

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059336.D
 Acq On : 21 Nov 2019 15:28
 Operator : JC/SP
 Sample : K5957-07
 Misc : 3.31g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	360873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	554057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	490059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	205657	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.57	113	162763	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.08	98	673358	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	395259	85.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.08%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.77	59	477	0.550	ug/l #	73
13) Acrolein	3.59	56	330	0.417	ug/l #	36
16) Acetone	3.82	43	1587	0.817	ug/l #	42
17) Carbon Disulfide	4.00	76	4029	0.469	ug/l #	94
30) Chloroform	7.35	83	2721	0.226	ug/l	99
31) Cyclohexane	7.64	56	7179	0.942	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	26934	4.709	ug/l #	49
38) Carbon Tetrachloride	7.64	117	32669	5.966	ug/l #	15
39) Methylcyclohexane	9.07	83	3685	0.534	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1660	0.302	ug/l #	67
55) 1,1,2-Trichloroethane	10.53	97	18964	4.832	ug/l #	21
56) Ethyl methacrylate	10.42	69	8773	3.458	ug/l #	1
59) 2-Hexanone	10.71	43	208996	51.904	ug/l #	28
67) Ethyl Benzene	11.51	91	34720	1.845	ug/l	99
68) m/p-Xylenes	11.62	106	2482	0.355	ug/l #	1
69) o-Xylene	11.95	106	2797	0.418	ug/l #	1
71) Bromoform	12.41	173	1150	0.397	ug/l #	1
73) Isopropylbenzene	12.25	105	121762	4.692	ug/l	99
74) N-amyl acetate	12.05	43	2201943	211.138	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.48	83	218767	25.485	ug/l #	70
76) 1,2,3-Trichloropropane	12.40	75	112434	15.363	ug/l #	100
77) Bromobenzene	12.50	156	3389	0.538	ug/l #	1
78) n-propylbenzene	12.59	91	306250	10.419	ug/l	95
79) 2-Chlorotoluene	12.66	91	33568	1.861	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	11275	0.517	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.40	75	112434	38.426	ug/l #	47
82) 4-Chlorotoluene	12.78	91	23665	1.267	ug/l #	1
83) tert-Butylbenzene	13.00	119	191792	10.410	ug/l	89
84) 1,2,4-Trimethylbenzene	13.04	105	377042	17.645	ug/l	99
85) sec-Butylbenzene	13.17	105	683480	27.602	ug/l #	72
86) p-Isopropyltoluene	13.45	119	461526	20.945	ug/l	90
88) 1,4-Dichlorobenzene	13.37	146	2613	0.236	ug/l #	1
89) n-Butylbenzene	13.62	91	389582	20.154	ug/l #	70
90) Hexachloroethane	13.89	117	217383	52.092	ug/l #	9

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Instrument :
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ClientSampleId :

Quant Time: Nov 22 06:02:08 2019
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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

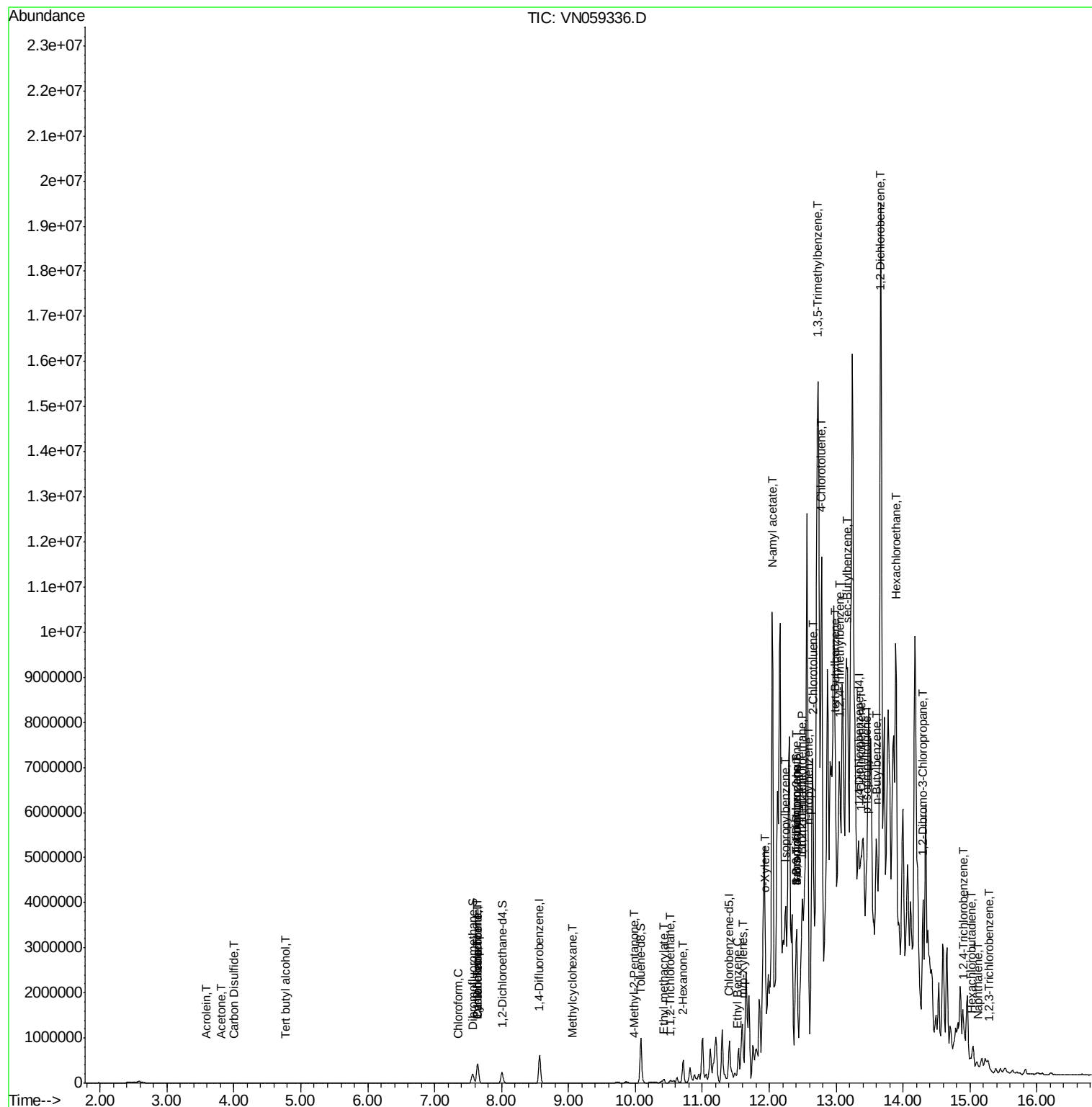
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	2196	0.202	ug/l #	66
92) 1,2-Dibromo-3-Chloropropan	14.29	75	7915	4.337	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	6588	3.858	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1529	0.391	ug/l	91
95) Naphthalene	15.13	128	30745	4.710	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.30	180	8126	3.082	ug/l #	79

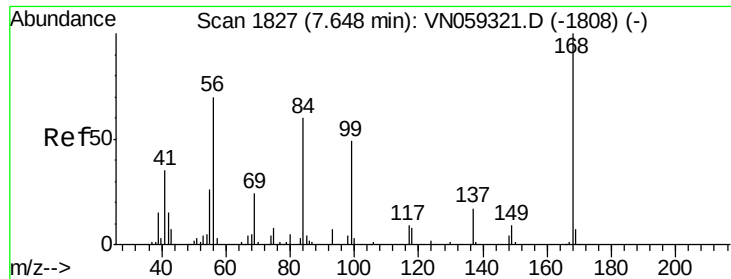
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

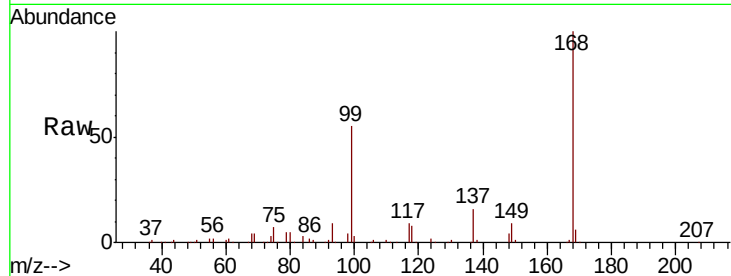
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 360873

Ion Ratio Lower Upper

168 100

99 54.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

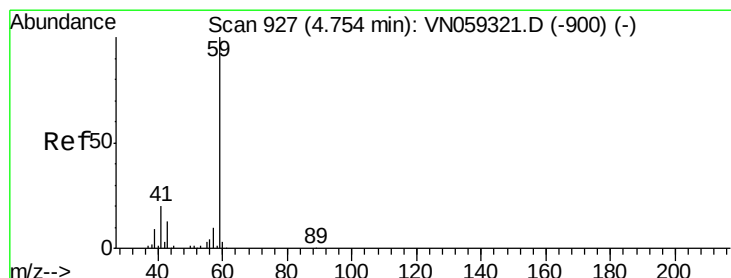
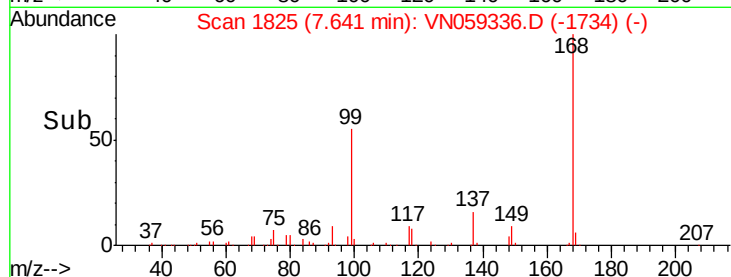
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.550 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.02 min

Lab File: VN059336.D

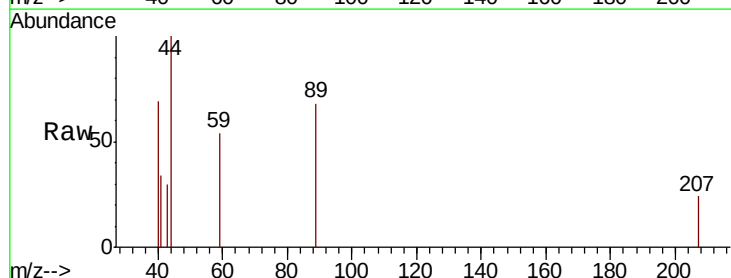
Acq: 21 Nov 2019 15:28

Tgt Ion: 59 Resp: 477

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059321.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN059321.D (-900) (-)

4.77

600

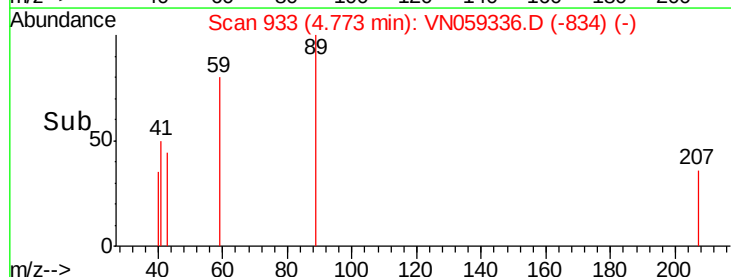
400

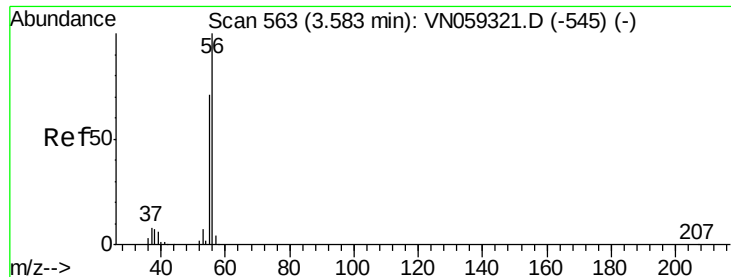
200

0

4.76 4.78 4.80

Time-->





#13

Acrolein

Concen: 0.417 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

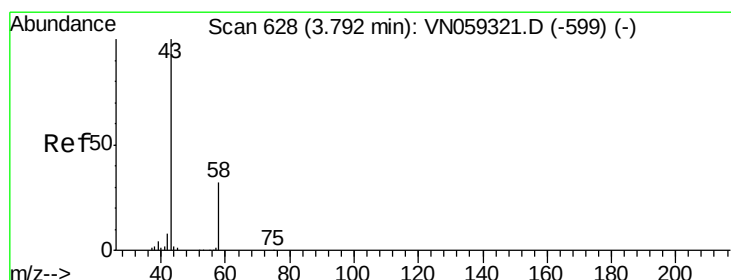
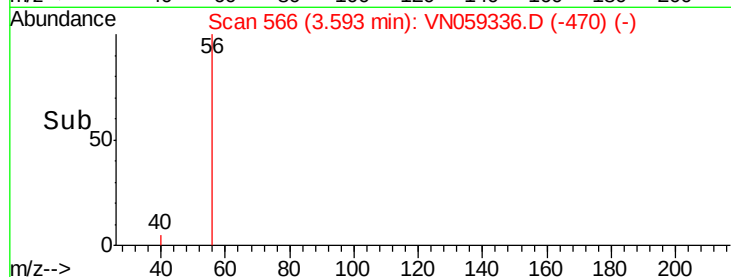
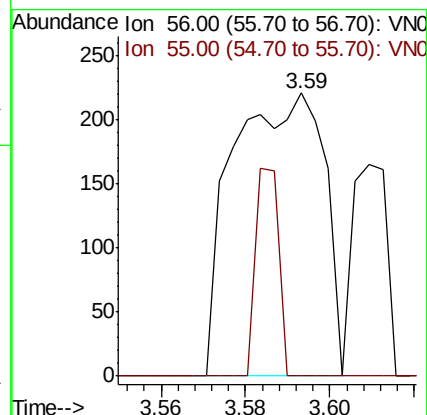
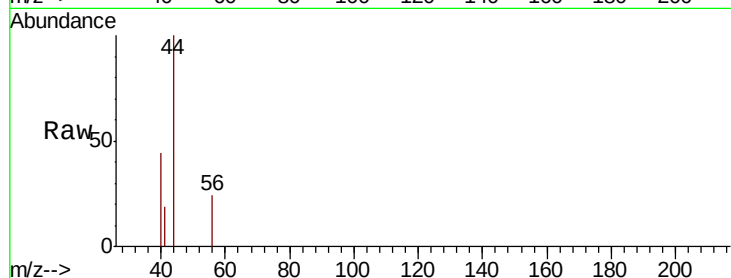
ClientSampleId :

Tot Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 18.8 57.4 86.0#



#16

Acetone

Concen: 0.817 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN059336.D

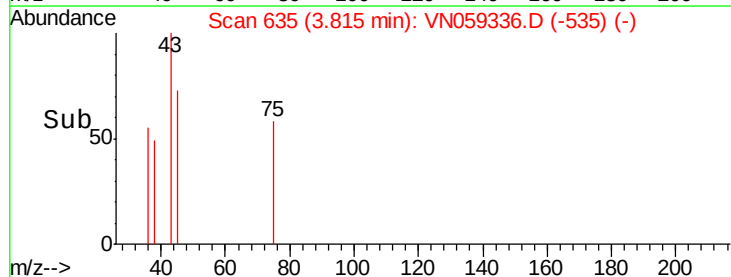
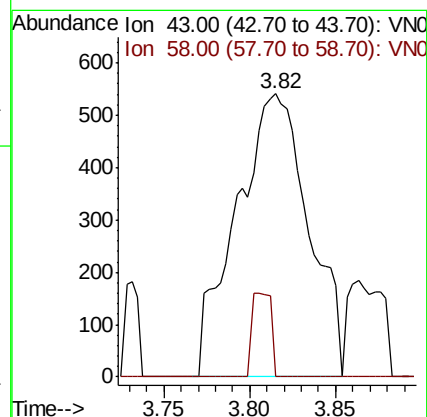
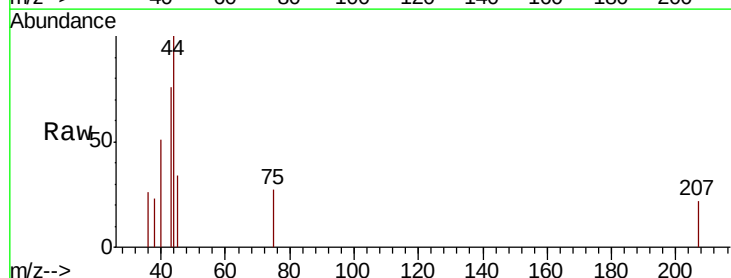
Acq: 21 Nov 2019 15:28

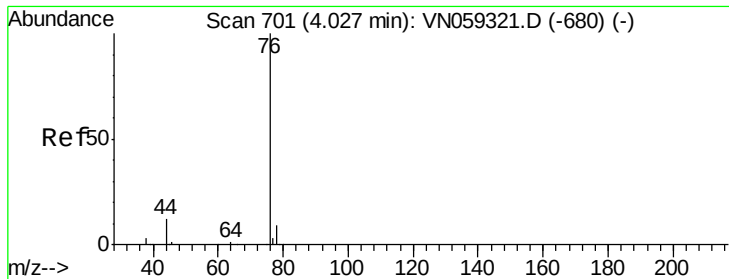
Tgt Ion: 43 Resp: 1587

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#





#17

Carbon Disulfide

Concen: 0.469 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.02 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

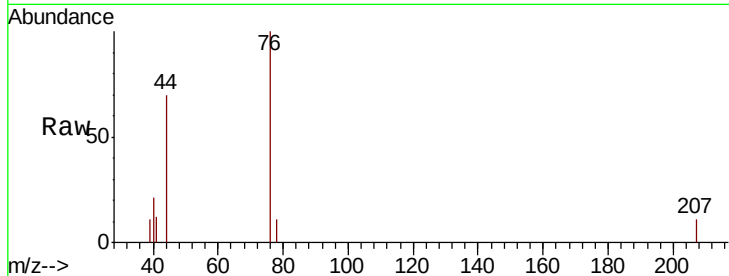
ClientSampleId :

Tot Ion: 76 Resp: 4029

Ion Ratio Lower Upper

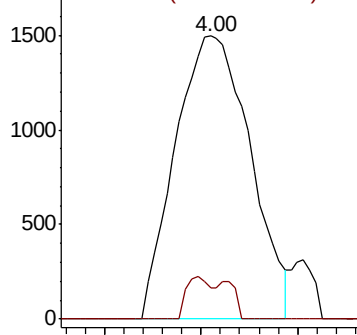
76 100

78 11.2 7.2 10.8#

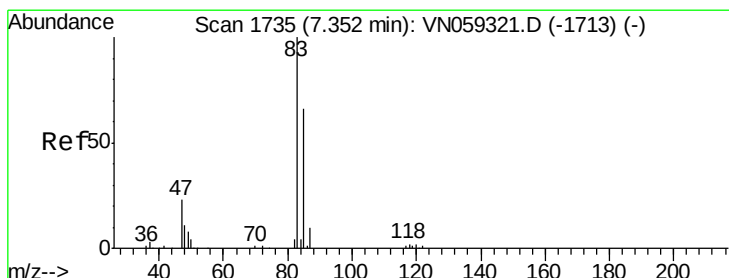
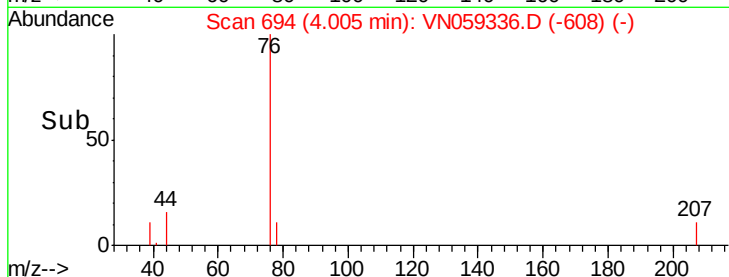


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#30

Chloroform

Concen: 0.226 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059336.D

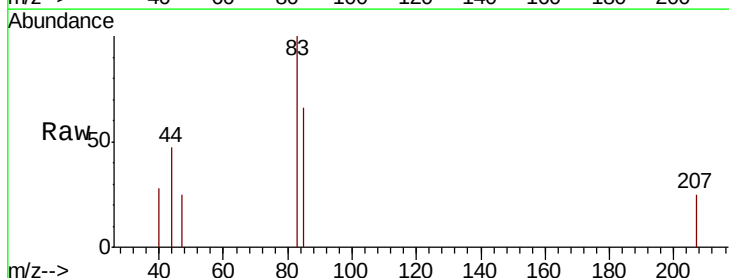
Acq: 21 Nov 2019 15:28

Tgt Ion: 83 Resp: 2721

Ion Ratio Lower Upper

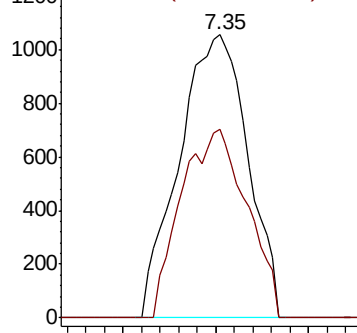
83 100

85 66.4 52.7 79.1

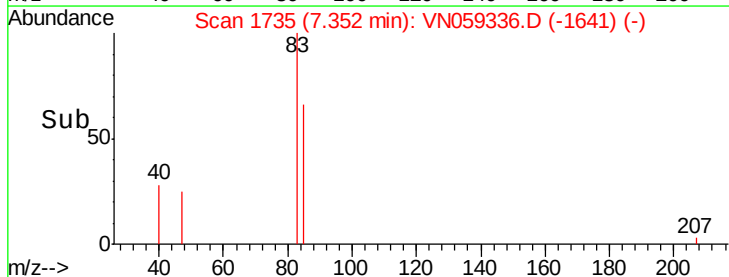


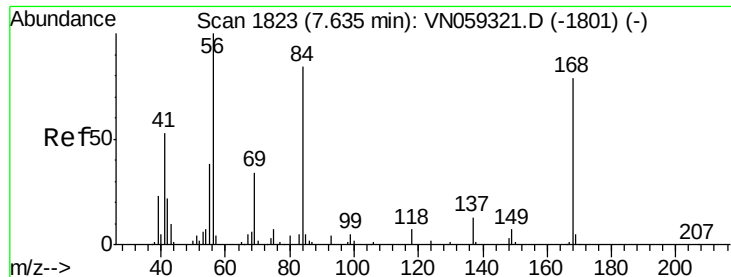
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->

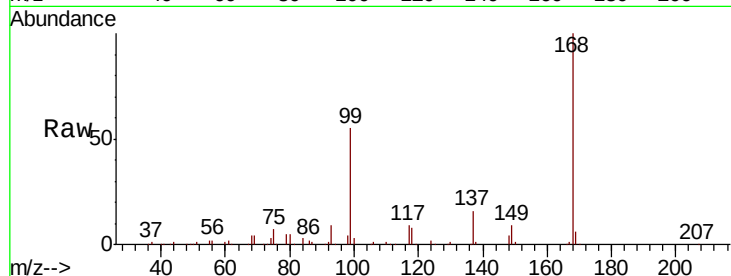




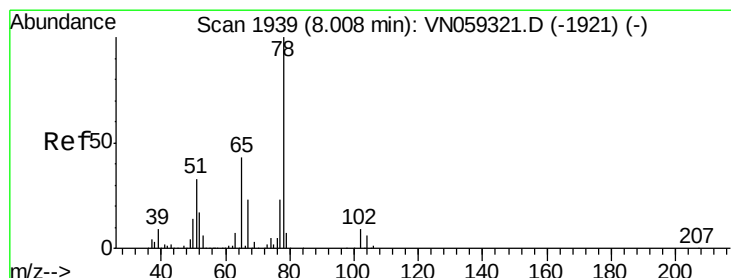
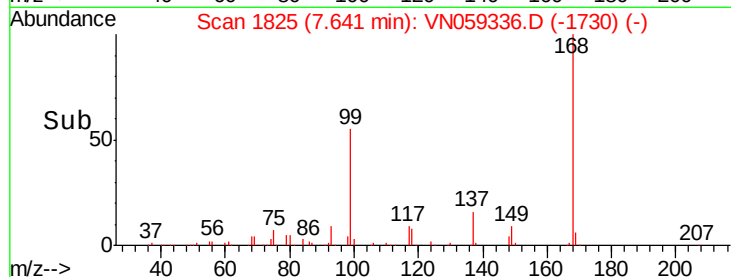
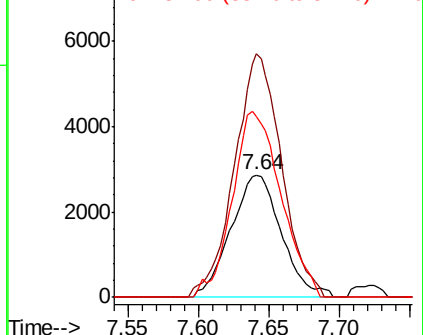
#31
Cyclohexane
Concen: 0.942 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7179
Ion Ratio Lower Upper
56 100
69 198.7 26.6 40.0#
84 147.3 67.0 100.4#

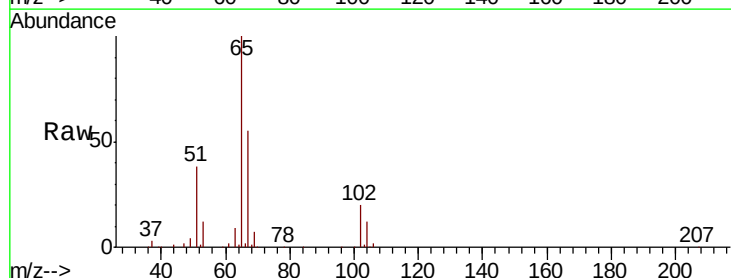


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

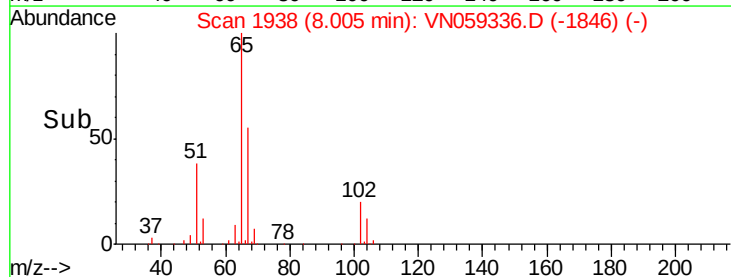
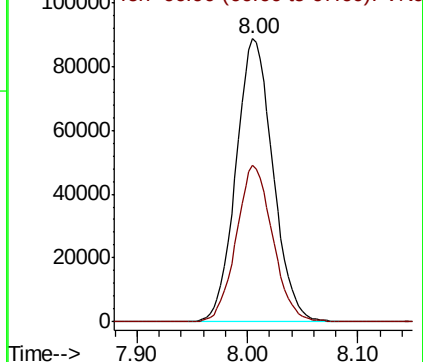


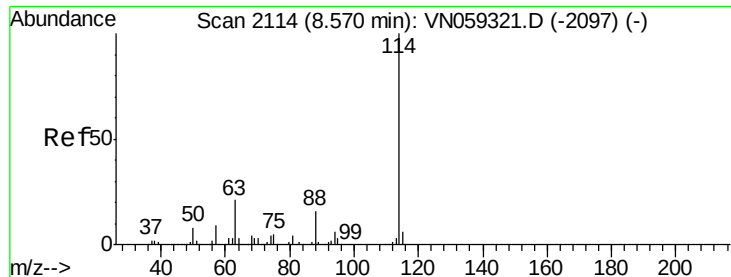
#33
1,2-Dichloroethane-d4
Concen: 47.497 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion: 65 Resp: 205657
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.4



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: 8.57 min Scan# 2113

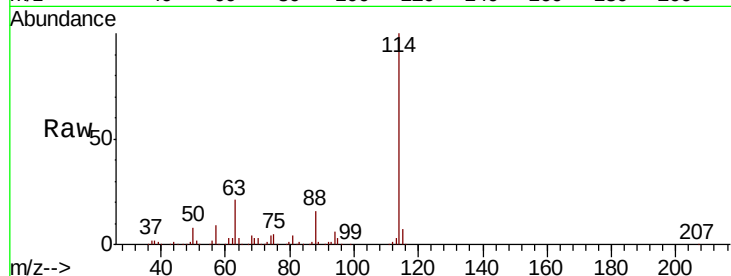
Delta R.T. -0.00 min

Lab File: VN059336.D

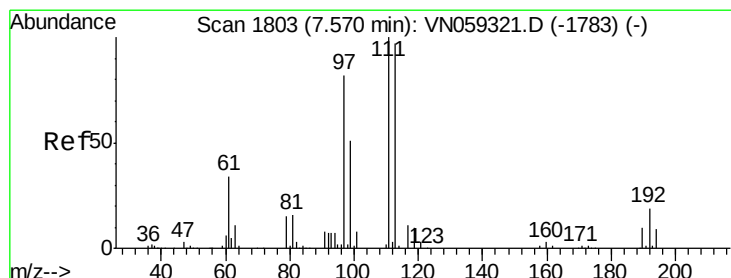
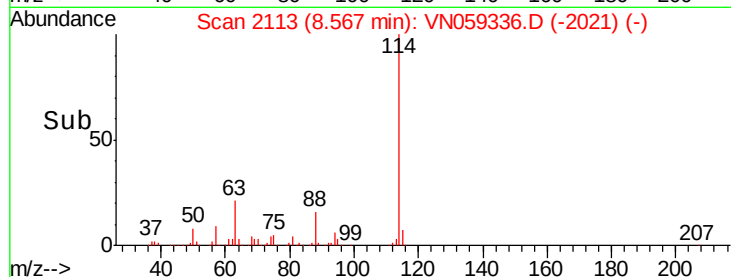
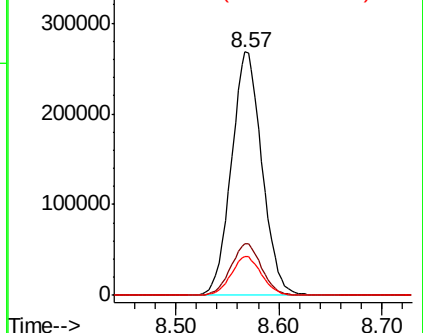
Acq: 21 Nov 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114	Resp:	554057
Ion	Ratio	Lower Upper
114	100	
63	21.2	0.0 42.2
88	16.0	0.0 32.2



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: 48.966 ug/l

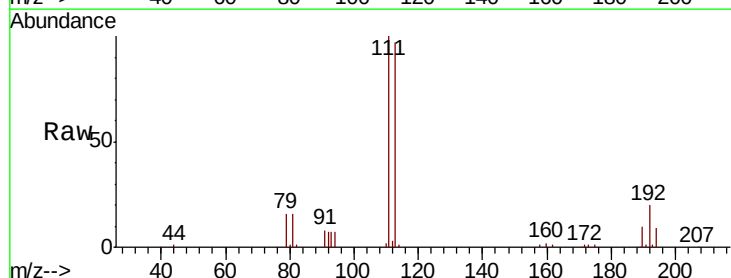
RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

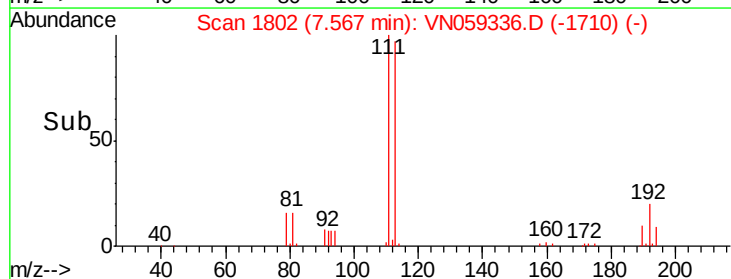
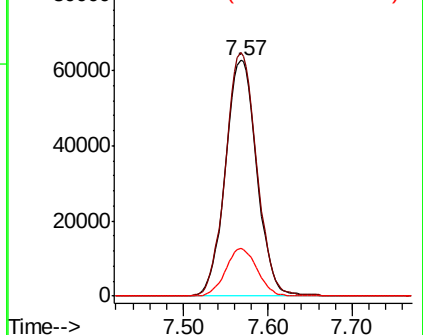
Lab File: VN059336.D

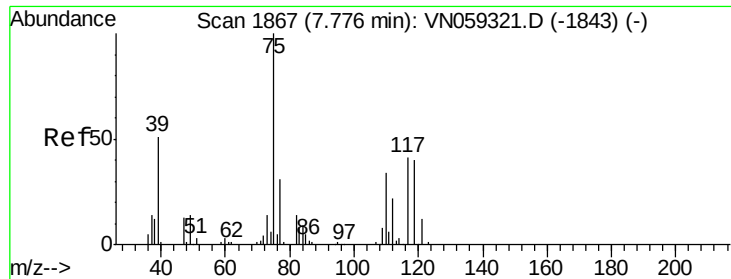
Acq: 21 Nov 2019 15:28

Tgt Ion:113	Resp:	162763
Ion	Ratio	Lower Upper
113	100	
111	101.8	82.7 124.1
192	20.2	16.3 24.5



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

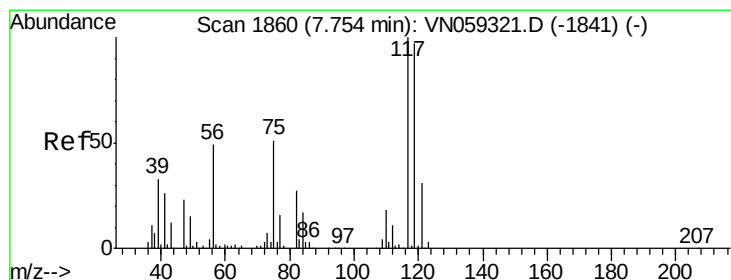
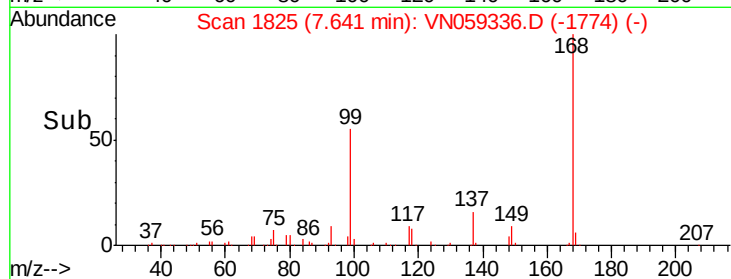
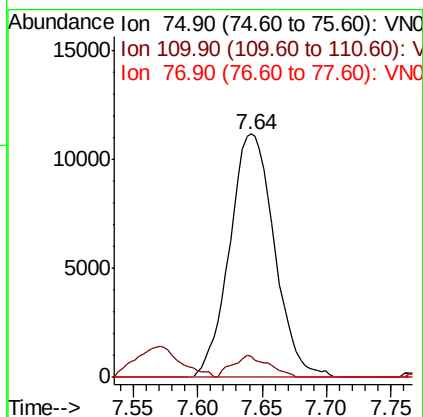
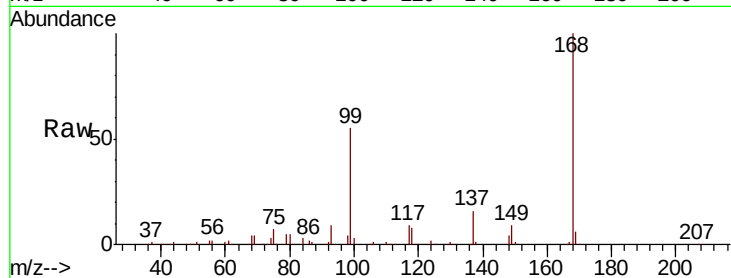




#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

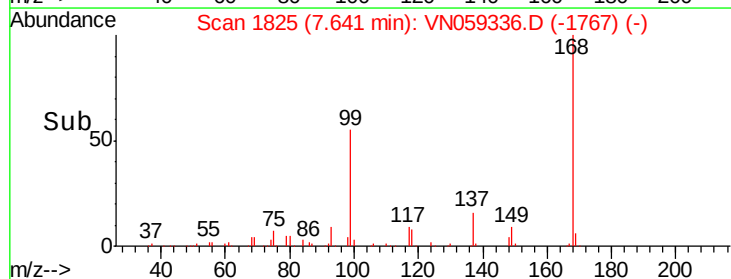
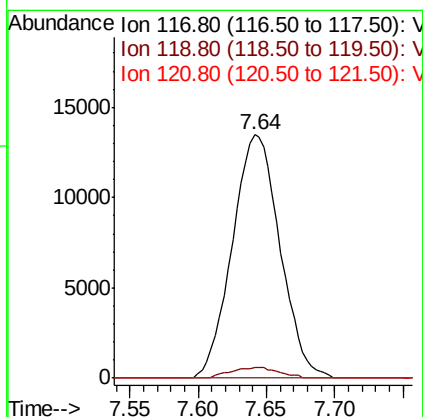
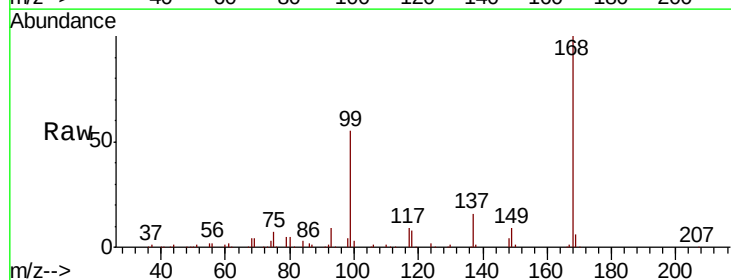
Instrument :
 MSVOA_N
 ClientSampled :

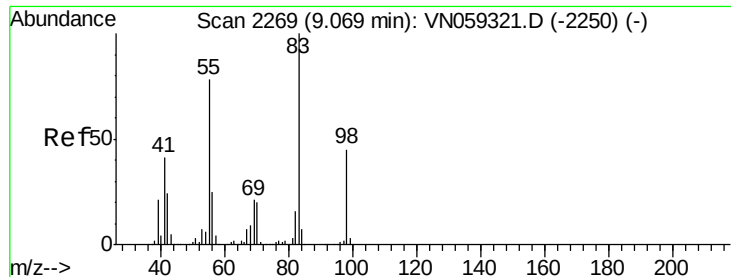
Tot Ion	75	Resp	26934
Ion Ratio	Lower	Upper	
75	100		
110	7.3	17.0	51.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.966 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

Tgt Ion	117	Resp	32669
Ion Ratio	Lower	Upper	
117	100		
119	4.3	77.0	115.4#
121	0.0	24.4	36.6#

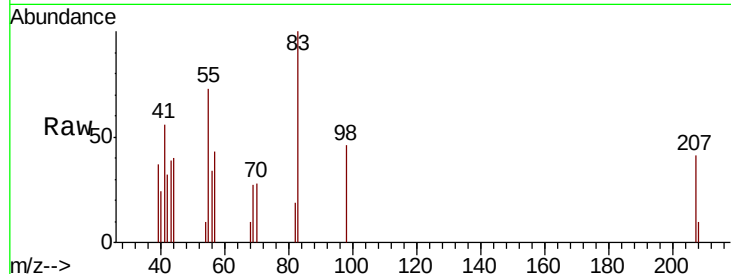




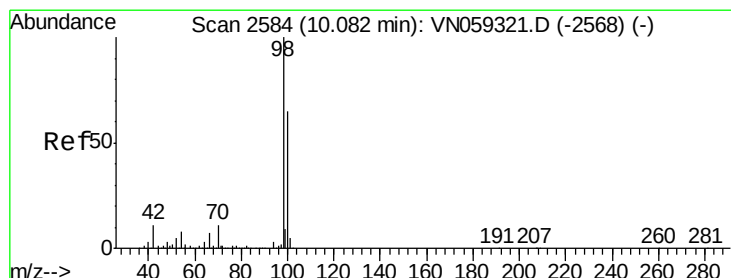
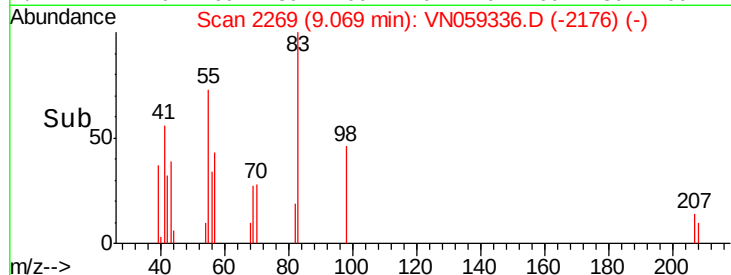
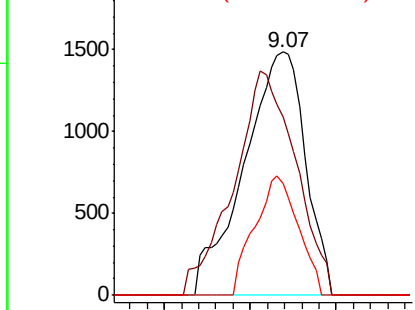
#39
Methylvlcyclohexane
Concen: 0.534 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 3685
Ion Ratio Lower Upper
83 100
55 73.2 62.3 93.5
98 45.7 36.0 54.0

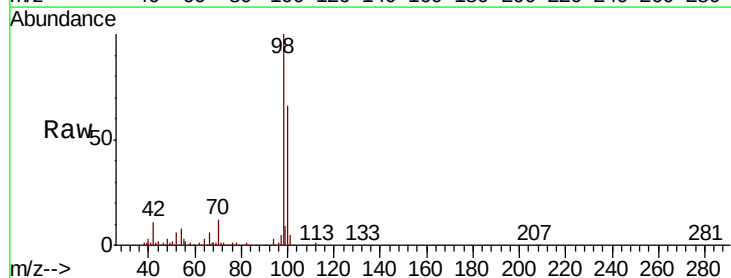


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

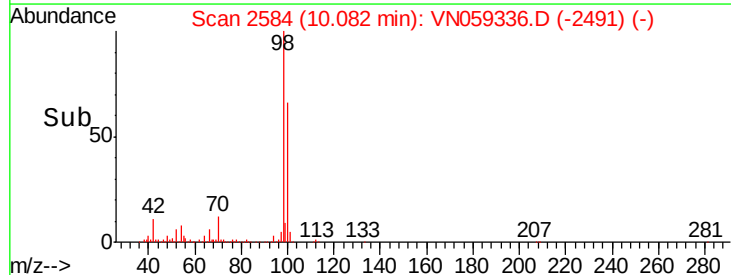
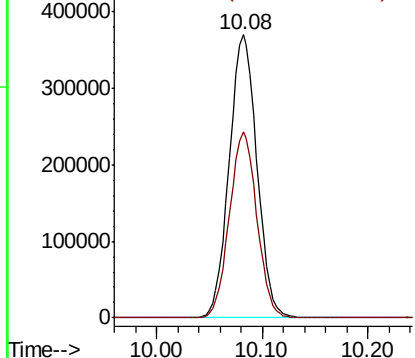


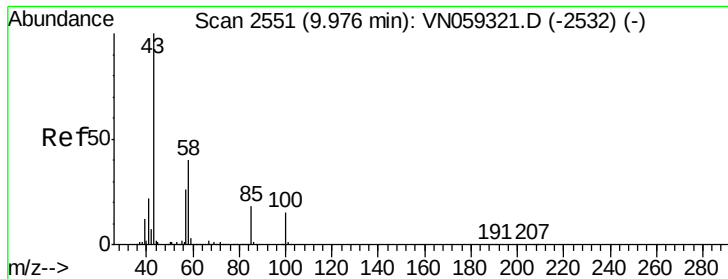
#50
Toluene-d8
Concen: 50.956 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion: 98 Resp: 673358
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.302 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

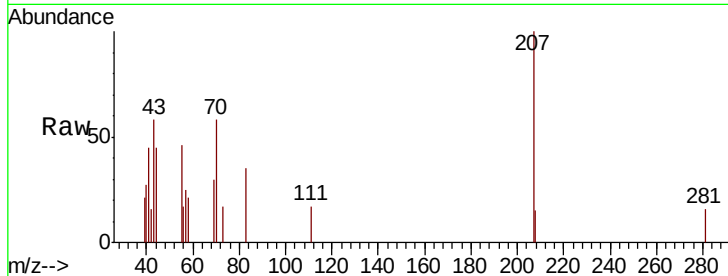
ClientSampleId :

Tot Ion: 43 Resp: 1660

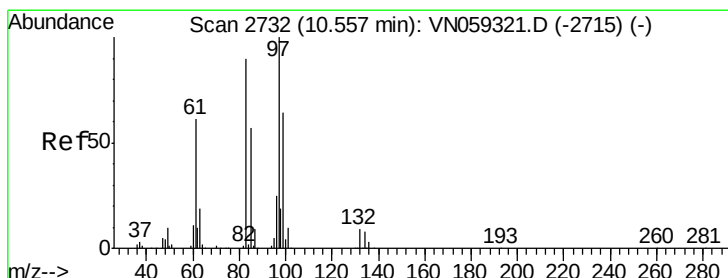
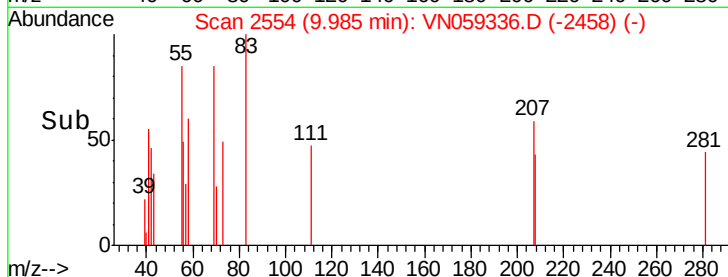
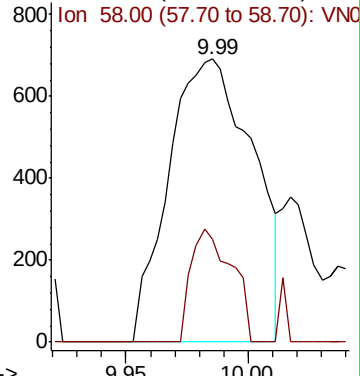
Ion Ratio Lower Upper

43 100

58 19.3 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)



#55

1,1,2-Trichloroethane

Concen: 4.832 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Tgt Ion: 97 Resp: 18964

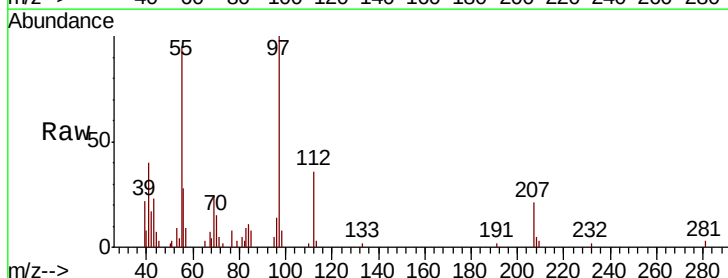
Ion Ratio Lower Upper

97 100

83 9.0 72.0 108.0#

85 8.3 45.8 68.6#

99 0.0 51.0 76.4#

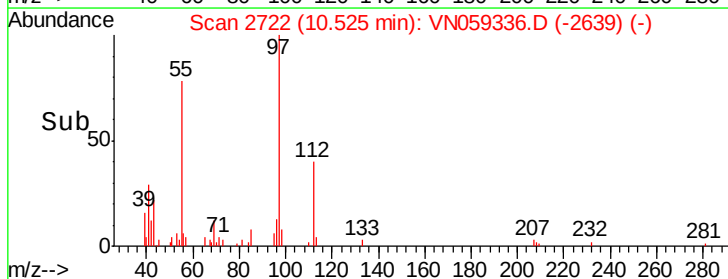
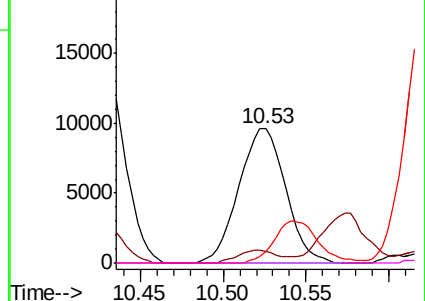


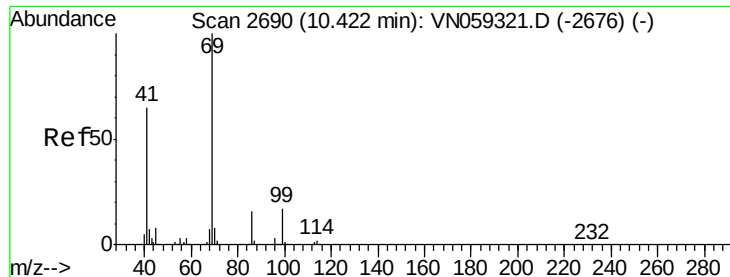
Abundance Ion 96.90 (96.60 to 97.60): VN059321.D (-2715) (-)

Ion 82.90 (82.60 to 83.60): VN059321.D (-2715) (-)

Ion 84.90 (84.60 to 85.60): VN059321.D (-2715) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-2715) (-)





#56

Ethyl methacrylate

Concen: 3.458 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

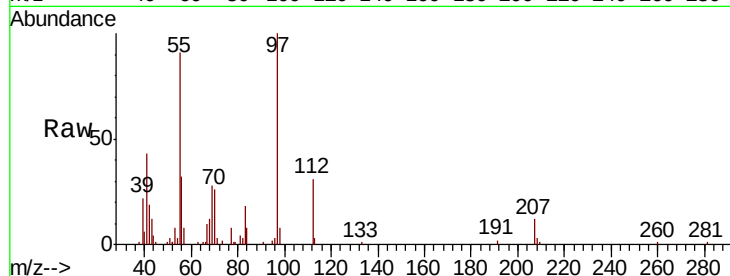
Tot Ion: 69 Resp: 8773

Ion Ratio Lower Upper

69 100

41 150.0 51.7 77.5#

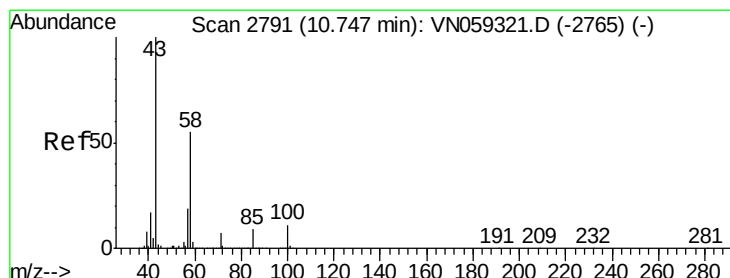
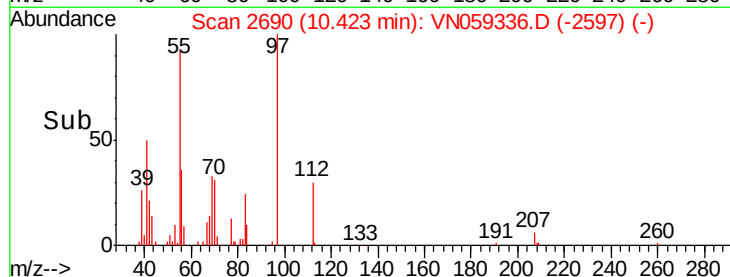
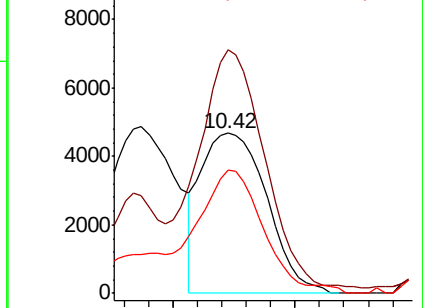
39 105.5 25.2 37.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 51.904 ug/l

RT: 10.71 min Scan# 2780

Delta R.T. -0.04 min

Lab File: VN059336.D

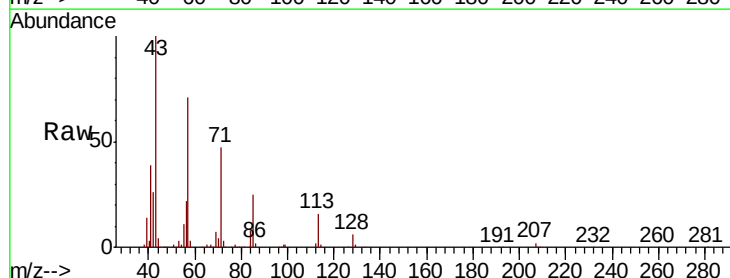
Acq: 21 Nov 2019 15:28

Tgt Ion: 43 Resp: 208996

Ion Ratio Lower Upper

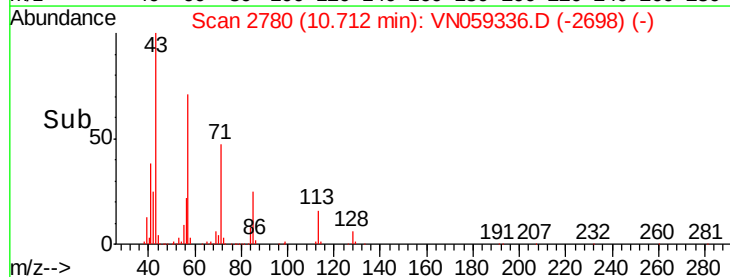
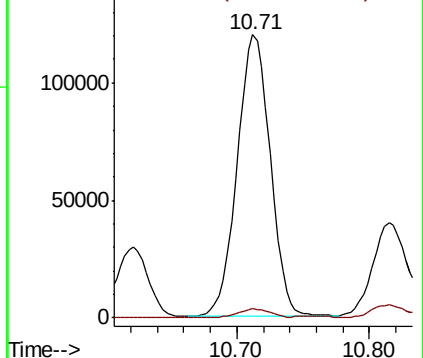
43 100

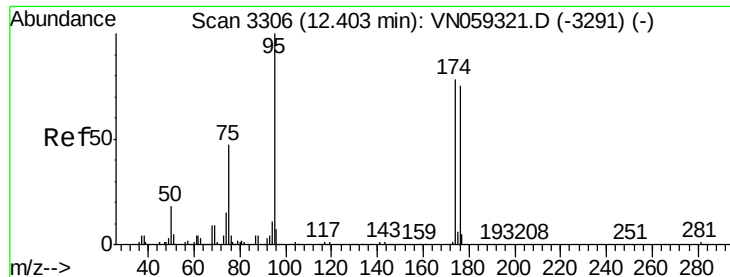
58 3.2 27.7 83.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

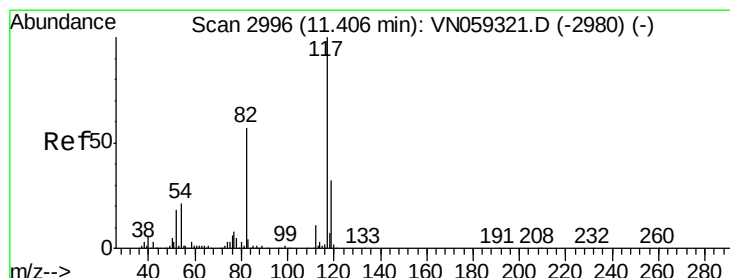
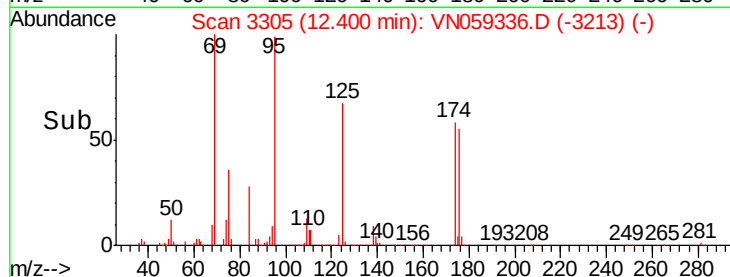
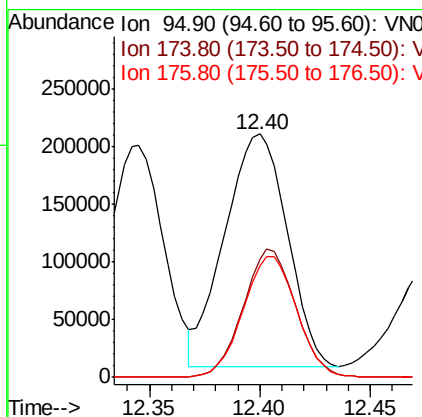
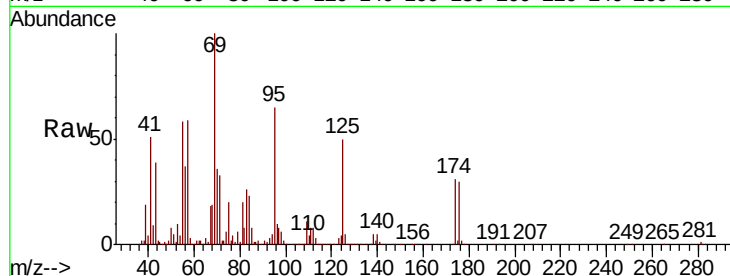




#62
4-Bromofluorobenzene
Concen: 85.544 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

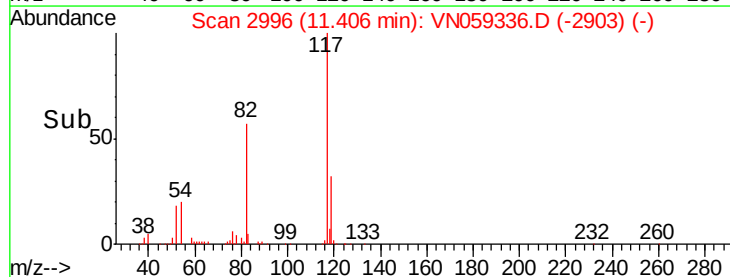
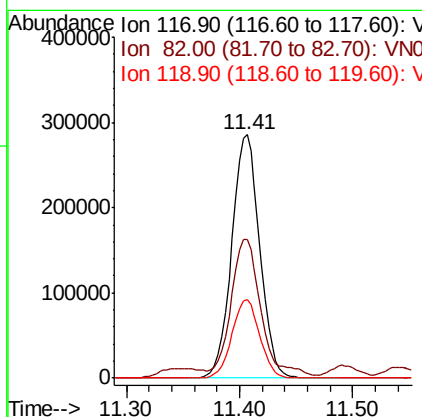
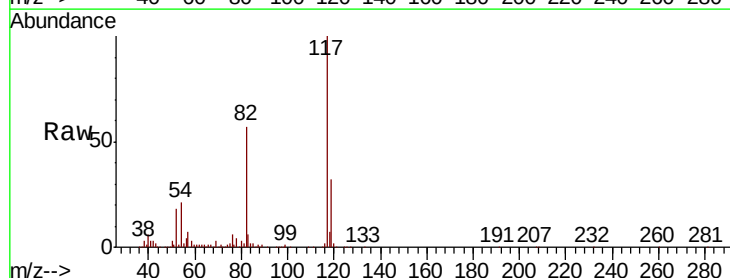
Instrument :
MSVOA_N
ClientSampled :

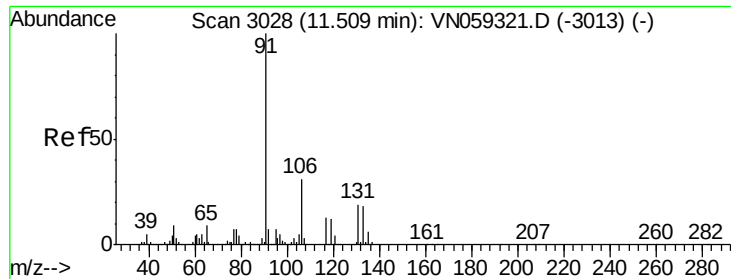
Tot Ion: 95 Resp: 395259
Ion Ratio Lower Upper
95 100
174 46.5 0.0 157.4
176 45.0 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion: 117 Resp: 490059
Ion Ratio Lower Upper
117 100
82 53.3 45.7 68.5
119 32.3 25.8 38.6

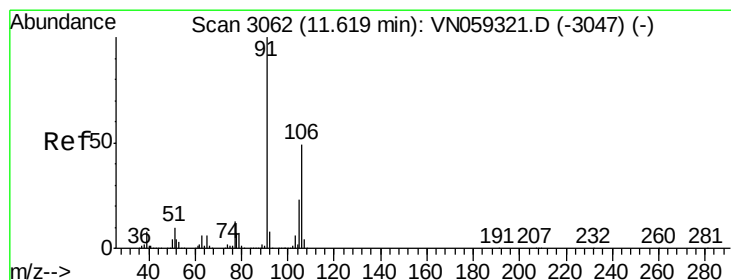
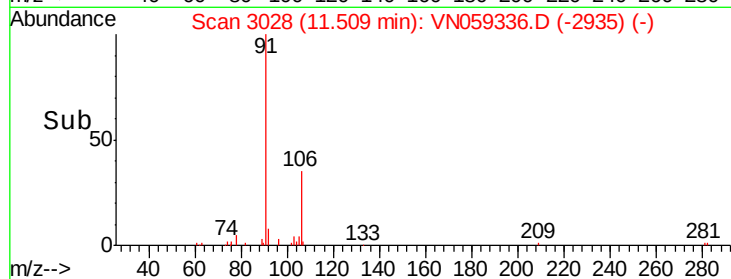
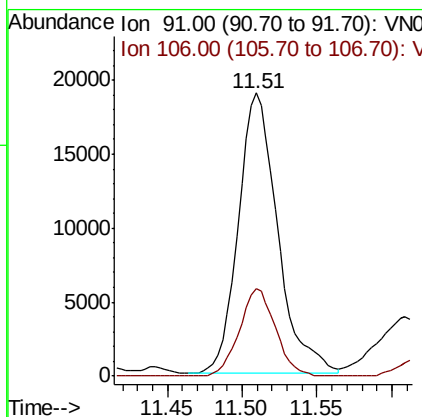
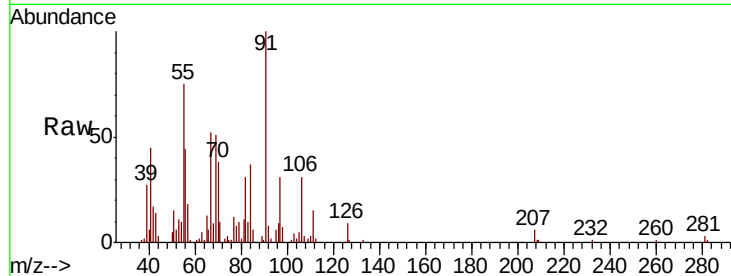




#67
Ethyl Benzene
Concen: 1.845 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

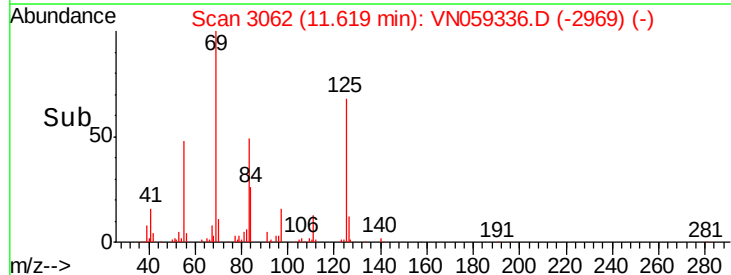
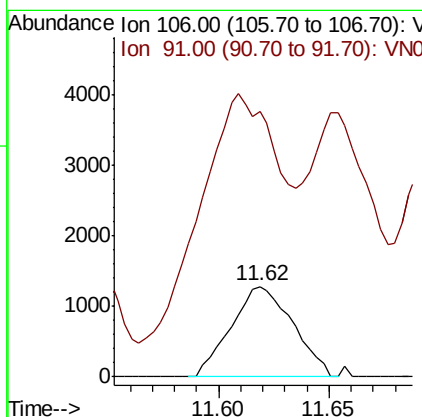
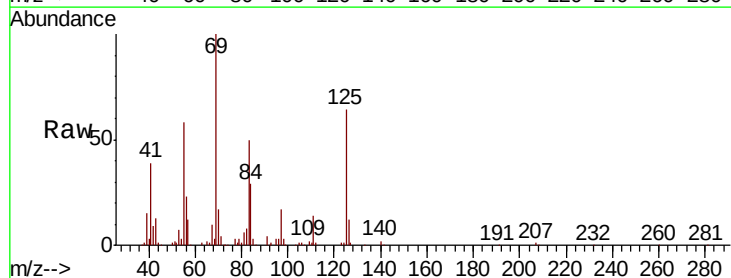
Instrument :
MSVOA_N
ClientSampled :

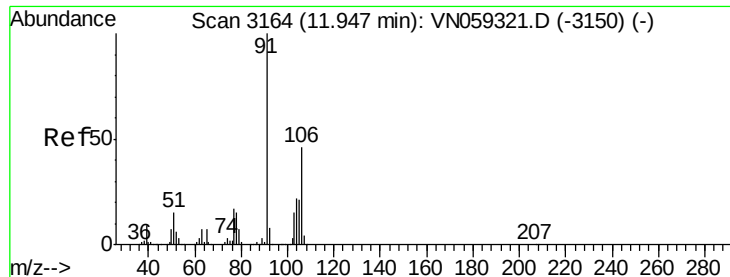
Tot Ion: 91 Resp: 34720
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 0.355 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion: 106 Resp: 2482
Ion Ratio Lower Upper
106 100
91 383.2 163.2 244.8#

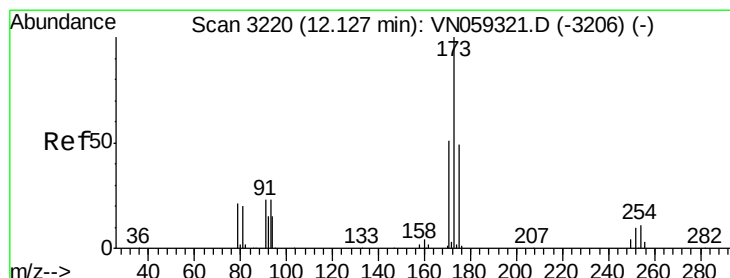
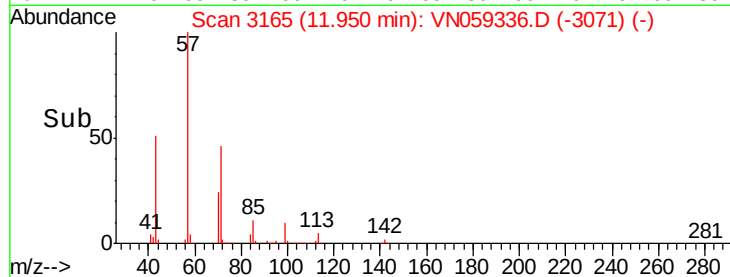
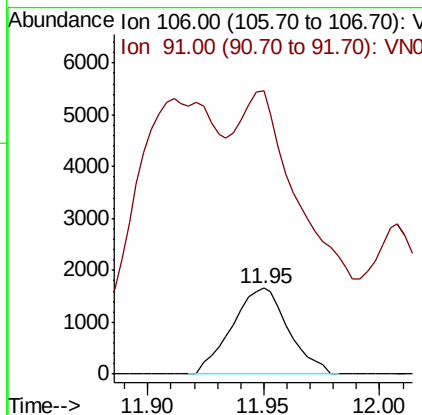
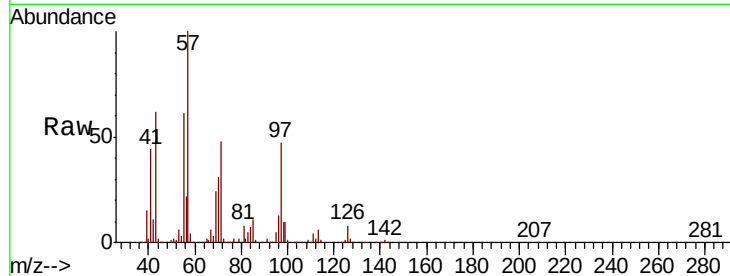




#69
o-Xylene
Concen: 0.418 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

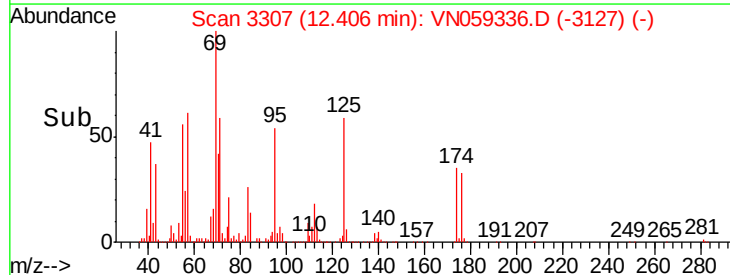
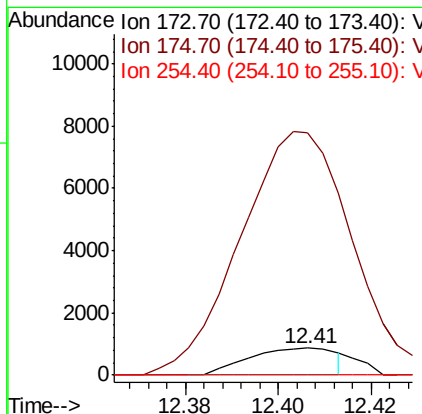
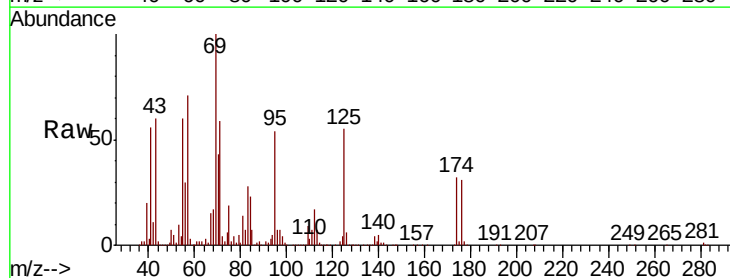
Instrument :
MSVOA_N
ClientSampled :

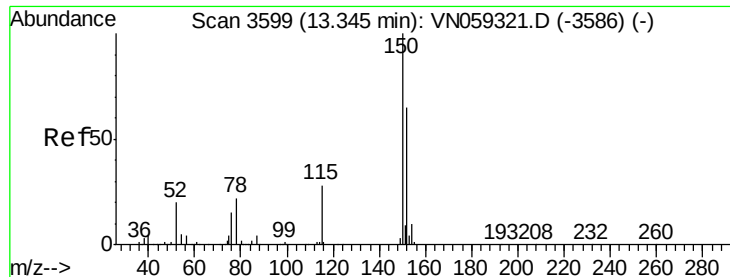
Tot Ion:106 Resp: 2797
Ion Ratio Lower Upper
106 100
91 0.0 109.3 327.9#



#71
Bromoform
Concen: 0.397 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion:173 Resp: 1150
Ion Ratio Lower Upper
173 100
175 954.7 24.6 73.6#
254 0.0 0.1 0.1#



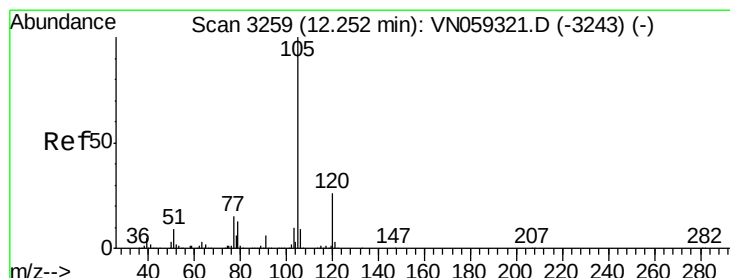
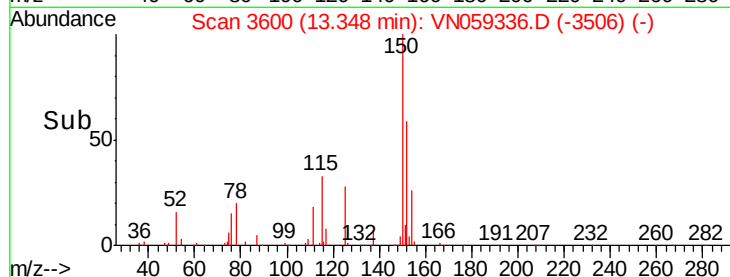
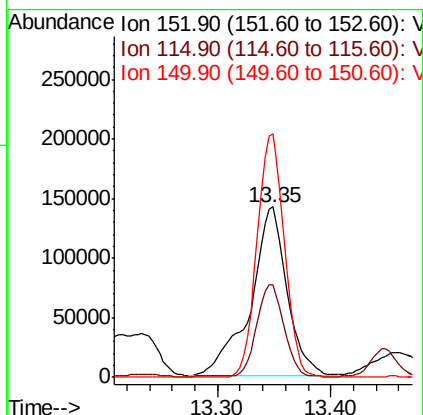
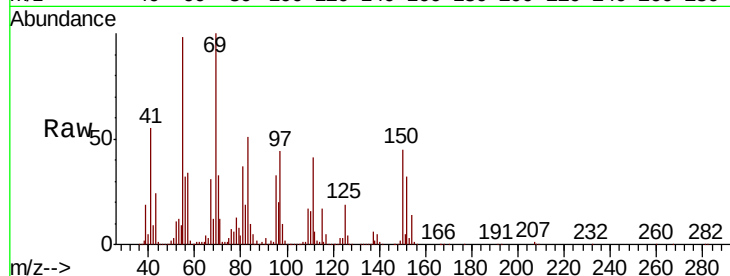


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :

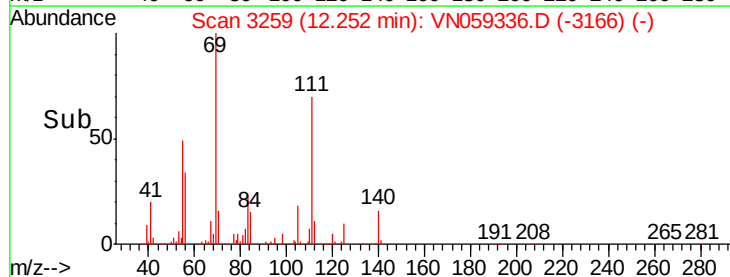
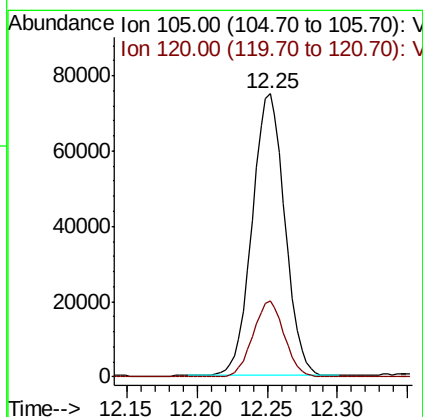
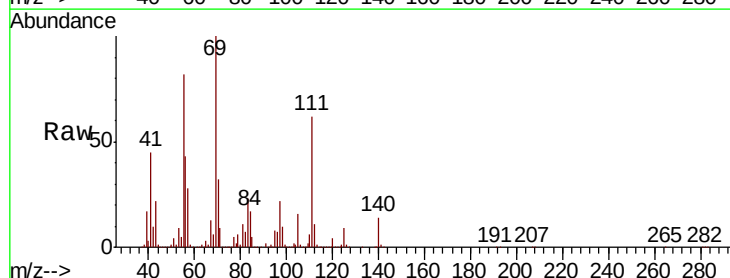
Tot Ion	Ratio	Lower	Upper
152	100		
115	40.5	29.3	88.0
150	108.1	0.0	346.0

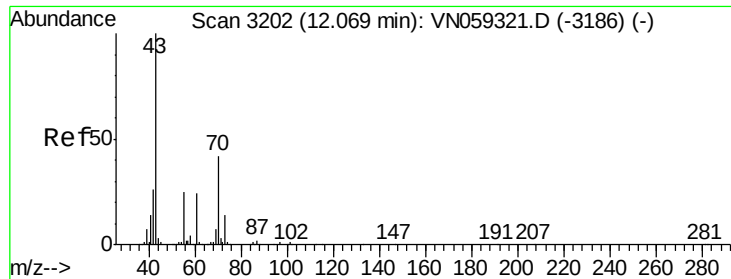


#73

Isopropylbenzene
Concen: 4.692 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059336.D
Acq: 21 Nov 2019 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.3





#74

N-amyl acetate

Concen: 211.138 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

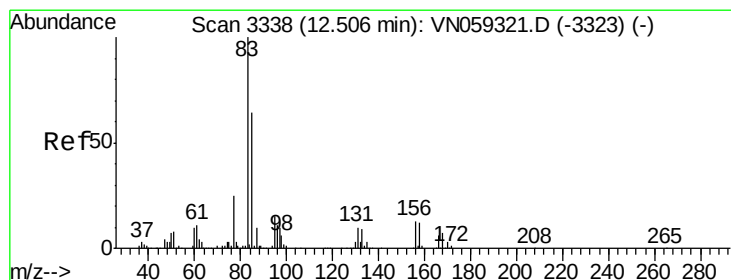
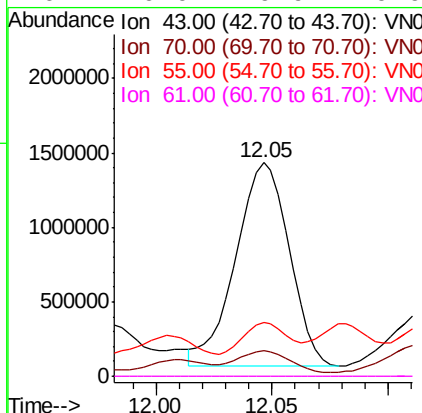
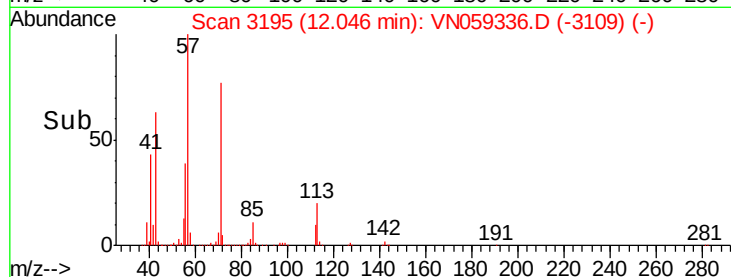
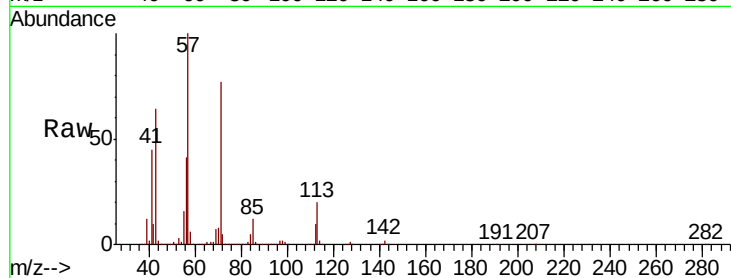
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2201943

Ion	Ratio	Lower	Upper
43	100		
70	9.9	33.8	50.6#
55	20.8	20.3	30.5
61	0.0	19.9	29.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 25.485 ug/l

RT: 12.48 min Scan# 3330

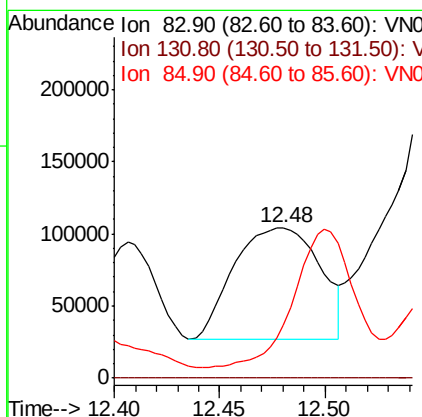
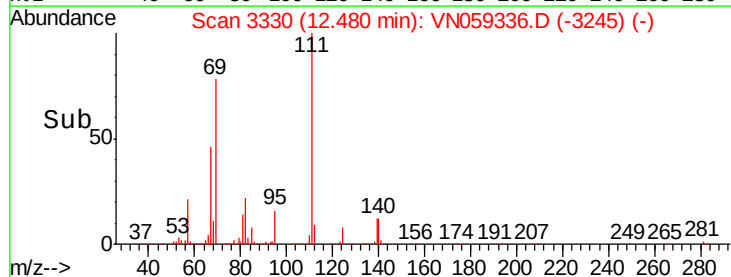
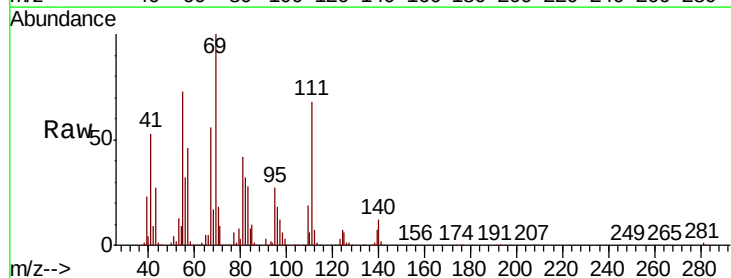
Delta R.T. -0.03 min

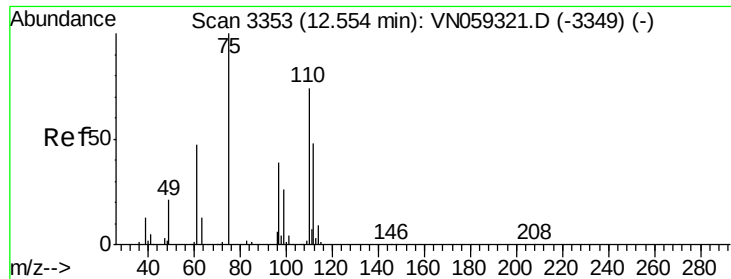
Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Tgt Ion: 83 Resp: 218767

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	87.8	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 15.363 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

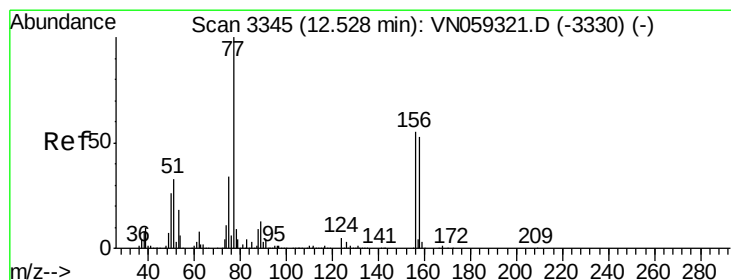
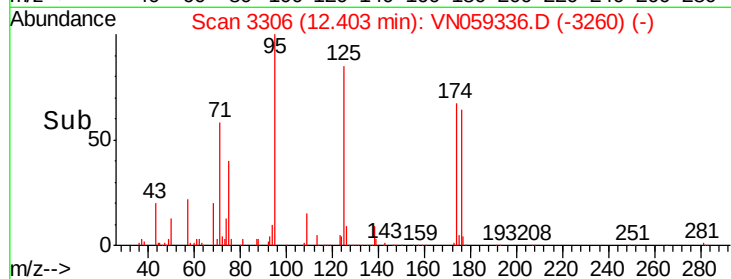
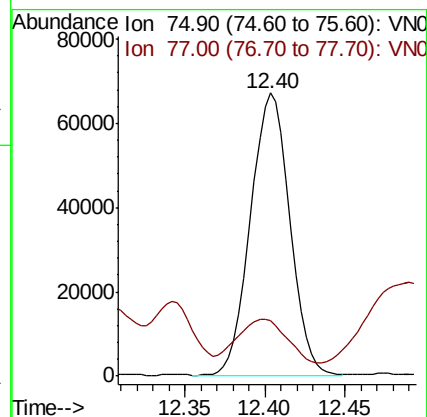
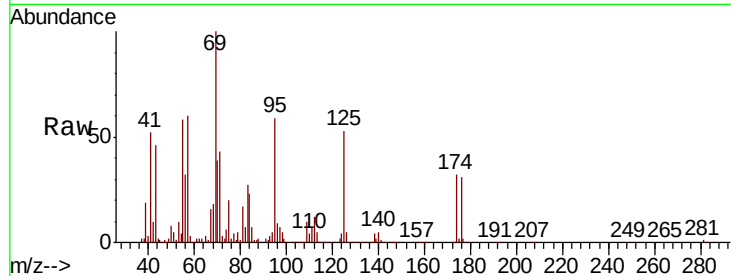
ClientSampleId :

Tot Ion: 75 Resp: 112434

Ion Ratio Lower Upper

75 100

77 18.8 0.0 0.0#



#77

Bromobenzene

Concen: 0.538 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.03 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

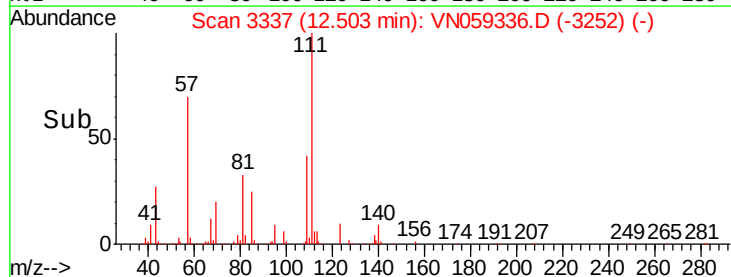
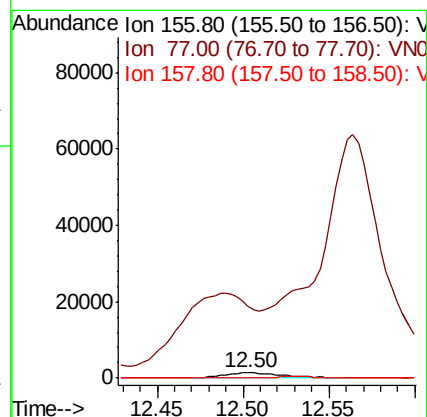
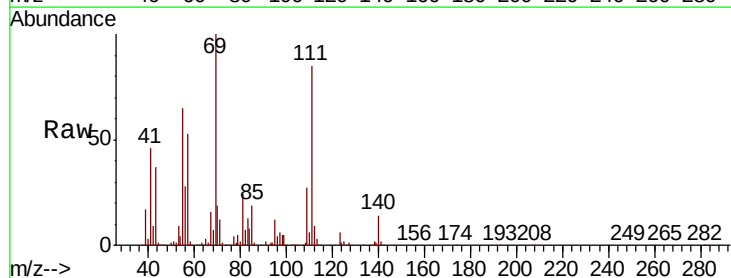
Tgt Ion: 156 Resp: 3389

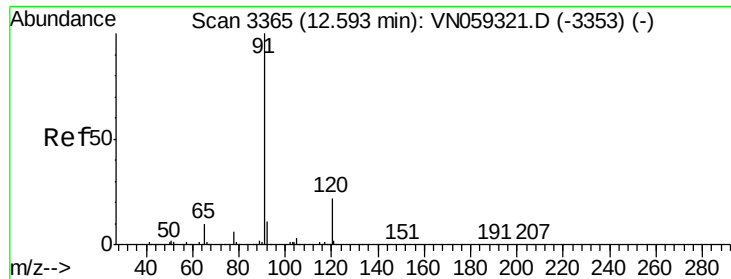
Ion Ratio Lower Upper

156 100

77 1588.2 111.1 333.4#

158 0.0 47.8 143.4#





#78

n-propylbenzene

Concen: 10.419 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

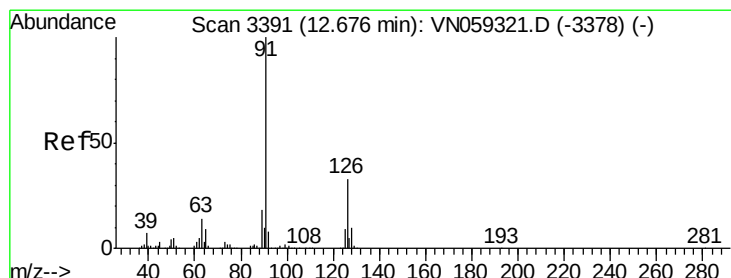
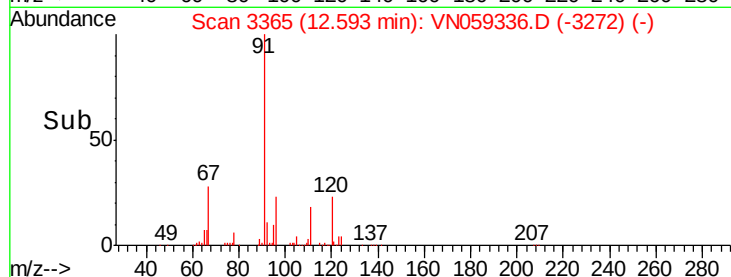
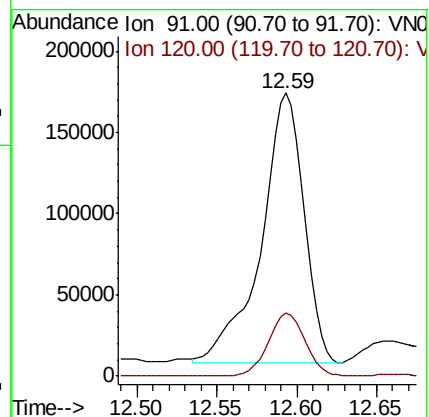
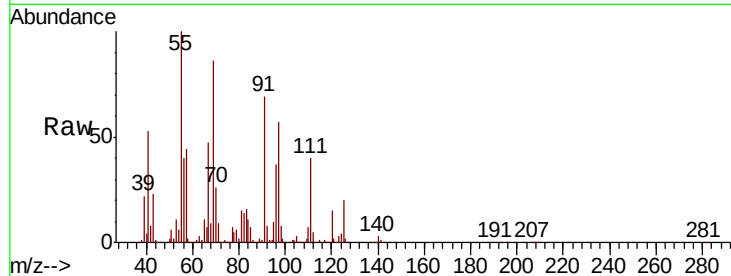
ClientSampleId :

Tot Ion: 91 Resp: 306250

Ion Ratio Lower Upper

91 100

120 20.3 11.3 33.9



#79

2-Chlorotoluene

Concen: 1.861 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN059336.D

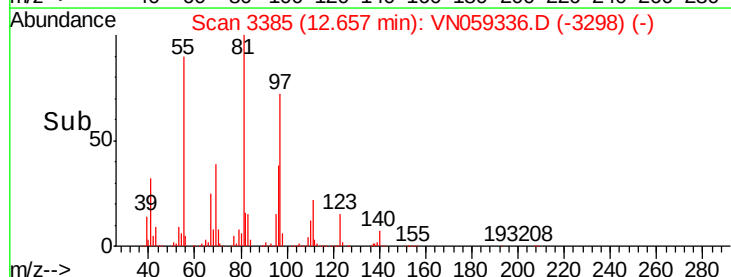
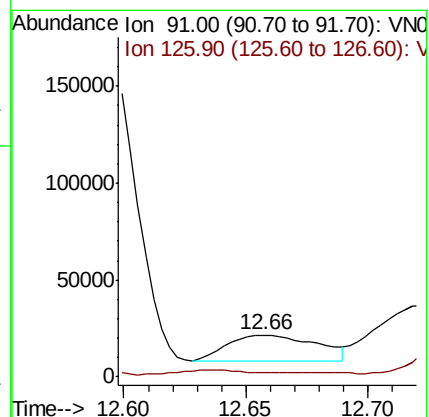
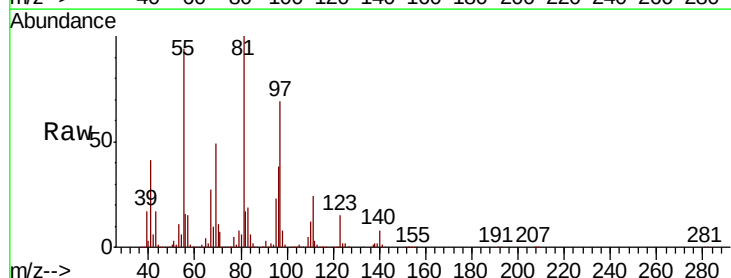
Acq: 21 Nov 2019 15:28

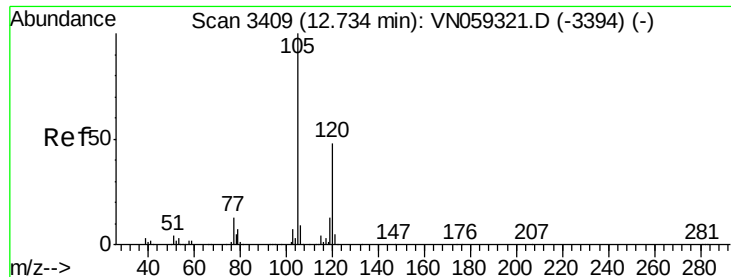
Tgt Ion: 91 Resp: 33568

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#





#80

1,3,5-Trimethylbenzene

Concen: 0.517 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

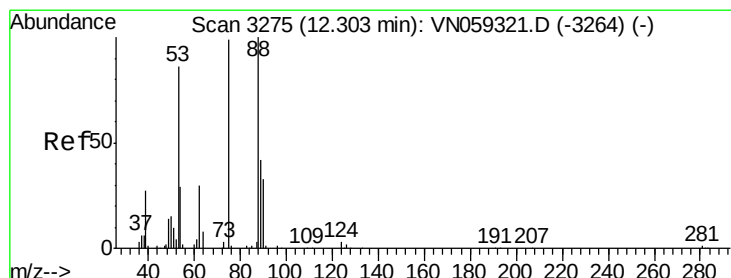
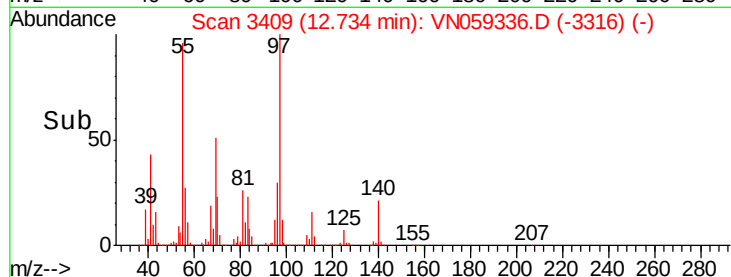
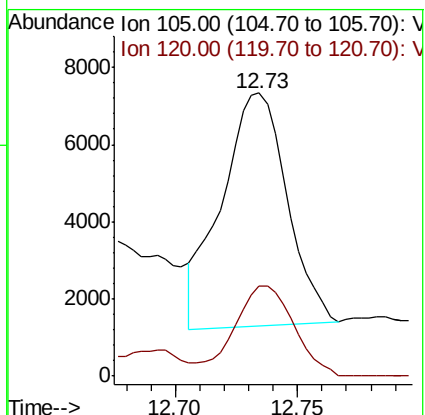
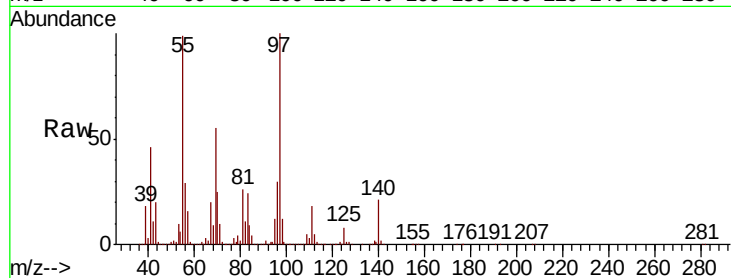
ClientSampleId :

Tot Ion:105 Resp: 11275

Ion Ratio Lower Upper

105 100

120 35.0 24.1 72.4



#81

trans-1,4-Dichloro-2-butene

Concen: 38.426 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

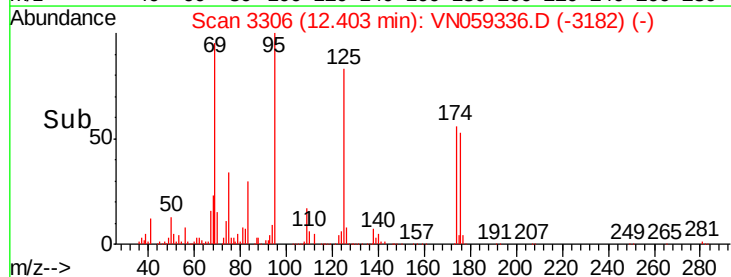
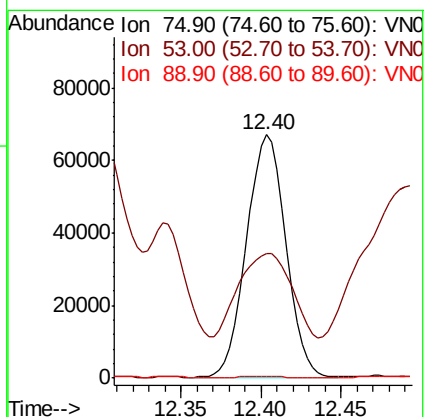
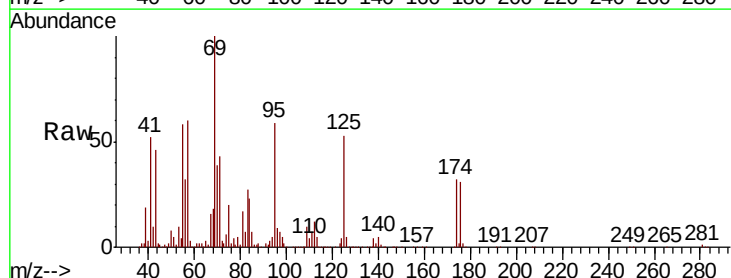
Tgt Ion: 75 Resp: 112434

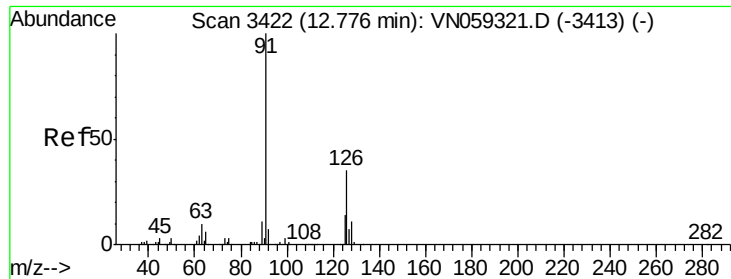
Ion Ratio Lower Upper

75 100

53 46.2 70.7 106.1#

89 0.4 35.4 53.0#





#82

4-Chlorotoluene

Concen: 1.267 ug/l

RT: 12.78 min Scan# 3424

Delta R.T. 0.01 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

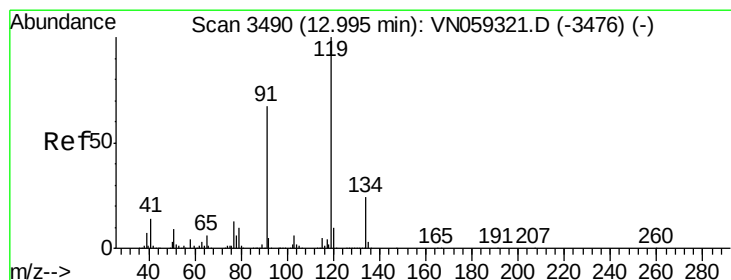
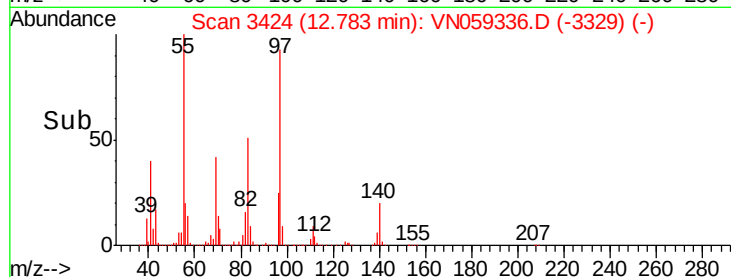
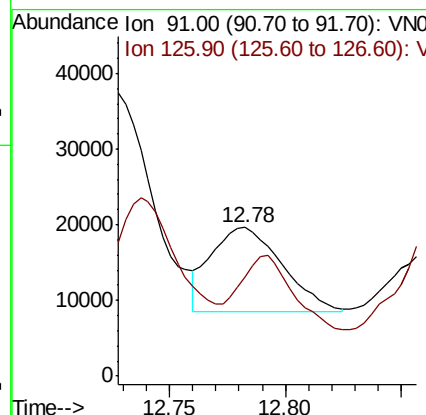
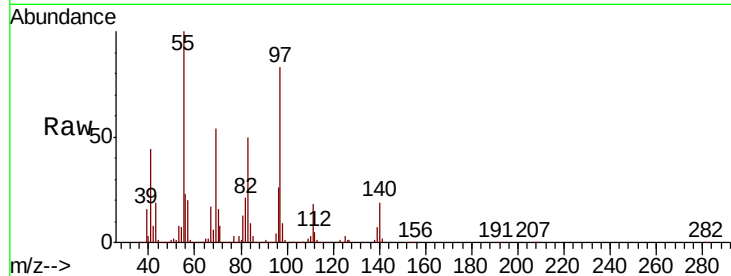
ClientSampleId :

Tot Ion: 91 Resp: 23665

Ion Ratio Lower Upper

91 100

126 108.0 16.2 48.6#



#83

tert-Butylbenzene

Concen: 10.410 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

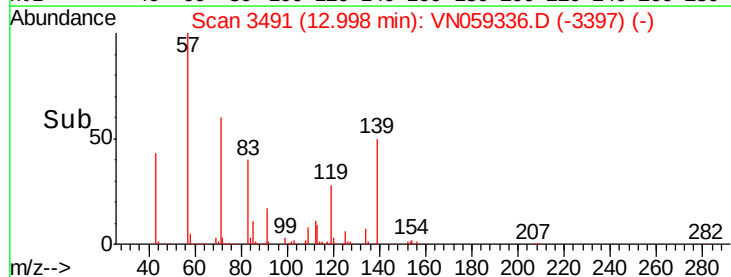
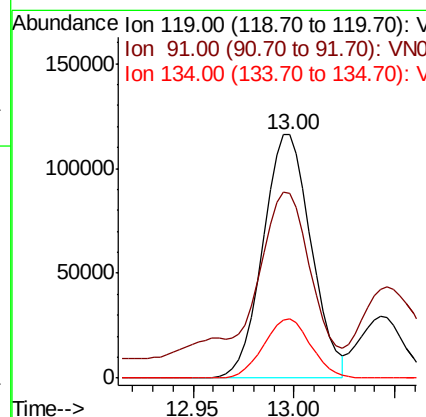
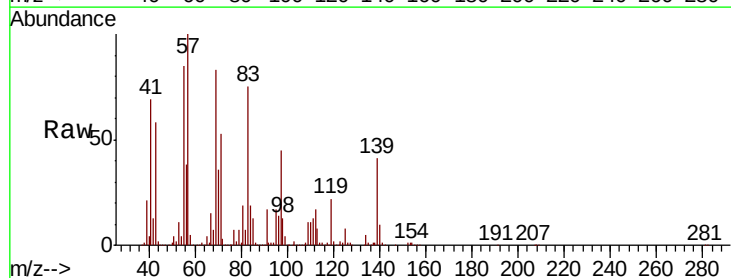
Tgt Ion: 119 Resp: 191792

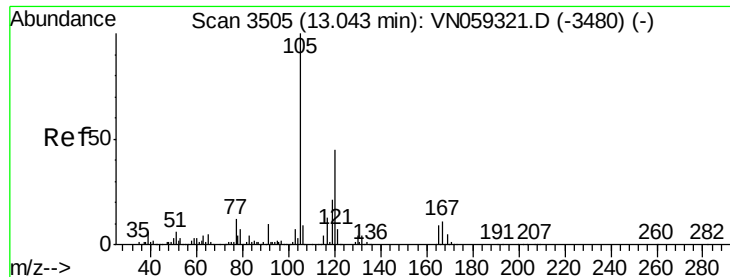
Ion Ratio Lower Upper

119 100

91 77.1 32.8 98.4

134 24.1 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 17.645 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

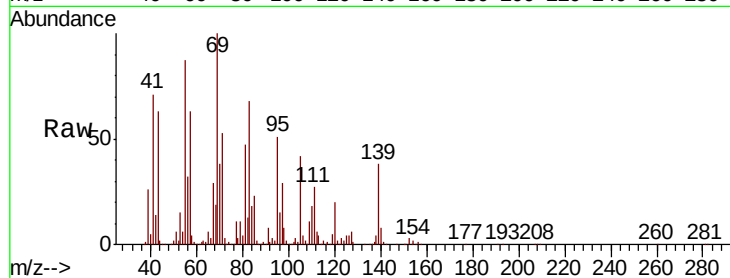
ClientSampled :

Tot Ion:105 Resp: 377042

Ion Ratio Lower Upper

105 100

120 46.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

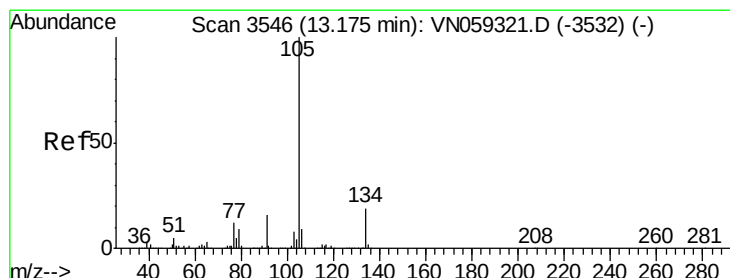
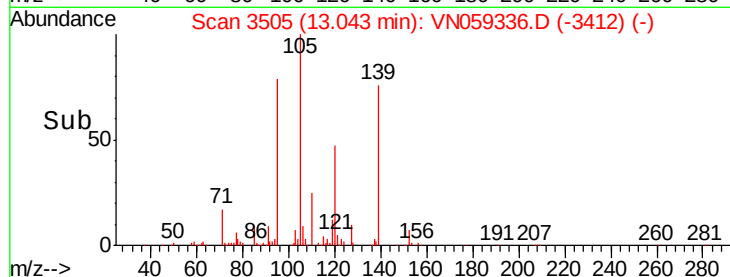
100000

50000

0

13.00 13.05 13.10

Time-->



#85

sec-Butylbenzene

Concen: 27.602 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059336.D

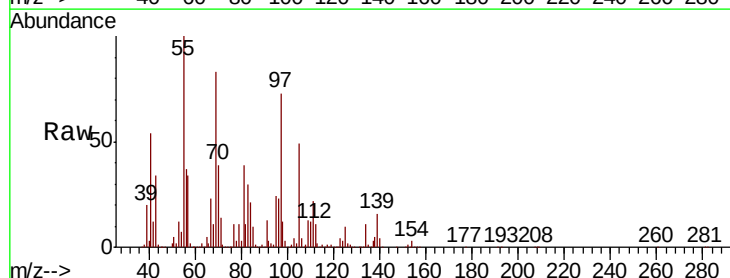
Acq: 21 Nov 2019 15:28

Tgt Ion:105 Resp: 683480

Ion Ratio Lower Upper

105 100

134 32.1 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

500000

400000

300000

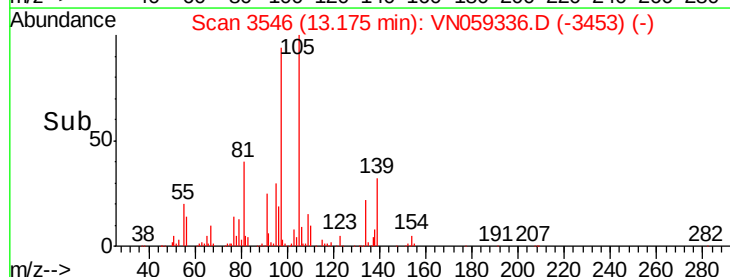
200000

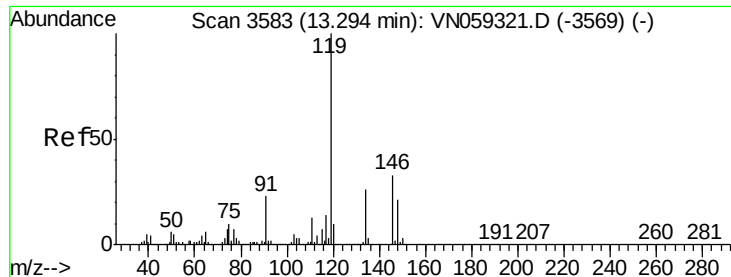
100000

0

13.10 13.15 13.20

Time-->

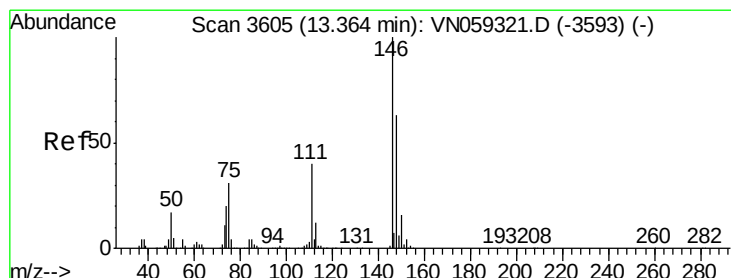
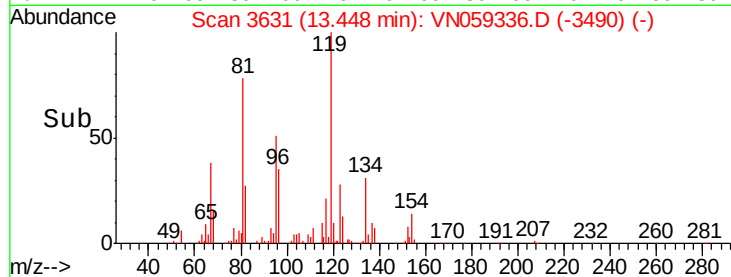
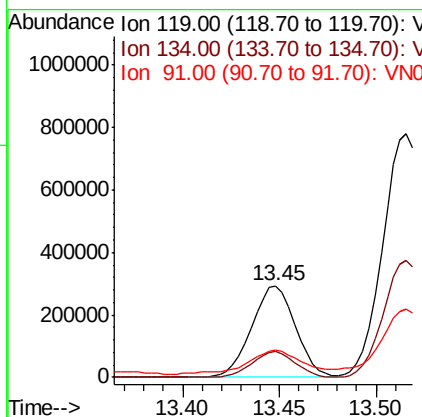
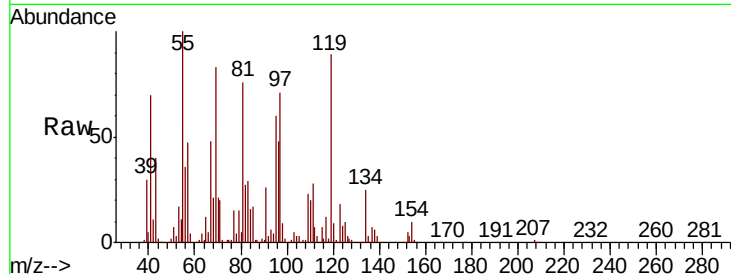




#86
 p-Isopropyltoluene
 Concen: 20.945 ug/l
 RT: 13.45 min Scan# 3631
 Delta R.T. 0.15 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

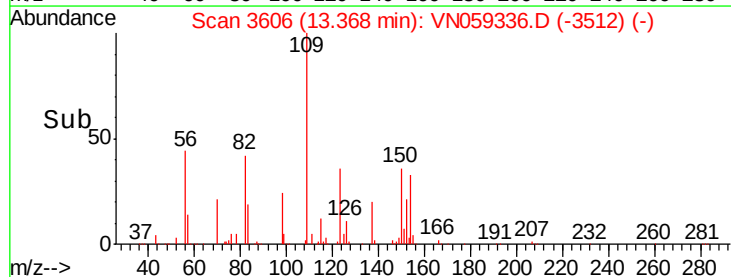
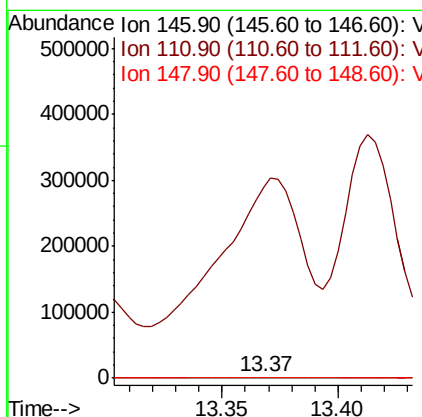
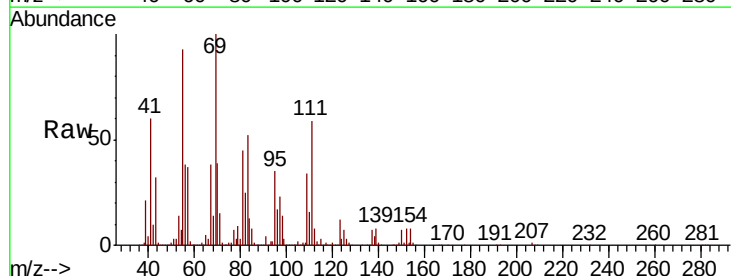
Instrument :
 MSVOA_N
 ClientSampled :

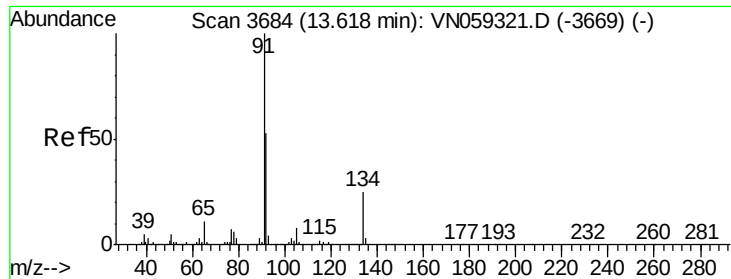
Tot Ion:119 Resp: 461526
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.0 38.9
 91 31.2 11.6 34.7



#88
 1,4-Dichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

Tgt Ion:146 Resp: 2613
 Ion Ratio Lower Upper
 146 100
 111 19139.5 20.1 60.3#
 148 90.5 31.7 95.1





#89

n-Butylbenzene

Concen: 20.154 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

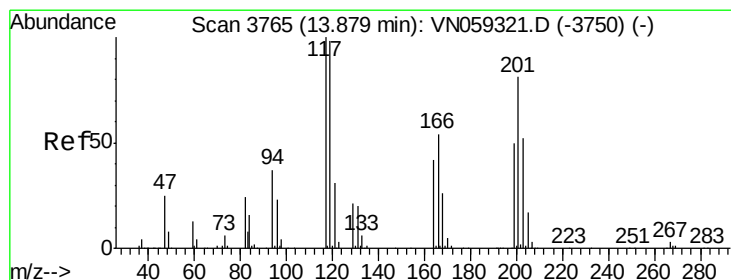
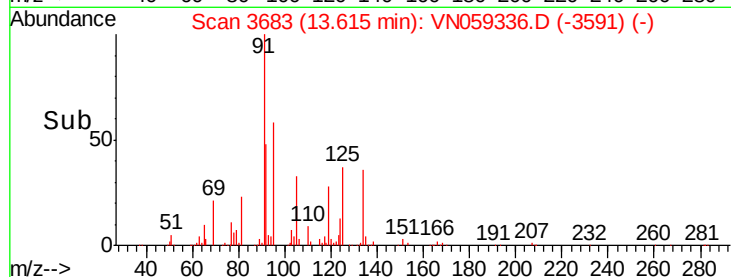
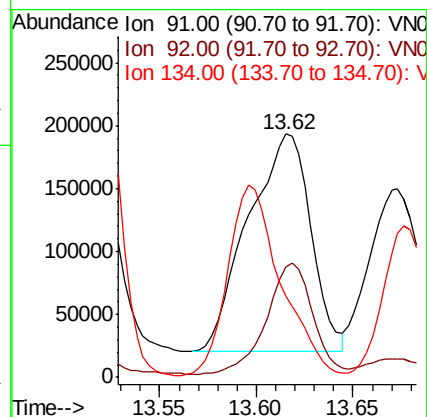
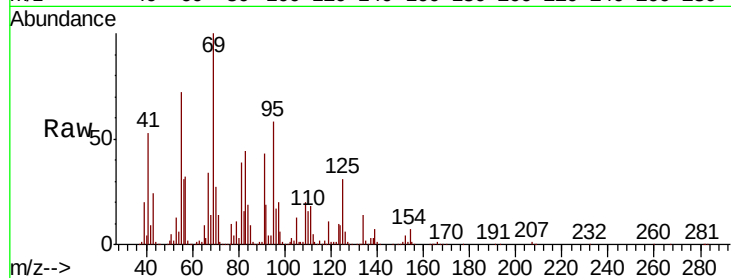
Tot Ion: 91 Resp: 389582

Ion Ratio Lower Upper

91 100

92 37.8 26.0 78.0

134 0.0 12.7 38.1#



#90

Hexachloroethane

Concen: 52.092 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN059336.D

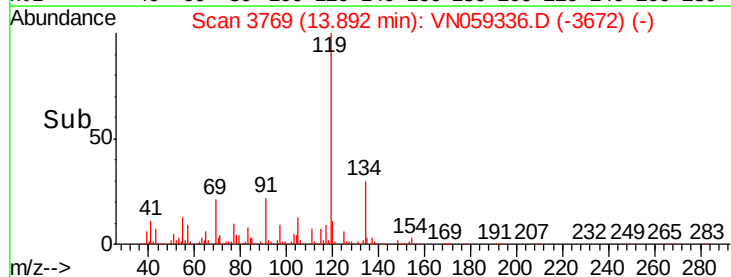
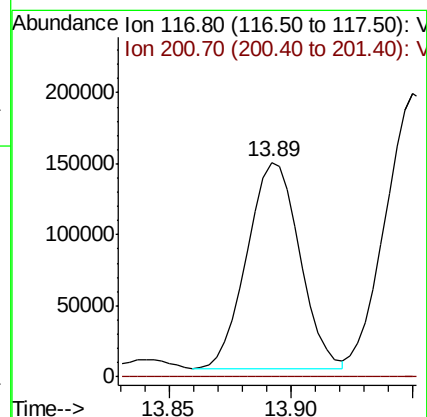
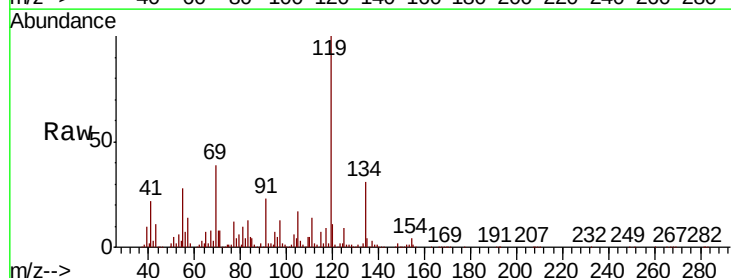
Acq: 21 Nov 2019 15:28

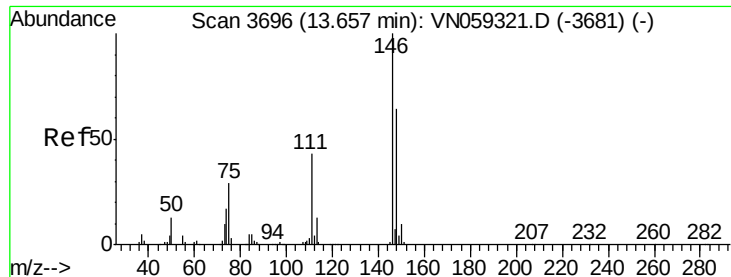
Tgt Ion: 117 Resp: 217383

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#





#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059336.D

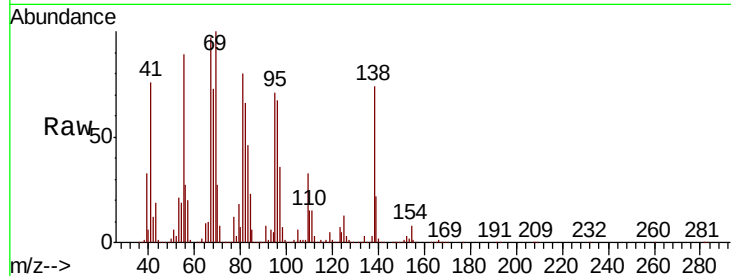
Acq: 21 Nov 2019 15:28

Instrument :

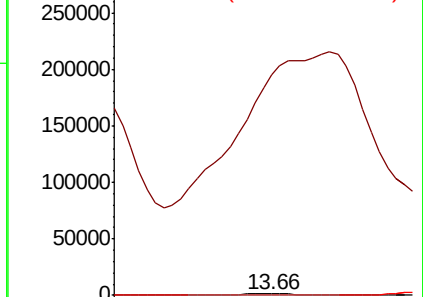
MSVOA_N

ClientSampled :

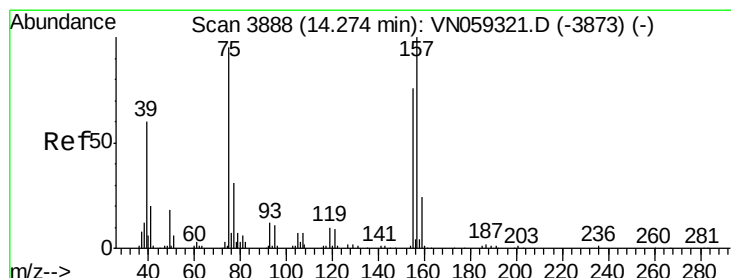
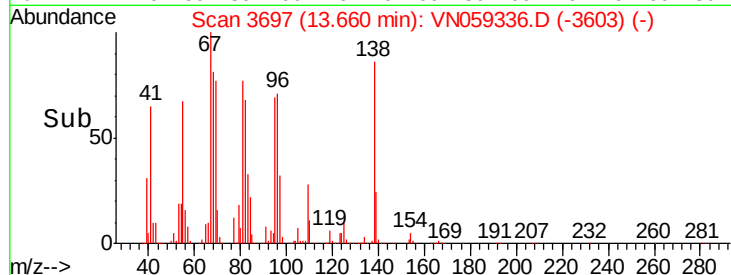
Tot Ion:	146	Resp:	2196
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.3	64.0#
148	73.6	31.9	95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time--> 13.60 13.65 13.70



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.337 ug/l

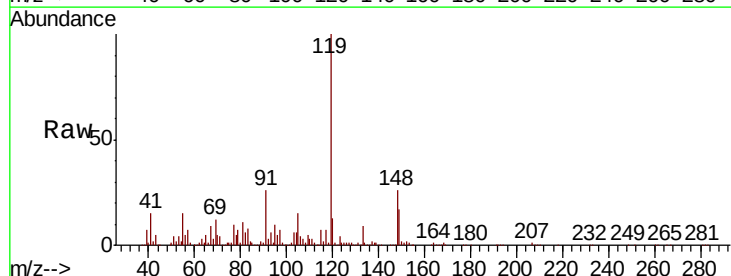
RT: 14.29 min Scan# 3894

Delta R.T. 0.02 min

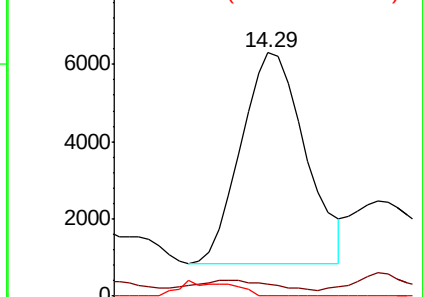
Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

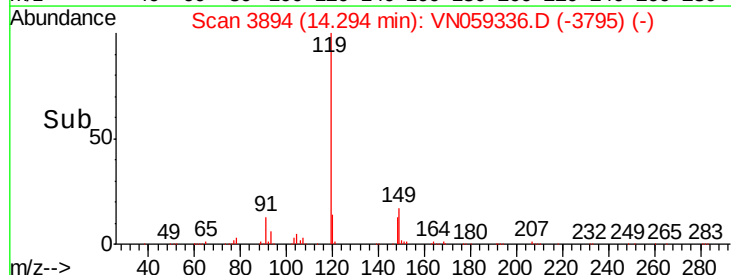
Tgt Ion:	75	Resp:	7915
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.5	121.5#
157	0.0	52.7	158.1#

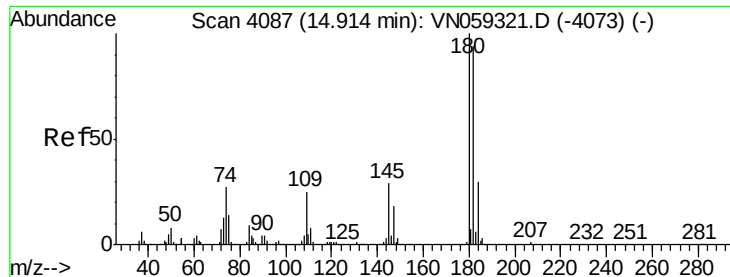


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time--> 14.25 14.30

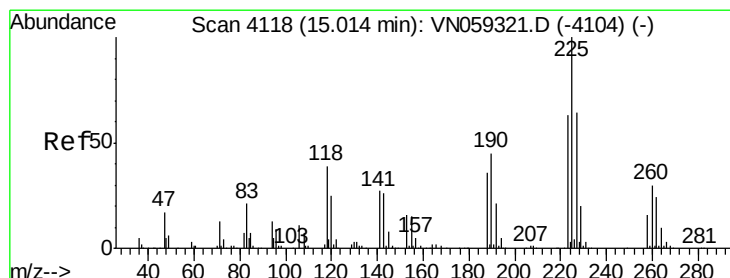
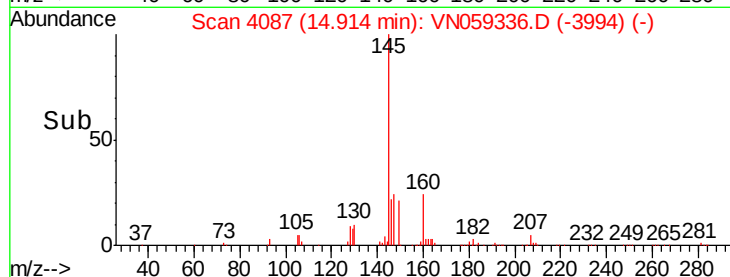
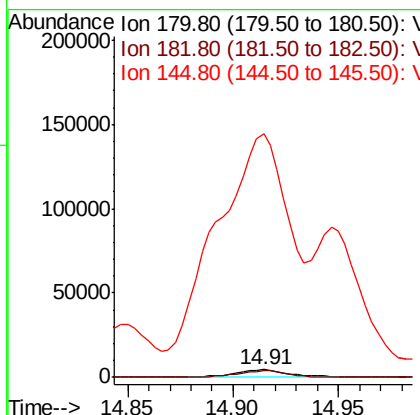
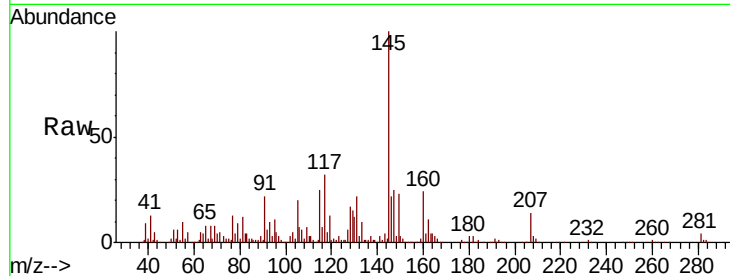




#93
 1,2,4-Trichlorobenzene
 Concen: 3.858 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

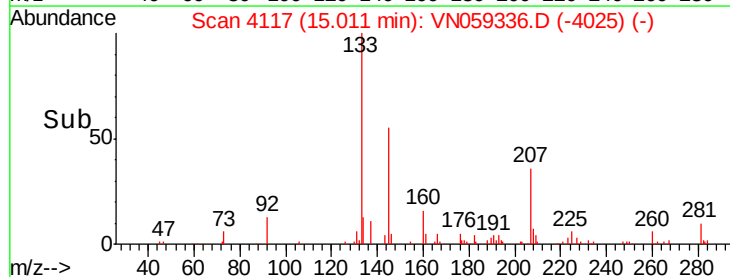
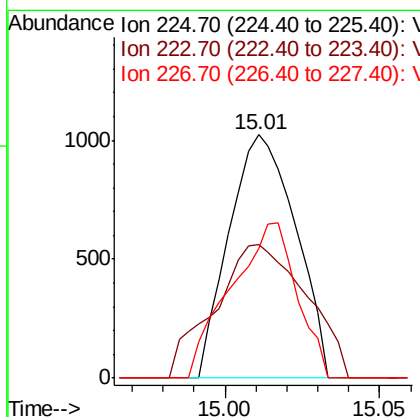
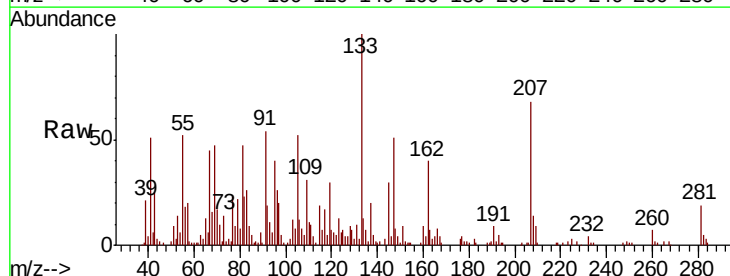
Instrument :
 MSVOA_N
 ClientSampleId :

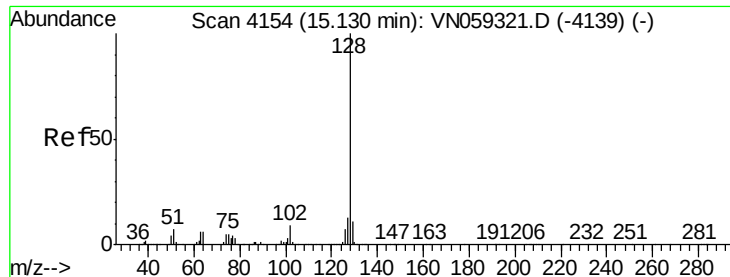
Tot Ion:180 Resp: 6588
 Ion Ratio Lower Upper
 180 100
 182 91.9 47.2 141.6
 145 5400.5 14.9 44.5#



#94
 Hexachlorobutadiene
 Concen: 0.391 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059336.D
 Acq: 21 Nov 2019 15:28

Tgt Ion:225 Resp: 1529
 Ion Ratio Lower Upper
 225 100
 223 75.8 31.6 94.8
 227 63.3 32.6 97.7





#95

Naphthalene

Concen: 4.710 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

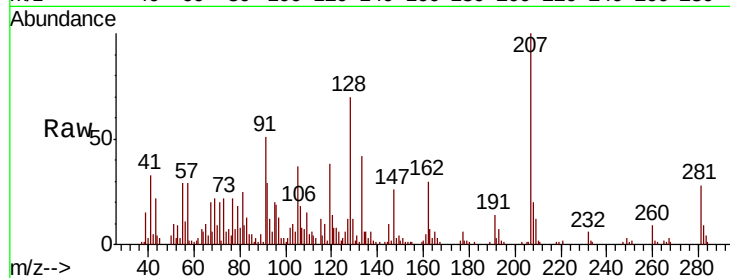
Tot Ion:128 Resp: 30745

Ion Ratio Lower Upper

128 100

127 10.3 10.2 15.2

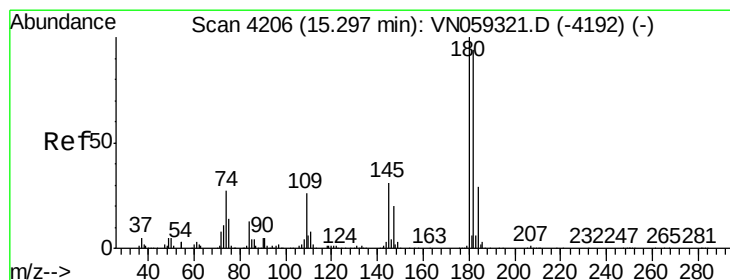
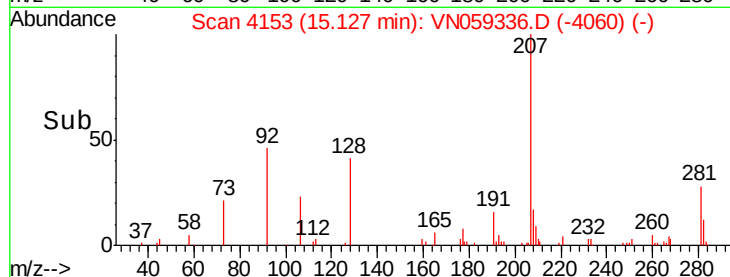
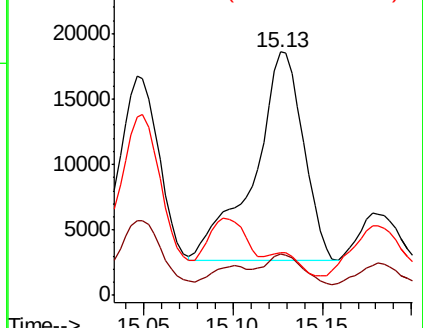
129 0.0 8.6 13.0#



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: 3.082 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059336.D

Acq: 21 Nov 2019 15:28

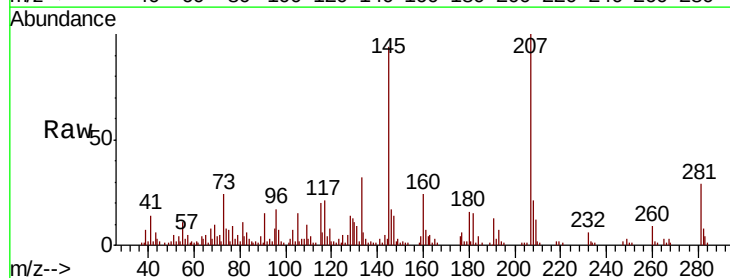
Tgt Ion:180 Resp: 8126

Ion Ratio Lower Upper

180 100

182 102.7 47.1 141.4

145 0.0 15.6 46.8#



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

