

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055639.D
 Acq On : 18 May 2019 3:46
 Operator : JC/SP
 Sample : K2903-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:32:31 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	389231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	547352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	177771	41.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.32%	
35) Dibromofluoromethane	7.59	113	166508	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.09	98	628663	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.40	95	200768	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

					Qvalue	
3) Chloromethane	2.06	50	939	0.235	ug/l #	81
4) Vinyl Chloride	2.18	62	1335	0.309	ug/l	91
11) Tert butyl alcohol	4.77	59	799	1.004	ug/l #	74
13) Acrolein	3.63	56	321	2.149	ug/l #	1
16) Acetone	3.82	43	3964	2.277	ug/l	92
17) Carbon Disulfide	4.06	76	3214	0.325	ug/l #	75
27) cis-1,2-Dichloroethene	6.84	96	1058	0.240	ug/l	34
31) Cyclohexane	7.67	56	8449	1.335	ug/l #	14
36) 1,1-Dichloropropene	7.67	75	23626	4.841	ug/l #	48
38) Carbon Tetrachloride	7.67	117	32145	6.164	ug/l #	16
39) Methylcyclohexane	9.08	83	2251	0.383	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	996	0.222	ug/l	94
59) 2-Hexanone	10.76	43	2044	0.646	ug/l	90
60) Dibromochloromethane	10.63	129	965	0.230	ug/l #	11
64) Tetrachloroethene	10.63	164	1070	0.298	ug/l	89
68) m/p-Xylenes	11.62	106	1354	0.219	ug/l	98
71) Bromoform	12.40	173	1333	0.425	ug/l #	1
73) Isopropylbenzene	12.25	105	5527	Below Cal		99
74) N-amyl acetate	12.07	43	1616	0.315	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.51	83	106	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	91850	24.674	ug/l #	100
78) n-propylbenzene	12.59	91	4126	0.255	ug/l	95
79) 2-Chlorotoluene	12.68	91	1367	Below Cal		94
80) 1,3,5-Trimethylbenzene	12.73	105	1642	Below Cal		91
81) trans-1,4-Dichloro-2-buten	12.40	75	91850	63.427	ug/l #	17
82) 4-Chlorotoluene	12.78	91	1959	0.205	ug/l	87
83) tert-Butylbenzene	12.99	119	16204	Below Cal		97
84) 1,2,4-Trimethylbenzene	13.04	105	1902	Below Cal		89
85) sec-Butylbenzene	13.17	105	7048	Below Cal	#	1
86) p-Isopropyltoluene	13.29	119	2549	Below Cal		97
87) 1,3-Dichlorobenzene	13.28	146	1430	0.231	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	1430	0.242	ug/l	96
89) n-Butylbenzene	13.61	91	6333	0.633	ug/l #	49
90) Hexachloroethane	13.95	117	9552	2.344	ug/l #	3

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Quant Time: May 18 04:32:31 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

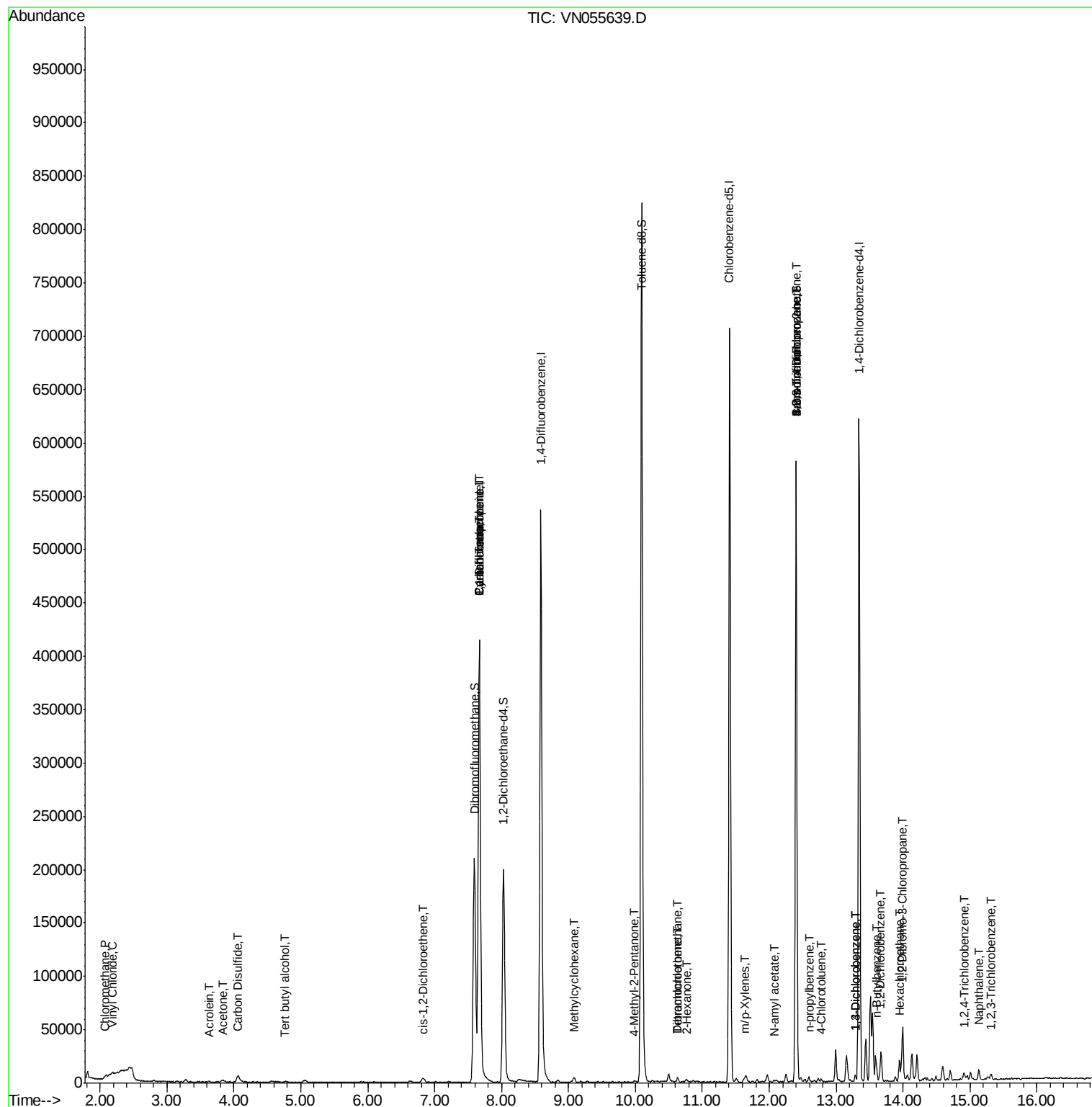
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	3307	0.536	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.99	75	234	0.283	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1950	0.620	ug/l #	81
94) Hexachlorobutadiene	15.01	225	1311	Below Cal		91
95) Naphthalene	15.13	128	9336	2.714	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2596	0.790	ug/l	93

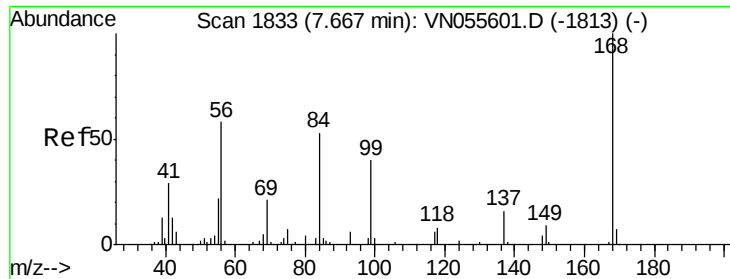
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051719\
Data File : VN055639.D
Acq On : 18 May 2019 3:46
Operator : JC/SP
Sample : K2903-01
Misc : 5.00mL/MSVOA N/WATER
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

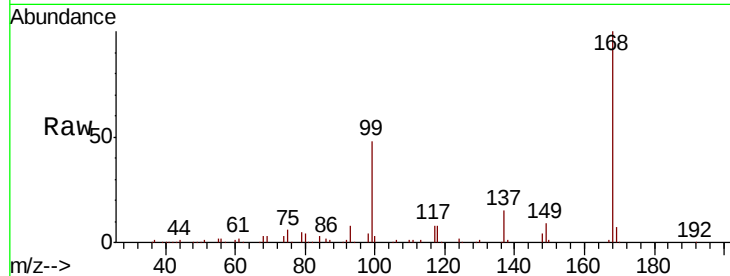
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 389231

Ion Ratio Lower Upper

168 100

99 48.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

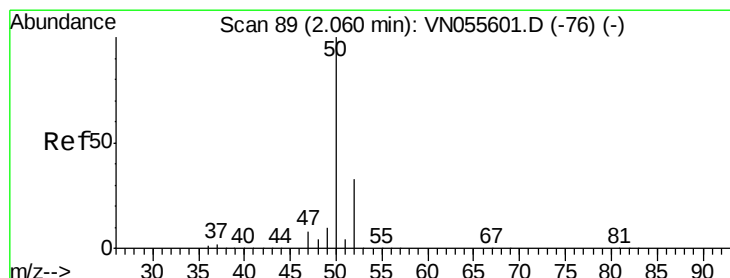
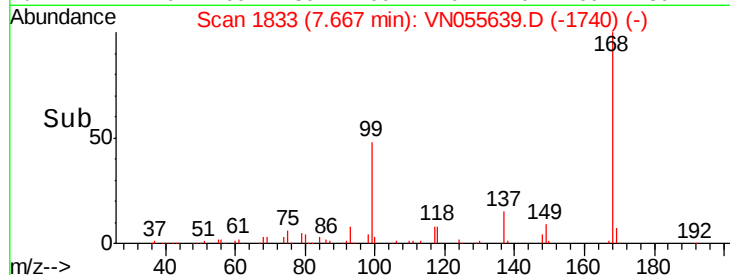
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055639.D

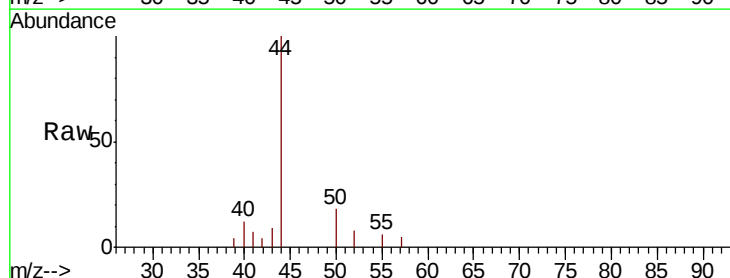
Acq: 18 May 2019 3:46

Tgt Ion: 50 Resp: 939

Ion Ratio Lower Upper

50 100

52 44.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

600

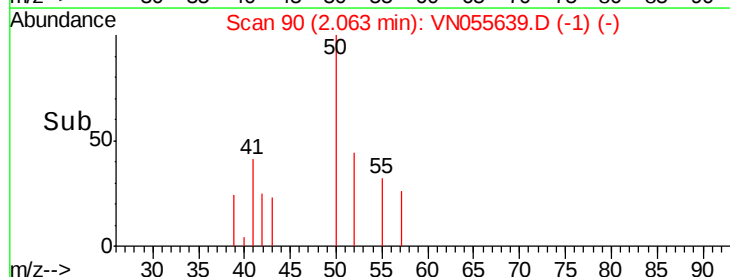
400

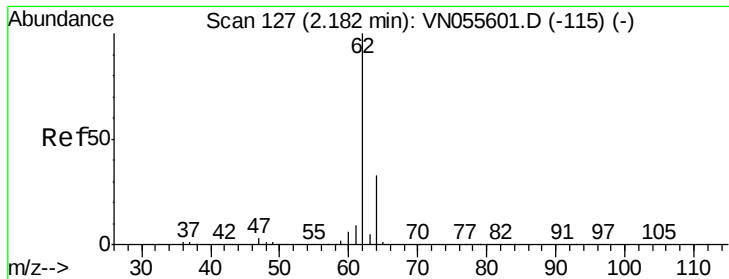
200

0

2.02 2.04 2.06 2.08

Time-->





#4

Vinyl Chloride

Concen: 0.309 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

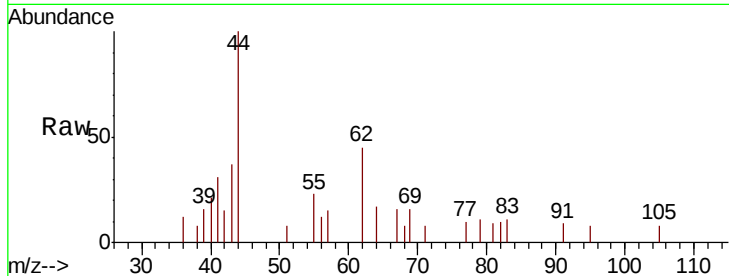
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 62 Resp: 1335

Ion Ratio Lower Upper

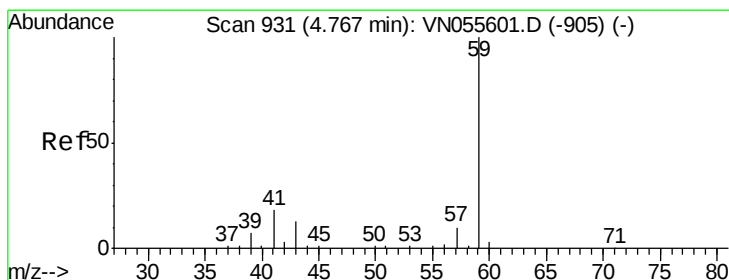
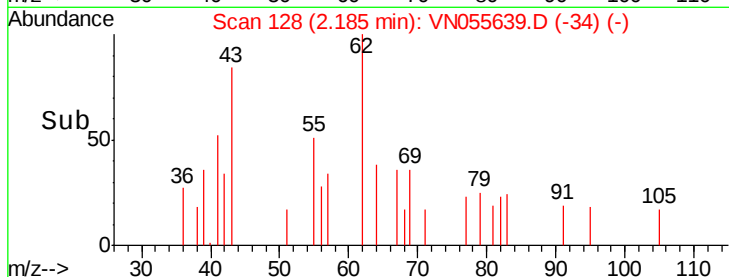
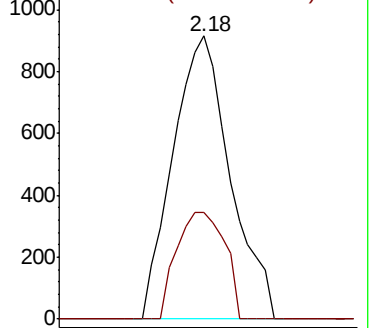
62 100

64 38.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN055639.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055639.D (-115) (-)



#11

Tert butyl alcohol

Concen: 1.004 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.00 min

Lab File: VN055639.D

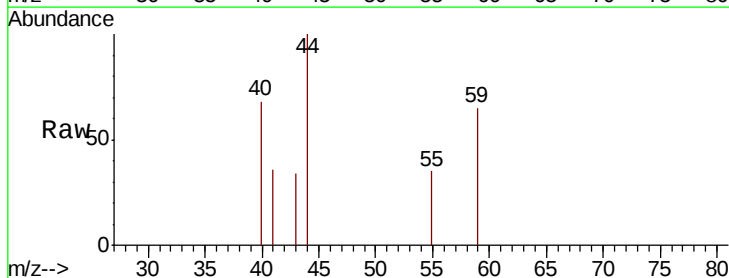
Acq: 18 May 2019 3:46

Tgt Ion: 59 Resp: 799

Ion Ratio Lower Upper

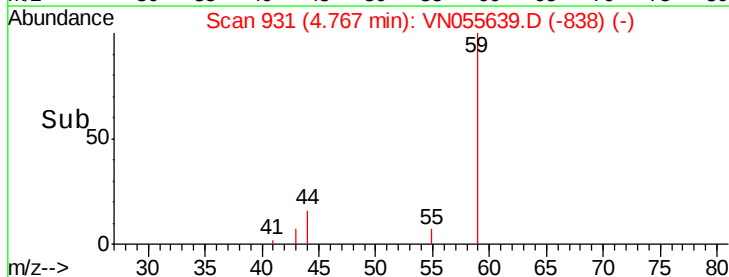
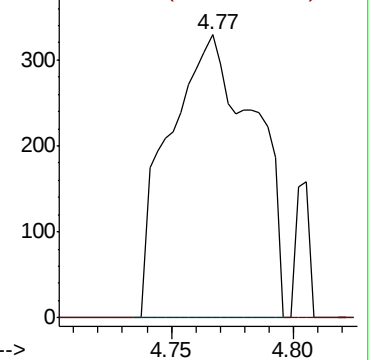
59 100

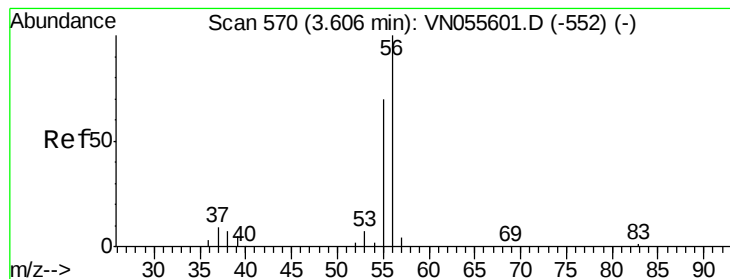
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055639.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN055639.D (-905) (-)





#13

Acrolein

Concen: 2.149 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

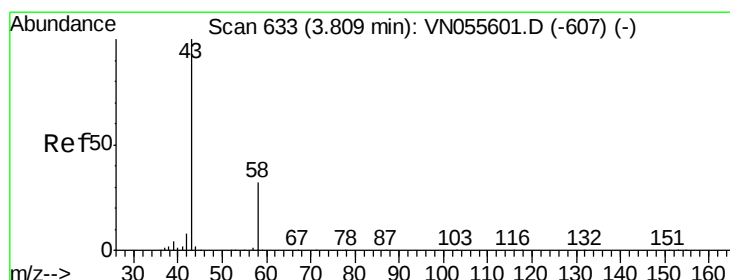
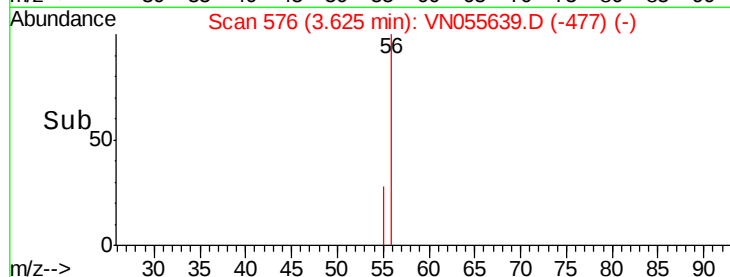
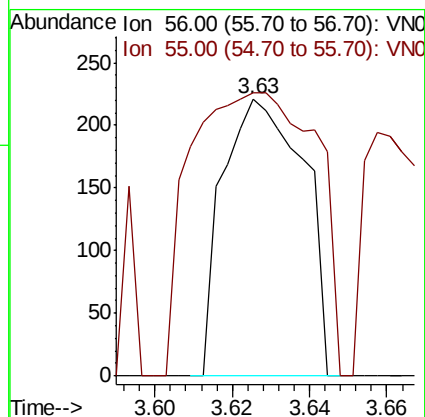
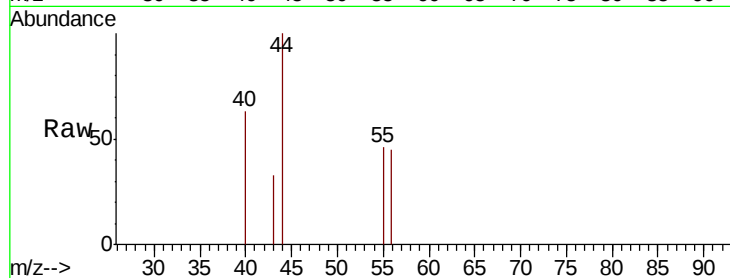
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 158.3 56.5 84.7#



#16

Acetone

Concen: 2.277 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN055639.D

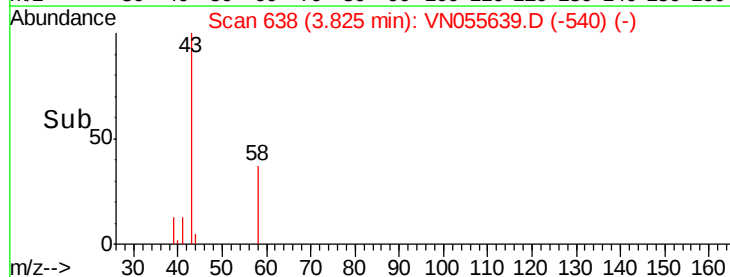
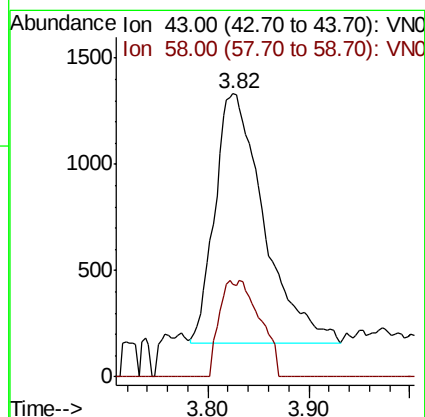
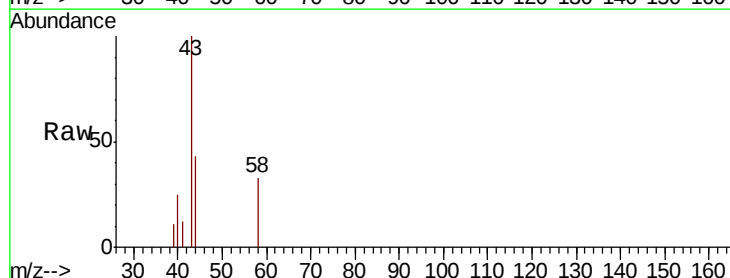
Acq: 18 May 2019 3:46

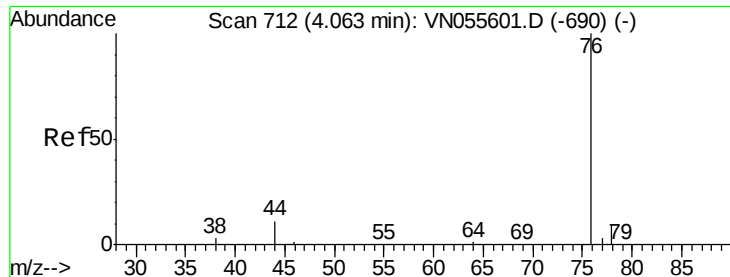
Tgt Ion: 43 Resp: 3964

Ion Ratio Lower Upper

43 100

58 37.2 26.0 39.0





#17

Carbon Disulfide

Concen: 0.325 ug/l

RT: 4.06 min Scan# 712

Delta R.T. -0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

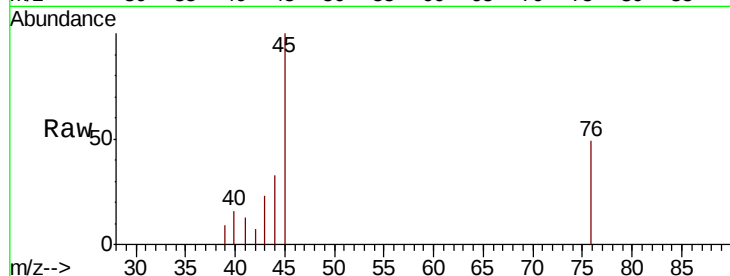
ClientSampled :

Tot Ion: 76 Resp: 3214

Ion Ratio Lower Upper

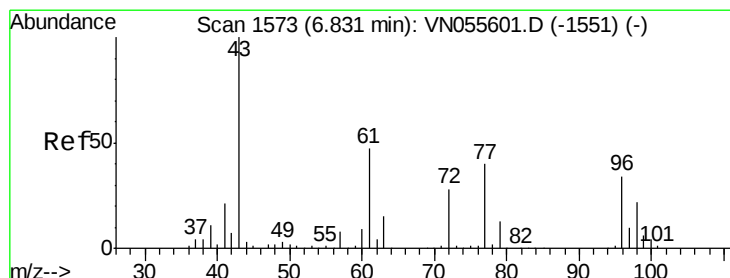
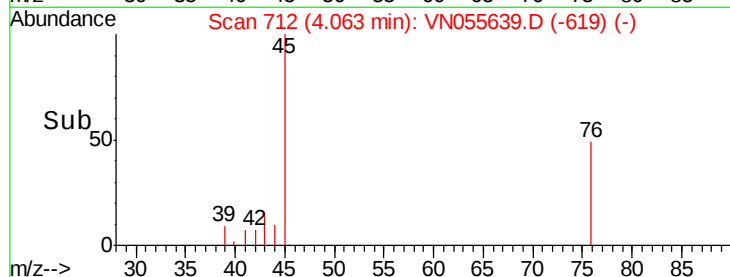
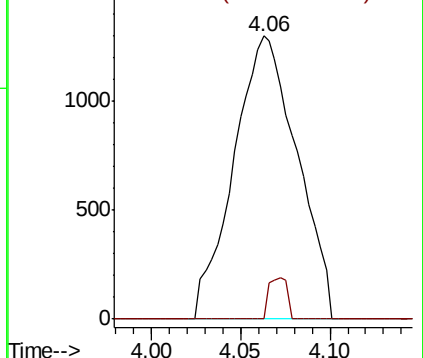
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.240 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

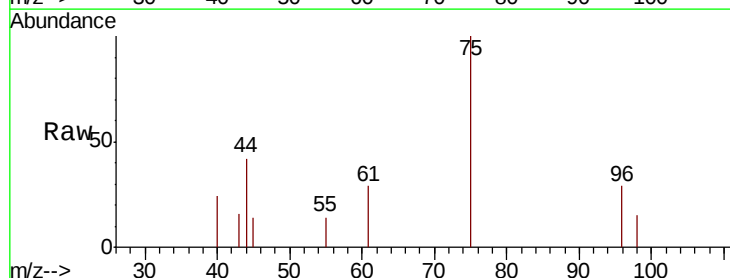
Tgt Ion: 96 Resp: 1058

Ion Ratio Lower Upper

96 100

61 57.5 0.0 279.0

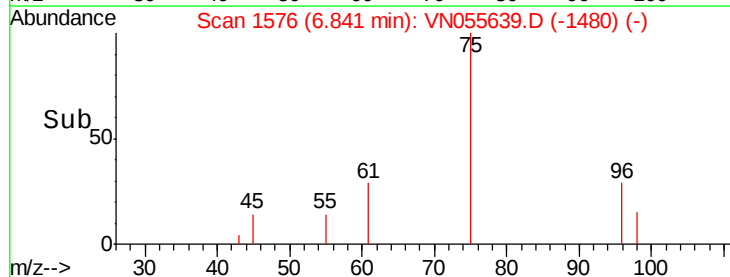
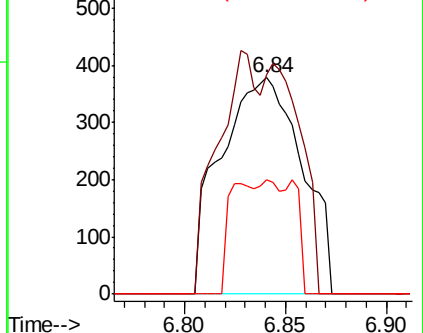
98 16.9 0.0 131.6

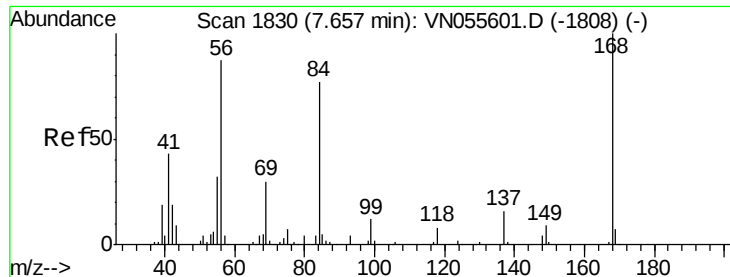


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

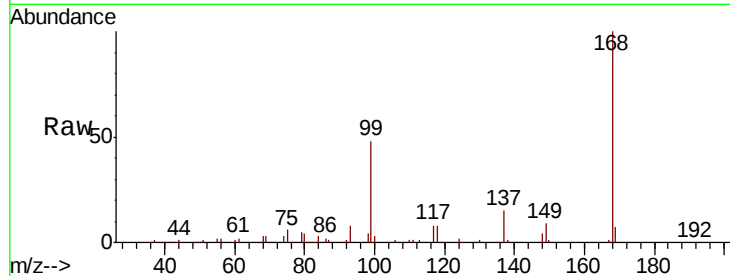




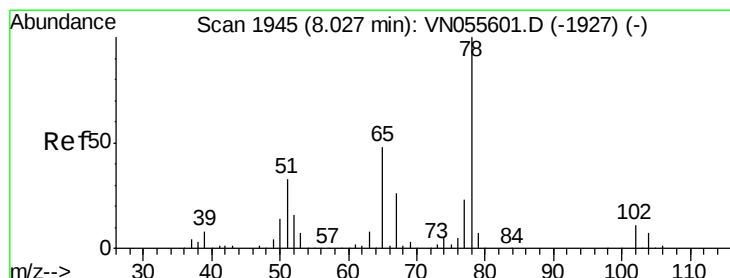
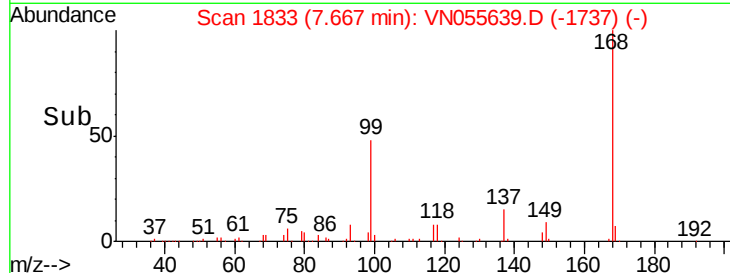
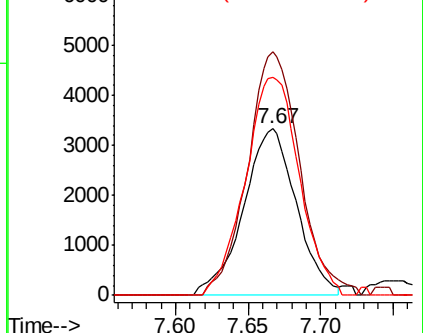
#31
Cyclohexane
Concen: 1.335 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 8449
Ion Ratio Lower Upper
56 100
69 146.0 27.2 40.8#
84 130.4 71.3 106.9#

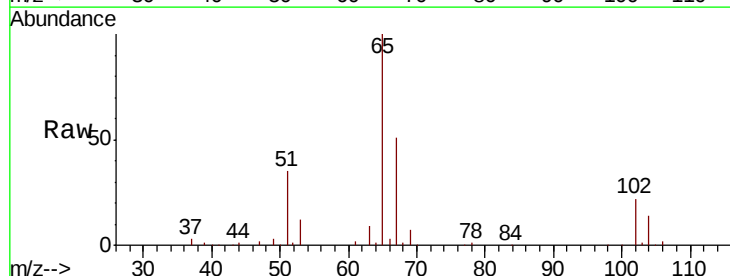


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

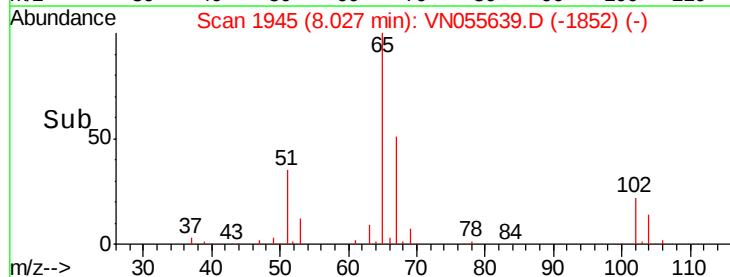
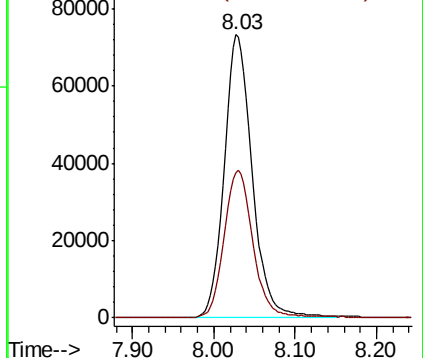


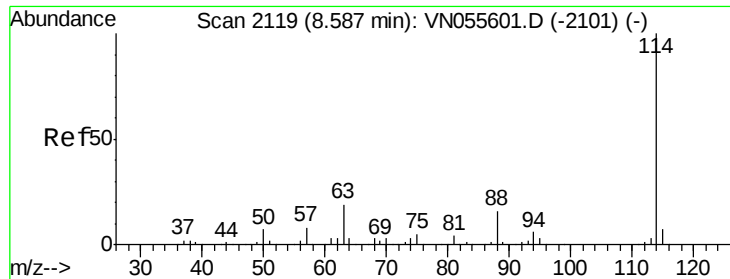
#33
1,2-Dichloroethane-d4
Concen: 41.664 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion: 65 Resp: 177771
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.6



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

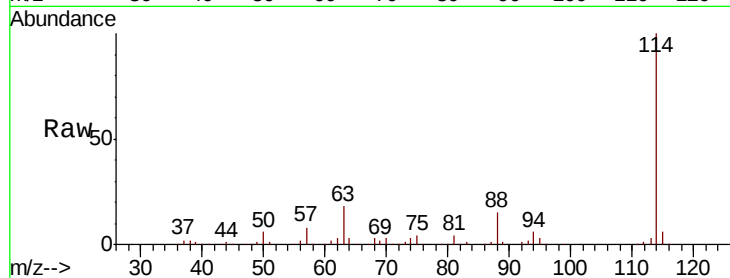




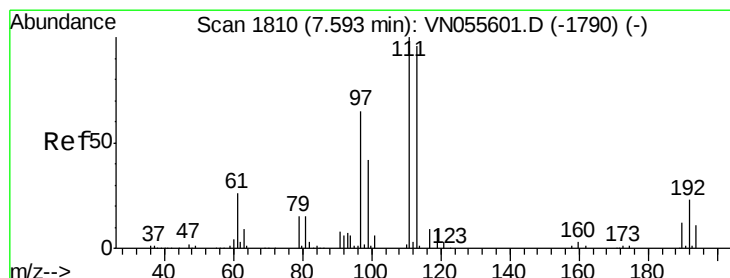
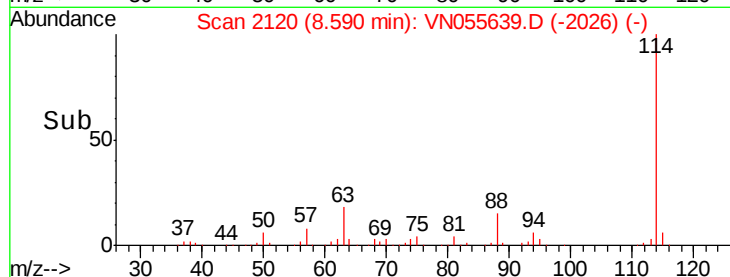
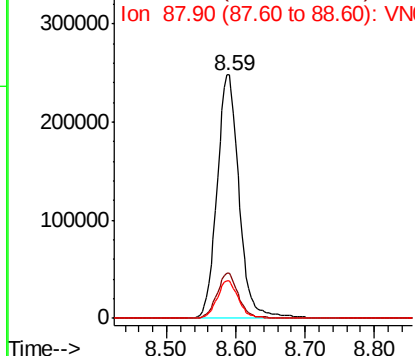
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 547352
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.2
88 15.3 0.0 31.0

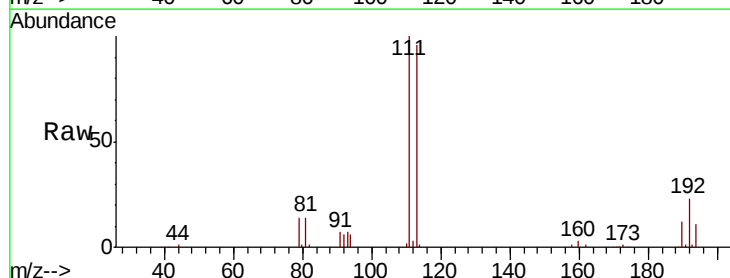


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

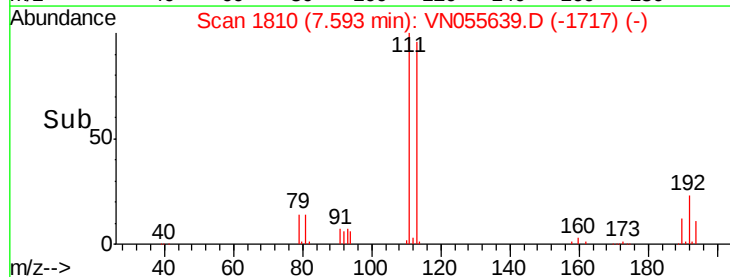
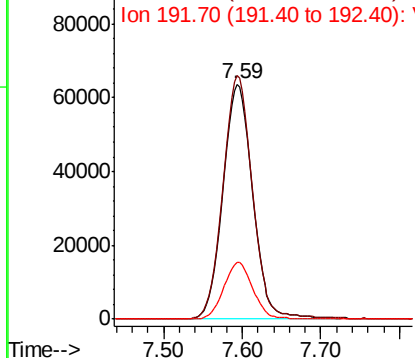


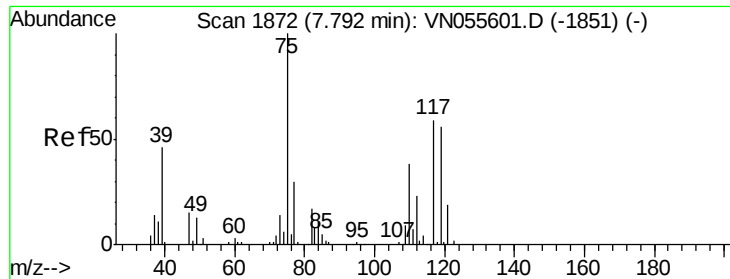
#35
Dibromofluoromethane
Concen: 47.888 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion:113 Resp: 166508
Ion Ratio Lower Upper
113 100
111 103.0 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

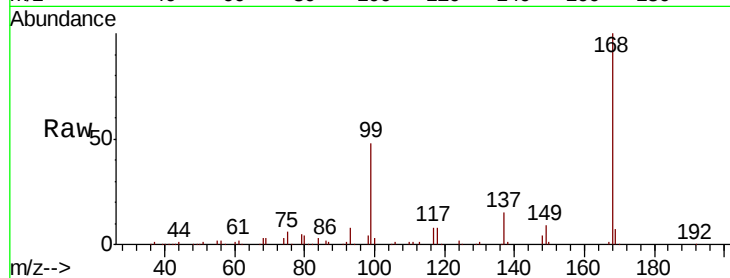




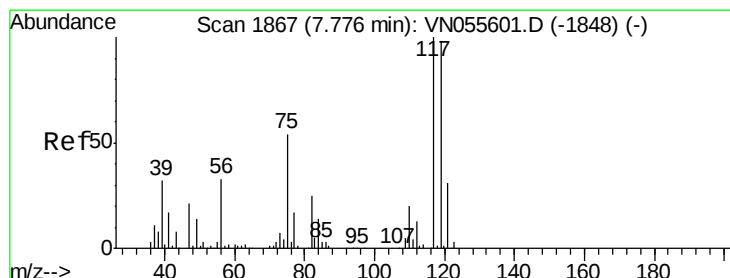
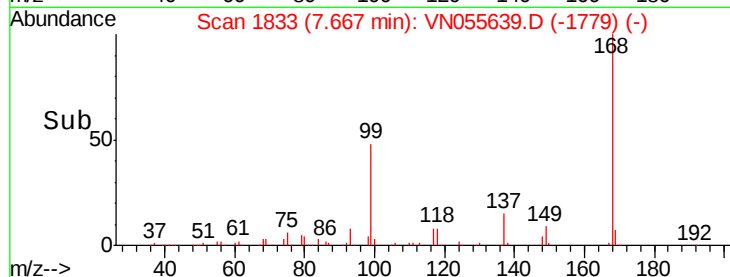
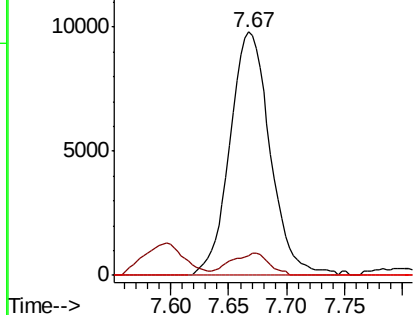
#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055639.D
 Acq: 18 May 2019 3:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.6	55.6#
77	0.0	24.9	37.3#

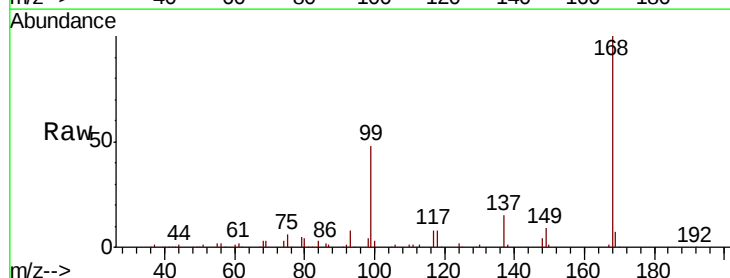


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

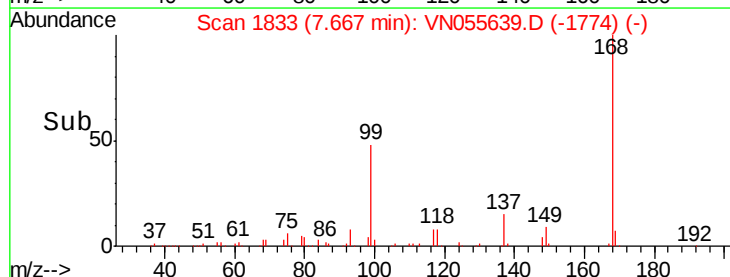
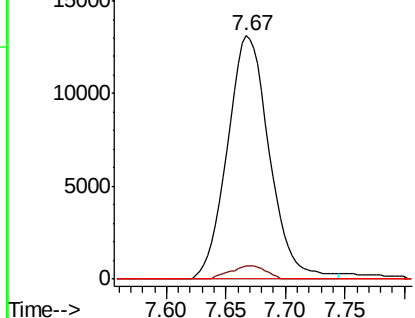


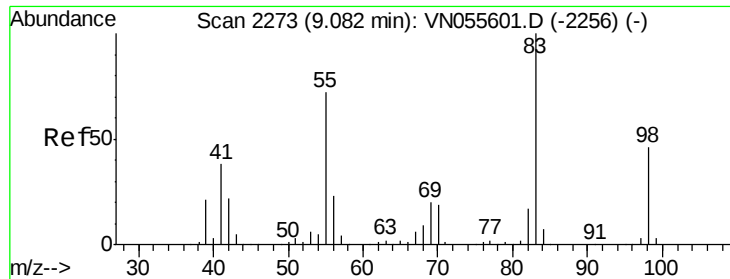
#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055639.D
 Acq: 18 May 2019 3:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.8	116.8#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

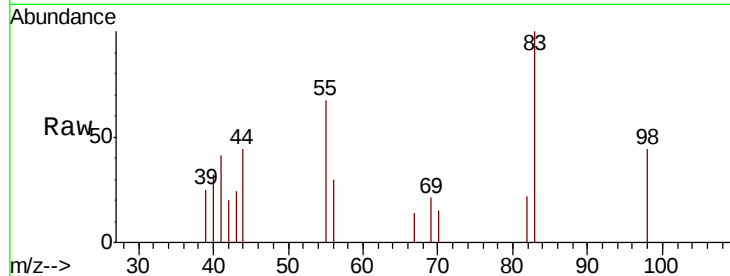




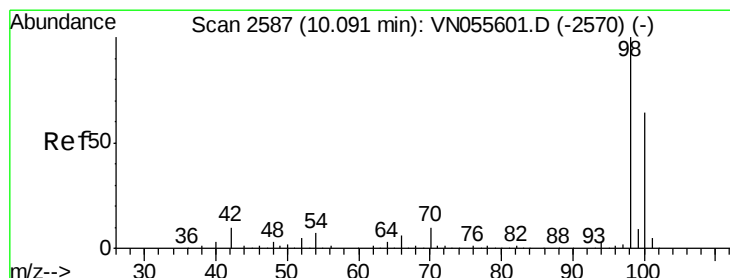
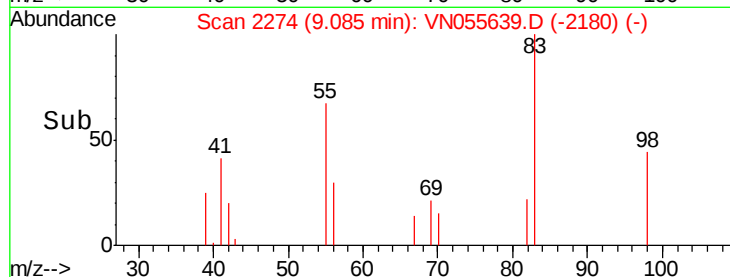
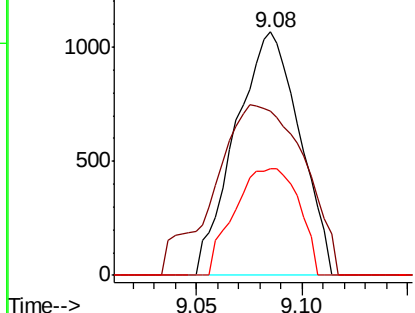
#39
Methvlcvclohexane
Concen: 0.383 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 2251
Ion Ratio Lower Upper
83 100
55 67.4 57.8 86.6
98 43.8 36.7 55.1

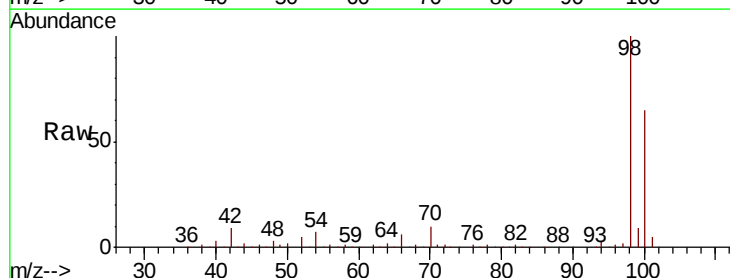


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

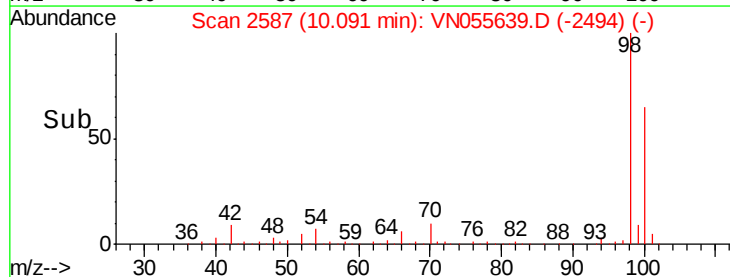
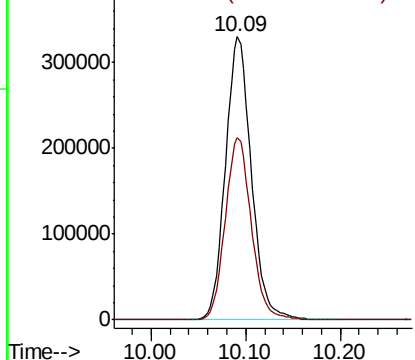


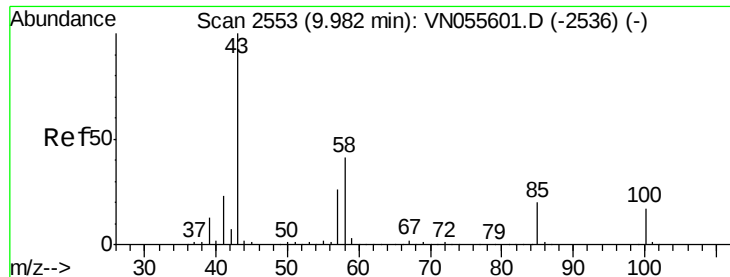
#50
Toluene-d8
Concen: 47.818 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion: 98 Resp: 628663
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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: 0.222 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

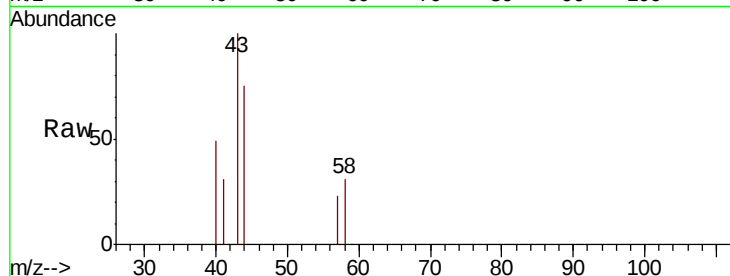
ClientSampled :

Tot Ion: 43 Resp: 996

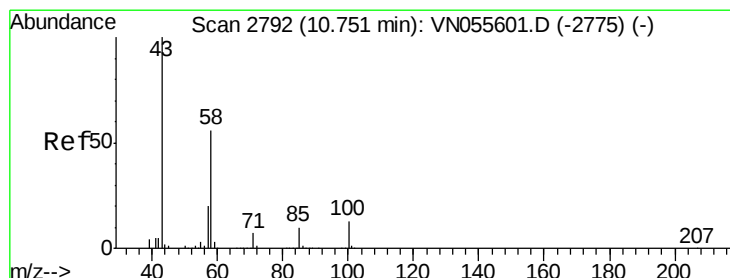
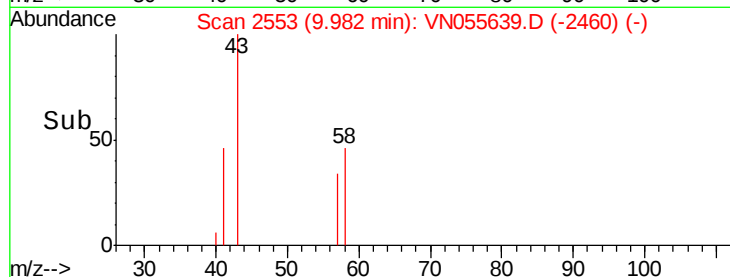
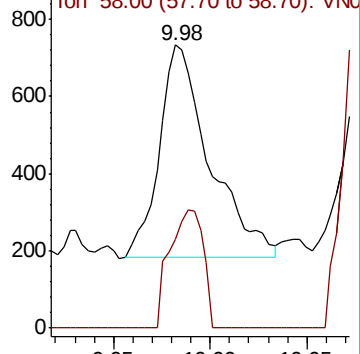
Ion Ratio Lower Upper

43 100

58 37.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055639.D (-2460) (-)



#59

2-Hexanone

Concen: 0.646 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055639.D

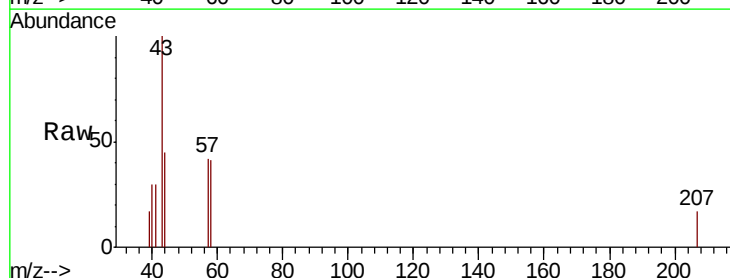
Acq: 18 May 2019 3:46

Tgt Ion: 43 Resp: 2044

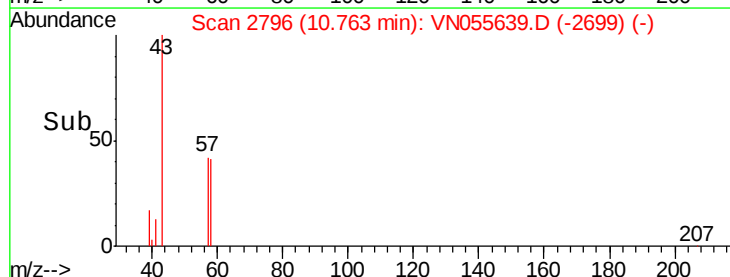
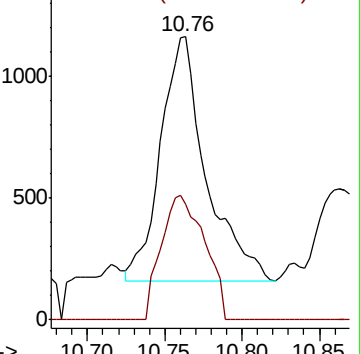
Ion Ratio Lower Upper

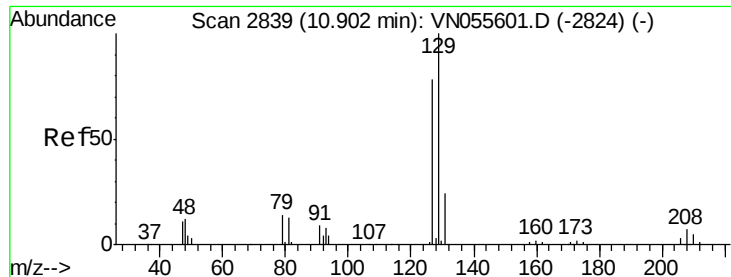
43 100

58 48.9 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VN055639.D (-2699) (-)

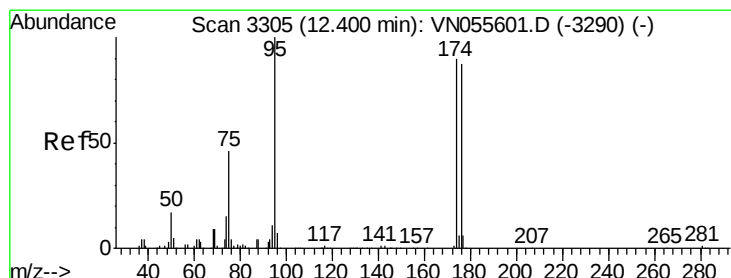
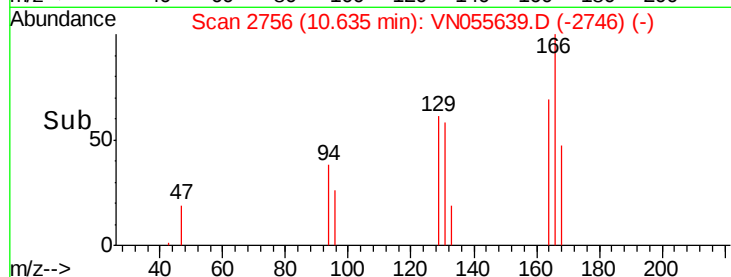
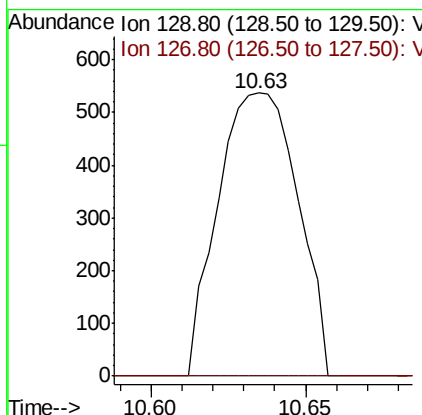
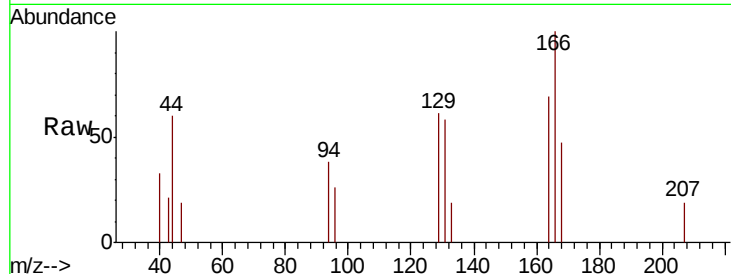




#60
Dibromochloromethane
Concen: 0.230 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

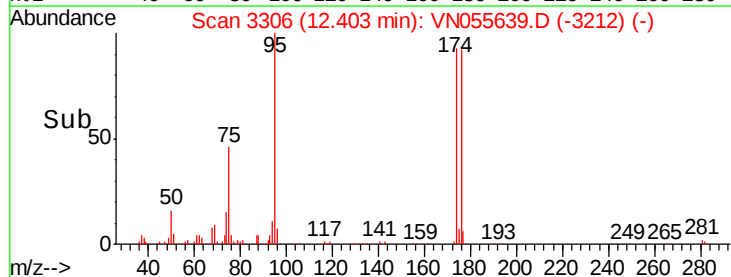
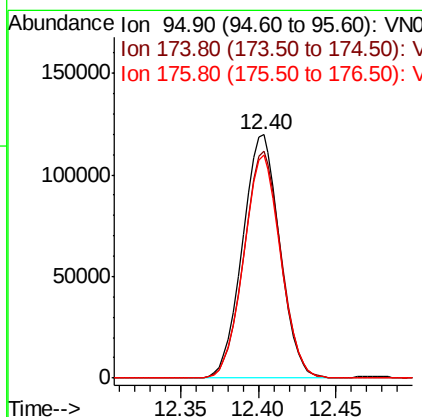
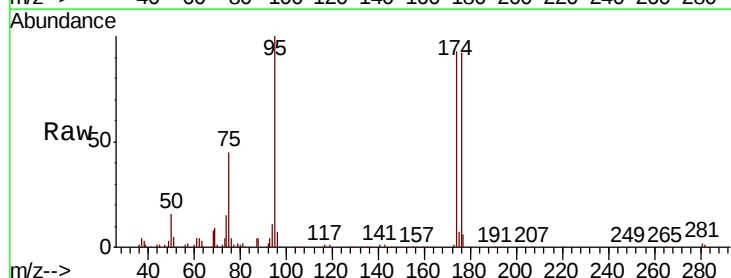
Instrument :
MSVOA_N
ClientSampleId :

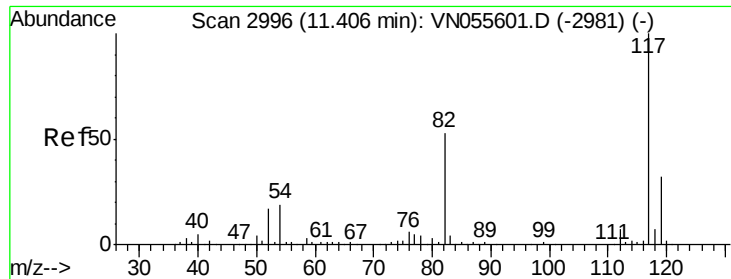
Tot Ion:129 Resp: 965
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 44.223 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion: 95 Resp: 200768
Ion Ratio Lower Upper
95 100
174 92.8 0.0 180.6
176 90.9 0.0 177.4

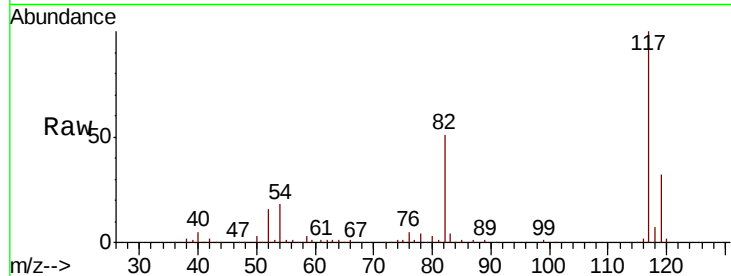




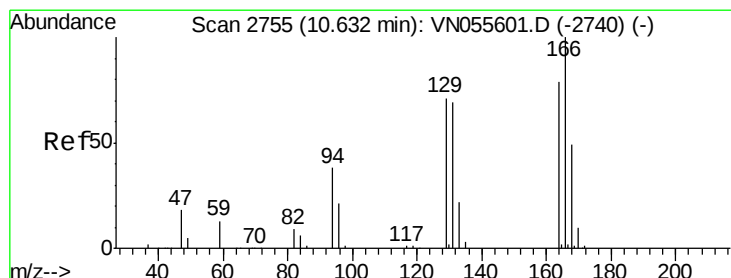
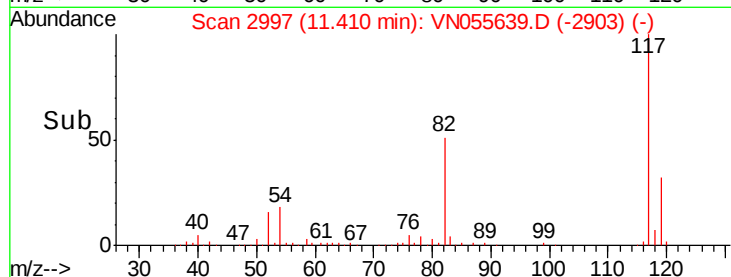
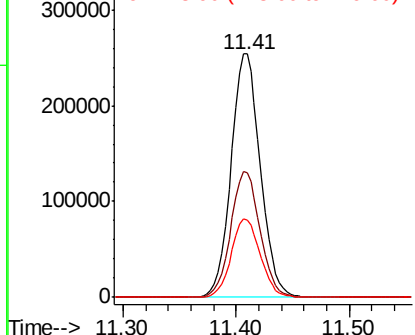
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 455026
Ion Ratio Lower Upper
117 100
82 51.4 42.3 63.5
119 31.9 25.4 38.2

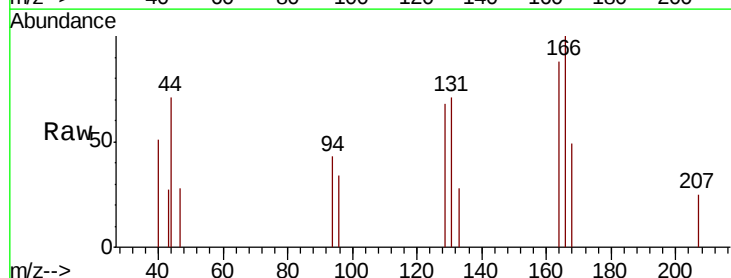


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

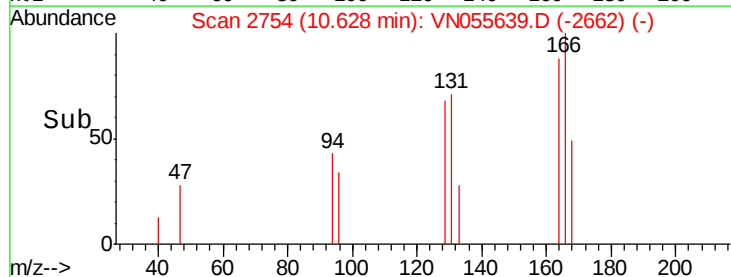
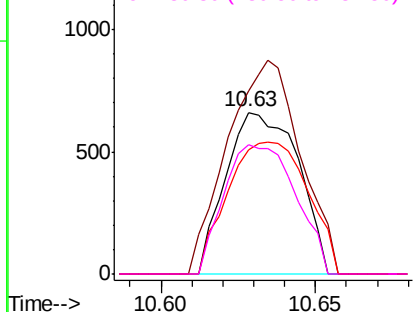


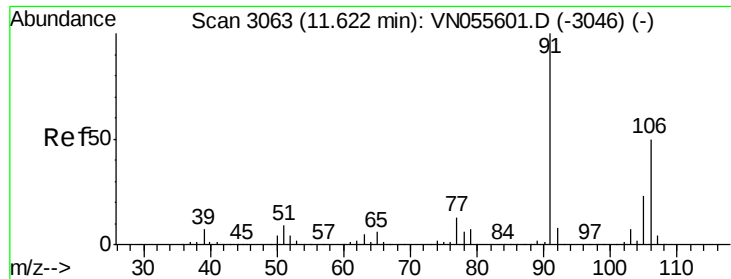
#64
Tetrachloroethene
Concen: 0.298 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion:164 Resp: 1070
Ion Ratio Lower Upper
164 100
166 113.2 101.0 151.6
129 77.0 71.7 107.5
131 79.8 69.6 104.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

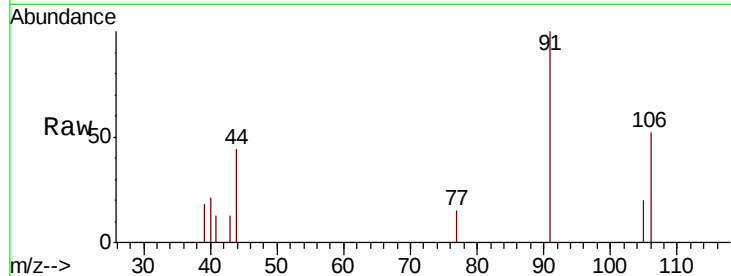




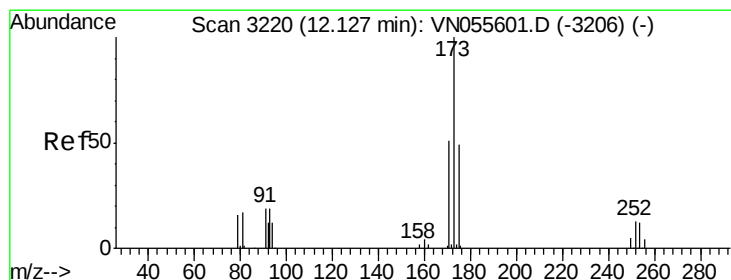
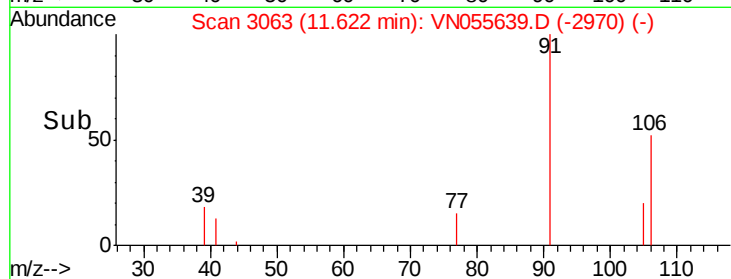
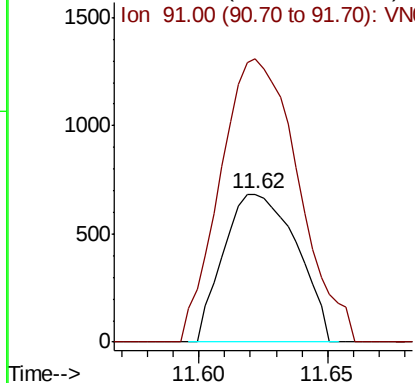
#68
m/p-Xvlenes
Concen: 0.219 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 1354
Ion Ratio Lower Upper
106 100
91 204.1 160.5 240.7

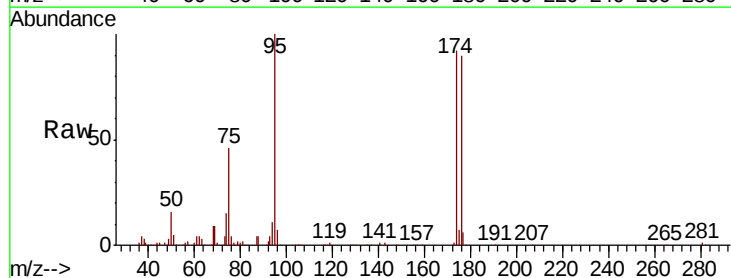


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

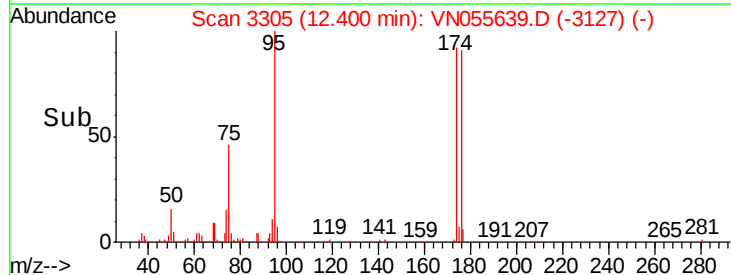
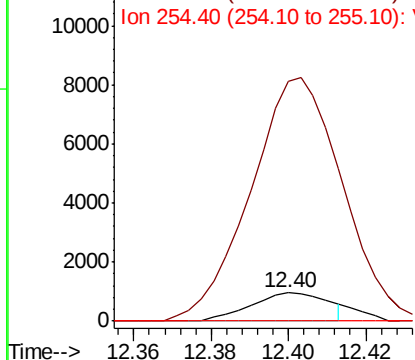


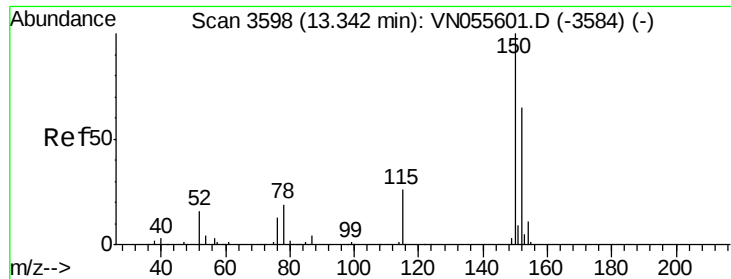
#71
Bromoform
Concen: 0.425 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion:173 Resp: 1333
Ion Ratio Lower Upper
173 100
175 886.3 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



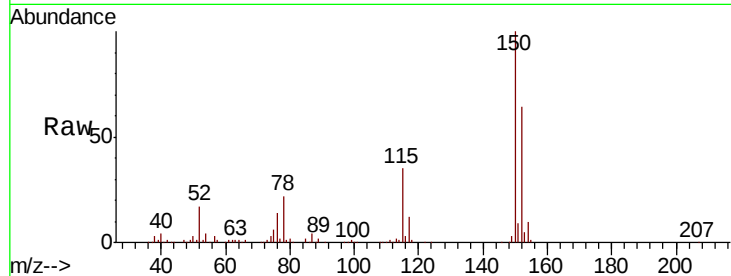


#72

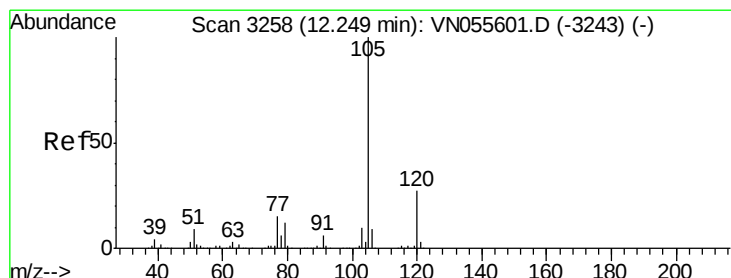
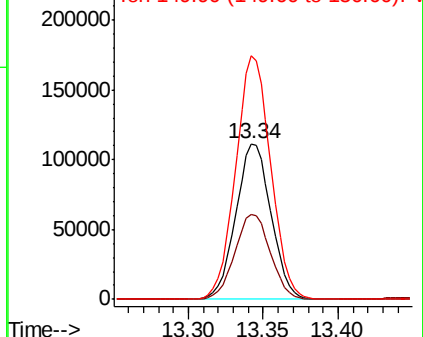
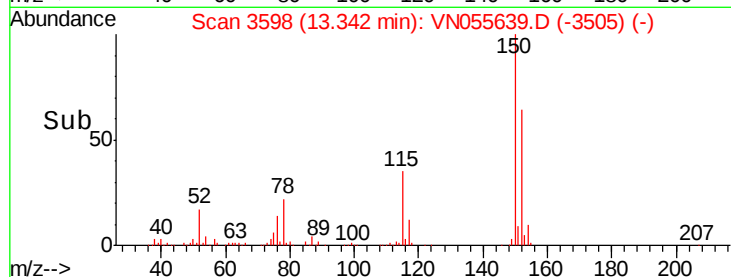
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.1	84.2
150	155.9	0.0	348.0



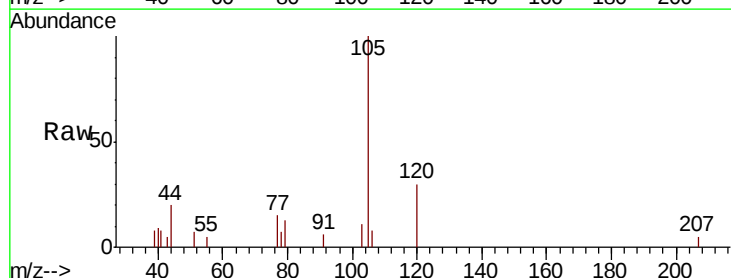
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



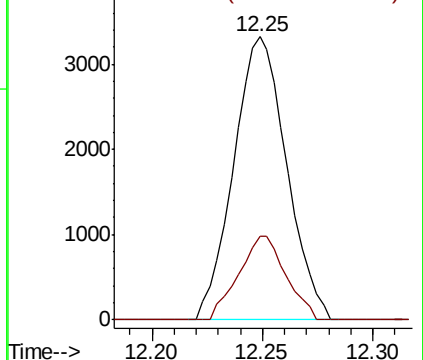
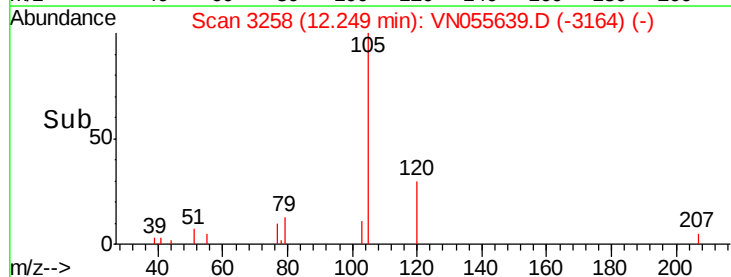
#73

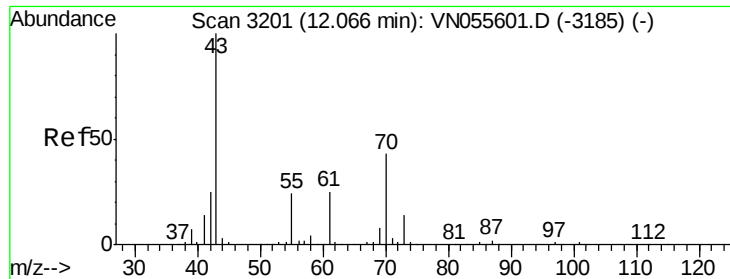
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.2



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





#74

N-amvl acetate

Concen: 0.315 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 1616

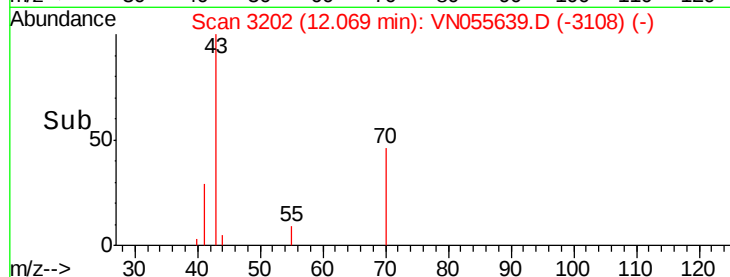
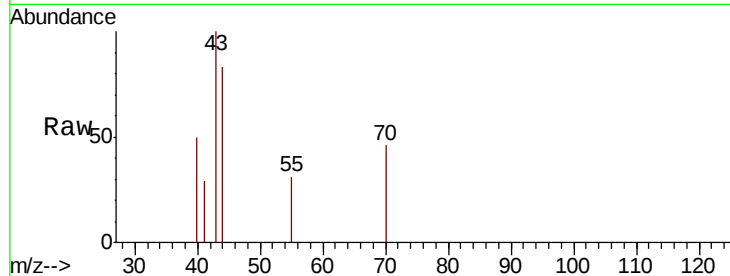
Ion Ratio Lower Upper

43 100

70 27.2 35.0 52.6#

55 15.2 18.9 28.3#

61 0.0 20.1 30.1#

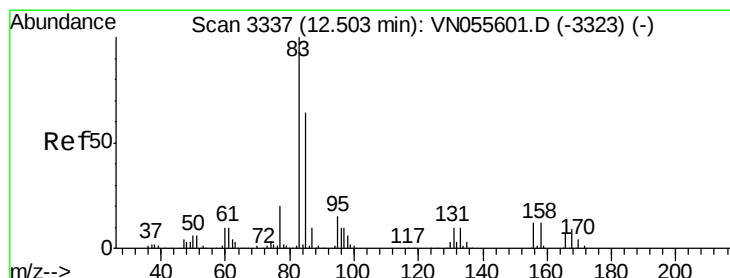
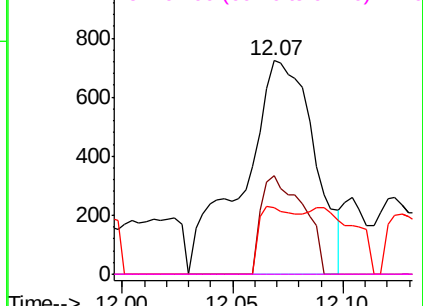


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

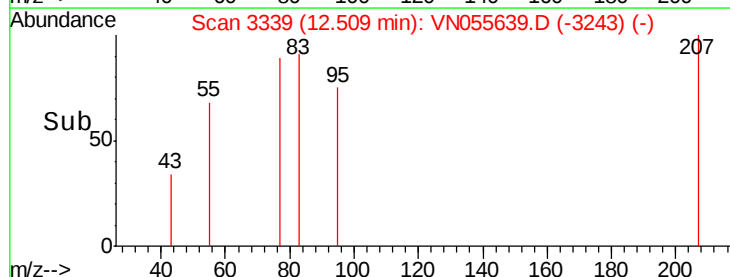
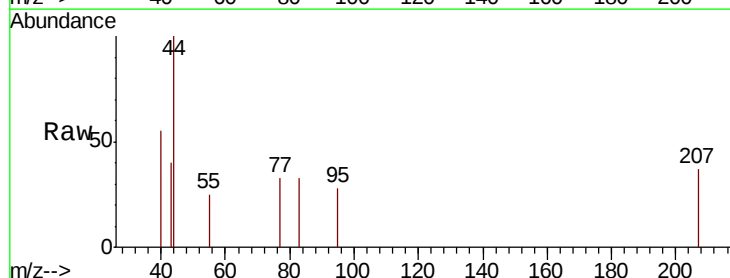
Tgt Ion: 83 Resp: 106

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

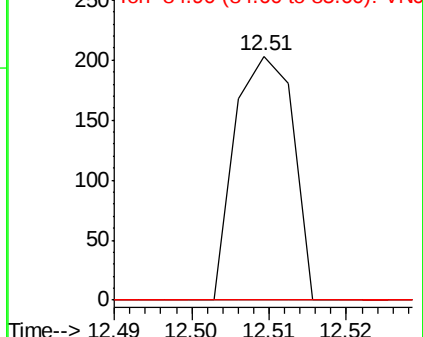
85 0.0 32.0 96.2#

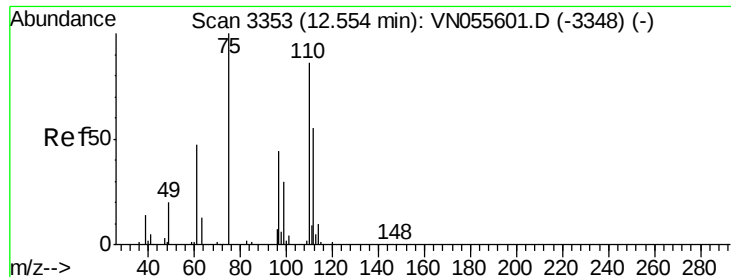


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 24.674 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

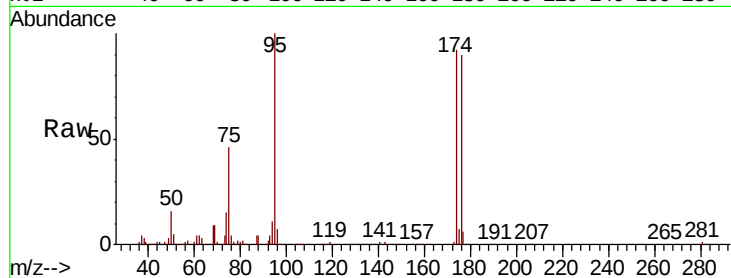
ClientSampleId :

Tot Ion: 75 Resp: 91850

Ion Ratio Lower Upper

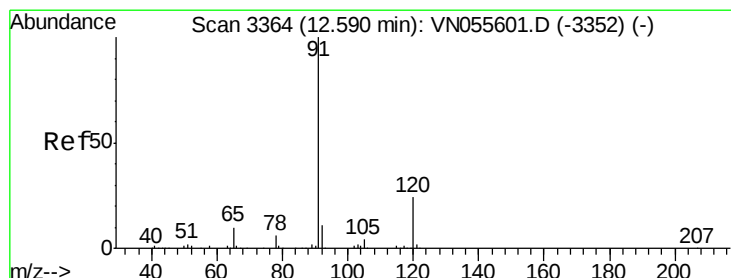
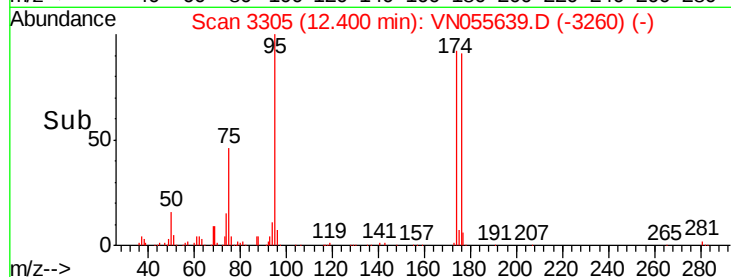
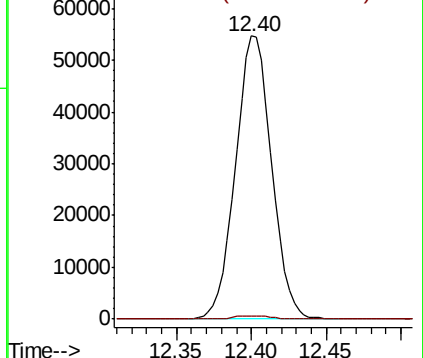
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.255 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055639.D

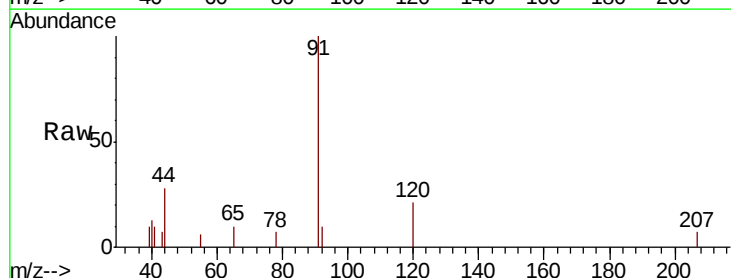
Acq: 18 May 2019 3:46

Tgt Ion: 91 Resp: 4126

Ion Ratio Lower Upper

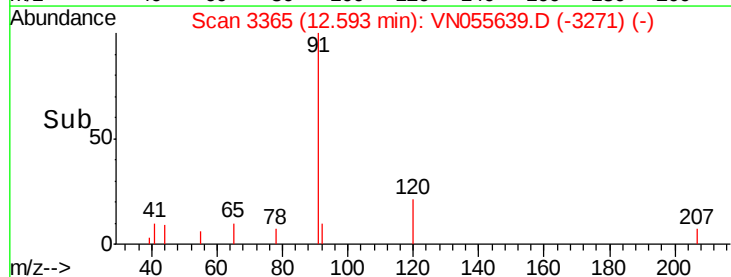
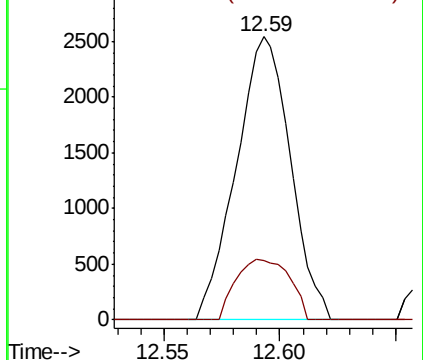
91 100

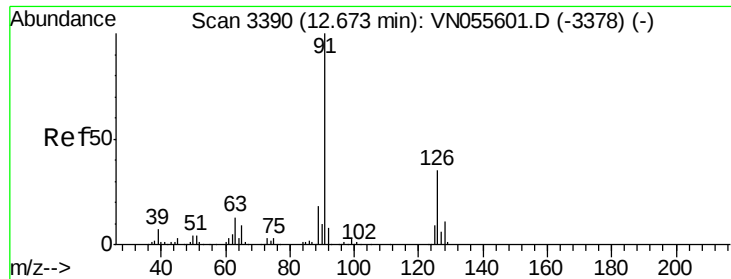
120 21.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

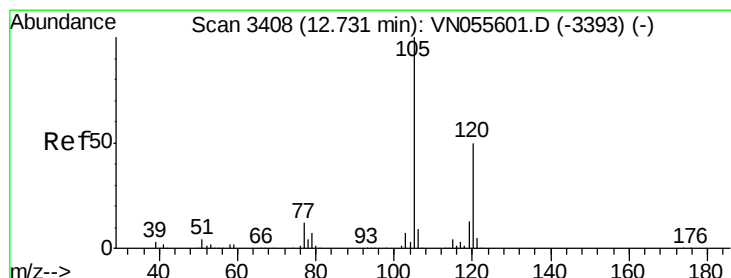
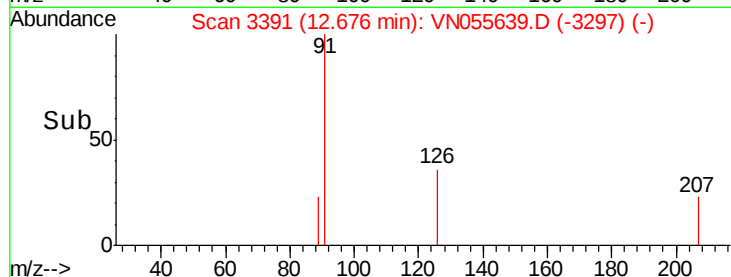
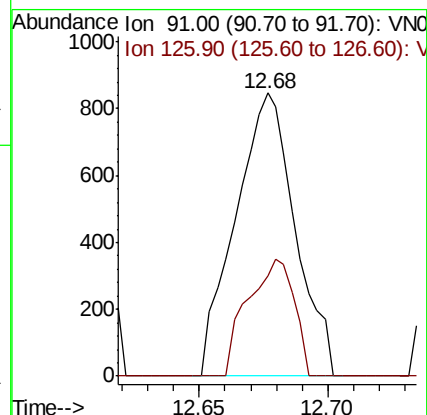
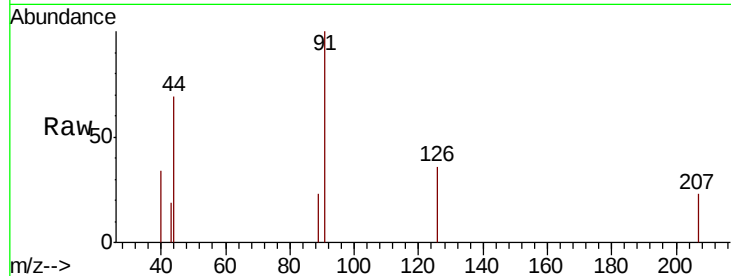
ClientSampleId :

Tot Ion: 91 Resp: 1367

Ion Ratio Lower Upper

91 100

126 32.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055639.D

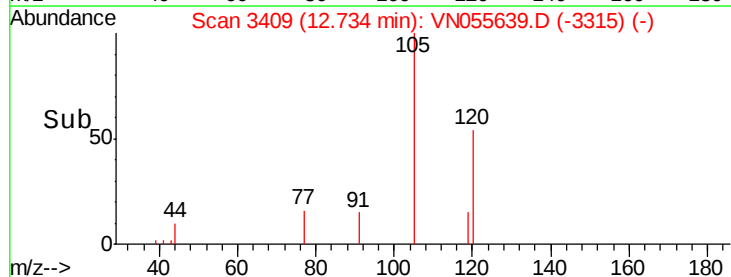
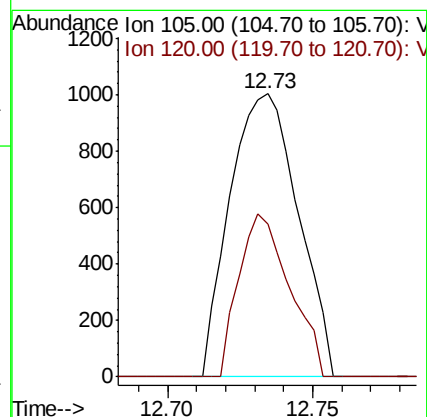
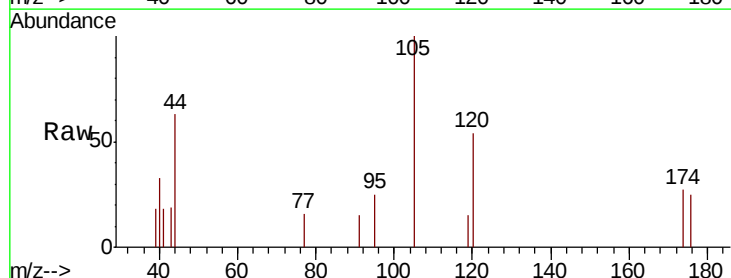
Acq: 18 May 2019 3:46

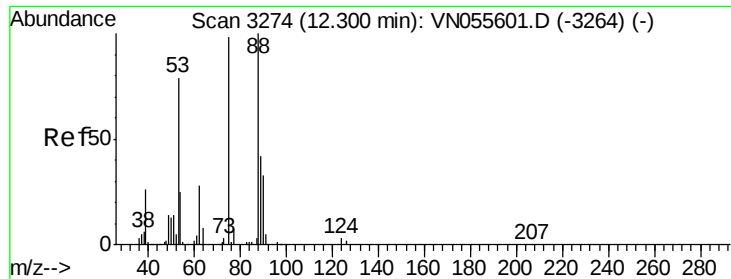
Tgt Ion: 105 Resp: 1642

Ion Ratio Lower Upper

105 100

120 42.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.427 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

ClientSampleId :

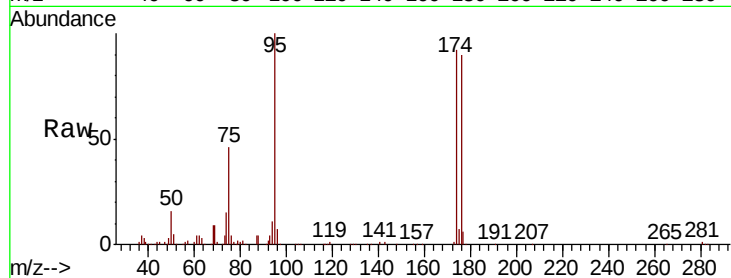
Tot Ion: 75 Resp: 91850

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

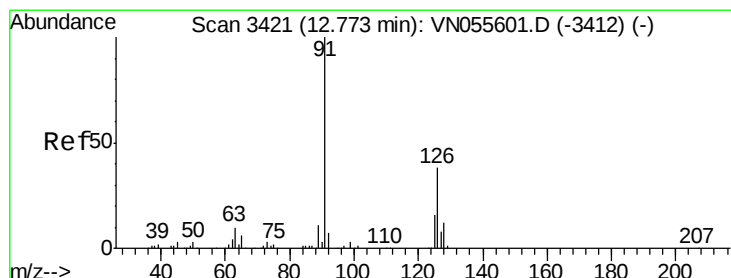
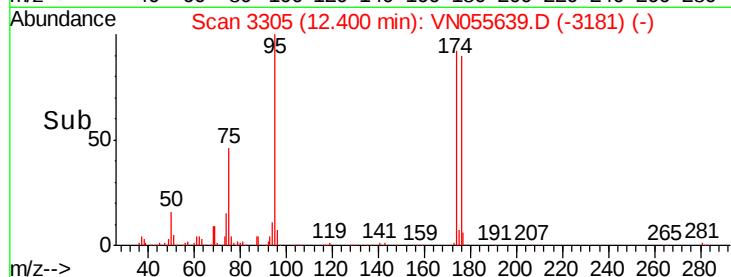
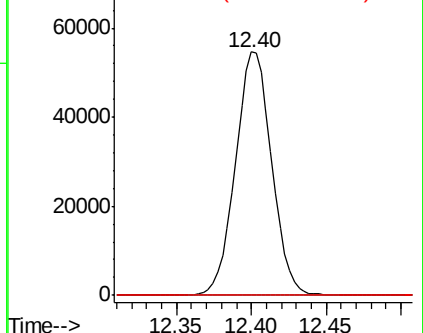
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.205 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN055639.D

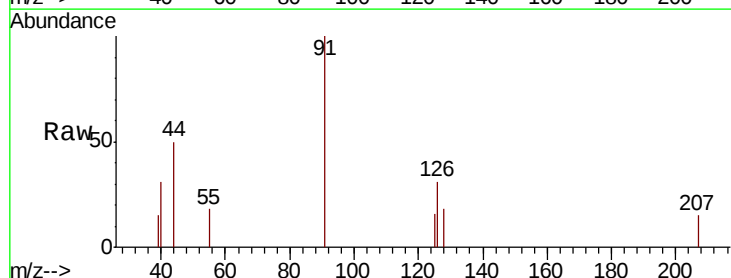
Acq: 18 May 2019 3:46

Tgt Ion: 91 Resp: 1959

Ion Ratio Lower Upper

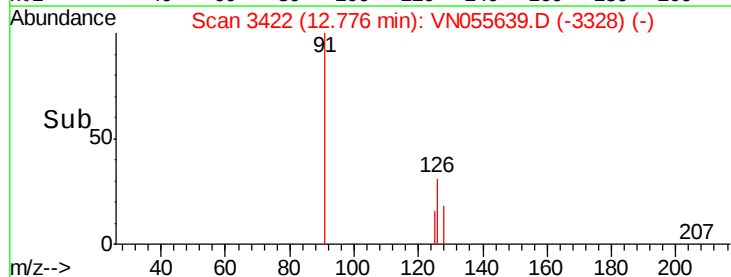
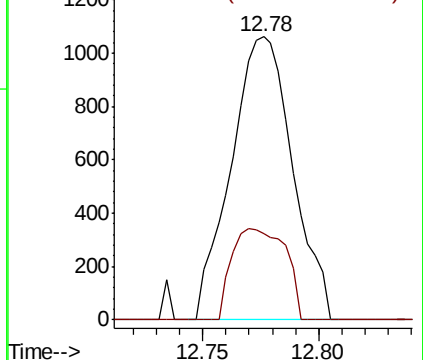
91 100

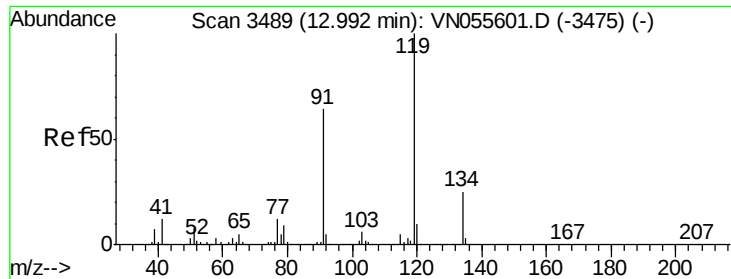
126 27.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

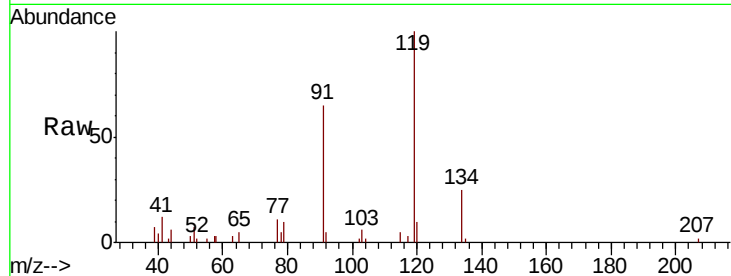




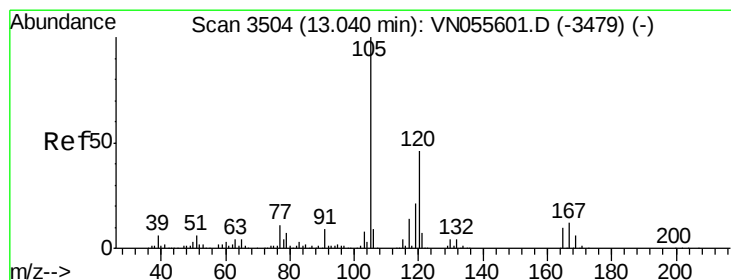
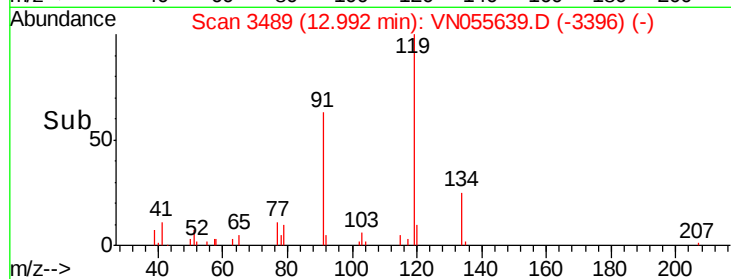
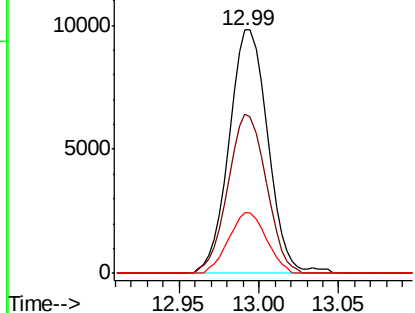
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 16204
Ion Ratio Lower Upper
119 100
91 64.8 31.3 93.8
134 24.1 13.2 39.6

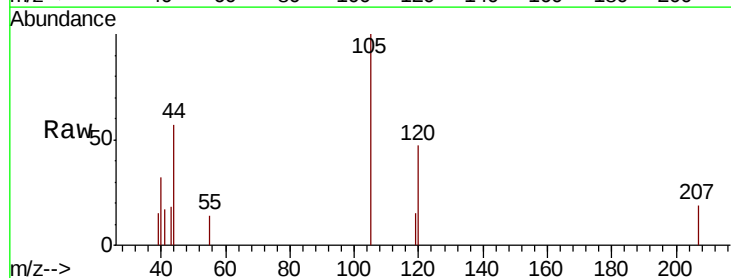


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

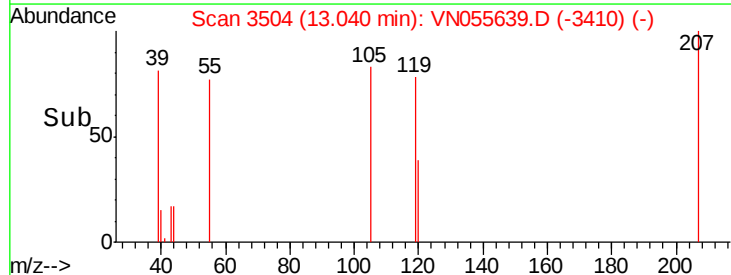
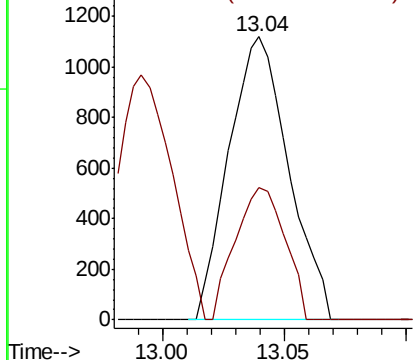


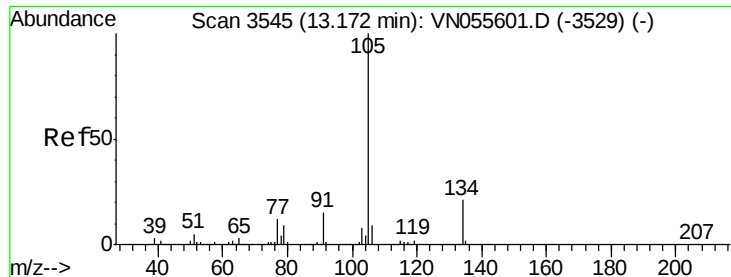
#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion:105 Resp: 1902
Ion Ratio Lower Upper
105 100
120 39.1 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# 3545

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

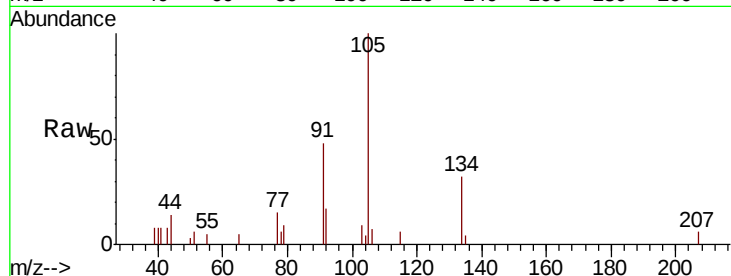
ClientSampleId :

Tot Ion:105 Resp: 7048

Ion Ratio Lower Upper

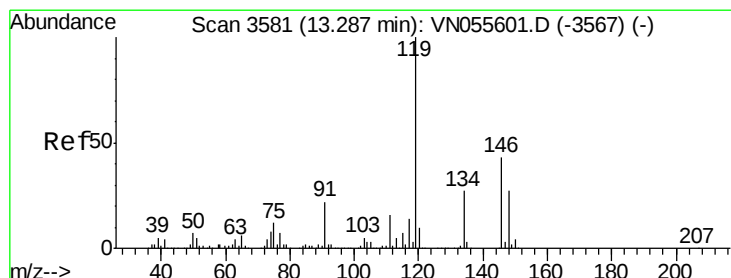
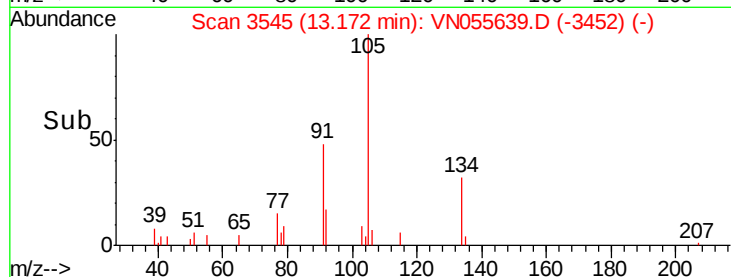
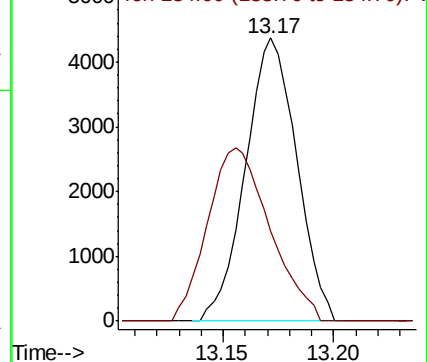
105 100

134 74.3 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

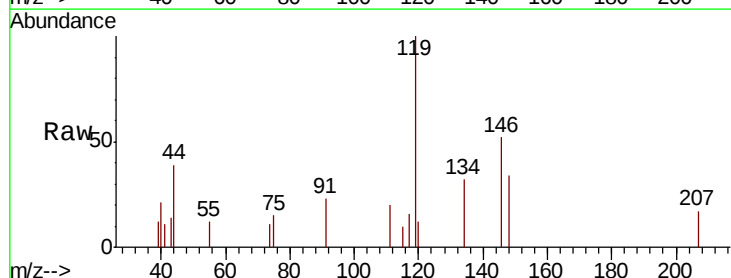
Tgt Ion:119 Resp: 2549

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

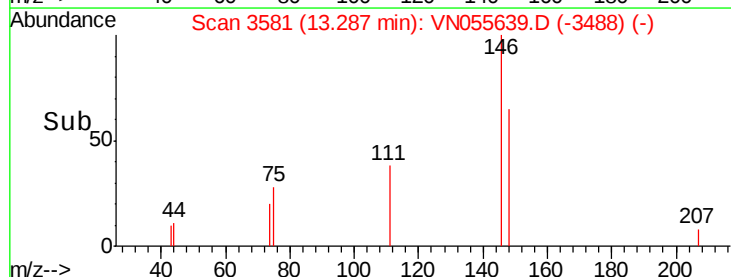
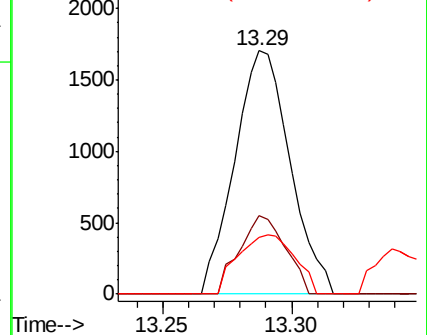
91 25.0 11.0 33.0

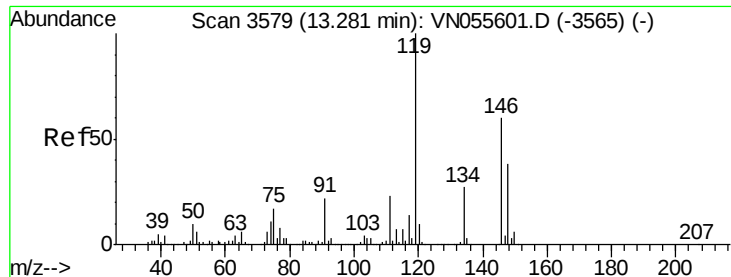


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

ClientSampled :

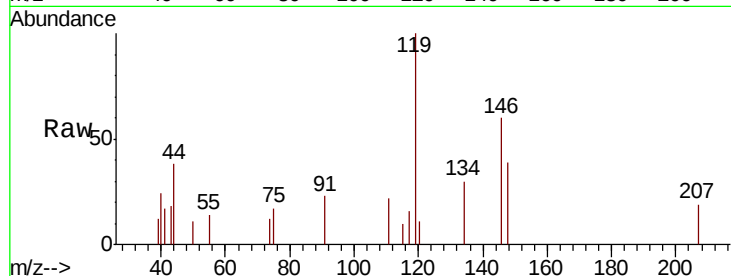
Tot Ion:146 Resp: 1430

Ion Ratio Lower Upper

146 100

111 35.5 18.9 56.9

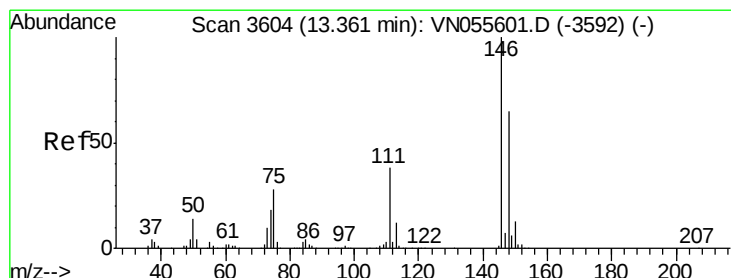
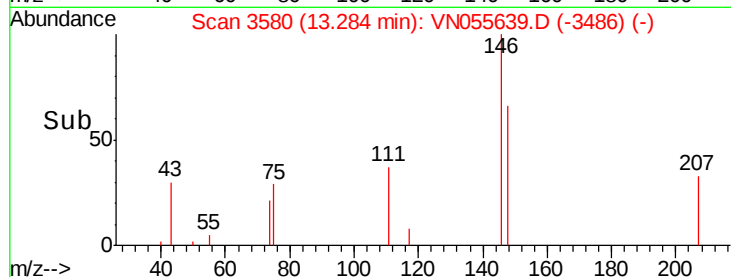
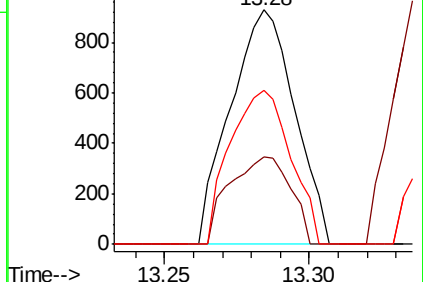
148 61.8 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 0.242 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

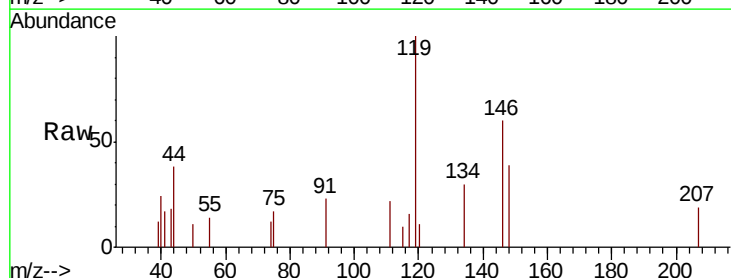
Tgt Ion:146 Resp: 1430

Ion Ratio Lower Upper

146 100

111 35.5 18.8 56.4

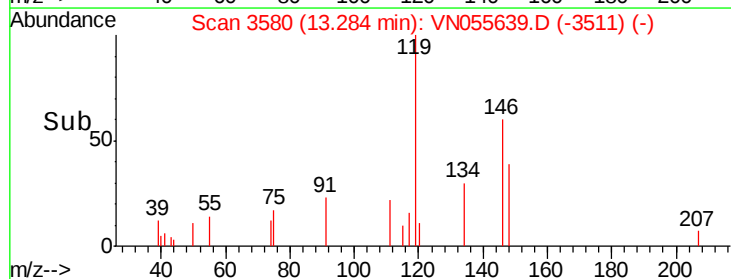
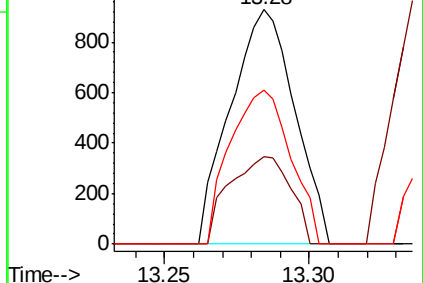
148 61.8 32.4 97.0

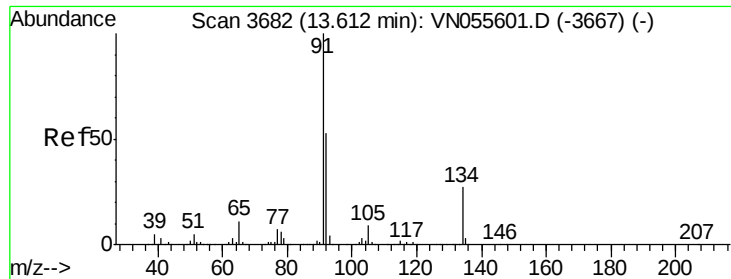


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

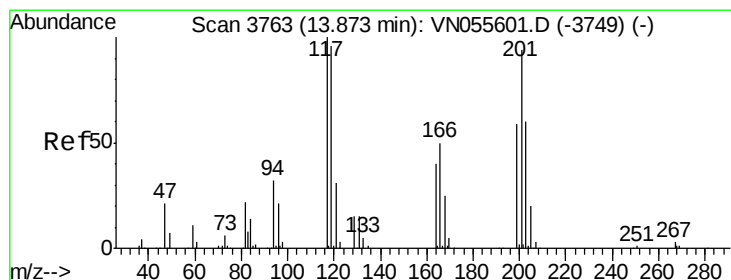
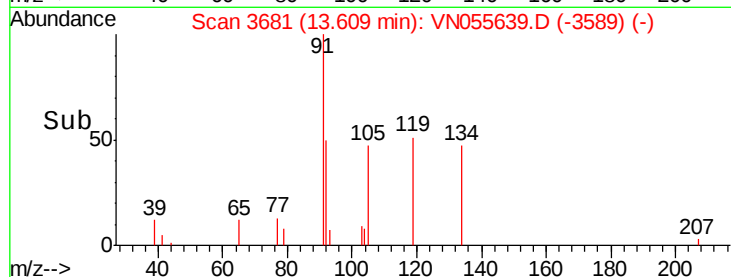
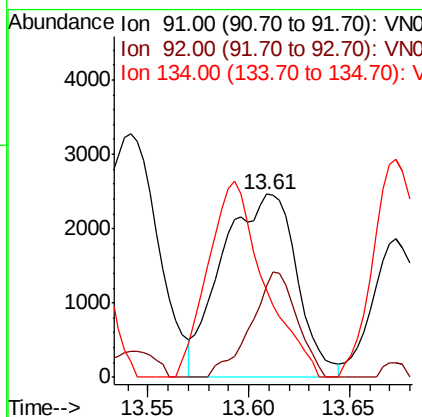
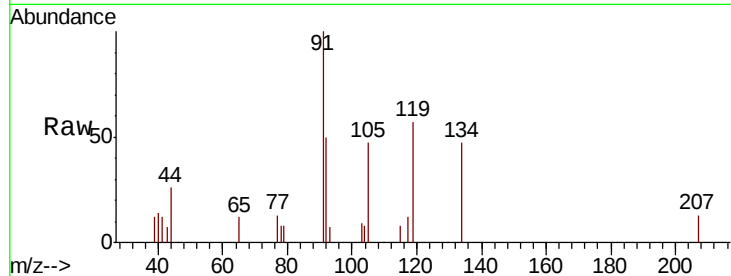




#89
n-Butylbenzene
Concen: 0.633 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

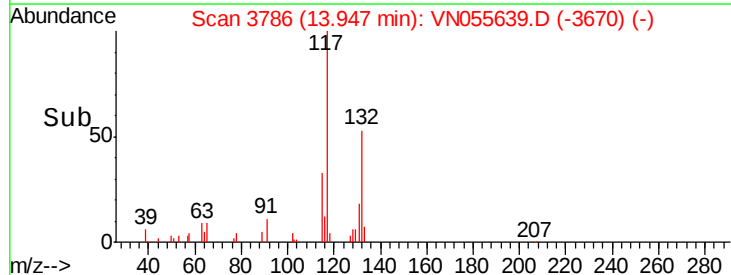
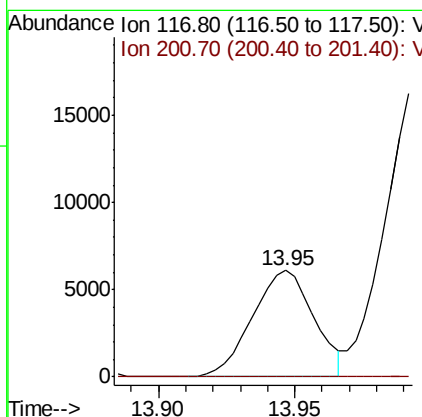
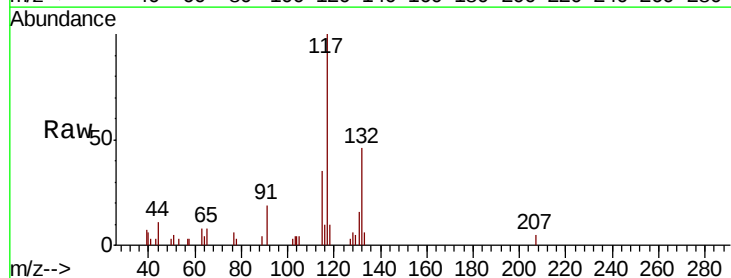
Instrument :
MSVOA_N
ClientSampled :

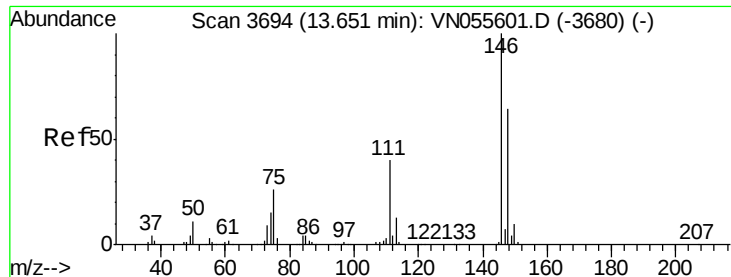
Tot Ion: 91 Resp: 6333
Ion Ratio Lower Upper
91 100
92 35.6 26.4 79.0
134 80.3 13.7 41.1#



#90
Hexachloroethane
Concen: 2.344 ug/l
RT: 13.95 min Scan# 3786
Delta R.T. 0.07 min
Lab File: VN055639.D
Acq: 18 May 2019 3:46

Tgt Ion: 117 Resp: 9552
Ion Ratio Lower Upper
117 100
201 0.0 47.1 141.3#





#91

1,2-Dichlorobenzene

Concen: 0.536 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

ClientSampled :

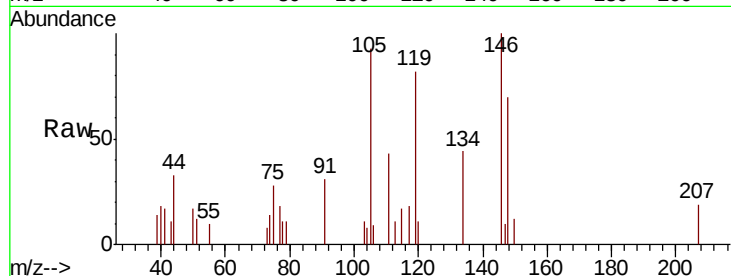
Tot Ion:146 Resp: 3307

Ion Ratio Lower Upper

146 100

111 44.3 19.7 59.0

148 68.8 32.1 96.3

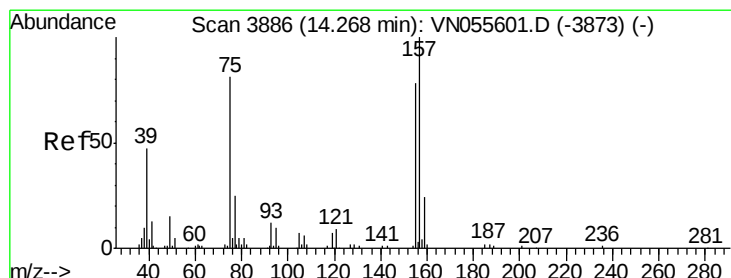
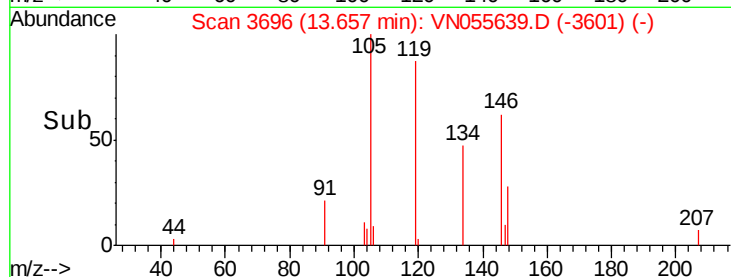
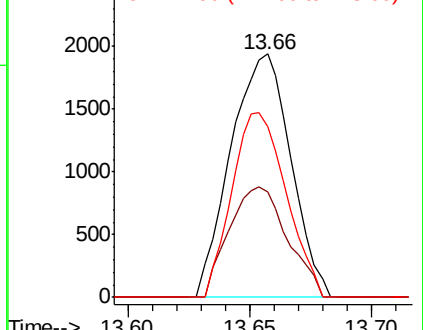


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.283 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. -0.27 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

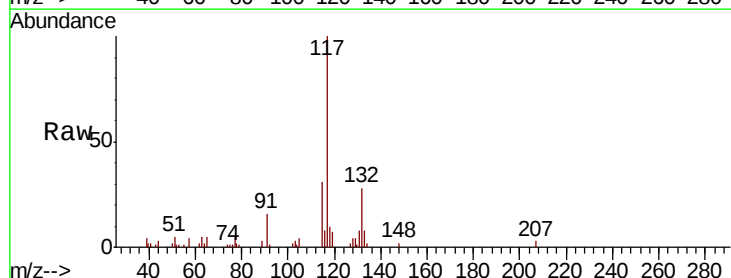
Tgt Ion: 75 Resp: 234

Ion Ratio Lower Upper

75 100

155 0.0 48.4 145.0#

157 0.0 62.3 186.8#

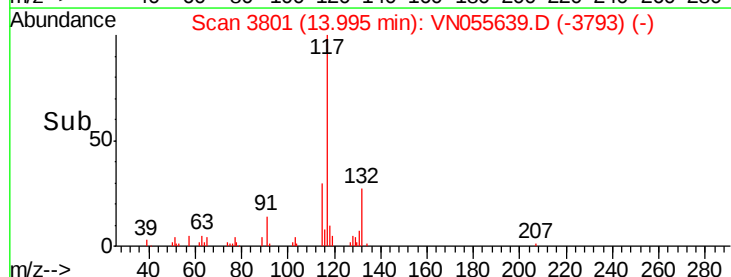
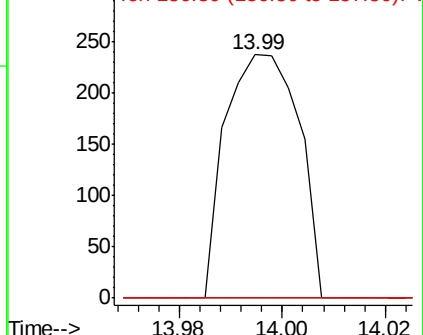


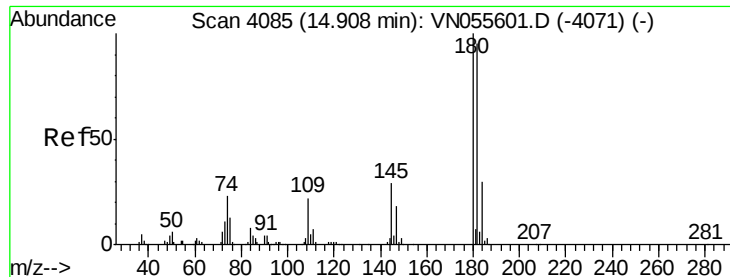
Abundance

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

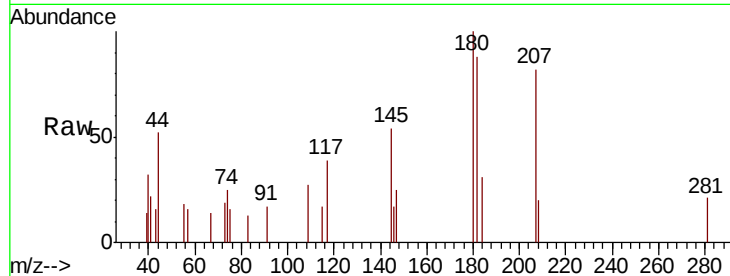




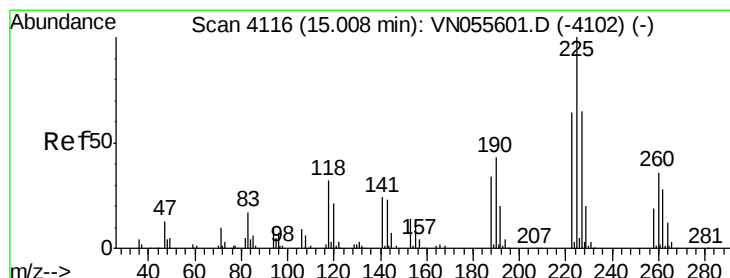
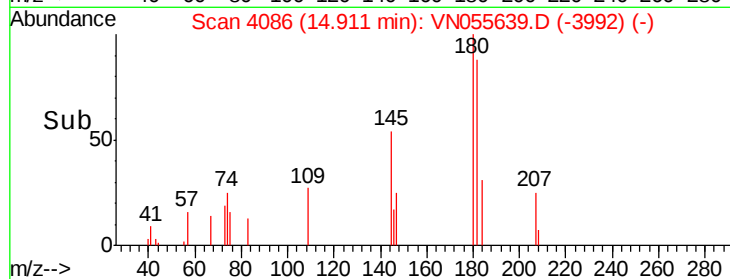
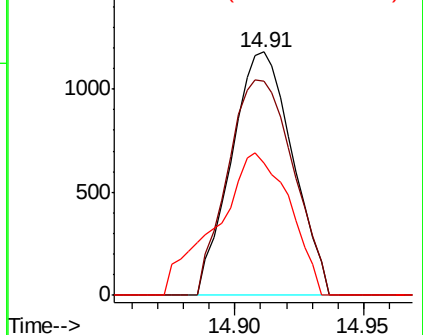
#93
 1,2,4-Trichlorobenzene
 Concen: 0.620 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055639.D
 Acq: 18 May 2019 3:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1950
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.6
 145 70.4 14.3 42.9#

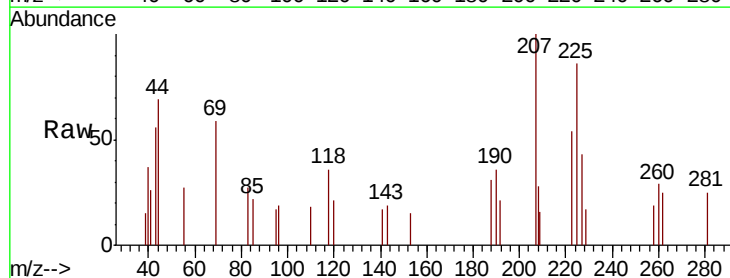


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

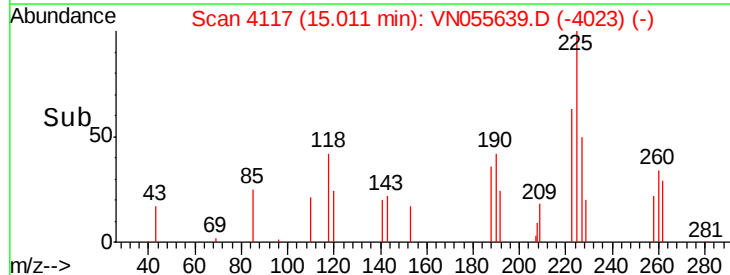
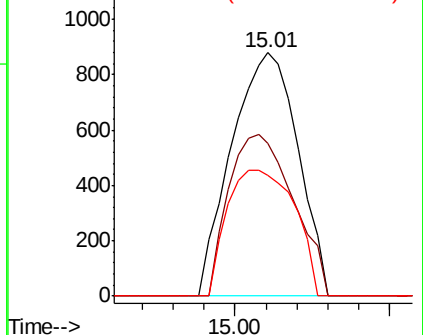


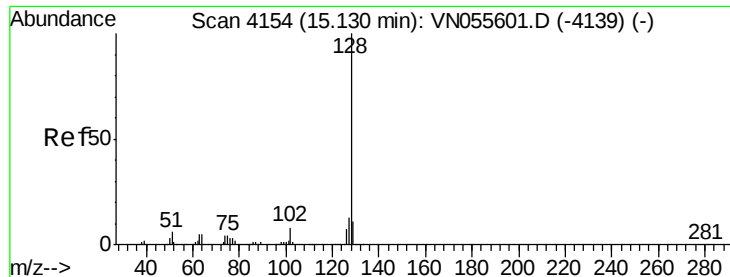
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055639.D
 Acq: 18 May 2019 3:46

Tgt Ion:225 Resp: 1311
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.6 94.7
 227 52.9 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: 2.714 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

Instrument :

MSVOA_N

ClientSampleId :

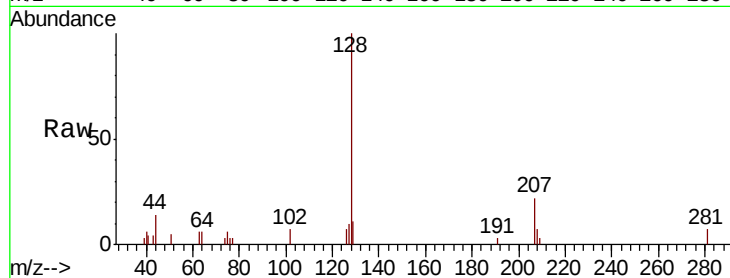
Tot Ion:128 Resp: 9336

Ion Ratio Lower Upper

128 100

127 10.5 10.2 15.4

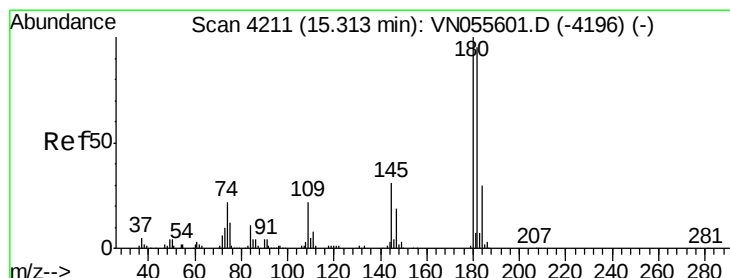
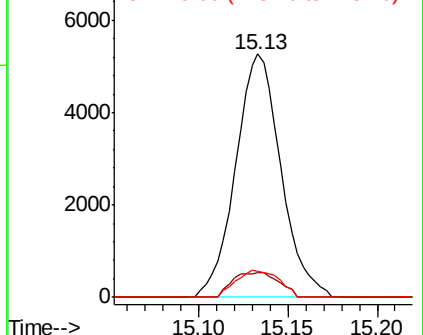
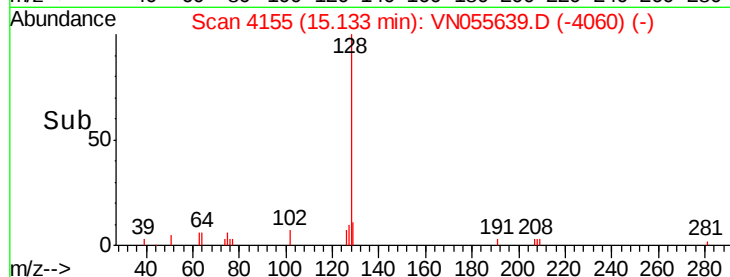
129 10.6 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.790 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055639.D

Acq: 18 May 2019 3:46

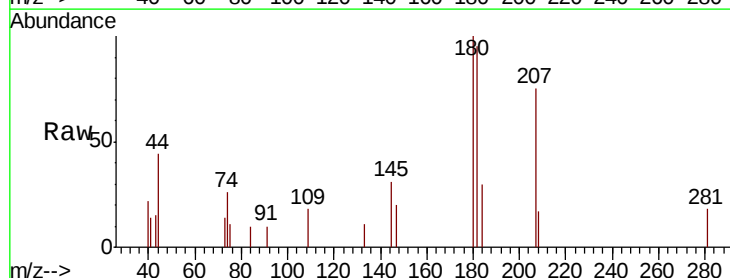
Tgt Ion:180 Resp: 2596

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.6

145 45.1 15.4 46.1



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

