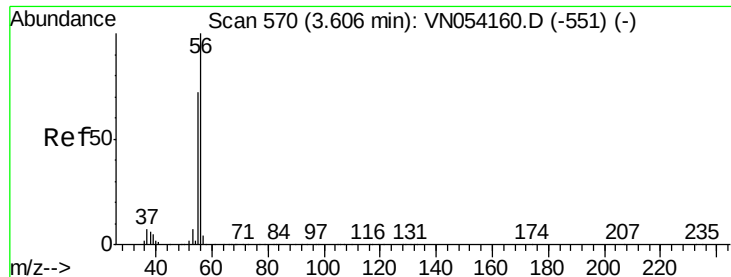
200

100

0

Time--> 3.92 3.93 3.94 3.95





#13

Acrolein

Concen: 0.258 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

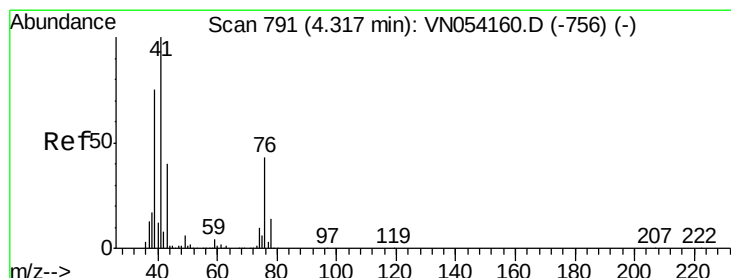
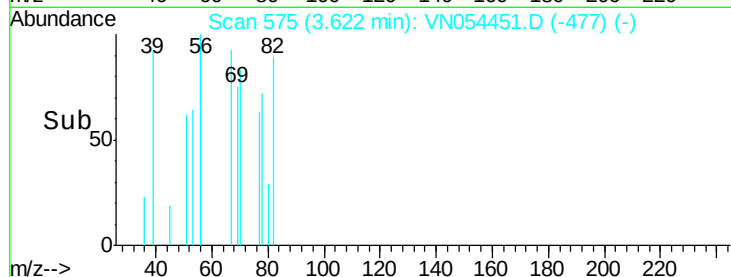
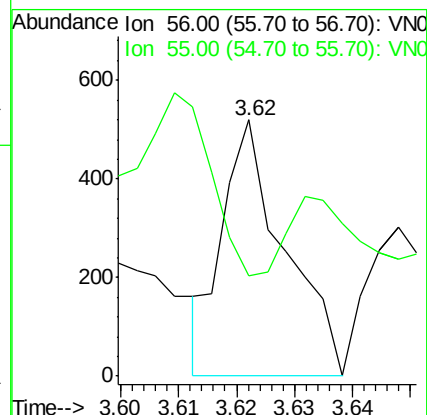
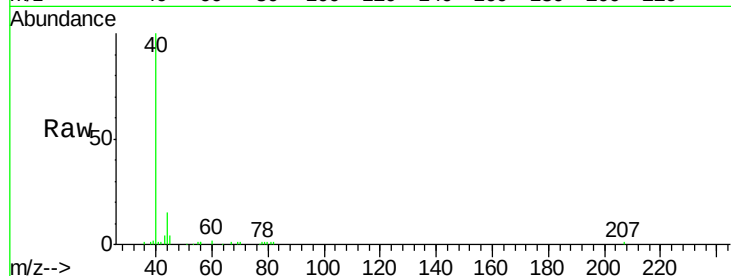
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 384

Ion Ratio Lower Upper

56 100

55 37.5 56.7 85.1#



#14

Allyl chloride

Concen: 1.029 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

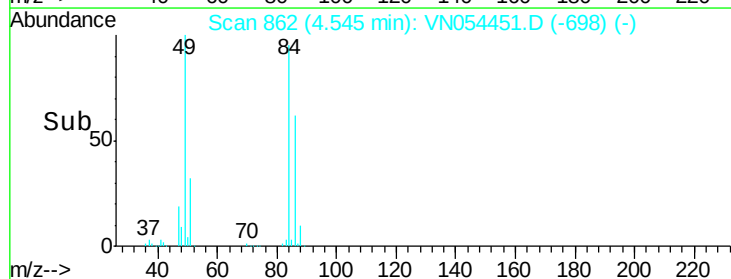
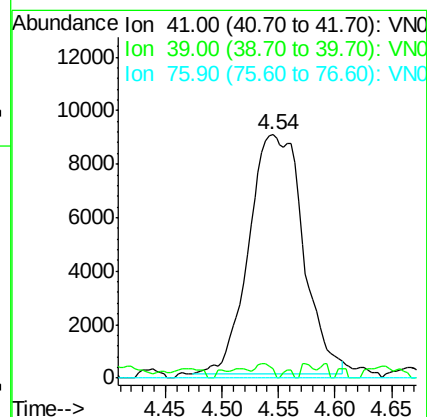
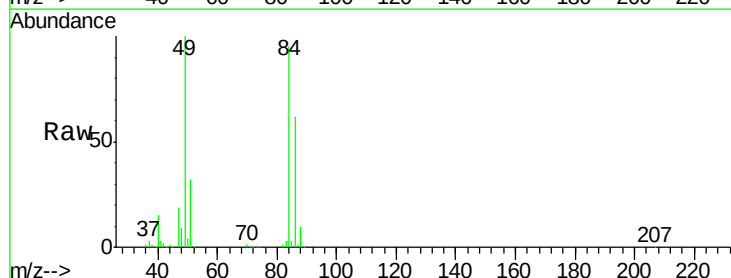
Tgt Ion: 41 Resp: 29555

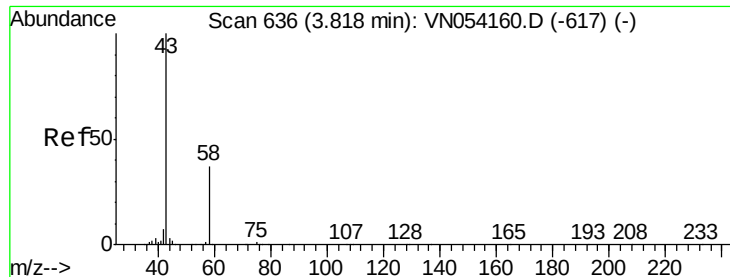
Ion Ratio Lower Upper

41 100

39 1.8 58.2 87.4#

76 0.0 31.7 47.5#





#16

Acetone

Concen: 2.776 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

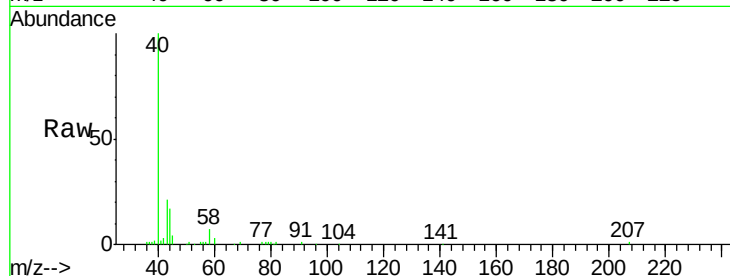
ClientSampleId :

Tot Ion: 43 Resp: 18196

Ion Ratio Lower Upper

43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

8000

6000

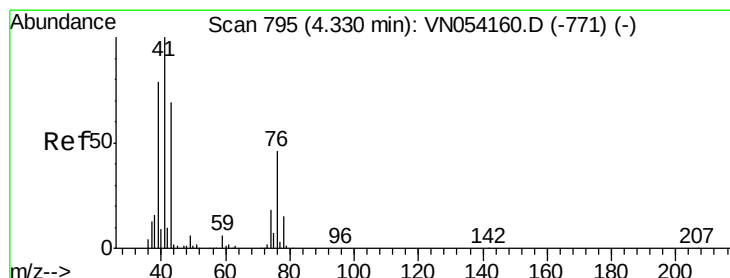
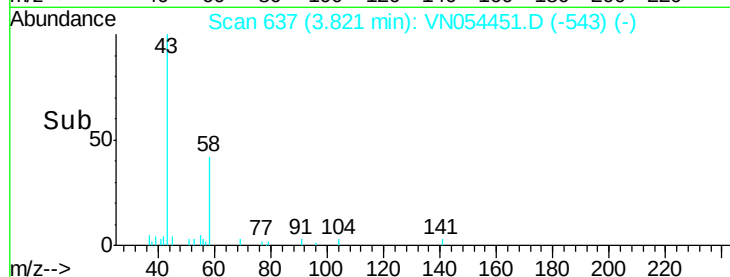
4000

2000

0

Time-->

3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 0.360 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054451.D

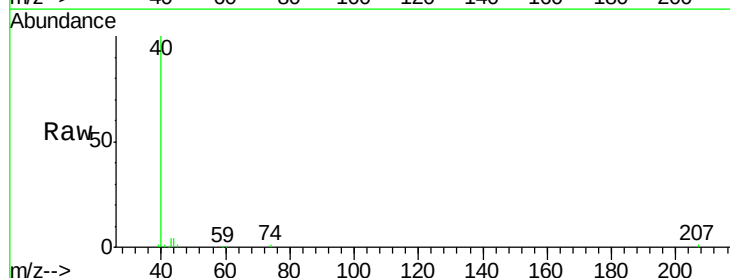
Acq: 19 Mar 2019 20:12

Tgt Ion: 43 Resp: 4777

Ion Ratio Lower Upper

43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

2000

1500

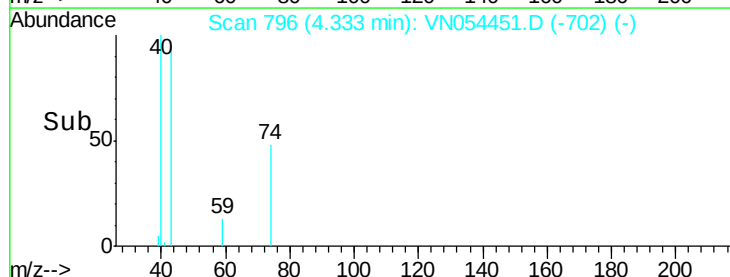
1000

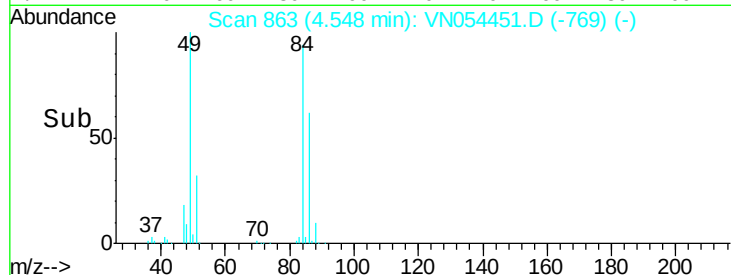
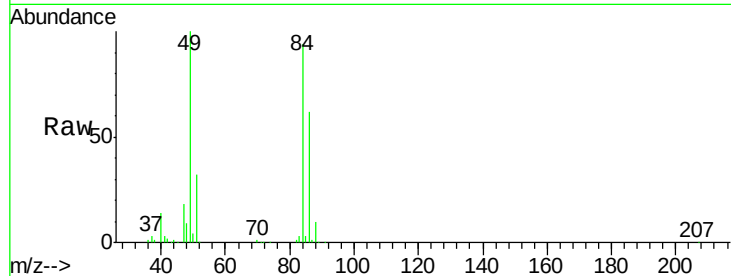
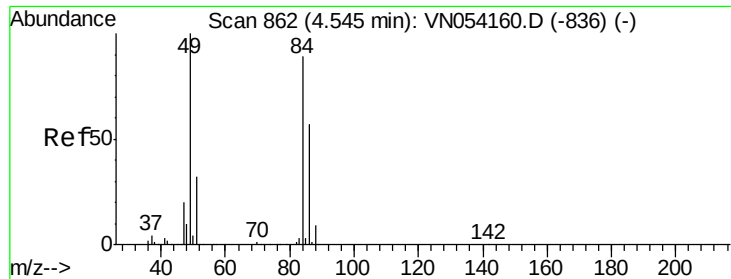
500

0

Time-->

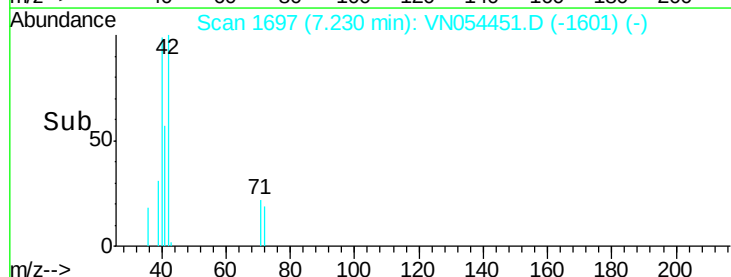
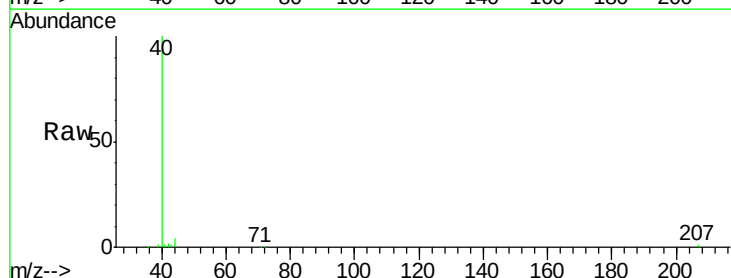
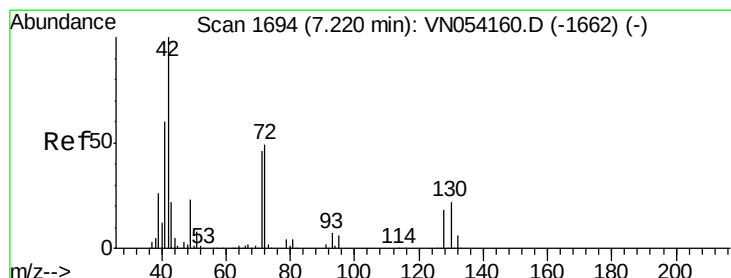
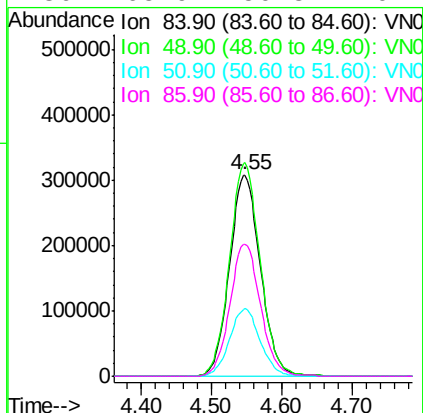
4.25 4.30 4.35 4.40





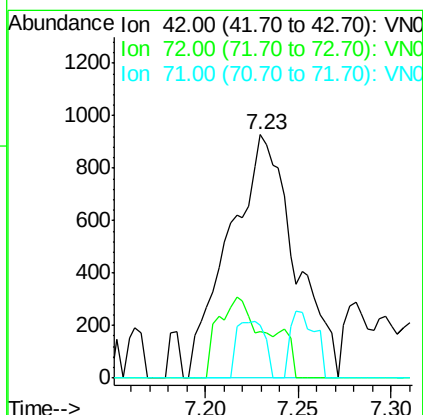
#20
Methylene Chloride
Concen: 43.753 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054451.D
Acq: 19 Mar 2019 20:12

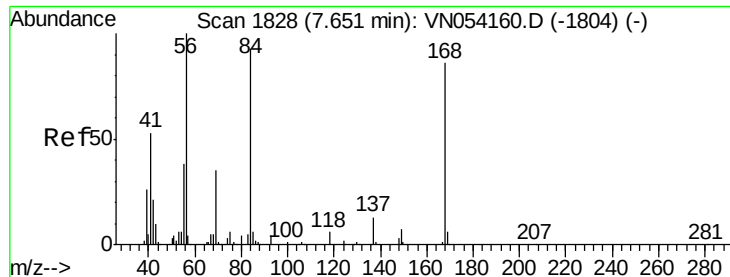
Tot Ion:	84	Resp:	941772
Ion	Ratio	Lower	Upper
84	100		
49	106.3	89.7	134.5
51	33.8	28.2	42.4
86	65.9	50.8	76.2



#29
Tetrahydrofuran
Concen: 0.463 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN054451.D
Acq: 19 Mar 2019 20:12

Tgt Ion:	42	Resp:	2291
Ion	Ratio	Lower	Upper
42	100		
72	20.7	37.8	56.6#
71	10.0	36.2	54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

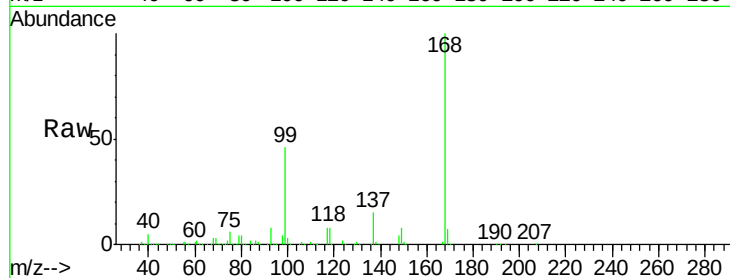
Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

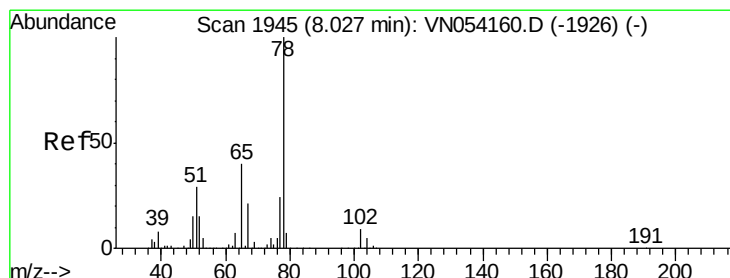
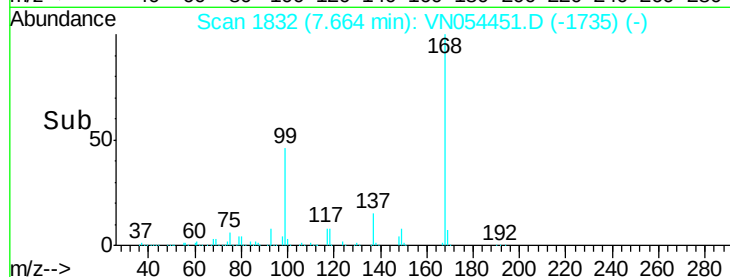
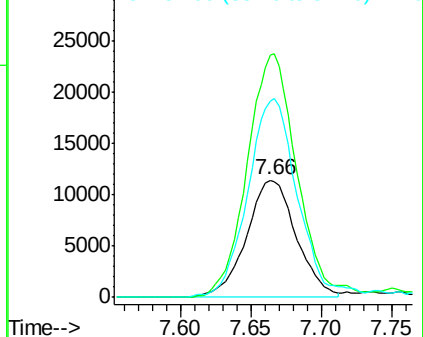
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 28106

Ion	Ratio	Lower	Upper
56	100		
69	206.7	27.8	41.6#
84	167.9	74.6	111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 40.592 ug/l

RT: 8.03 min Scan# 1945

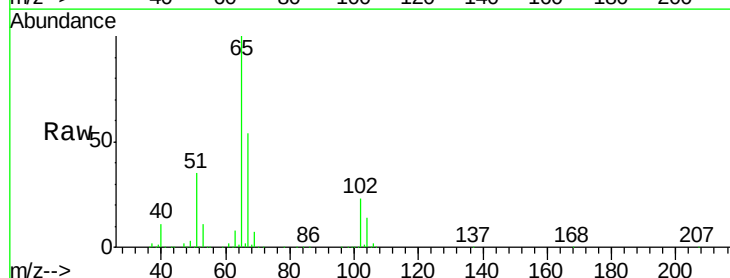
Delta R.T. -0.00 min

Lab File: VN054451.D

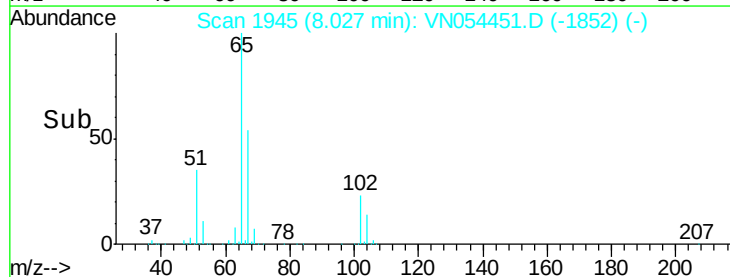
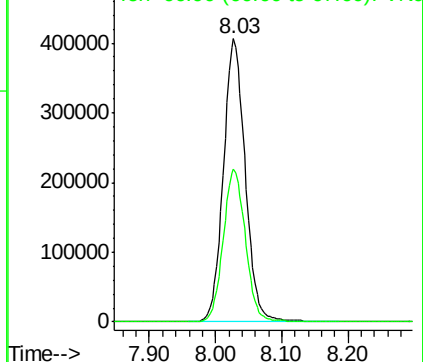
Acq: 19 Mar 2019 20:12

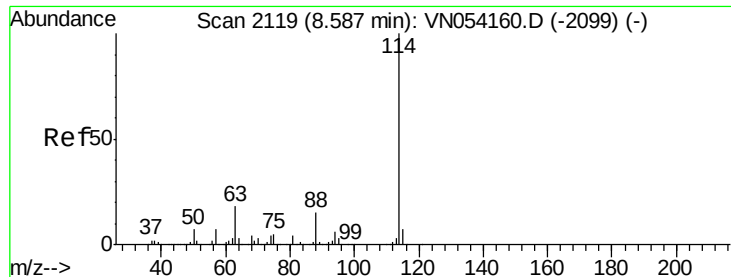
Tgt Ion: 65 Resp: 929349

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



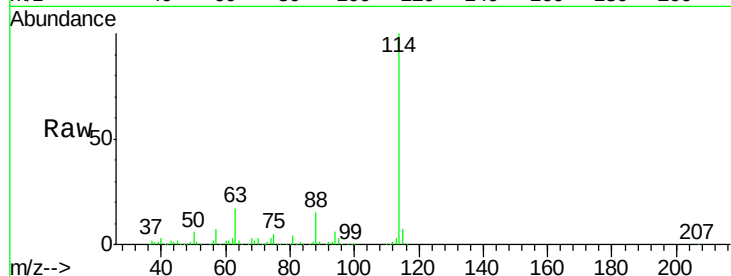


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

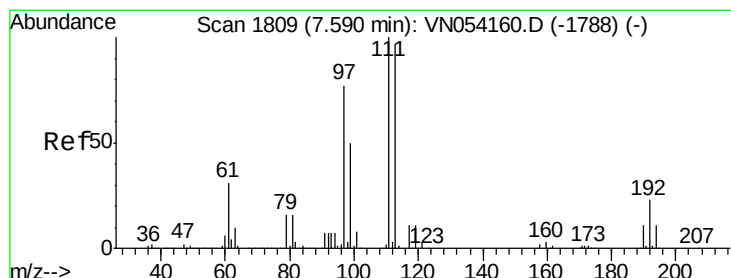
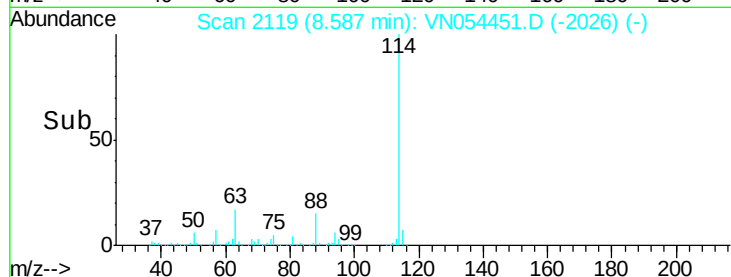
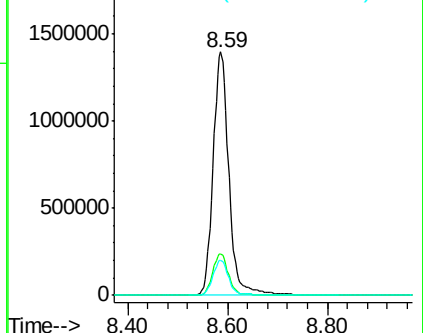
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 3074365

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.2
88	14.6	0.0	30.2



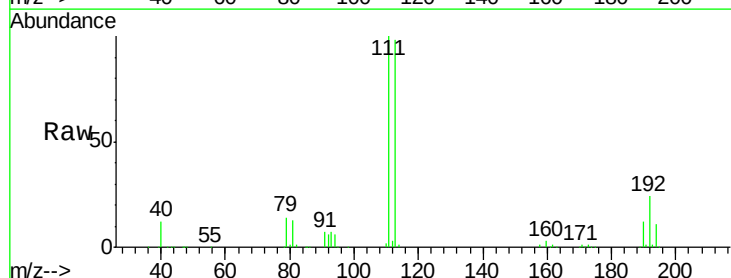
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



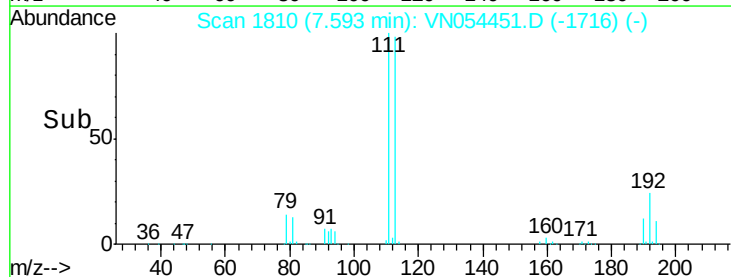
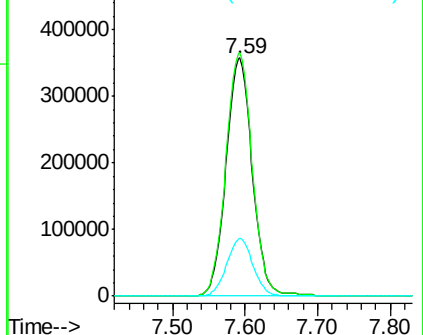
#35
 Dibromofluoromethane
 Concen: 45.447 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

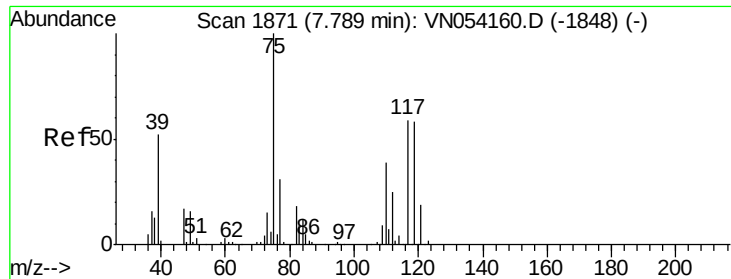
Tgt Ion:113 Resp: 901134

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	24.1	19.2	28.8



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

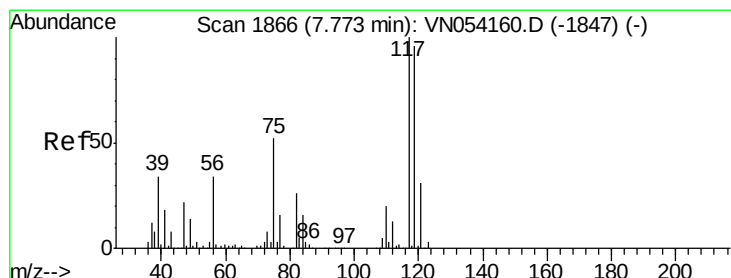
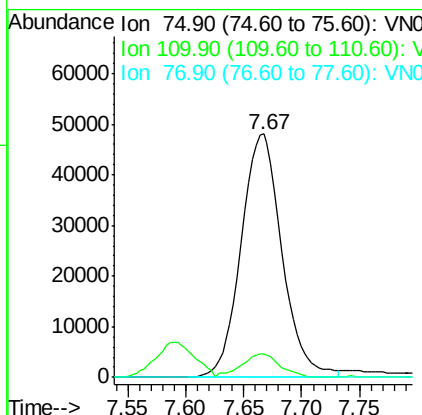
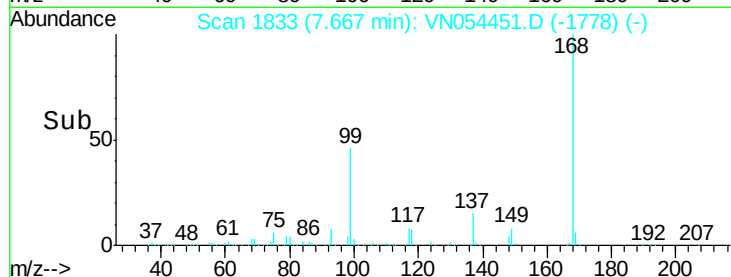
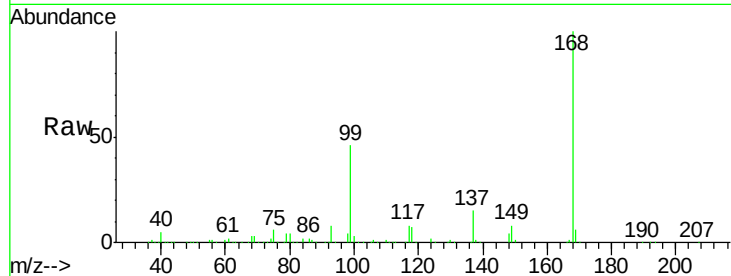




#36
 1,1-Dichloropropene
 Concen: 4.175 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

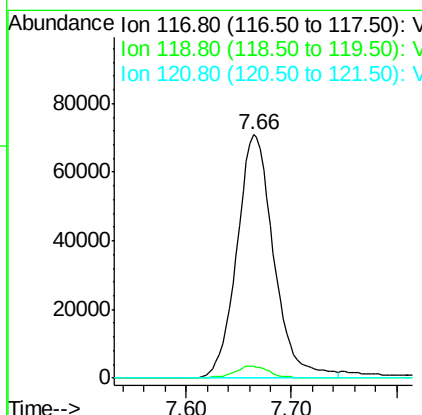
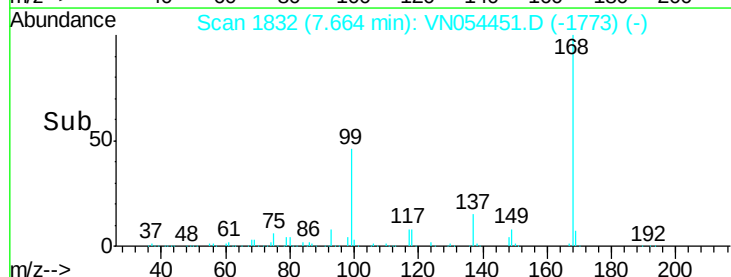
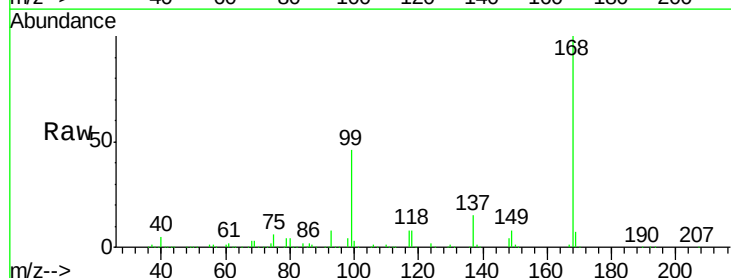
Instrument :
 MSVOA_N
 ClientSampleId :

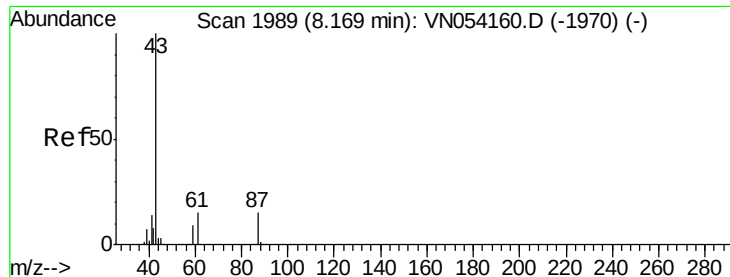
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 1.067 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

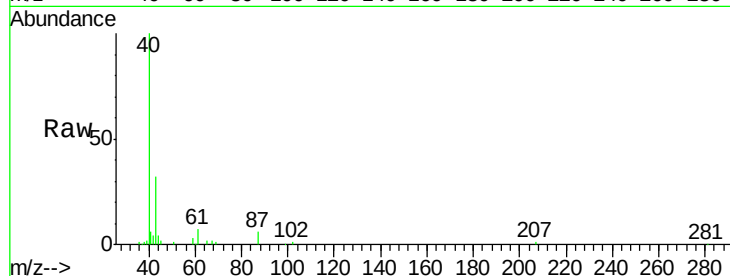
Tot Ion: 43 Resp: 30467

Ion Ratio Lower Upper

43 100

61 22.6 15.8 23.8

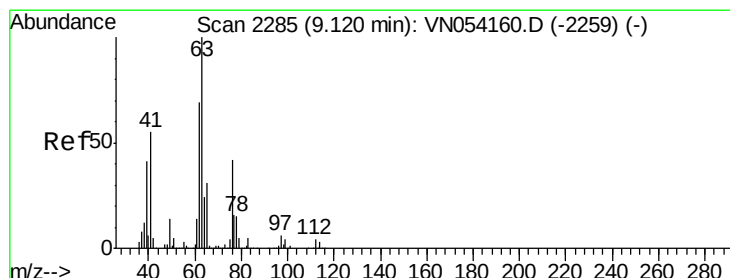
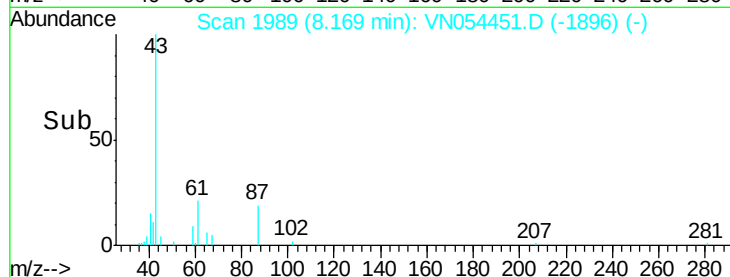
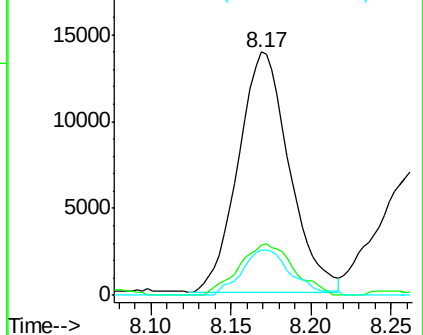
87 18.3 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.203 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN054451.D

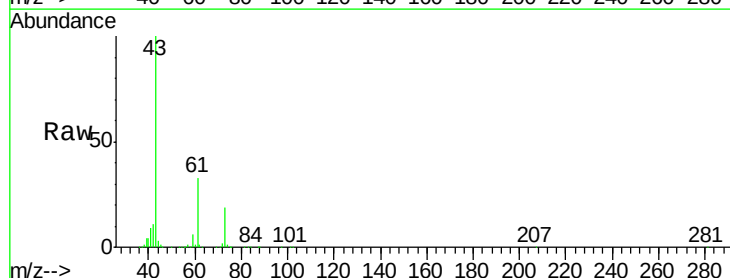
Acq: 19 Mar 2019 20:12

Tgt Ion: 63 Resp: 4083

Ion Ratio Lower Upper

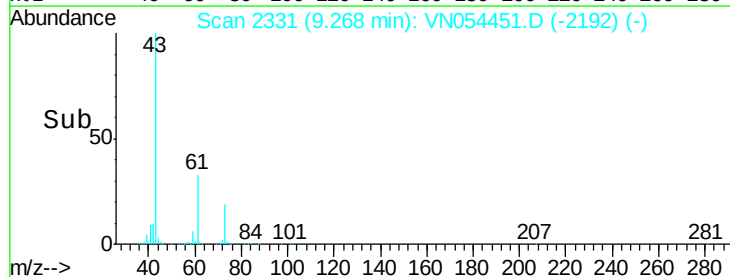
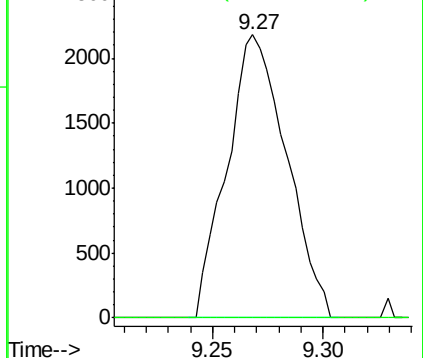
63 100

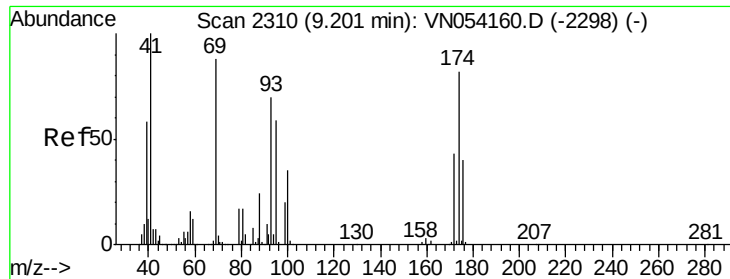
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

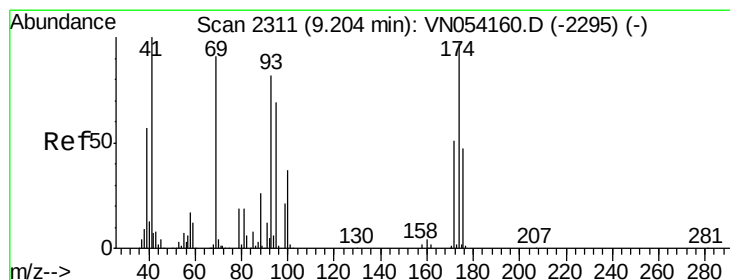
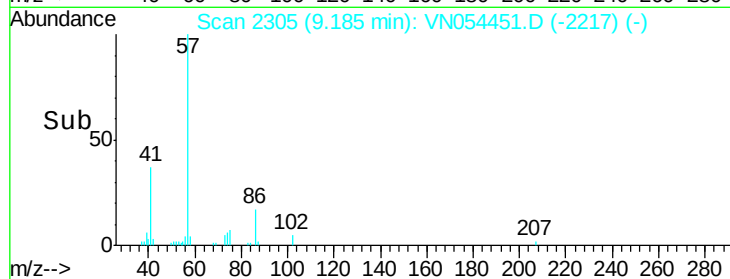
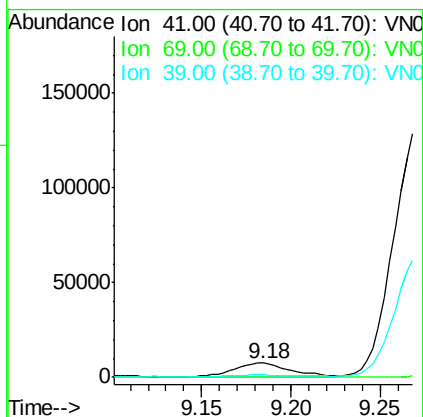
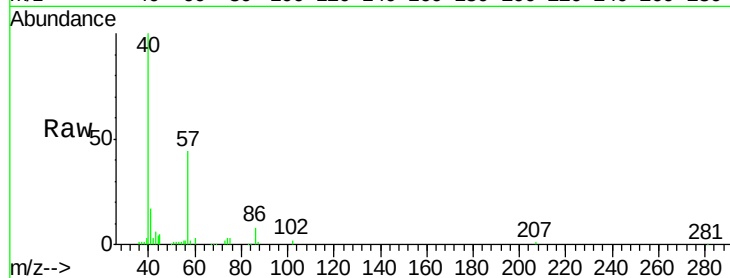




#48
Methvl methacrylate
Concen: 1.067 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054451.D
Acq: 19 Mar 2019 20:12

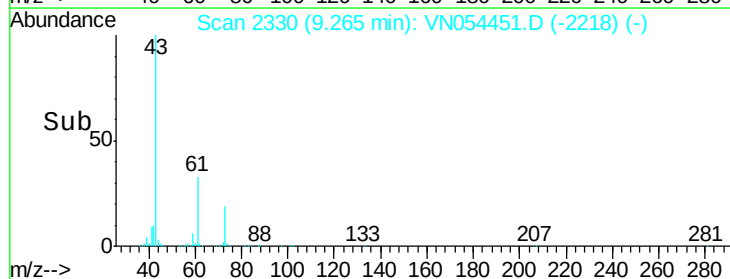
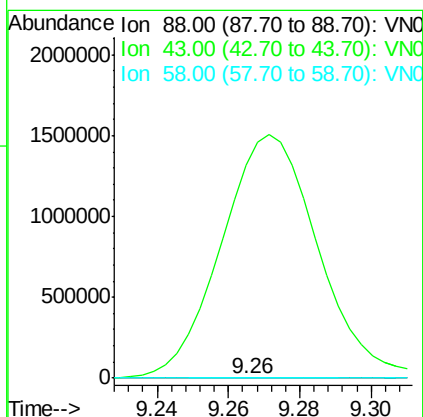
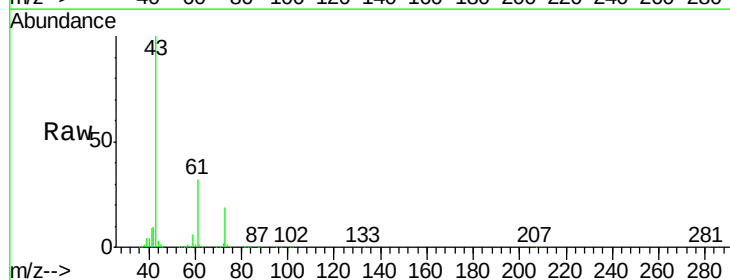
Instrument :
MSVOA_N
ClientSampleId :

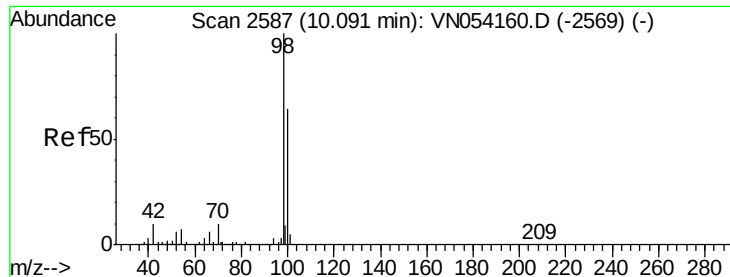
Tot Ion: 41 Resp: 15465
Ion Ratio Lower Upper
41 100
69 0.4 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.303 ug/l
RT: 9.26 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN054451.D
Acq: 19 Mar 2019 20:12

Tgt Ion: 88 Resp: 472
Ion Ratio Lower Upper
88 100
43 626343.4 24.1 36.1#
58 2539.0 50.8 76.2#





#50

Toluene-d8

Concen: 47.499 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

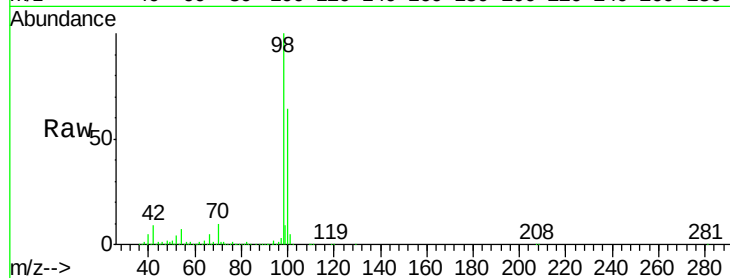
ClientSampleId :

Tot Ion: 98 Resp: 3478277

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

2000000

1500000

1000000

500000

0

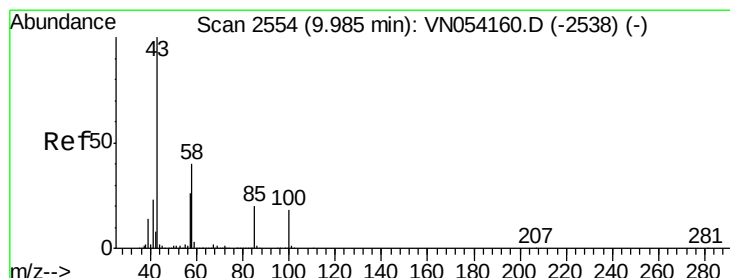
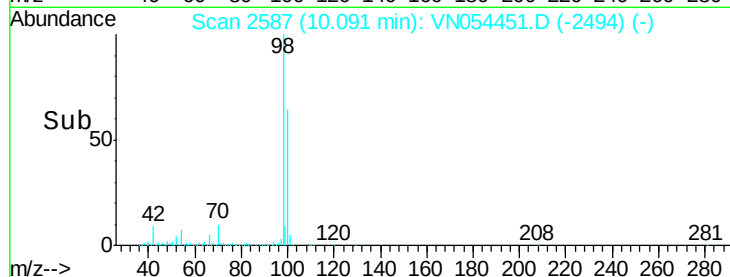
10.09

10.00

10.20

10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.162 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054451.D

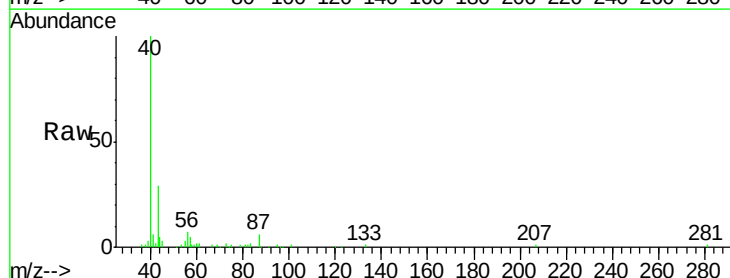
Acq: 19 Mar 2019 20:12

Tgt Ion: 43 Resp: 17552

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

15000

10000

5000

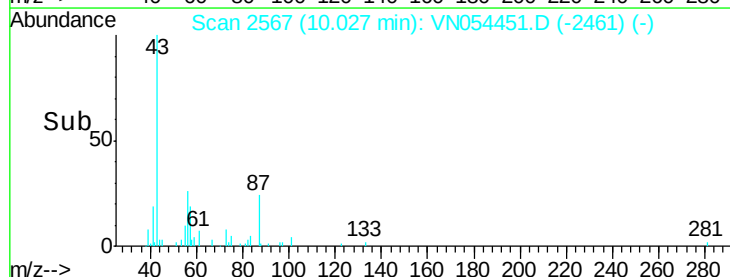
0

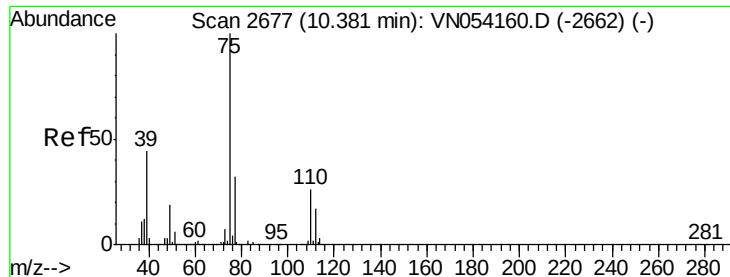
10.03

10.00

10.05

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.31 min Scan# 2654

Delta R.T. -0.07 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

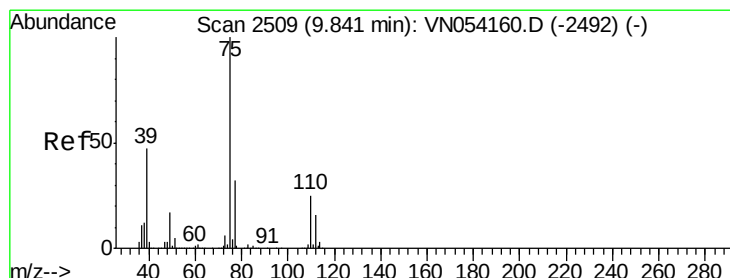
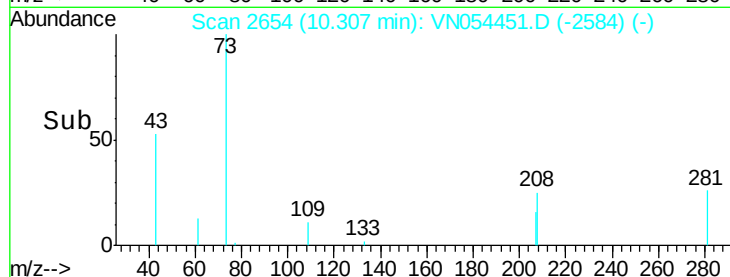
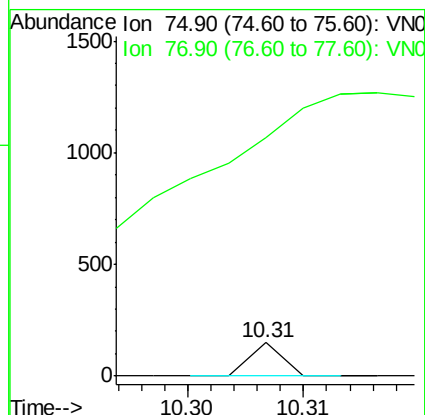
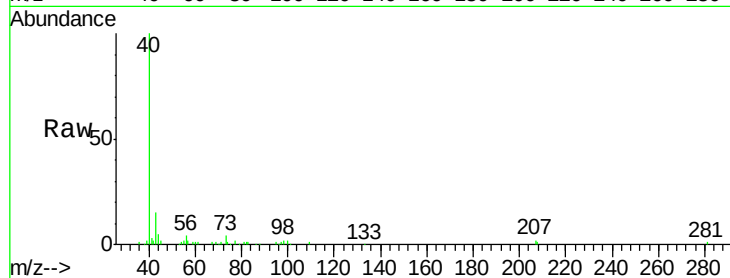
ClientSampled :

Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 121.2 25.8 38.8#



#54

cis-1,3-Dichloropropene

Concen: 5.194 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

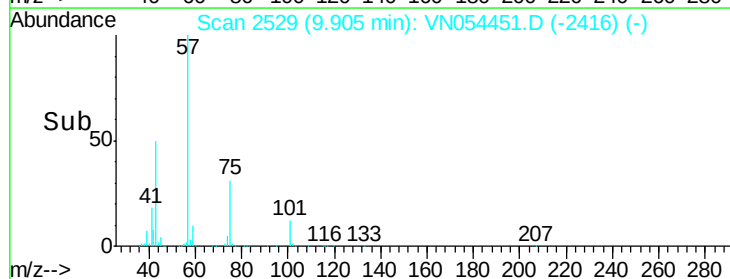
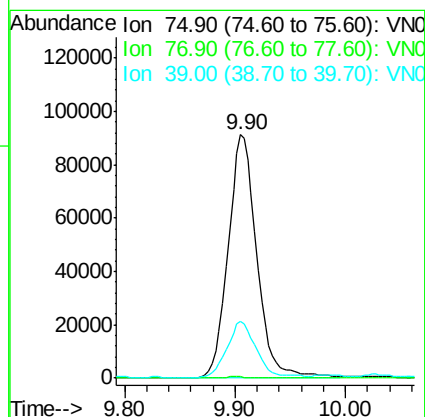
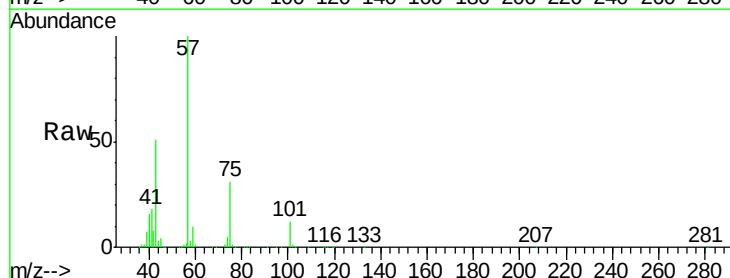
Tgt Ion: 75 Resp: 164925

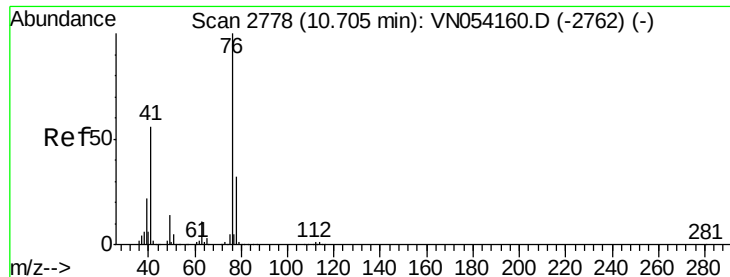
Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

39 23.5 37.2 55.8#





#57

1,3-Dichloropropane

Concen: 0.991 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

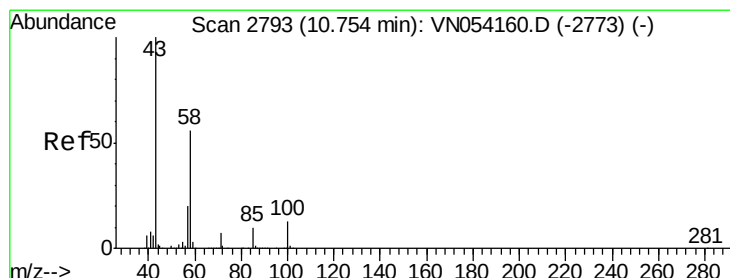
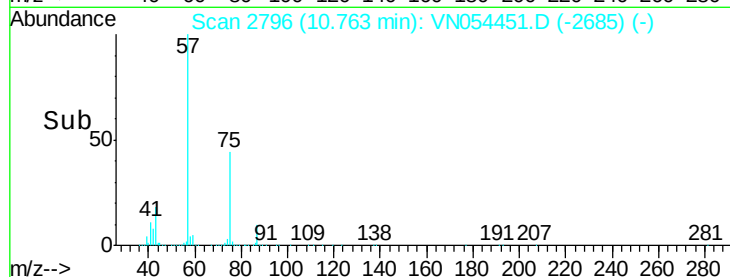
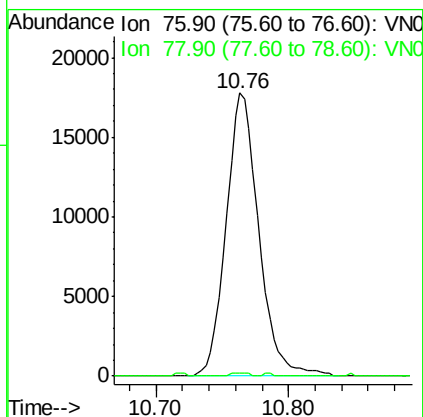
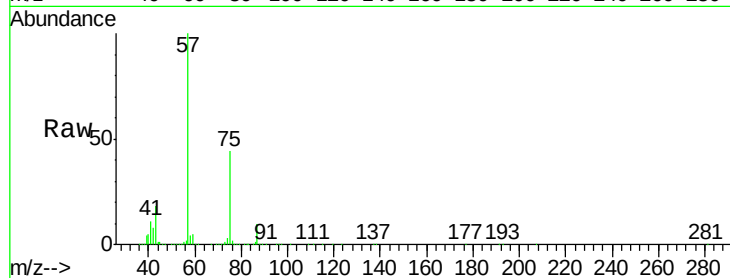
ClientSampleId :

Tot Ion: 76 Resp: 30409

Ion Ratio Lower Upper

76 100

78 0.6 25.7 38.5#



#59

2-Hexanone

Concen: 35.686 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN054451.D

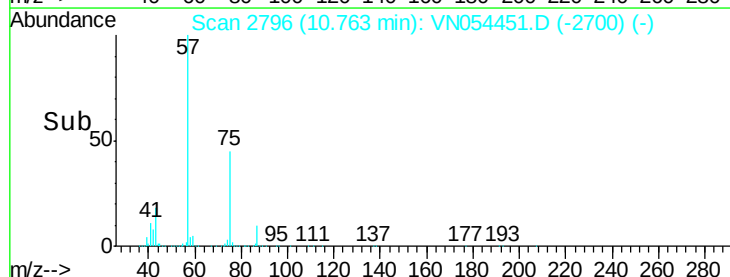
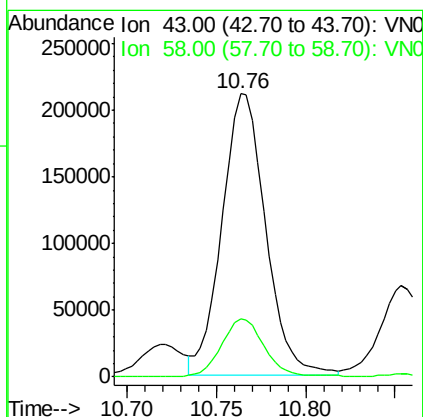
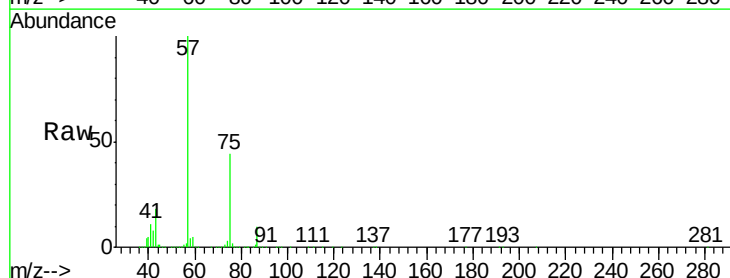
Acq: 19 Mar 2019 20:12

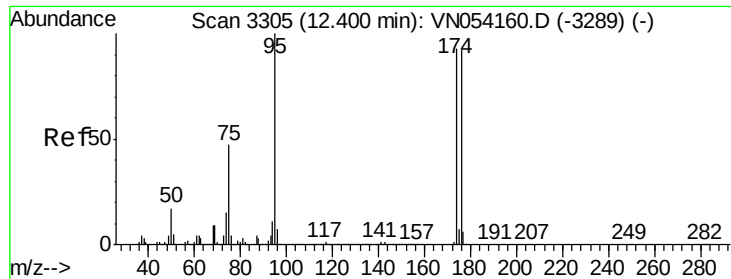
Tgt Ion: 43 Resp: 358823

Ion Ratio Lower Upper

43 100

58 20.7 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 40.584 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

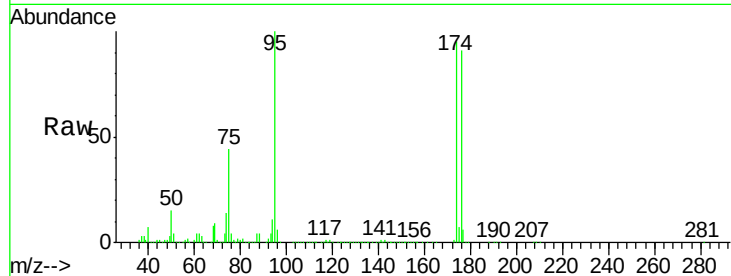
Tot Ion: 95 Resp: 1039885

Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	191.0
176	92.6	0.0	187.4

95 100

174 95.1 0.0 191.0

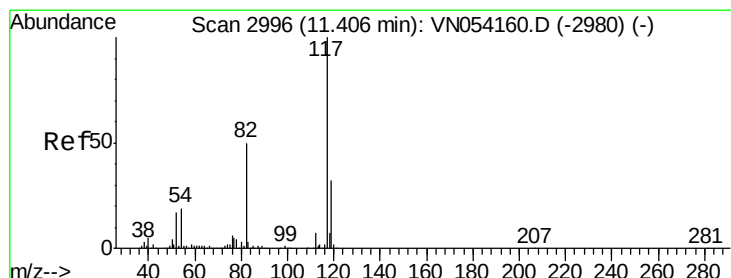
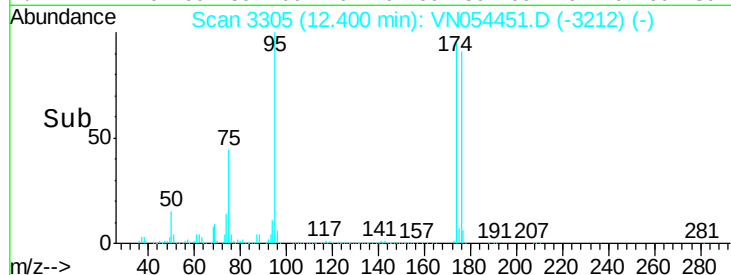
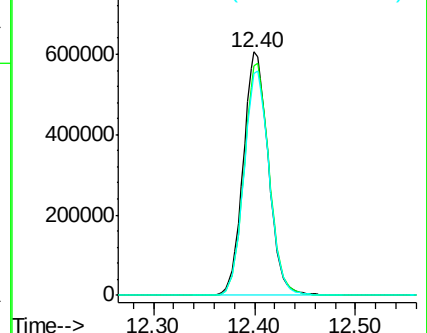
176 92.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054451.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054451.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054451.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

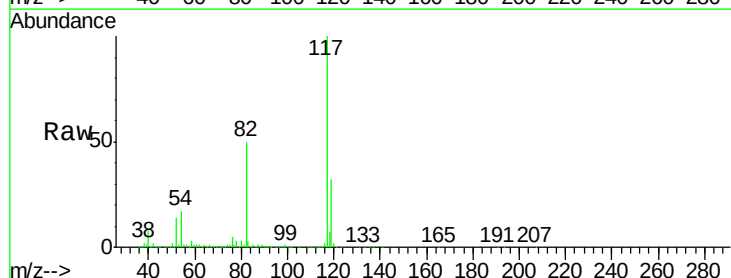
Tgt Ion: 117 Resp: 2496680

Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.0	60.0
119	32.3	25.8	38.6

117 100

82 50.0 40.0 60.0

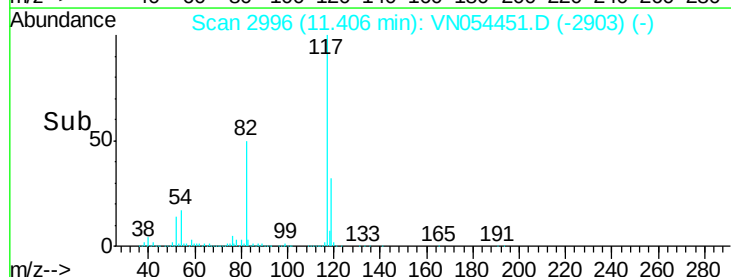
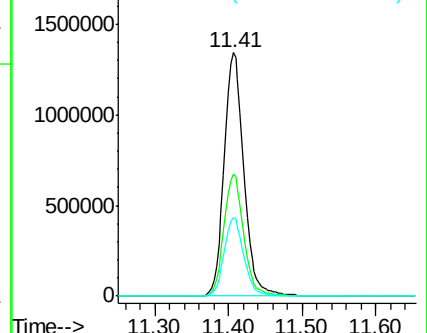
119 32.3 25.8 38.6

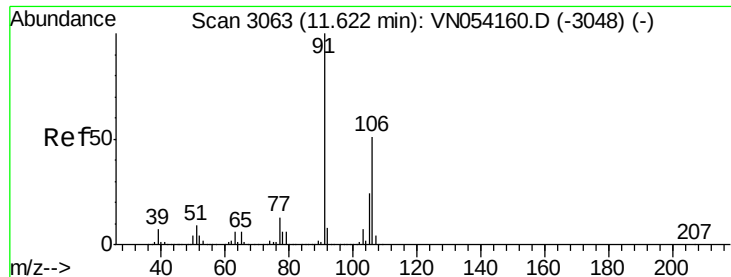


Abundance Ion 116.90 (116.60 to 117.60): VN054451.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054451.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054451.D (-2903) (-)





#68

m/p-Xvlenes

Concen: 0.243 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

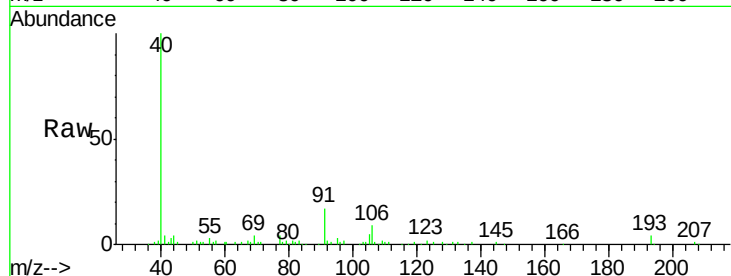
ClientSampled :

Tot Ion:106 Resp: 8626

Ion Ratio Lower Upper

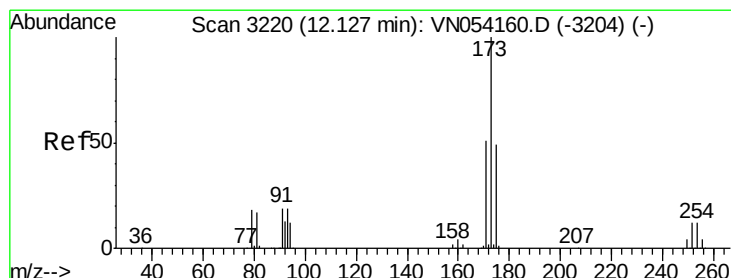
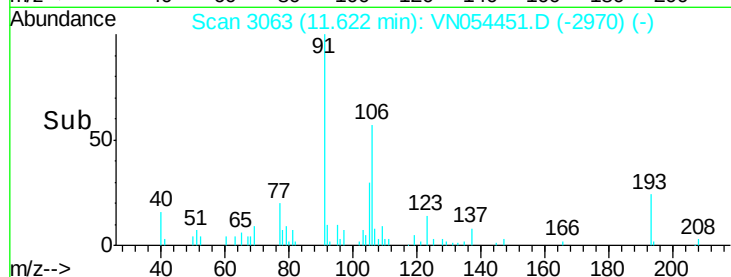
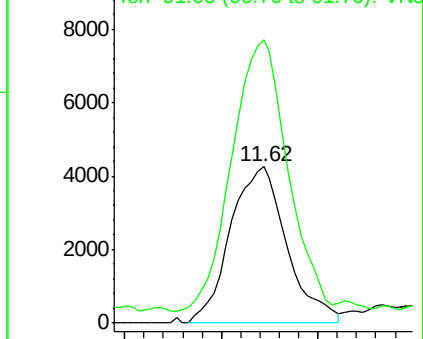
106 100

91 171.8 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#71

Bromoform

Concen: 2.365 ug/l

RT: 12.17 min Scan# 3232

Delta R.T. 0.04 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

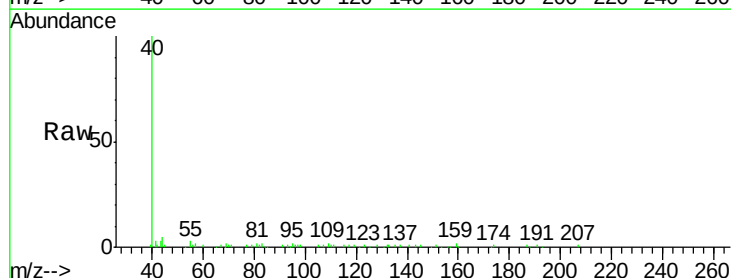
Tgt Ion:173 Resp: 233

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

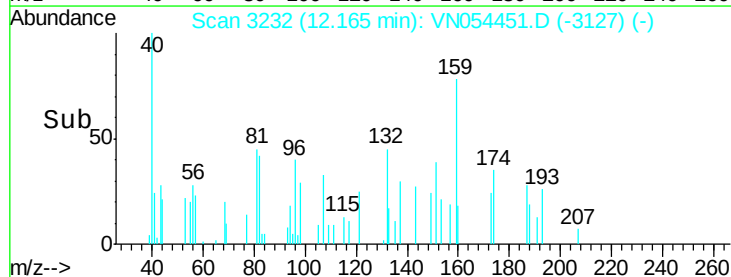
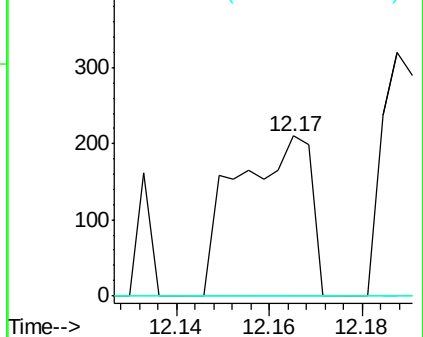
254 0.0 0.1 0.1#

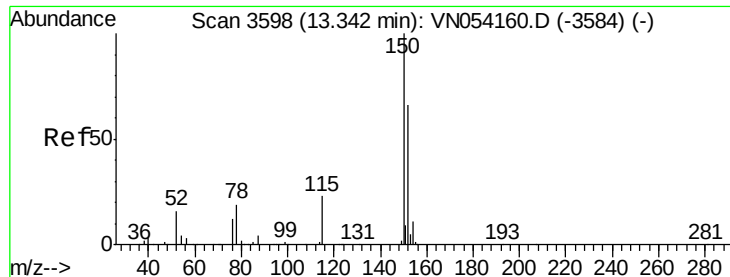


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054451.D

Acq: 19 Mar 2019 20:12

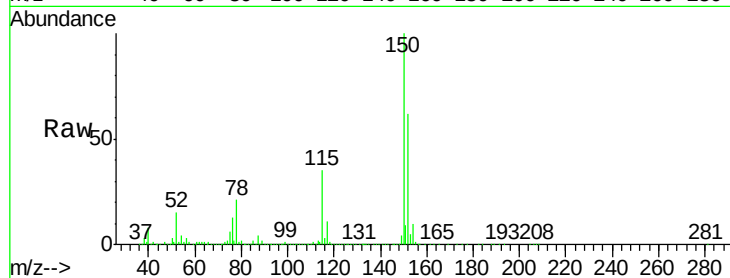
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:152 Resp: 936397

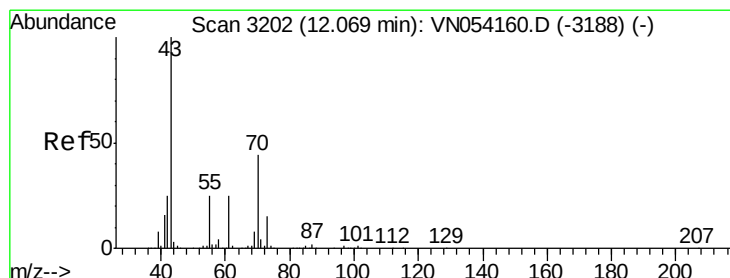
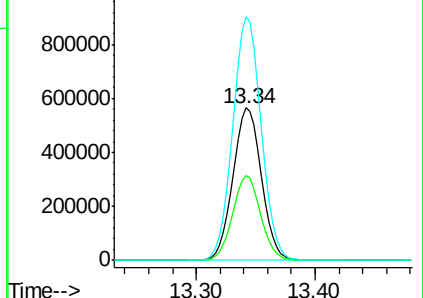
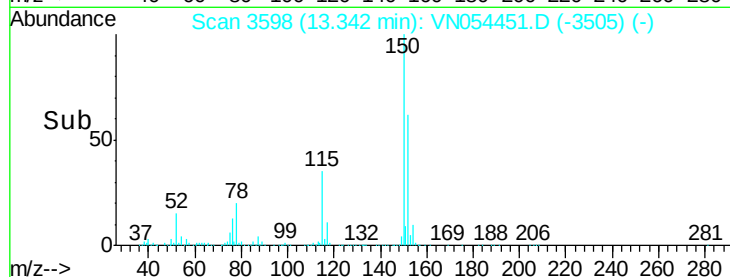
Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	159.4	0.0	349.2



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-ethyl acetate

Concen: 2.434 ug/l

RT: 11.88 min Scan# 3142

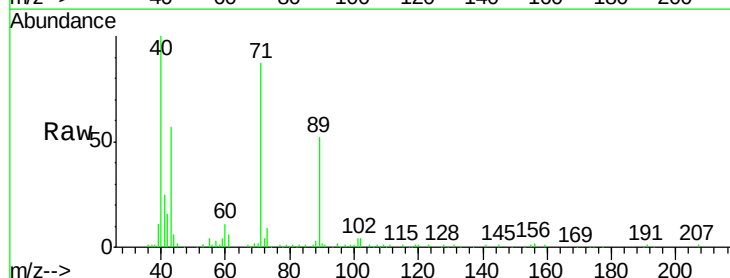
Delta R.T. -0.19 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Tgt Ion: 43 Resp: 40471

Ion	Ratio	Lower	Upper
43	100		
70	2.1	35.4	53.0#
55	3.5	19.8	29.6#
61	10.7	19.8	29.6#

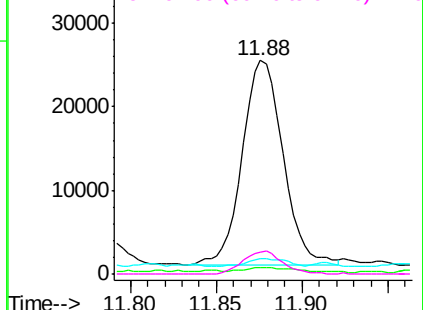
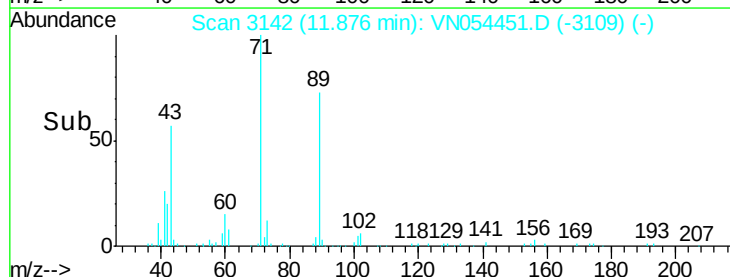


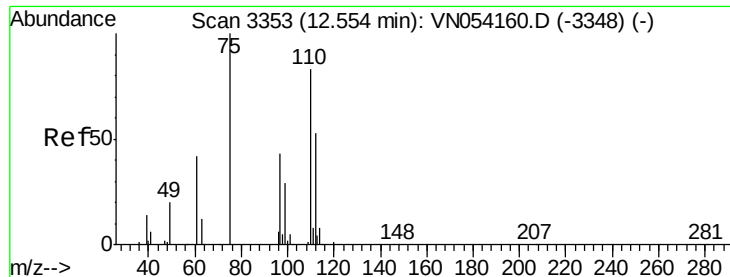
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.762 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

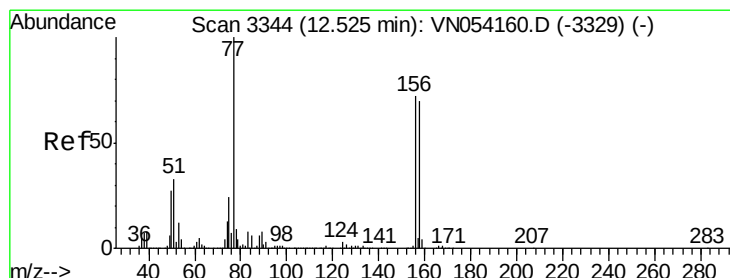
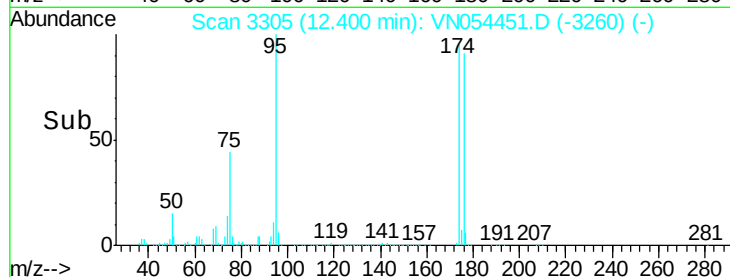
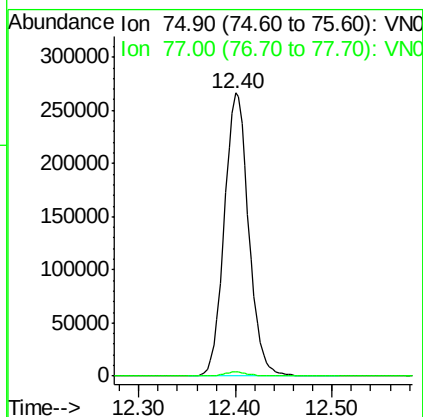
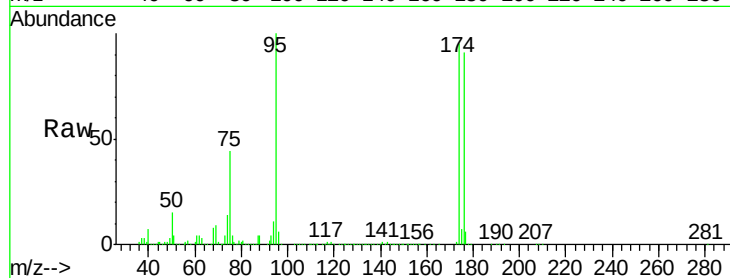
ClientSampleId :

Tot Ion: 75 Resp: 464913

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 0.229 ug/l

RT: 12.53 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

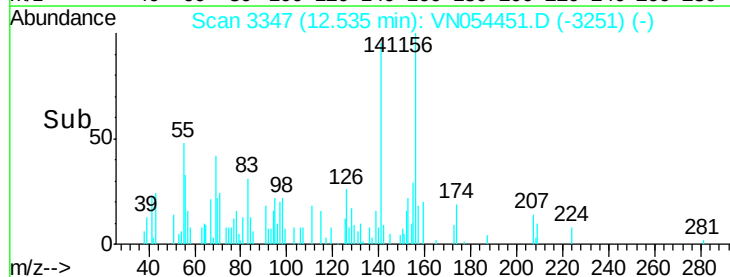
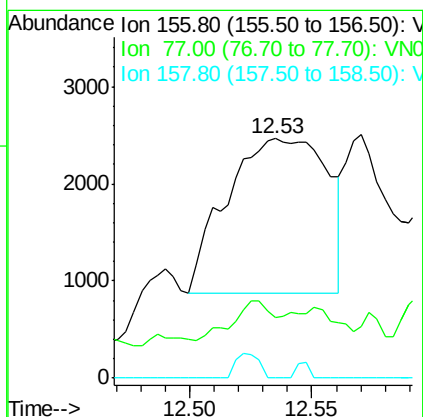
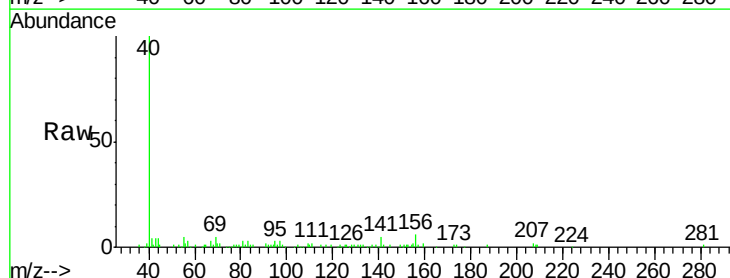
Tgt Ion: 156 Resp: 4536

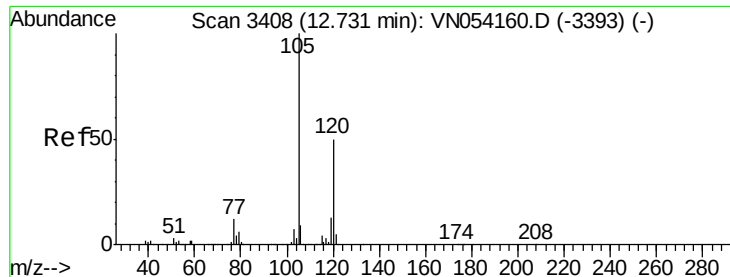
Ion Ratio Lower Upper

156 100

77 9.7 81.5 244.4#

158 3.7 49.0 147.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.412 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

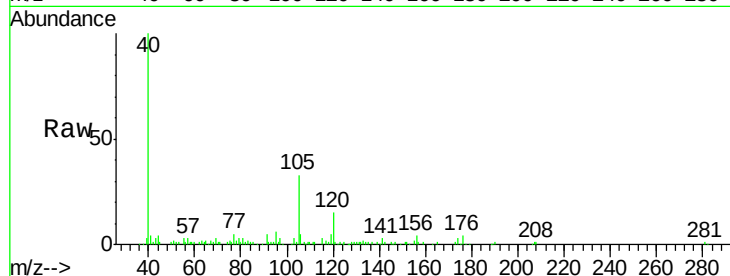
ClientSampleId :

Tot Ion:105 Resp: 25691

Ion Ratio Lower Upper

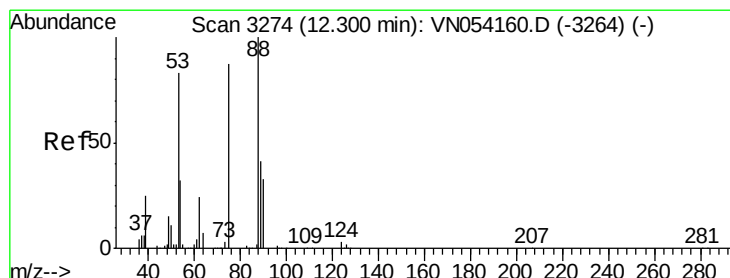
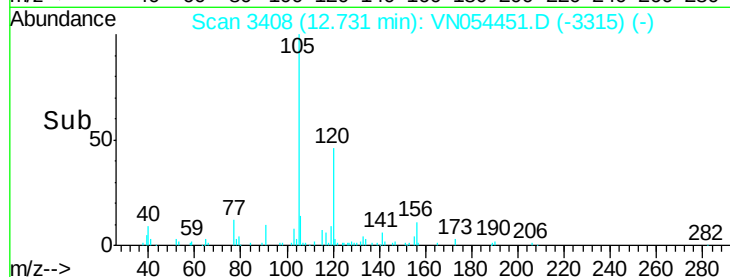
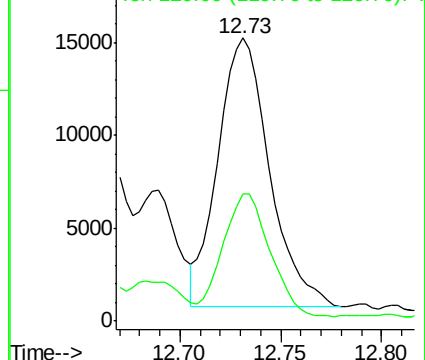
105 100

120 42.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 115.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

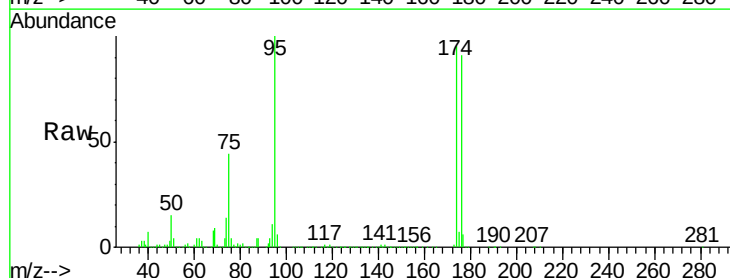
Tgt Ion: 75 Resp: 464913

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

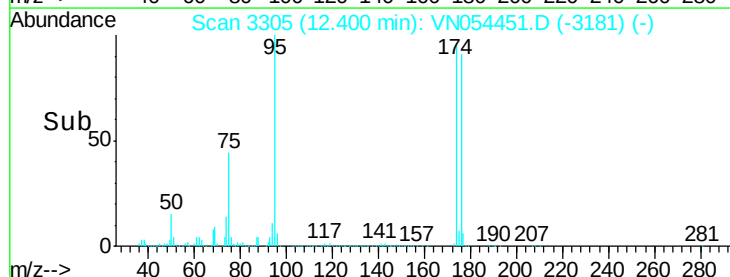
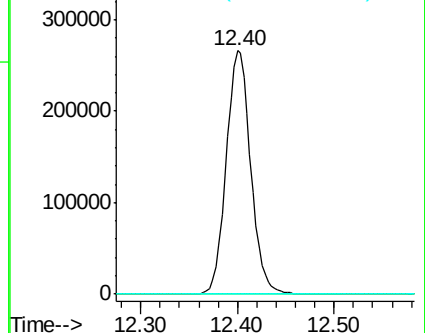
89 0.0 39.2 58.8#

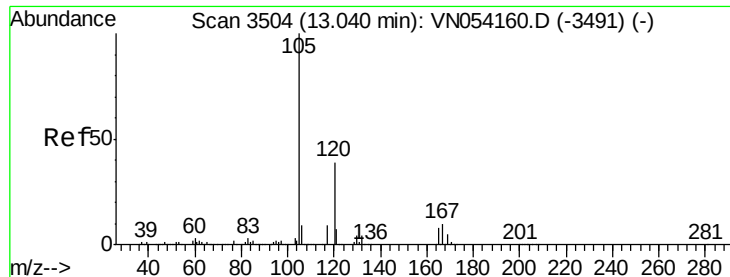


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.604 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054451.D

Acq: 19 Mar 2019 20:12

Instrument :

MSVOA_N

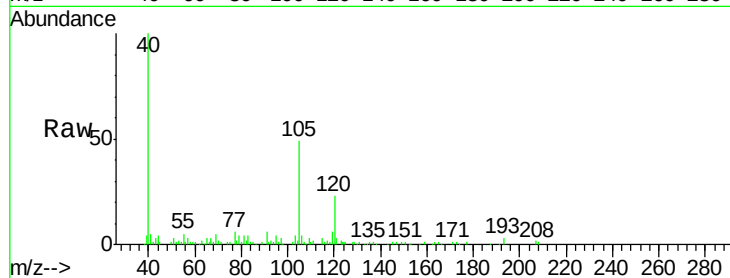
ClientSampled :

Tot Ion:105 Resp: 36950

Ion Ratio Lower Upper

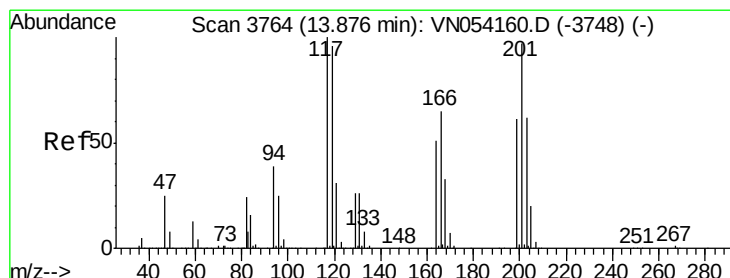
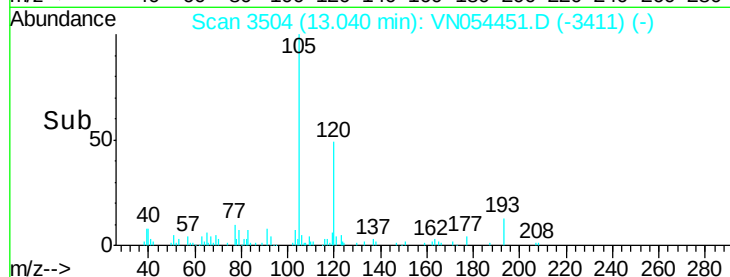
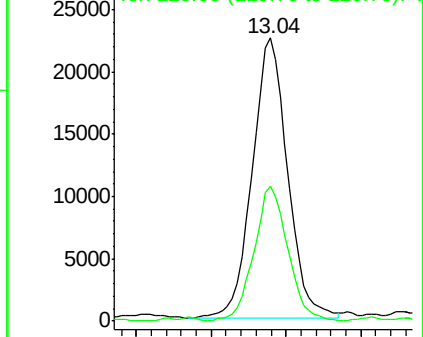
105 100

120 46.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.205 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054451.D

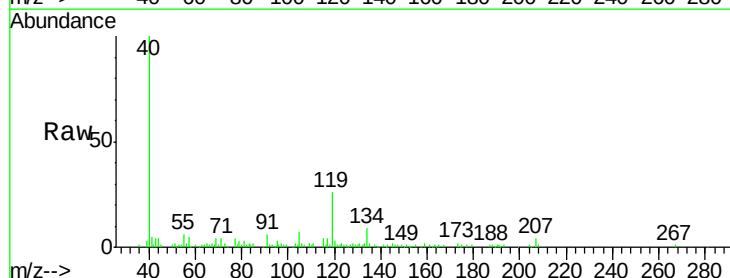
Acq: 19 Mar 2019 20:12

Tgt Ion:117 Resp: 2219

Ion Ratio Lower Upper

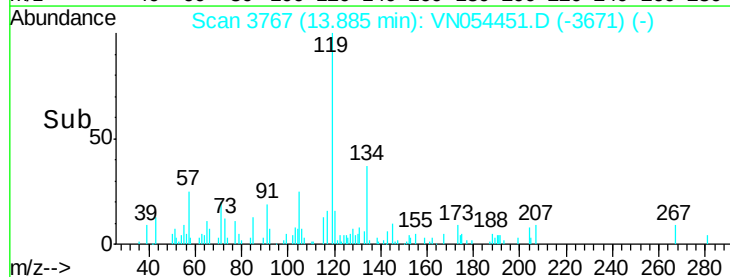
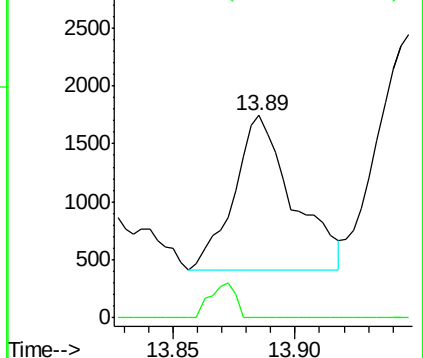
117 100

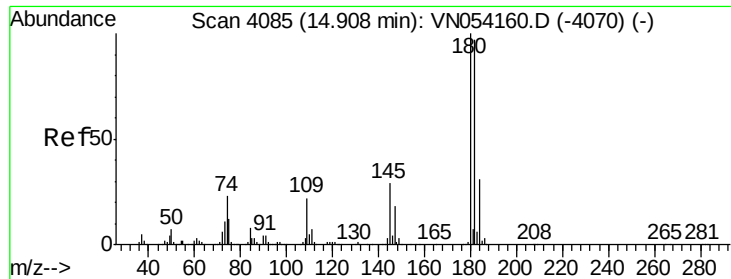
201 9.8 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

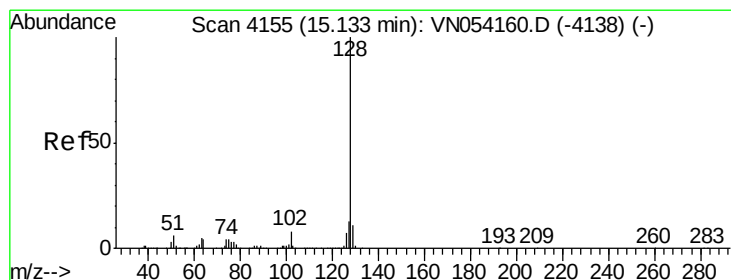
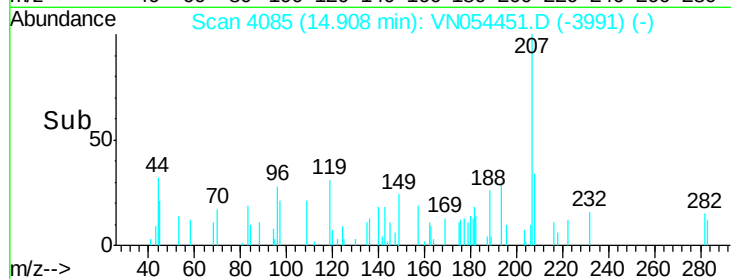
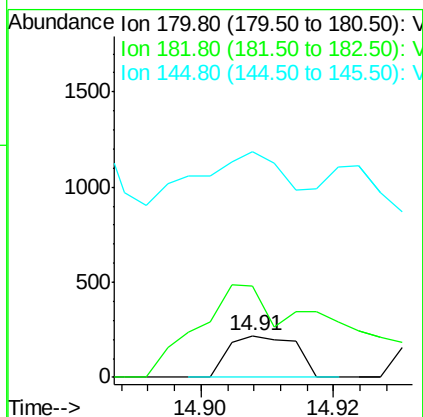
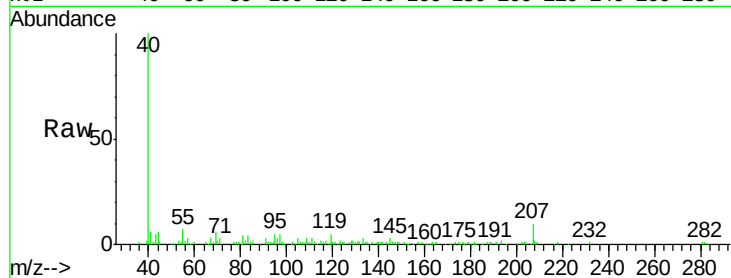




#93
 1,2,4-Trichlorobenzene
 Concen: 2.524 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 153
 Ion Ratio Lower Upper
 180 100
 182 447.1 48.0 144.2#
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 4.735 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054451.D
 Acq: 19 Mar 2019 20:12

Tgt Ion:128 Resp: 55845
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.1 15.1
 129 13.1 8.7 13.1

