

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055610.D
 Acq On : 17 May 2019 15:11
 Operator : JC/SP
 Sample : K2918-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:09:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	417106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	589875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	491508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	197679	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	
35) Dibromofluoromethane	7.59	113	181095	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.09	98	688715	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	217089	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

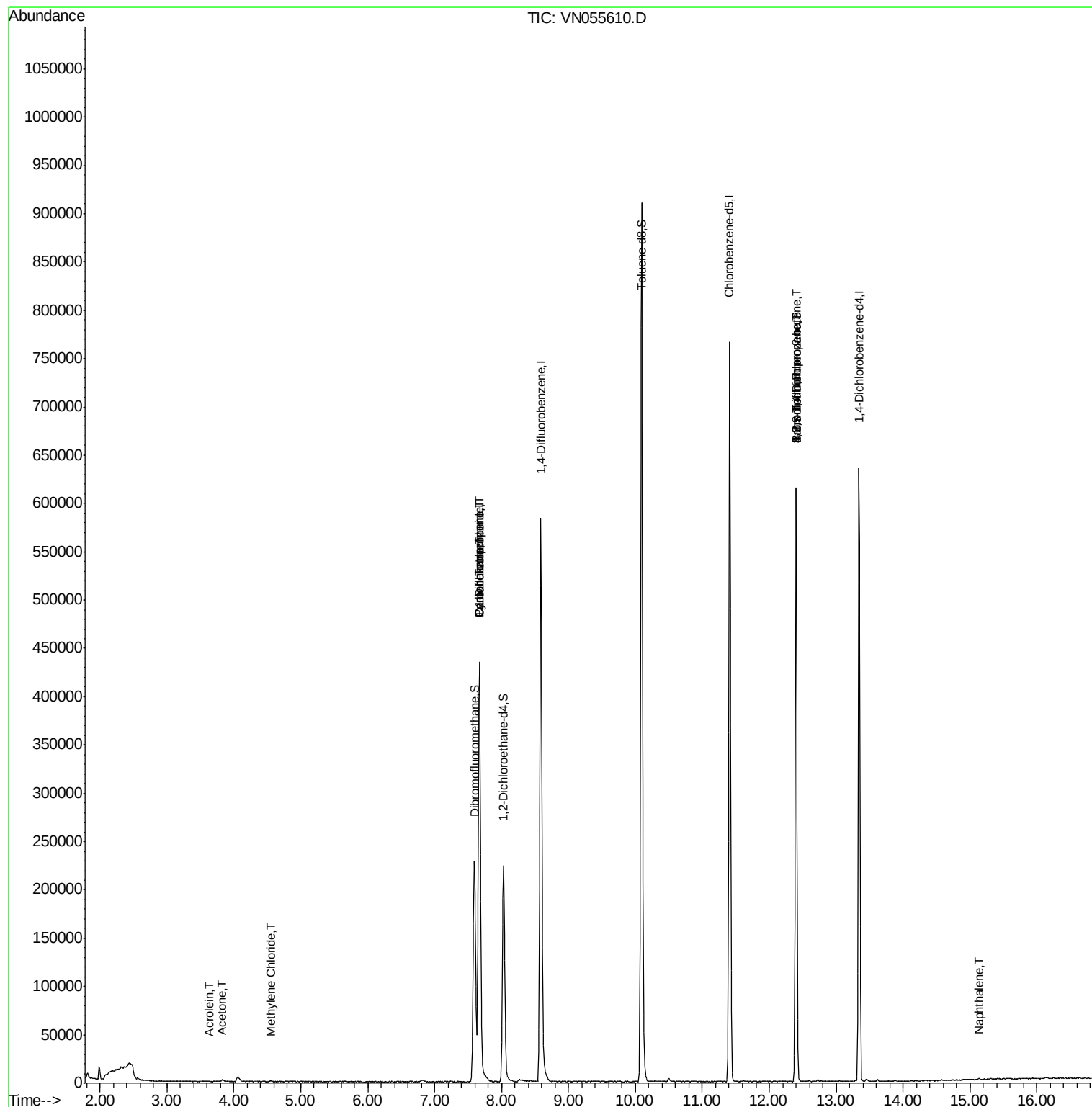
						Qvalue
13) Acrolein	3.62	56	97	1.584	ug/l #	61
16) Acetone	3.83	43	2761	1.480	ug/l	91
20) Methylene Chloride	4.56	84	868	0.204	ug/l #	85
31) Cyclohexane	7.67	56	6758	0.997	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	25015	4.757	ug/l #	49
38) Carbon Tetrachloride	7.67	117	34456	6.131	ug/l #	15
71) Bromoform	12.40	173	1491	0.440	ug/l #	1
73) Isopropylbenzene	12.25	105	427	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	101083	26.636	ug/l #	100
79) 2-Chlorotoluene	12.67	91	492	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	337	Below Cal		71
81) trans-1,4-Dichloro-2-buten	12.40	75	101083	68.469	ug/l #	17
83) tert-Butylbenzene	12.99	119	137	Below Cal	#	25
84) 1,2,4-Trimethylbenzene	13.04	105	549	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	655	Below Cal	#	56
86) p-Isopropyltoluene	13.28	119	660	Below Cal	#	60
94) Hexachlorobutadiene	15.01	225	107	Below Cal	#	18
95) Naphthalene	15.13	128	1099	1.874	ug/l #	69

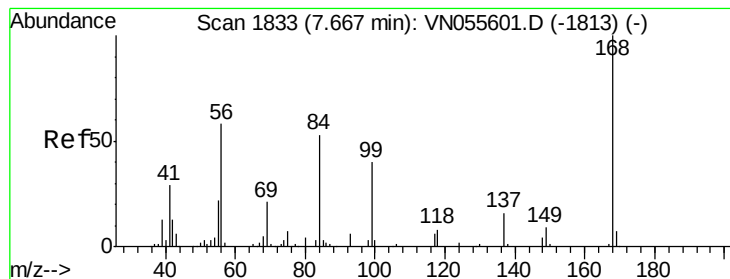
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

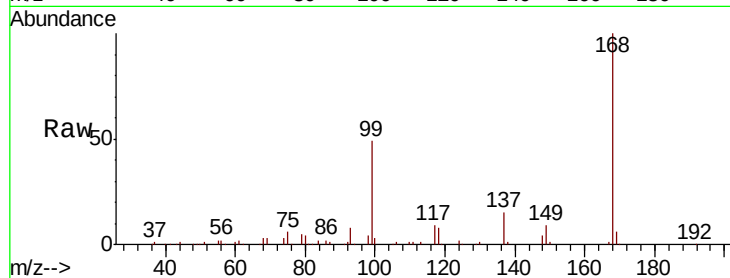
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 417106

Ion Ratio Lower Upper

168 100

99 48.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

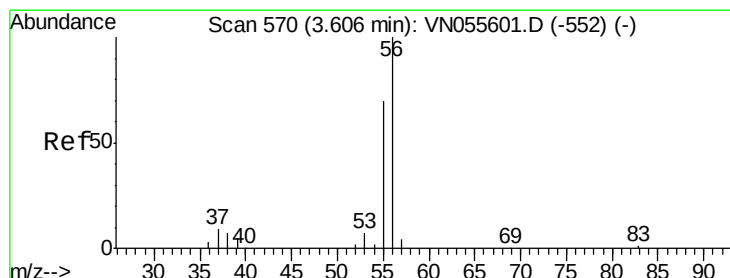
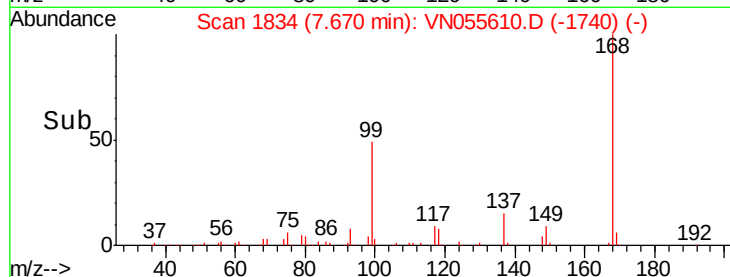
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 1.584 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055610.D

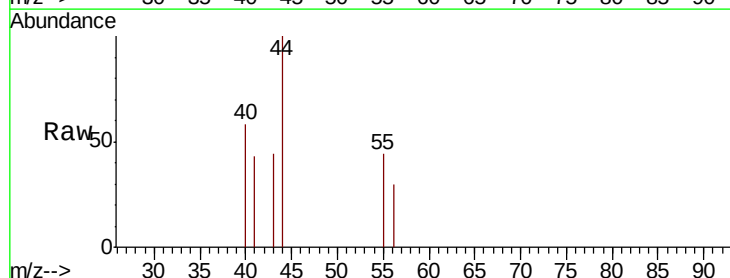
Acq: 17 May 2019 15:11

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 38.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

300

250

200

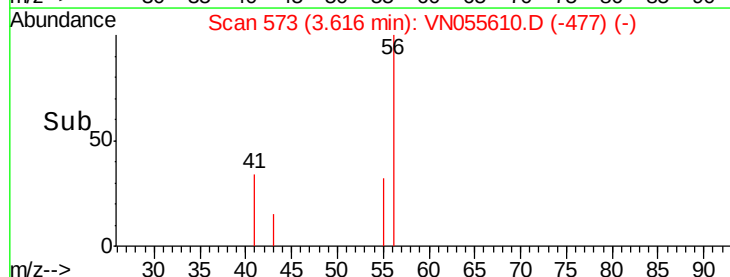
150

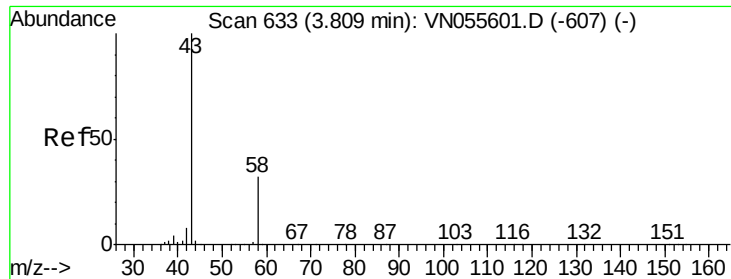
100

50

0

Time--> 3.60 3.61 3.62 3.63

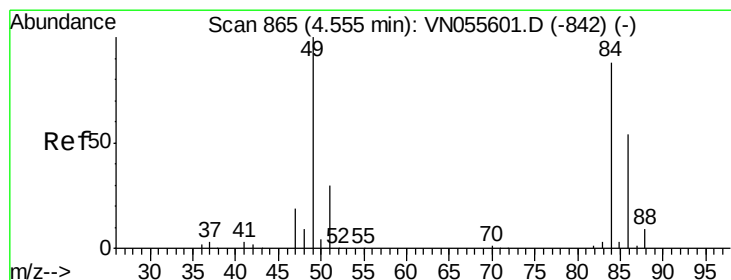
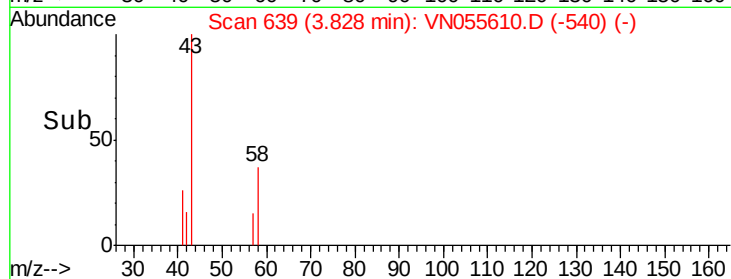
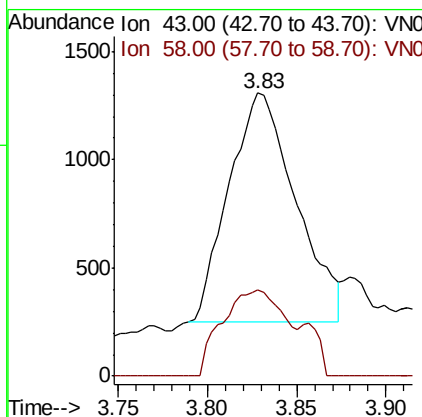
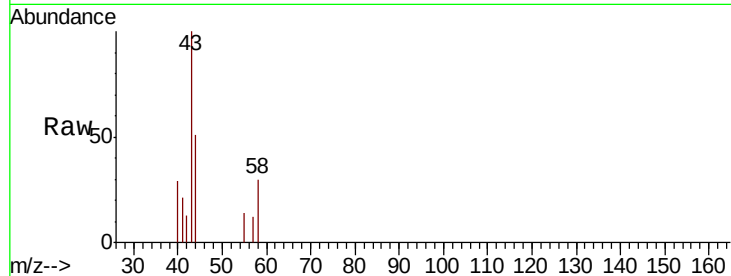




#16
Acetone
Concen: 1.480 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.02 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

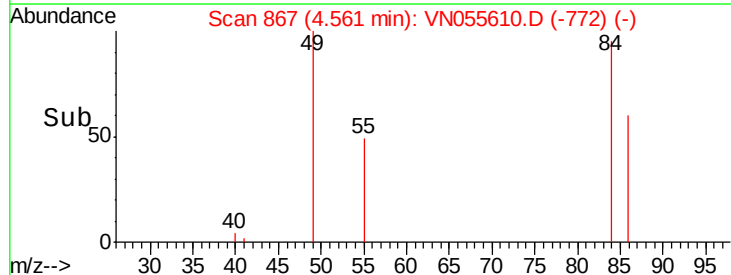
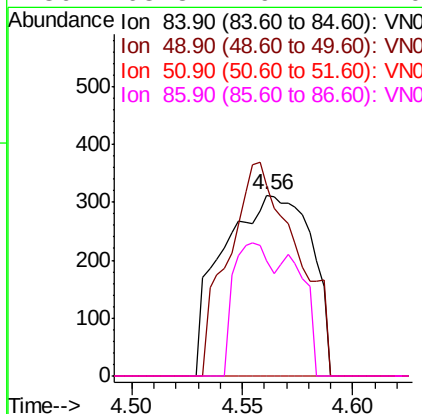
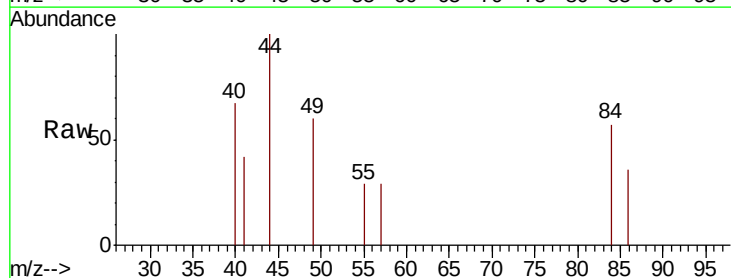
Instrument :
MSVOA_N
ClientSampled :

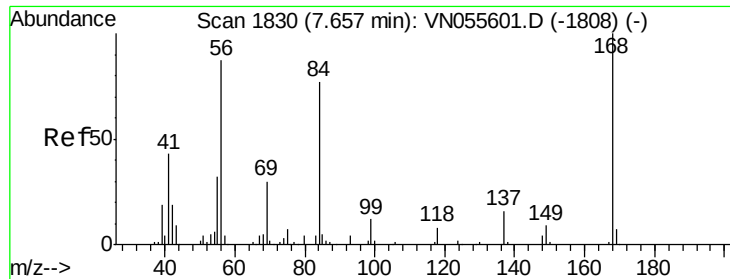
Tot Ion: 43 Resp: 2761
Ion Ratio Lower Upper
43 100
58 37.4 26.0 39.0



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 105.4 91.0 136.4
51 0.0 27.5 41.3#
86 63.8 49.4 74.0

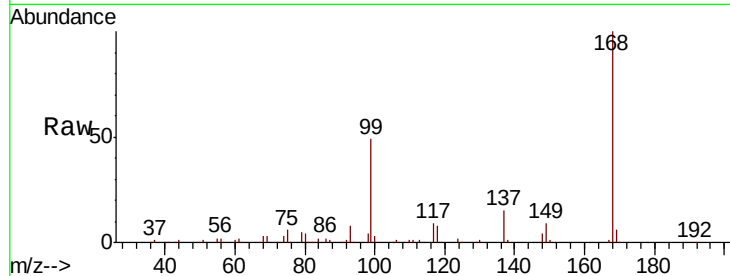




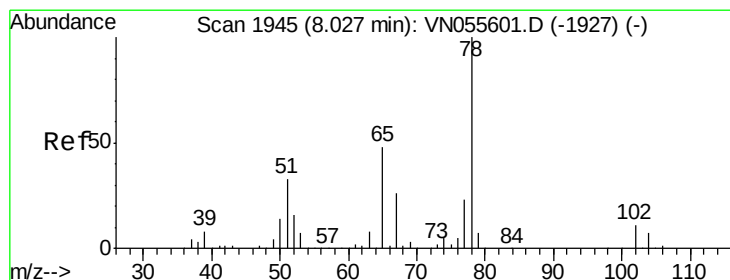
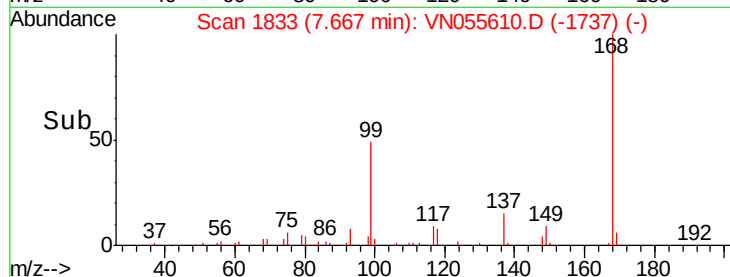
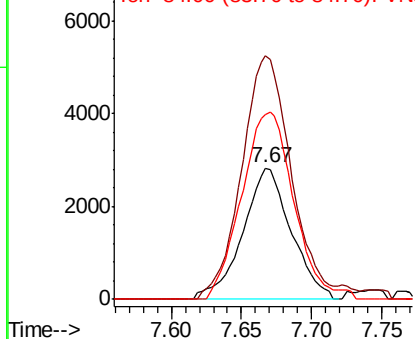
#31
Cyclohexane
Concen: 0.997 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6758
Ion Ratio Lower Upper
56 100
69 185.8 27.2 40.8#
84 141.0 71.3 106.9#

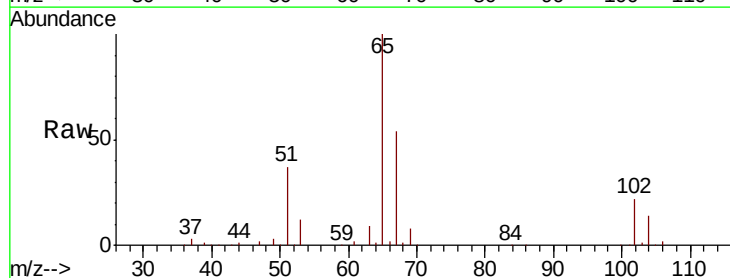


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

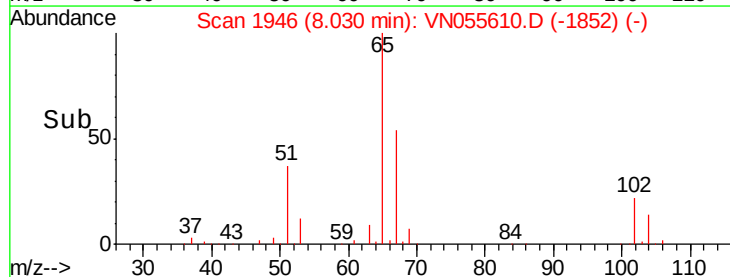
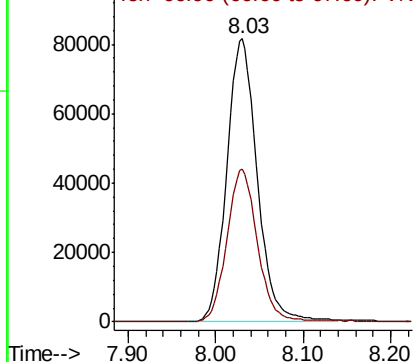


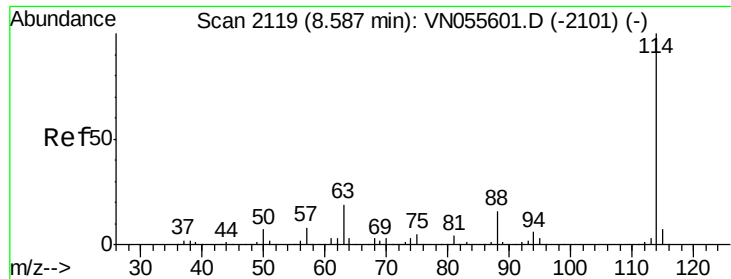
#33
1,2-Dichloroethane-d4
Concen: 43.234 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Tgt Ion: 65 Resp: 197679
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.6



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

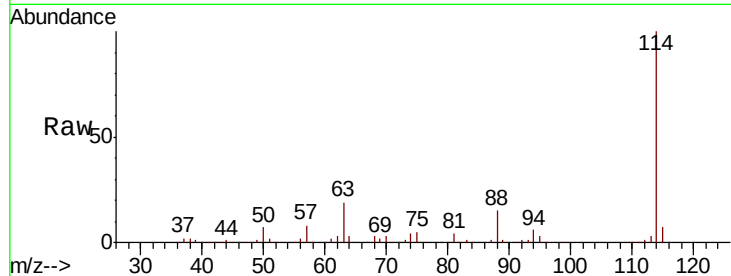




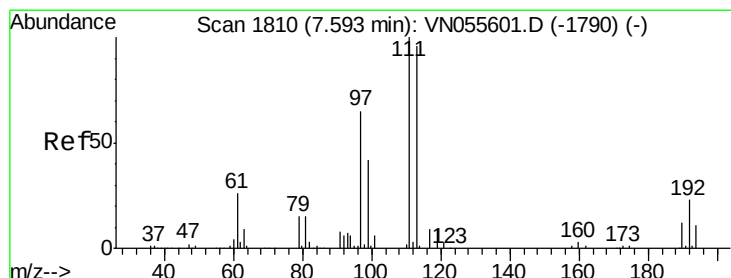
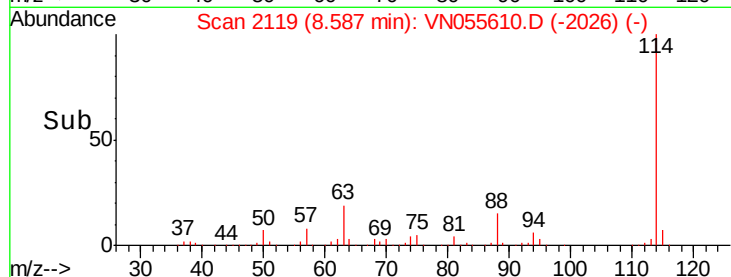
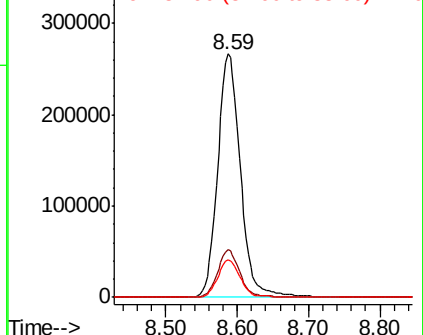
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 589875
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.2
 88 15.3 0.0 31.0

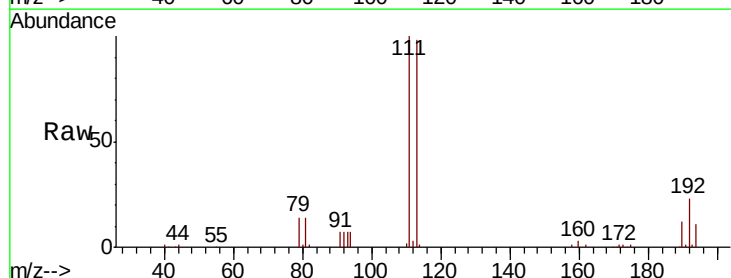


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

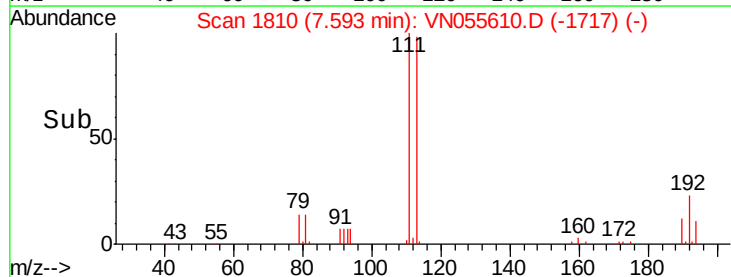
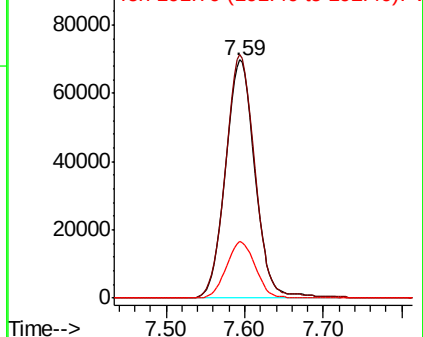


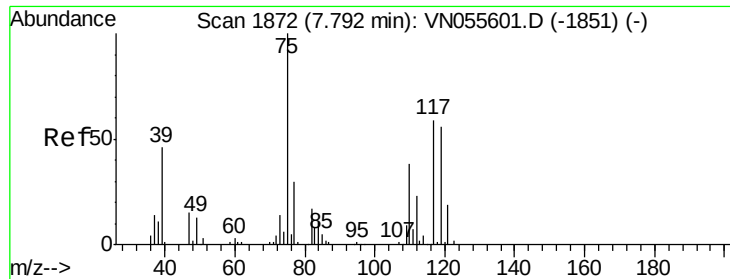
#35
 Dibromofluoromethane
 Concen: 48.329 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Tgt Ion:113 Resp: 181095
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.5 123.7
 192 23.5 18.7 28.1



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

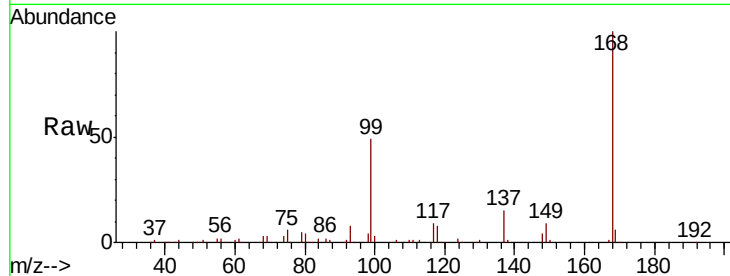




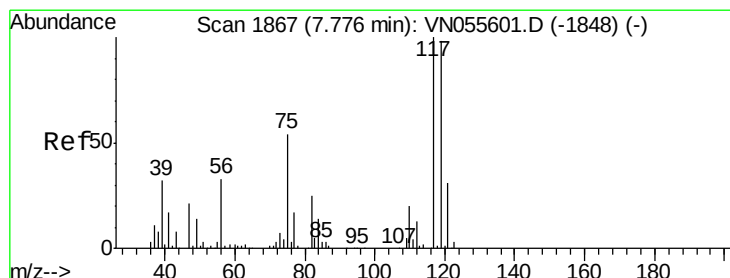
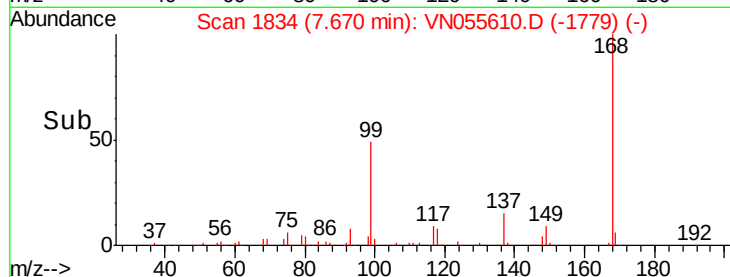
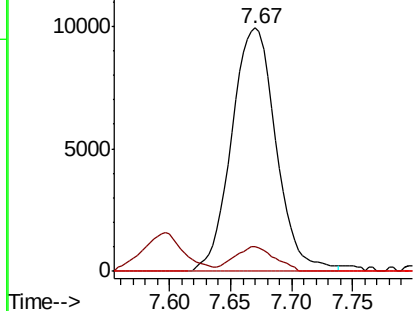
#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.6	55.6#
77	0.0	24.9	37.3#

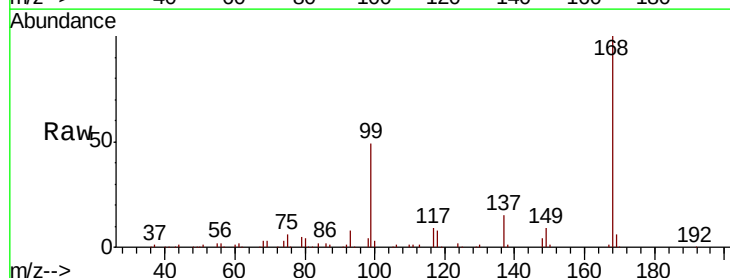


Abundance Ion 74.90 (74.60 to 75.60): VN055610.D (-1851) (-)
 Ion 109.90 (109.60 to 110.60): VN055610.D (-1851) (-)
 Ion 76.90 (76.60 to 77.60): VN055610.D (-1851) (-)

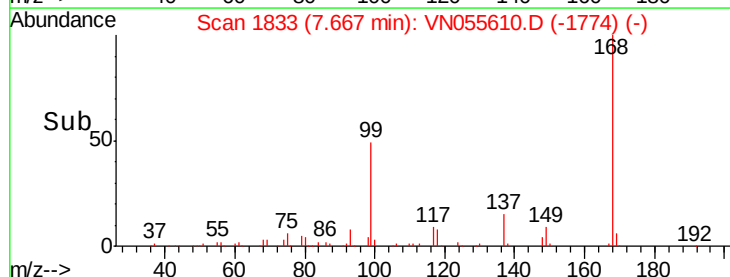
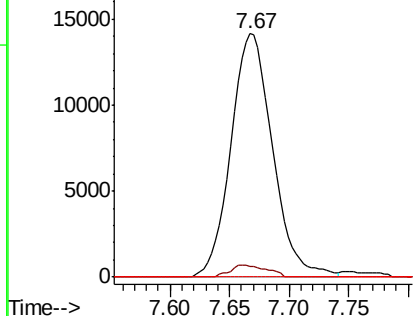


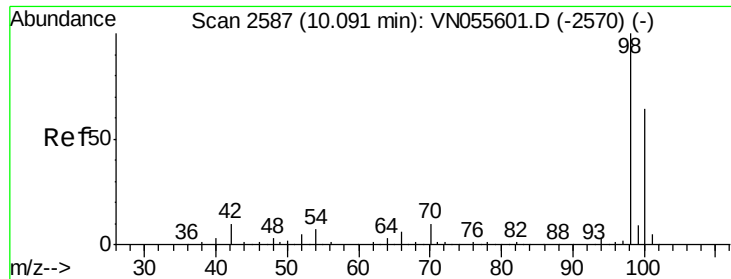
#38
 Carbon Tetrachloride
 Concen: 6.131 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.8	116.8#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN055610.D (-1848) (-)
 Ion 118.80 (118.50 to 119.50): VN055610.D (-1848) (-)
 Ion 120.80 (120.50 to 121.50): VN055610.D (-1848) (-)

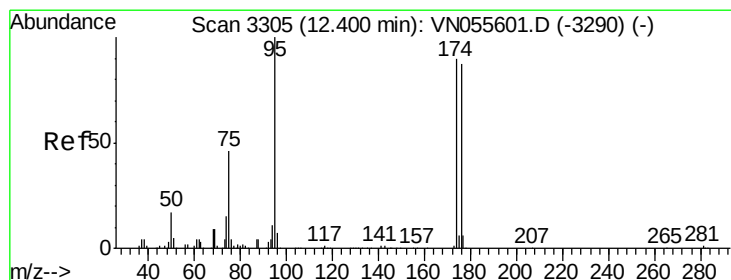
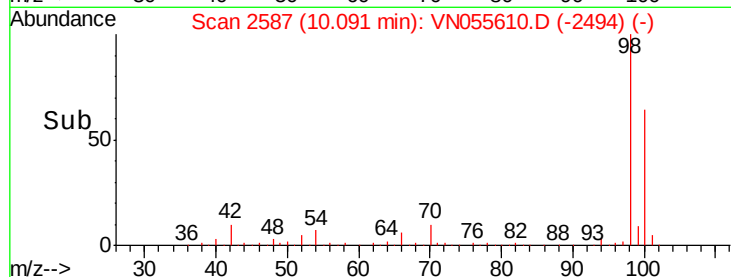
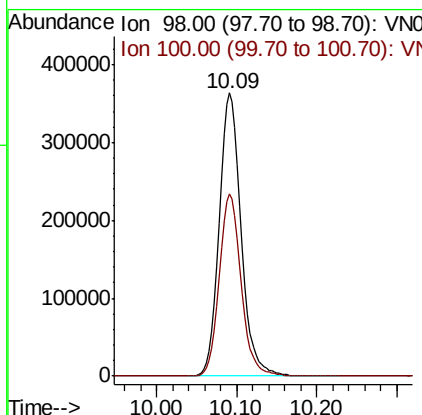
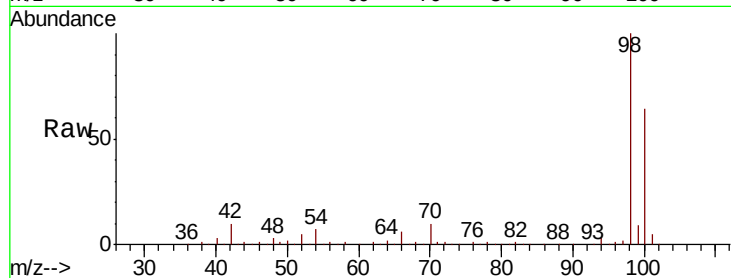




#50
Toluene-d8
Concen: 48.609 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

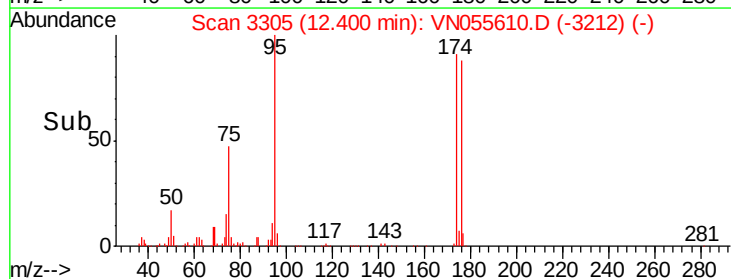
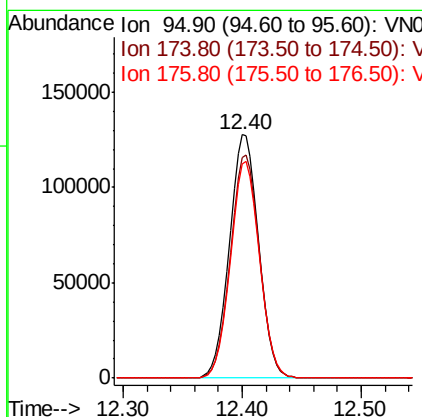
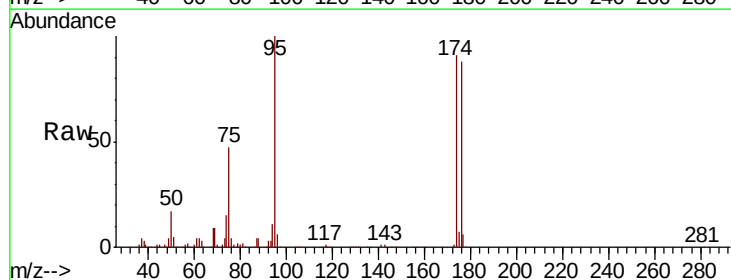
Instrument :
MSVOA_N
ClientSampleId :

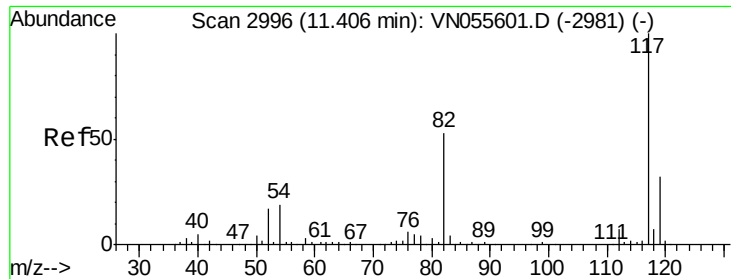
Tot Ion: 98 Resp: 688715
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.371 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Tgt Ion: 95 Resp: 217089
Ion Ratio Lower Upper
95 100
174 91.4 0.0 180.6
176 88.5 0.0 177.4

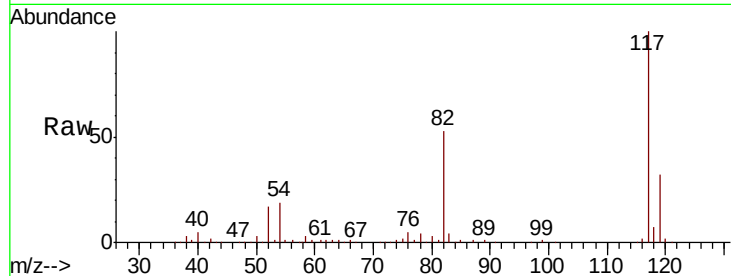




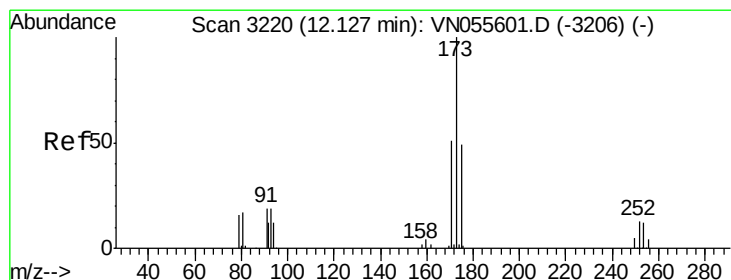
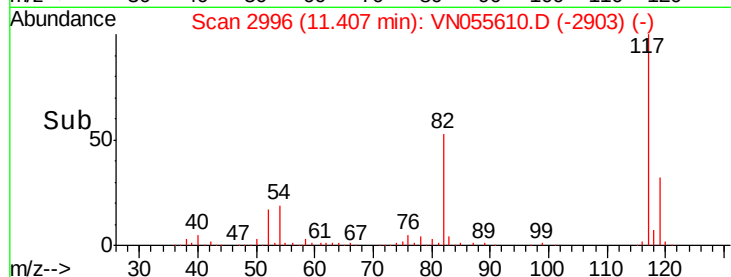
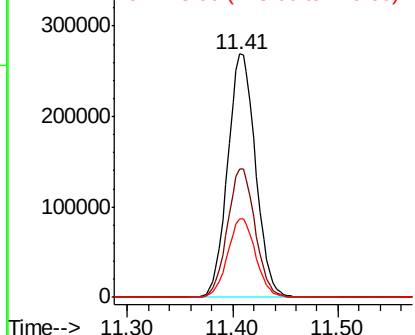
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 491508
Ion Ratio Lower Upper
117 100
82 52.8 42.3 63.5
119 32.4 25.4 38.2

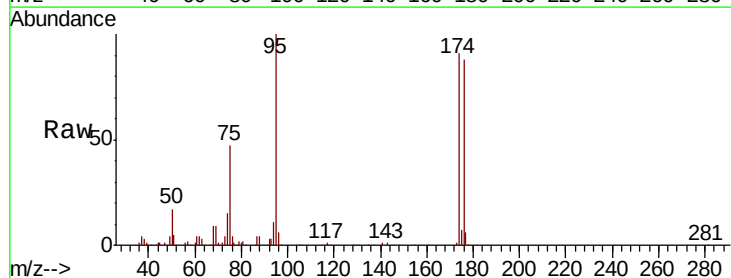


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

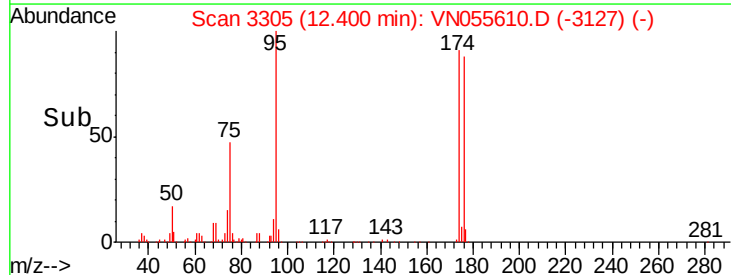
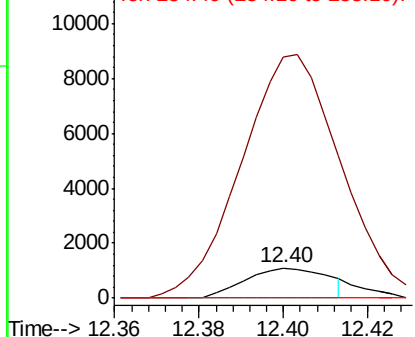


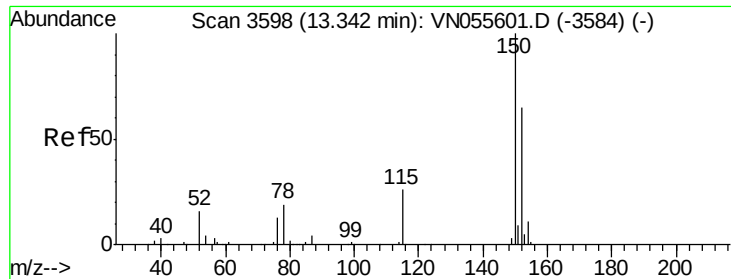
#71
Bromoform
Concen: 0.440 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Tgt Ion:173 Resp: 1491
Ion Ratio Lower Upper
173 100
175 852.6 24.3 72.9#
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



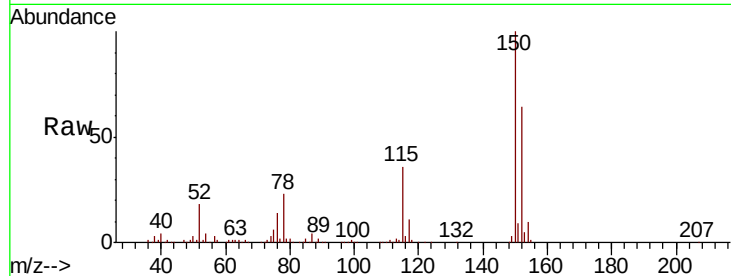


#72

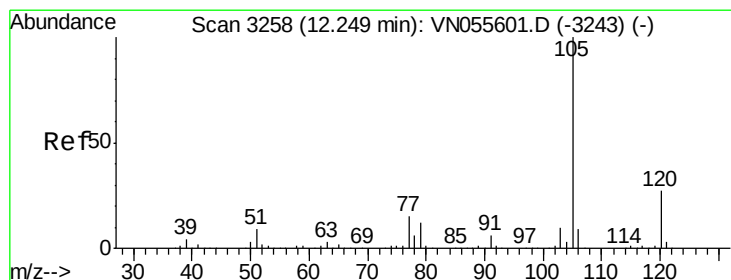
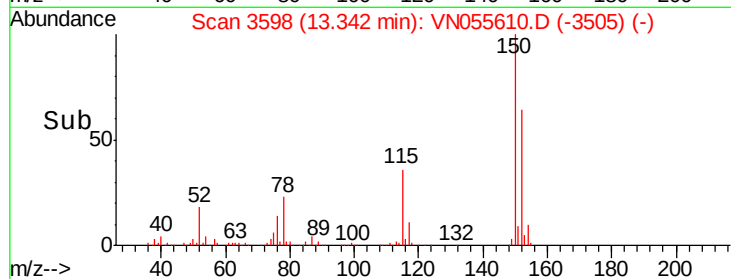
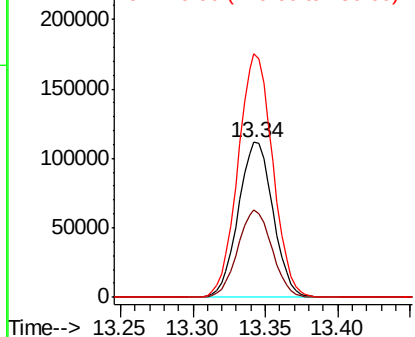
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 185983
Ion Ratio Lower Upper
152 100
115 55.7 28.1 84.2
150 156.6 0.0 348.0



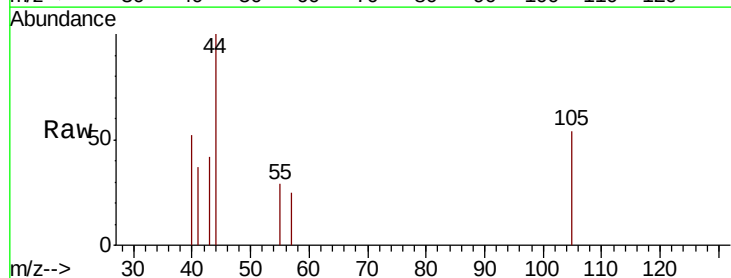
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



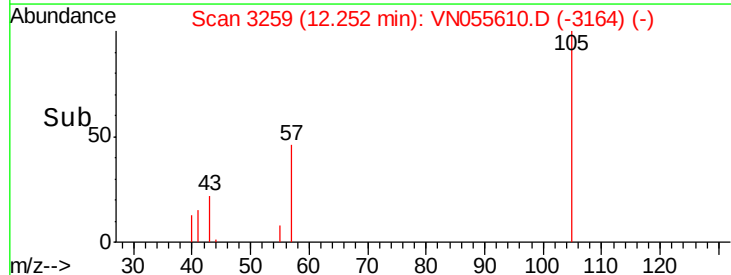
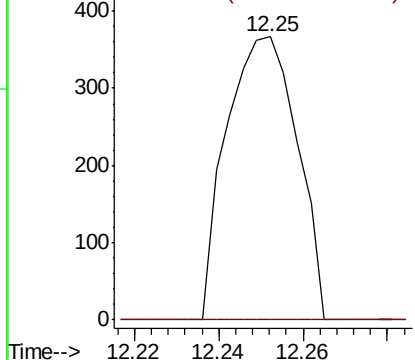
#73

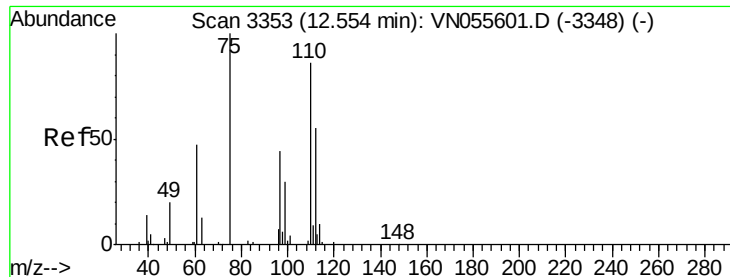
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055610.D
Acq: 17 May 2019 15:11

Tgt Ion:105 Resp: 427
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 26.636 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

Instrument :

MSVOA_N

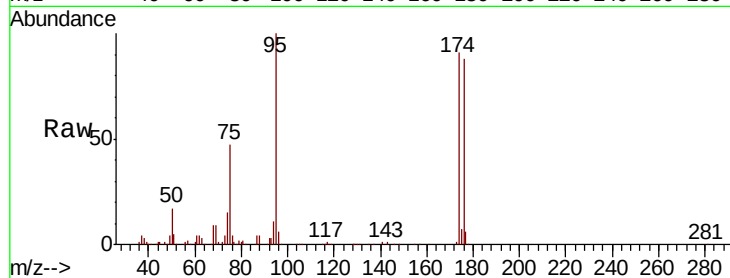
ClientSampleId :

Tot Ion: 75 Resp: 101083

Ion Ratio Lower Upper

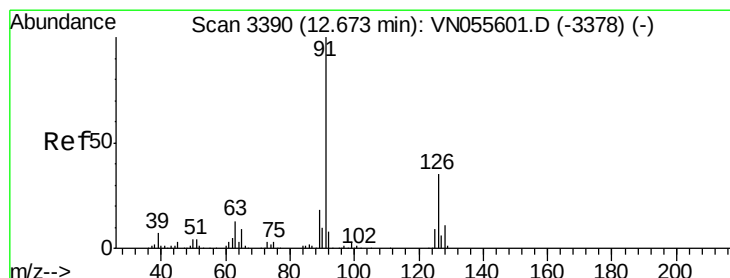
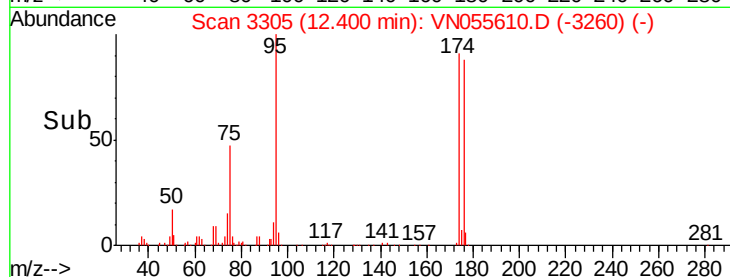
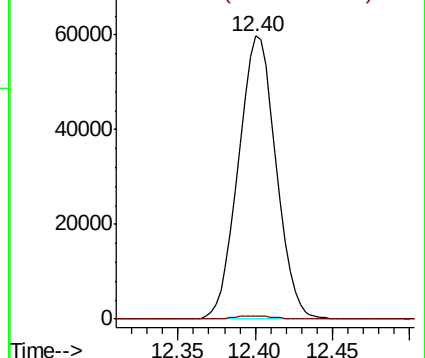
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055610.D

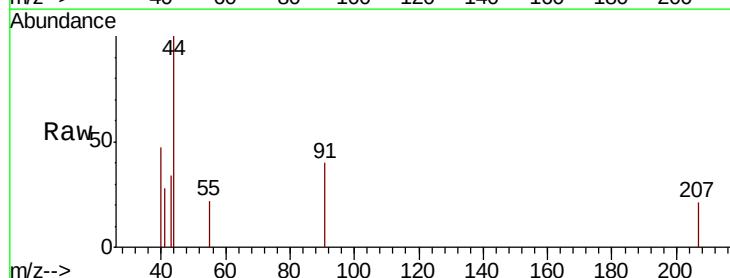
Acq: 17 May 2019 15:11

Tgt Ion: 91 Resp: 492

Ion Ratio Lower Upper

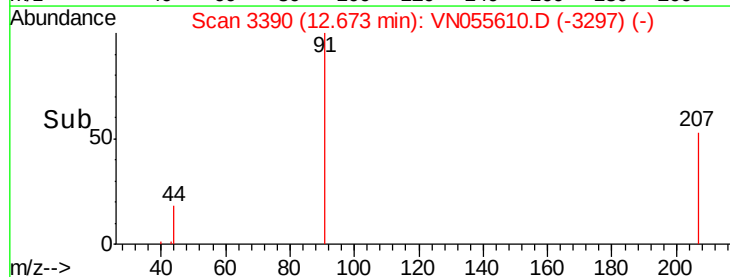
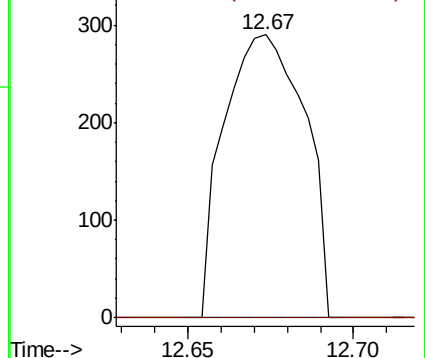
91 100

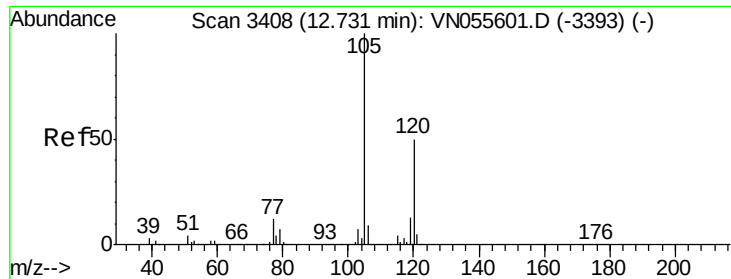
126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

Instrument :

MSVOA_N

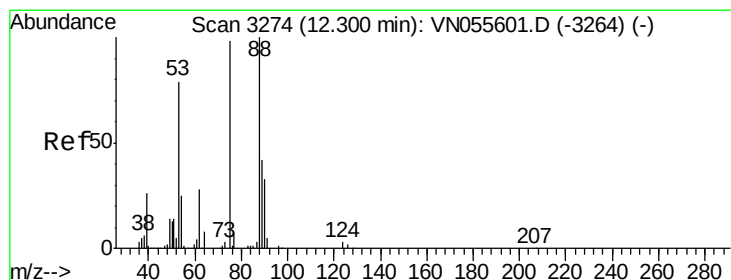
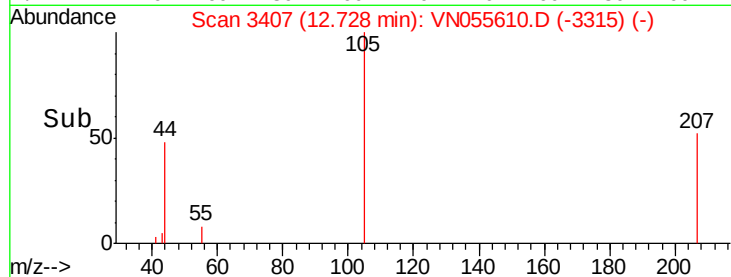
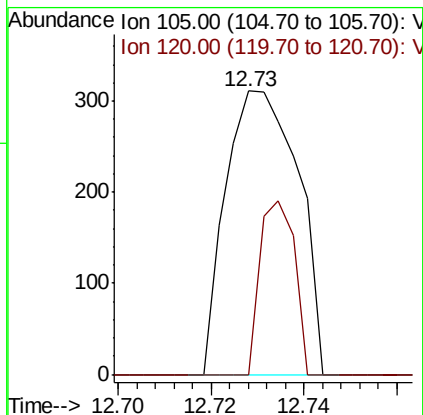
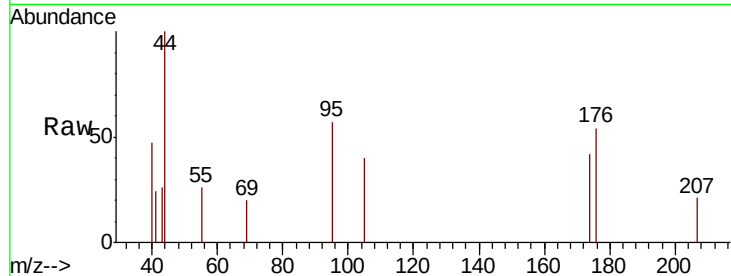
ClientSampleId :

Tot Ion:105 Resp: 337

Ion Ratio Lower Upper

105 100

120 29.7 24.6 74.0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.469 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

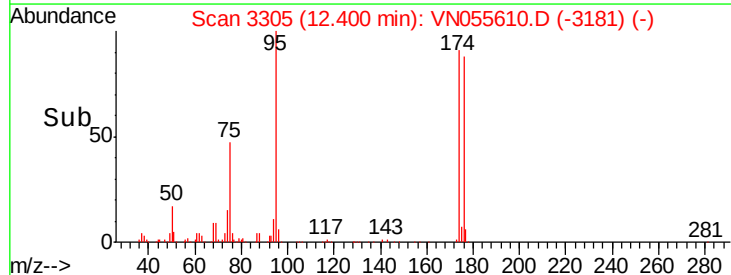
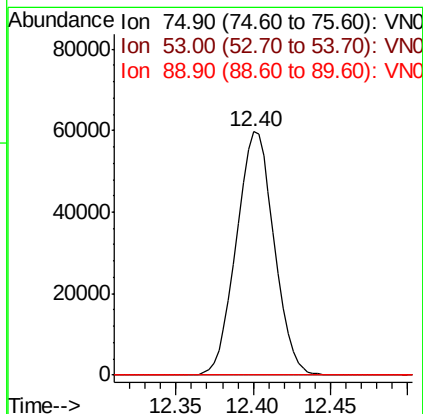
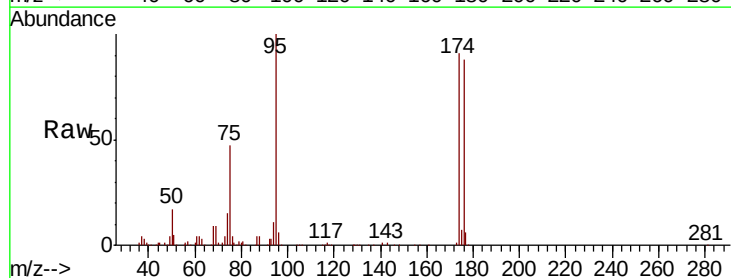
Tgt Ion: 75 Resp: 101083

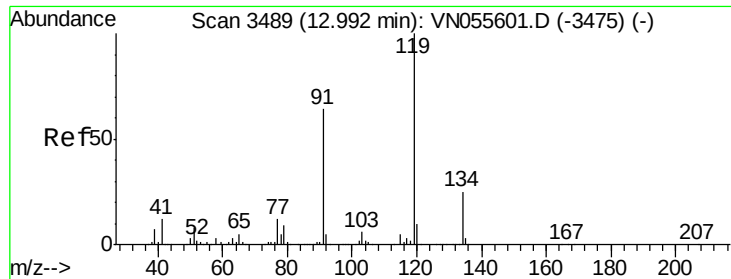
Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.0 36.4 54.6#

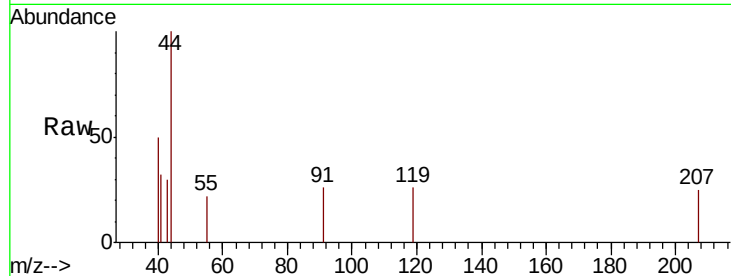




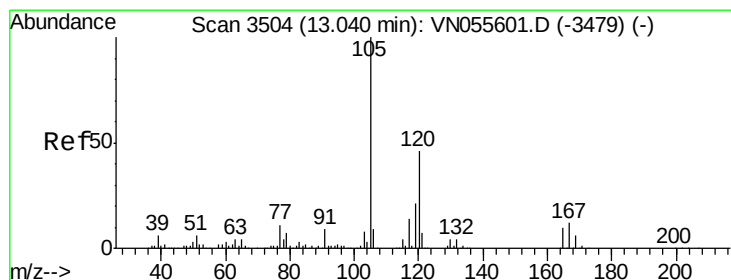
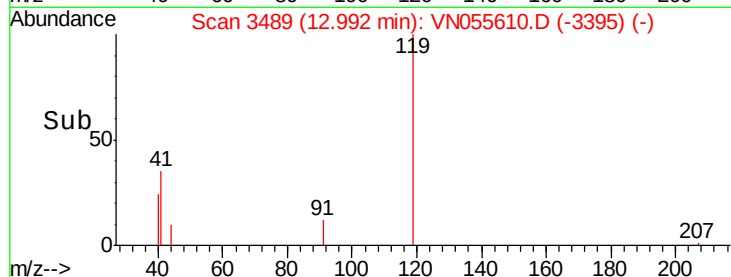
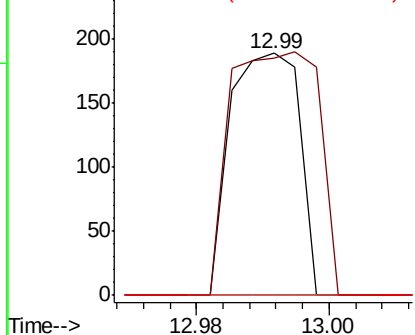
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 137
 Ion Ratio Lower Upper
 119 100
 91 128.5 31.3 93.8#
 134 0.0 13.2 39.6#

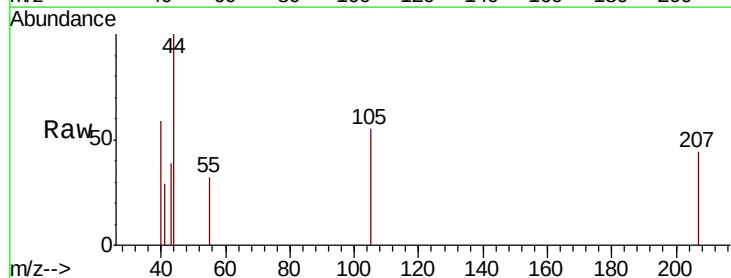


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

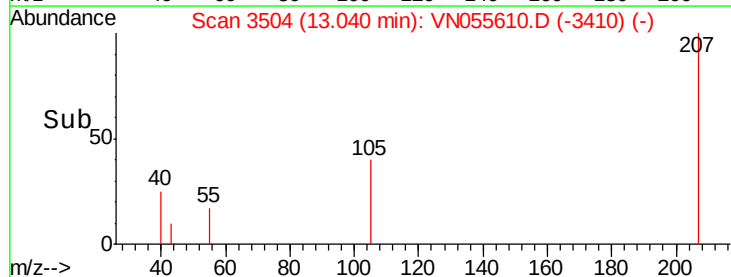
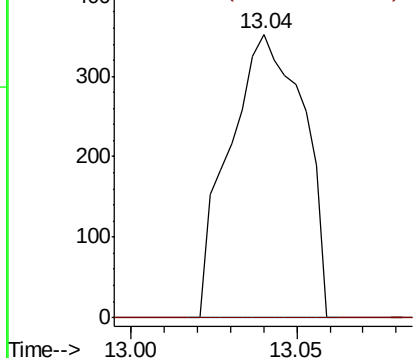


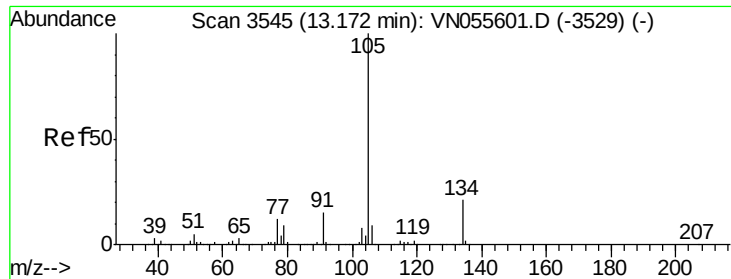
#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055610.D
 Acq: 17 May 2019 15:11

Tgt Ion:105 Resp: 549
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.1 69.2#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

Instrument :

MSVOA_N

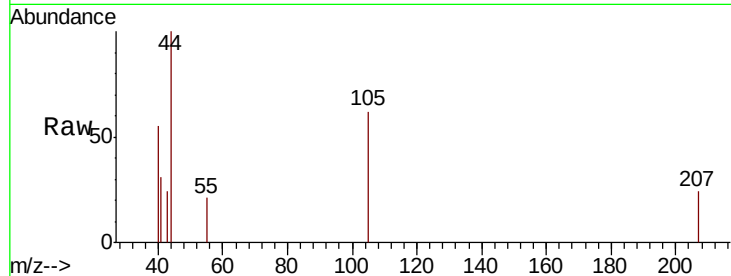
ClientSampled :

Tot Ion:105 Resp: 655

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400

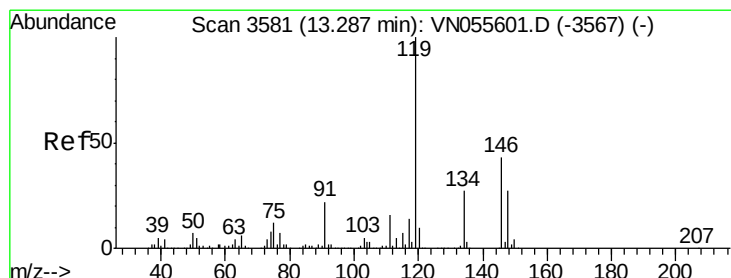
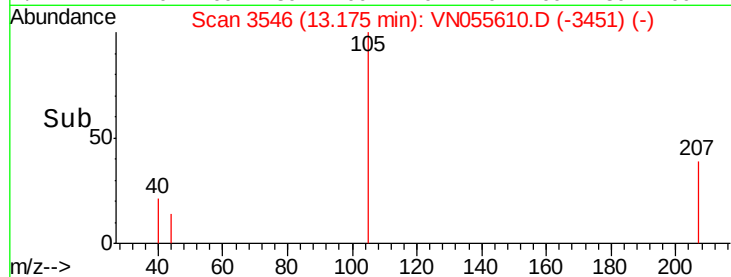
300

200

100

0

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

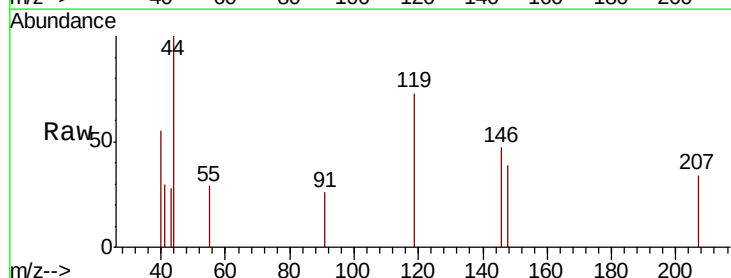
Tgt Ion:119 Resp: 660

Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 9.8 11.0 33.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

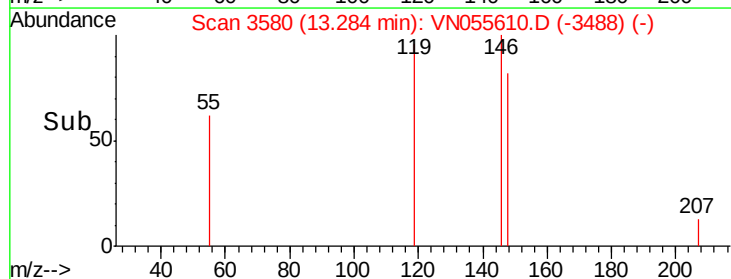
600

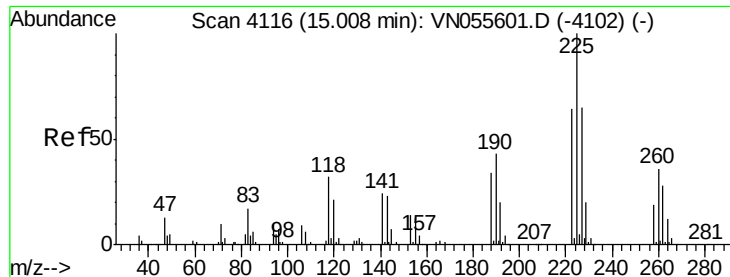
400

200

0

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

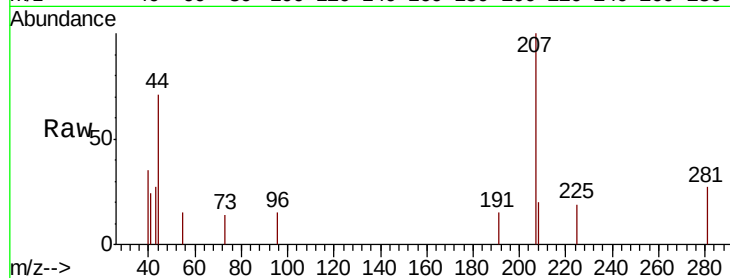
Tot Ion:225 Resp: 107

Ion Ratio Lower Upper

225 100

223 0.0 31.6 94.7#

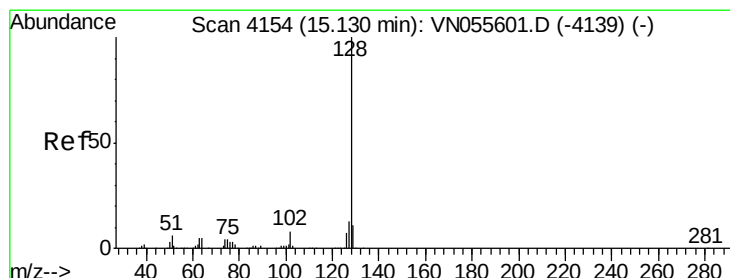
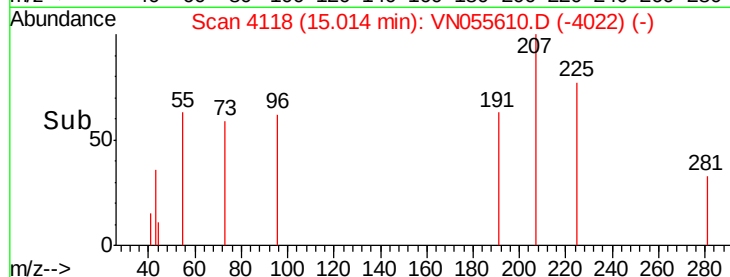
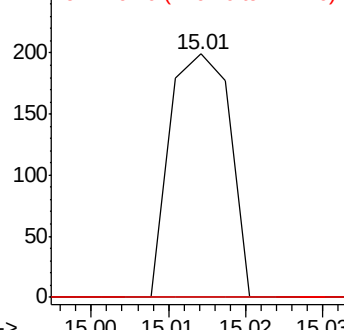
227 0.0 32.4 97.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055610.D

Acq: 17 May 2019 15:11

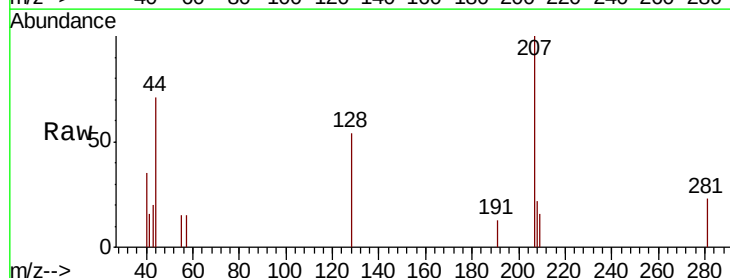
Tgt Ion:128 Resp: 1099

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#



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

