

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056281.D
 Acq On : 13 Jun 2019 15:07
 Operator : JC/SP
 Sample : K3345-15DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:12:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	578566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246795	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	193606	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	179978	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.09	98	722433	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.40	95	266094	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4627	7.602	ug/l #	74
13) Acrolein	3.55	56	398	2.267	ug/l #	1
16) Acetone	3.83	43	3216	1.923	ug/l	91
17) Carbon Disulfide	4.04	76	2373	0.335	ug/l #	74
18) Methyl Acetate	4.33	43	3369	0.452	ug/l #	71
31) Cyclohexane	7.66	56	11517	2.075	ug/l #	25
36) 1,1-Dichloropropene	7.66	75	22202	4.463	ug/l #	48
38) Carbon Tetrachloride	7.66	117	30686	6.690	ug/l #	15
39) Methylcyclohexane	9.08	83	9360	1.510	ug/l	92
52) Toluene	10.16	92	52880	5.624	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	425	2.473	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	1407	0.378	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.62	63	63	14.902	ug/l #	46
67) Ethyl Benzene	11.51	91	1161597	56.842	ug/l	99
68) m/p-Xylenes	11.63	106	723443	92.671	ug/l	100
69) o-Xylene	11.95	106	358568	46.695	ug/l	97
70) Styrene	11.95	104	18801	1.541	ug/l #	1
71) Bromoform	12.14	173	61	2.759	ug/l #	29
73) Isopropylbenzene	12.25	105	130993	5.282	ug/l	98
76) 1,2,3-Trichloropropane	12.69	75	4370	0.962	ug/l #	100
77) Bromobenzene	12.53	156	86908	16.448	ug/l #	1
78) n-propylbenzene	12.59	91	171579	8.218	ug/l	99
79) 2-Chlorotoluene	12.69	91	50075	2.100	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	524084	31.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	123872	90.840	ug/l #	15
82) 4-Chlorotoluene	12.73	91	52111	4.266	ug/l #	42
83) tert-Butylbenzene	13.04	119	187133	12.488	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	1501884	95.445	ug/l	99
85) sec-Butylbenzene	13.04	105	1501884	81.227	ug/l #	55
86) p-Isopropyltoluene	13.23	119	41442	2.504	ug/l	98
89) n-Butylbenzene	13.58	91	13508	1.102	ug/l #	1
90) Hexachloroethane	13.89	117	13155	5.271	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1300	1.586	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	94	4.289	ug/l #	16

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Response via : Initial Calibration

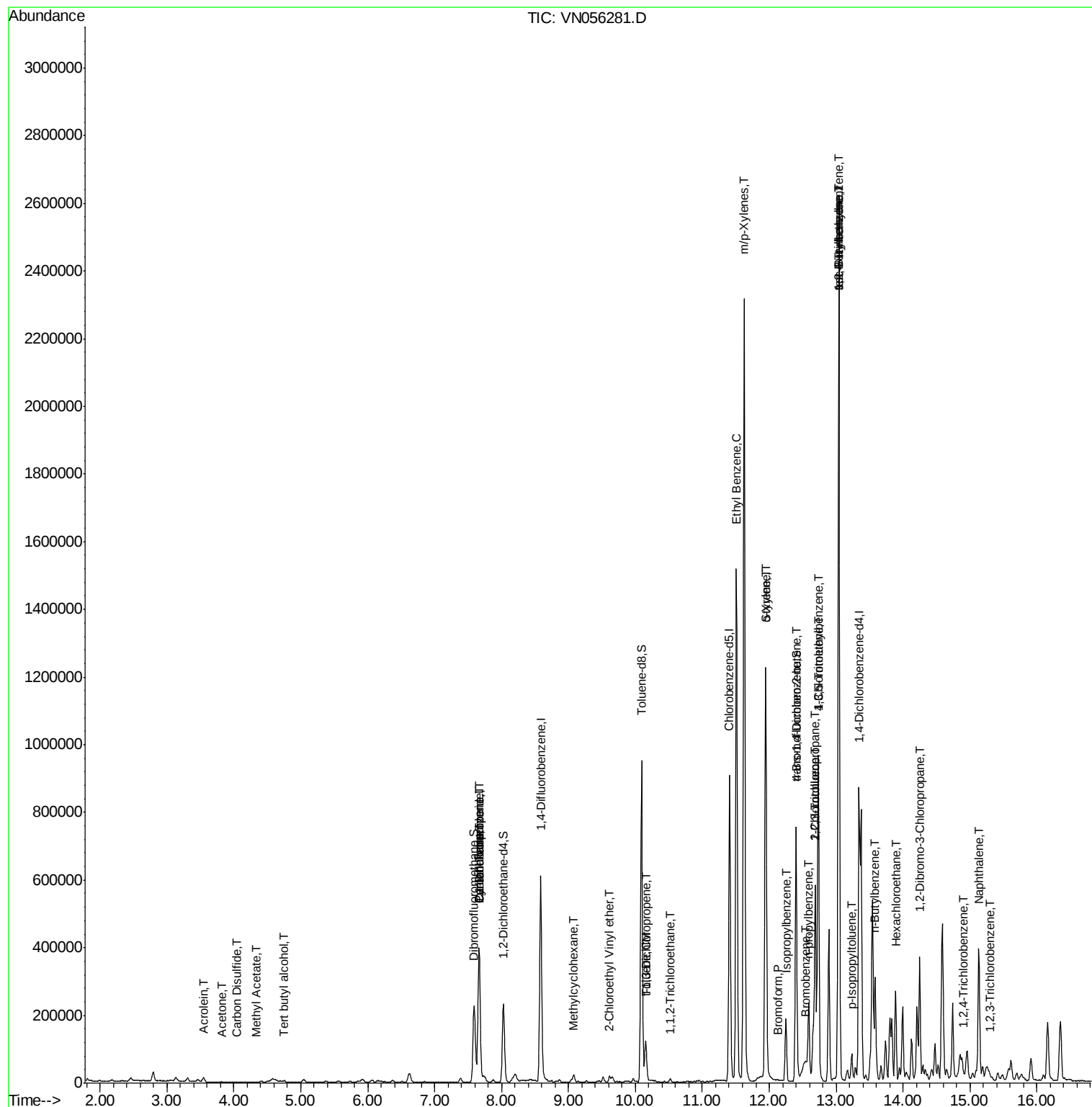
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	353843	31.518	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	117	3.055	ug/l #	1

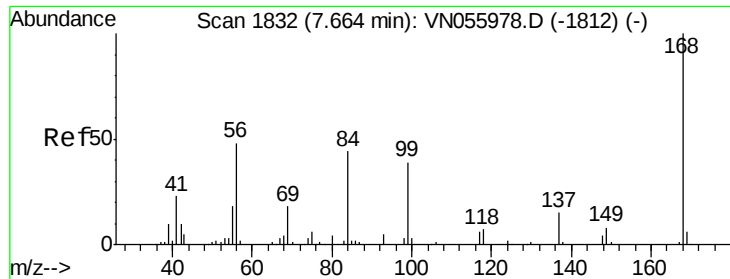
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

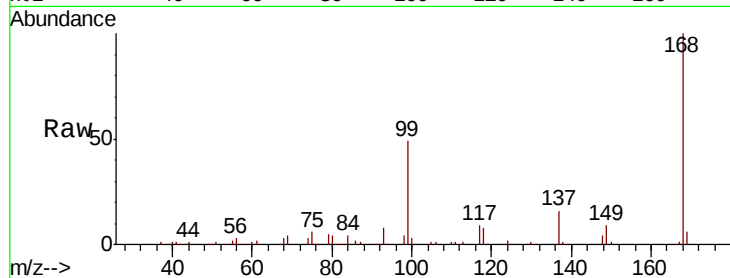
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 352258

Ion Ratio Lower Upper

168 100

99 48.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

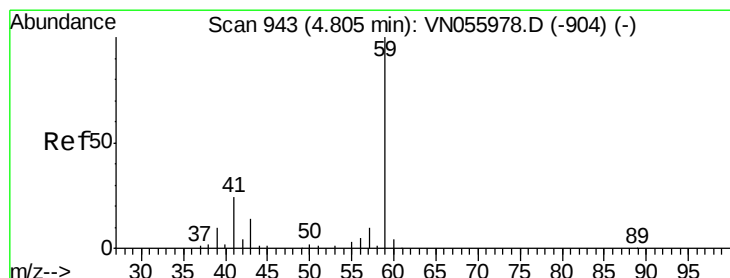
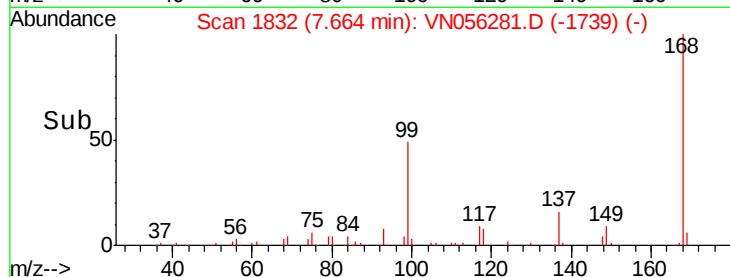
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.602 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056281.D

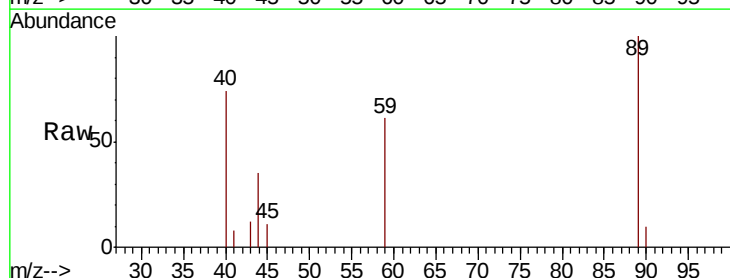
Acq: 13 Jun 2019 15:07

Tgt Ion: 59 Resp: 4627

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

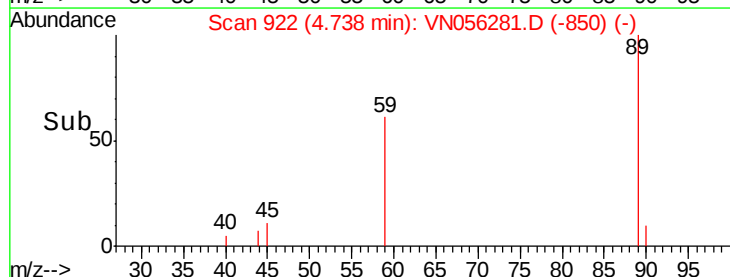
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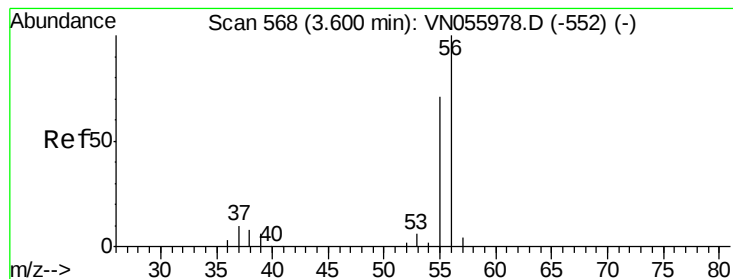
1000

500

0

Time-->





#13

Acrolein

Concen: 2.267 ug/l

RT: 3.55 min Scan# 553

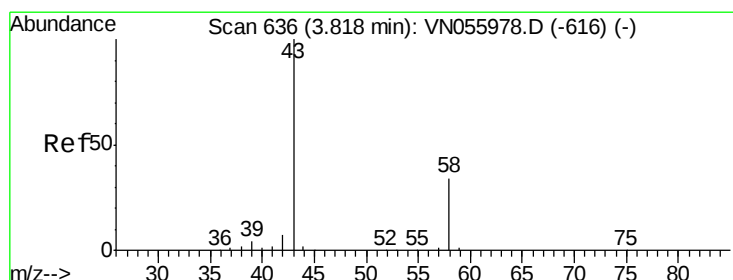
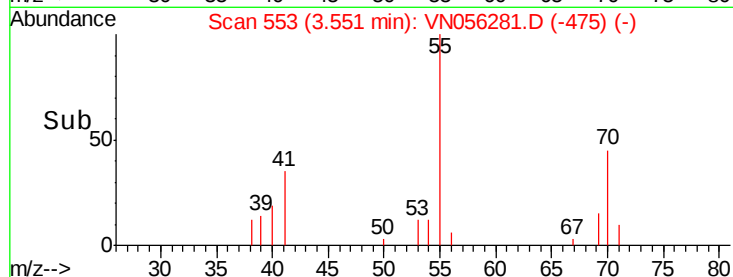
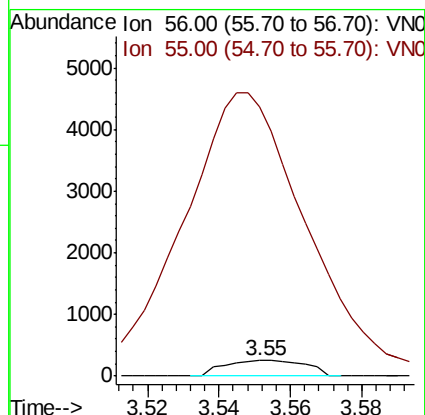
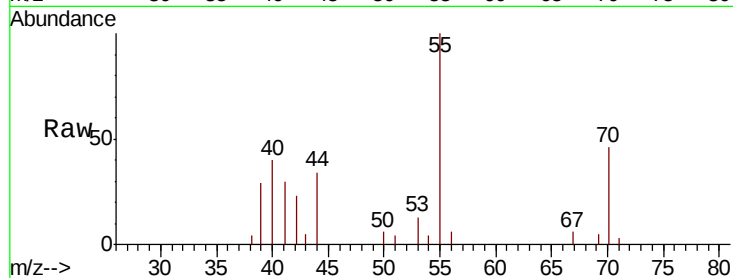
Delta R.T. -0.05 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 398
Ion Ratio Lower Upper
56 100
55 2789.7 55.4 83.2#



#16

Acetone

Concen: 1.923 ug/l

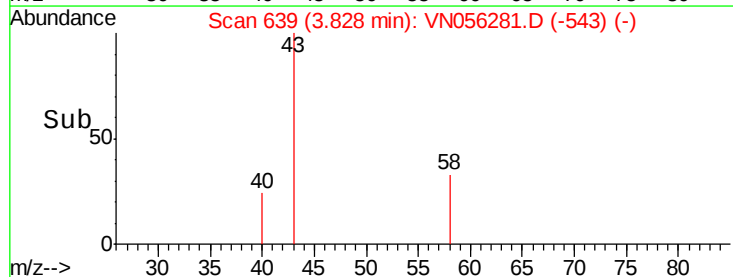
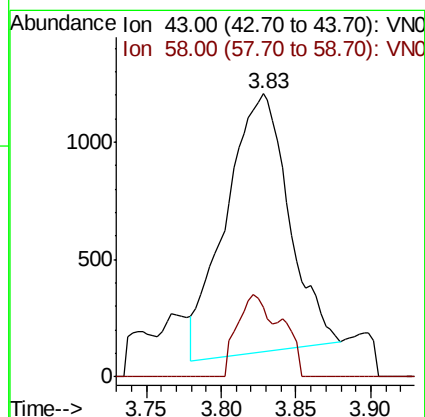
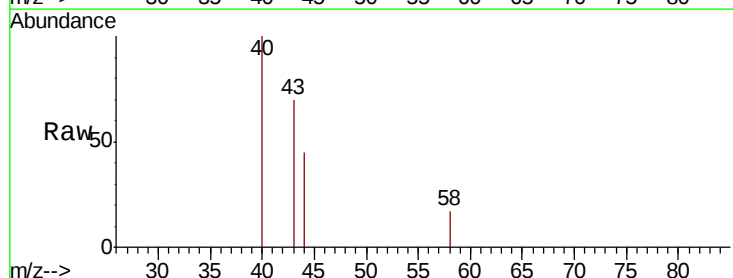
RT: 3.83 min Scan# 639

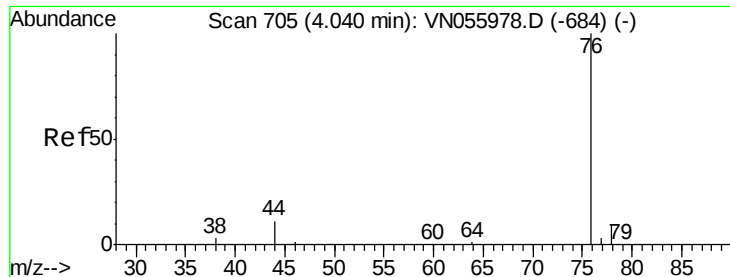
Delta R.T. 0.01 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Tgt Ion: 43 Resp: 3216
Ion Ratio Lower Upper
43 100
58 28.0 26.6 39.8

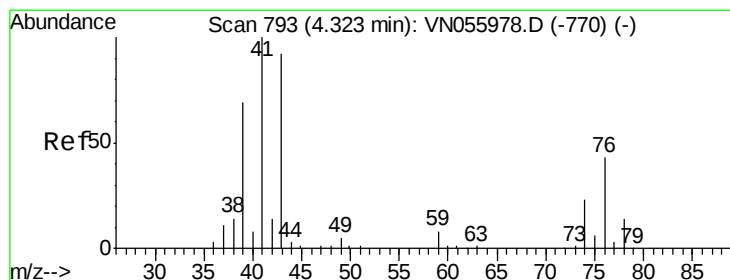
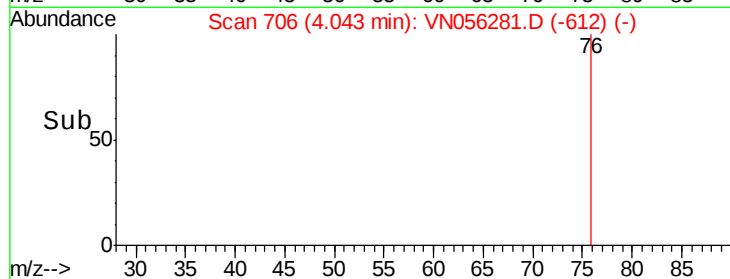
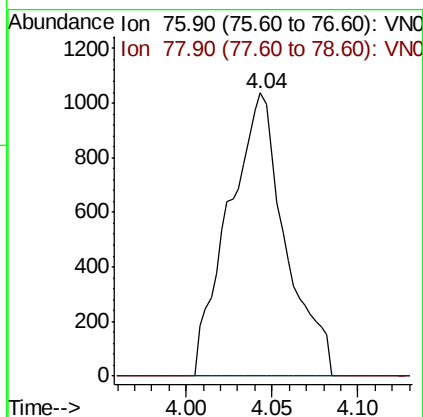
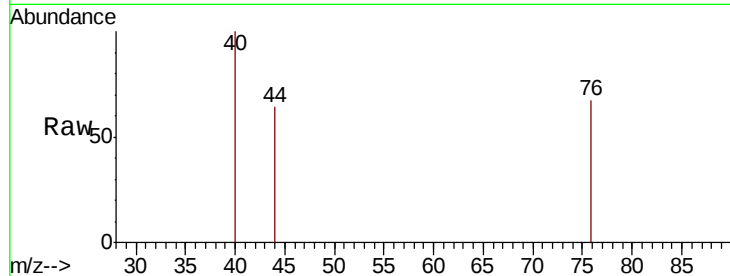




#17
Carbon Disulfide
Concen: 0.335 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

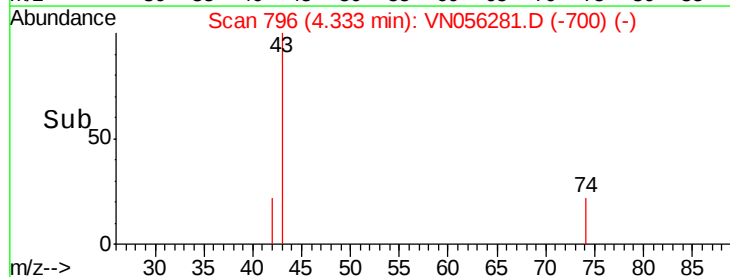
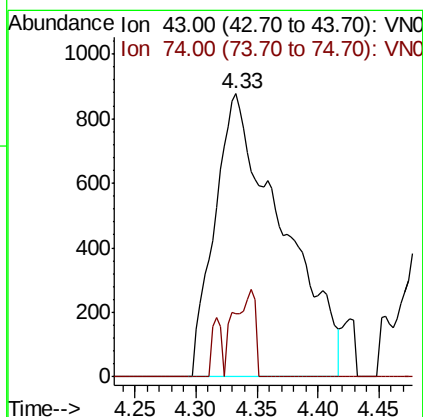
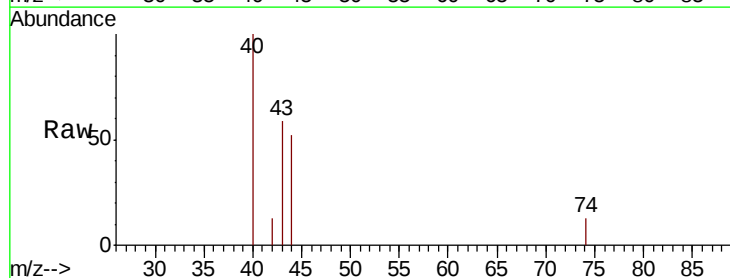
Instrument :
MSVOA_N
ClientSampleId :

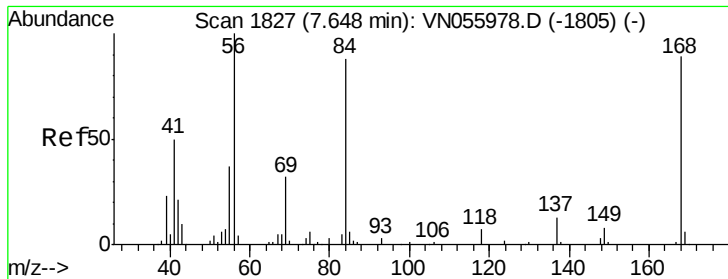
Tot Ion: 76 Resp: 2373
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.452 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
74 9.8 19.3 28.9#

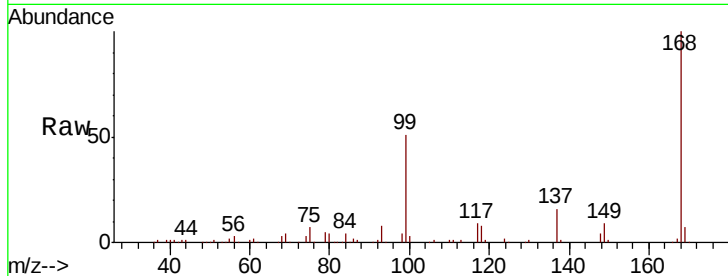




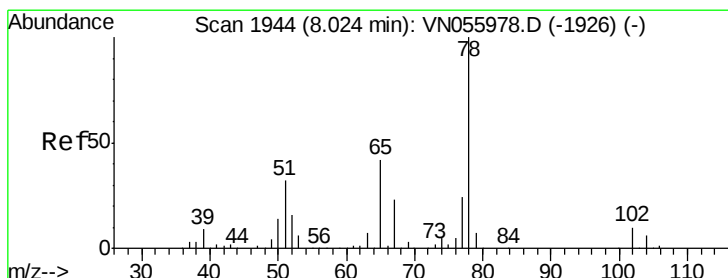
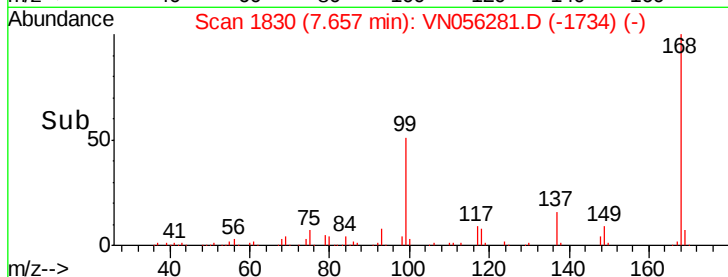
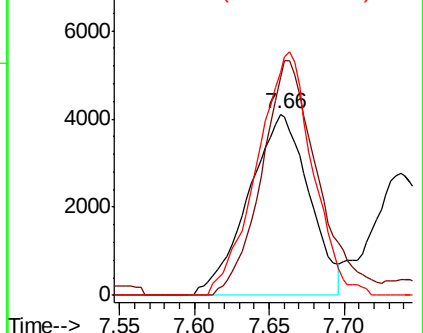
#31
Cyclohexane
Concen: 2.075 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11517
Ion Ratio Lower Upper
56 100
69 120.1 25.6 38.4#
84 123.4 67.4 101.0#

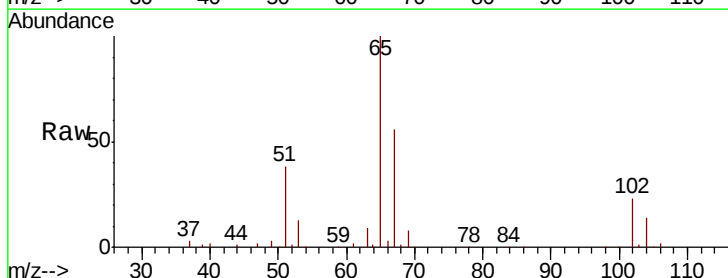


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

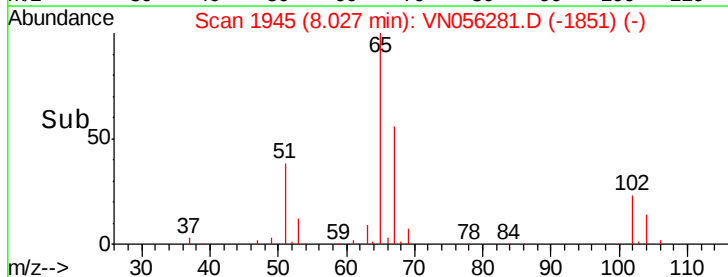
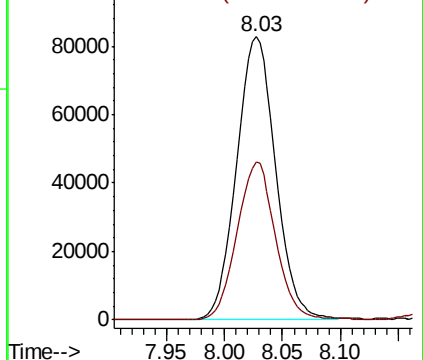


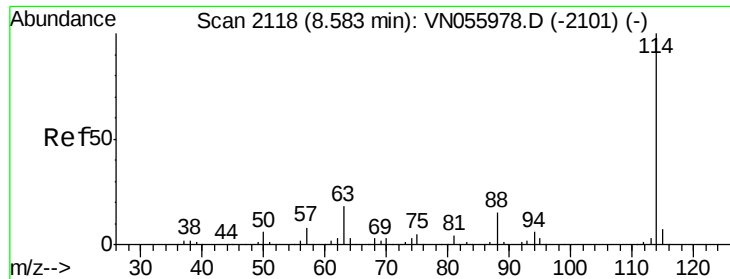
#33
1,2-Dichloroethane-d4
Concen: 55.354 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 65 Resp: 193606
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.2



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

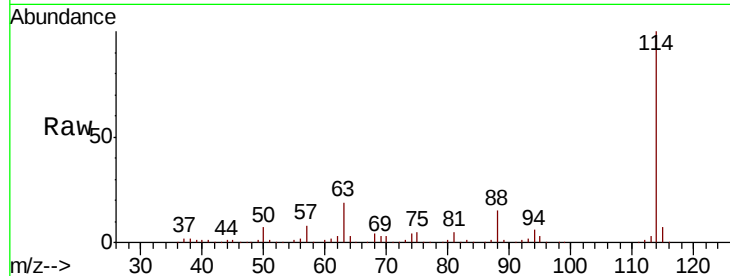




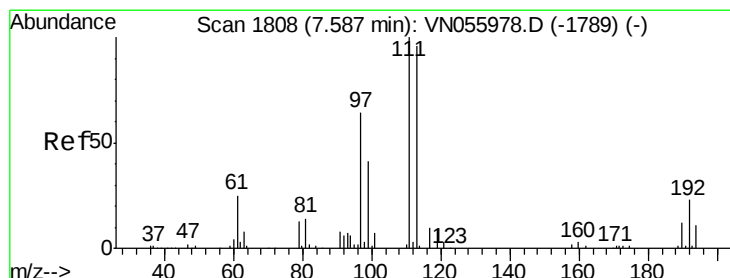
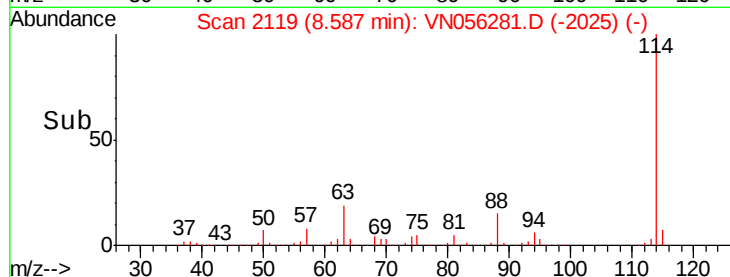
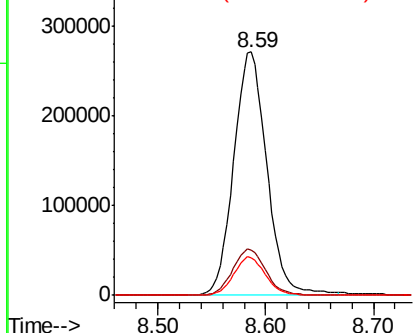
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 578566
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.4 0.0 31.0

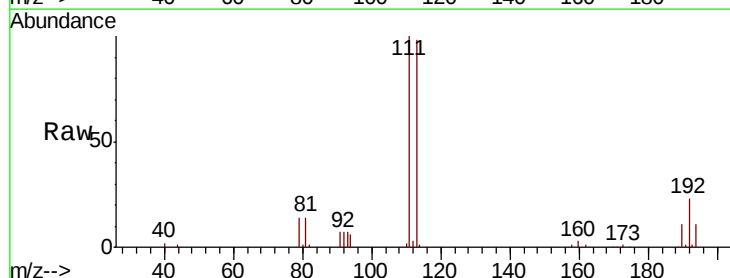


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

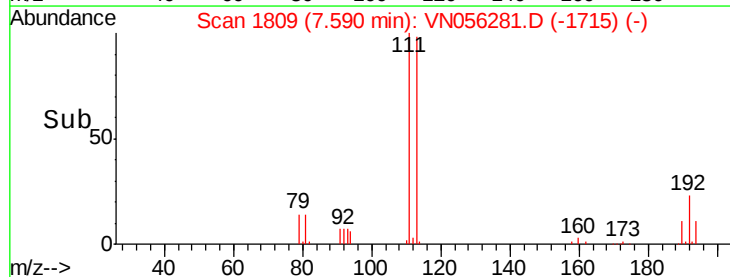
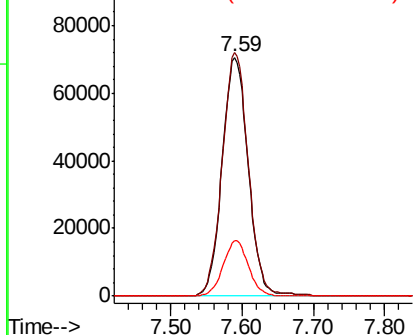


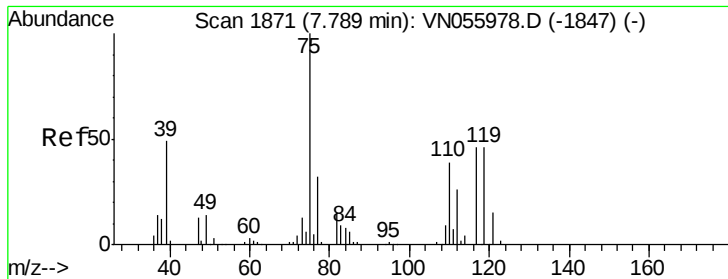
#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion:113 Resp: 179978
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 22.5 19.5 29.3



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

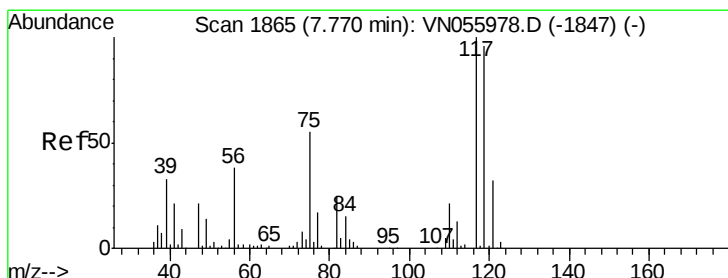
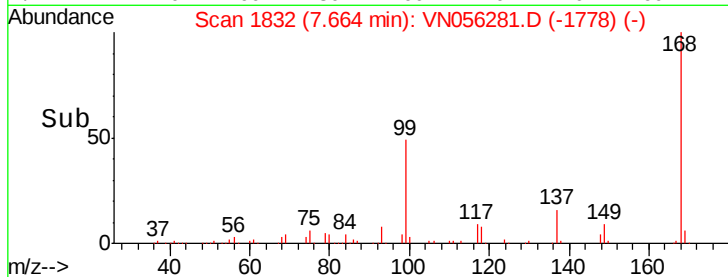
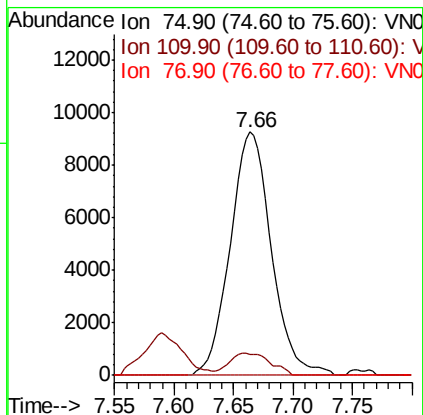
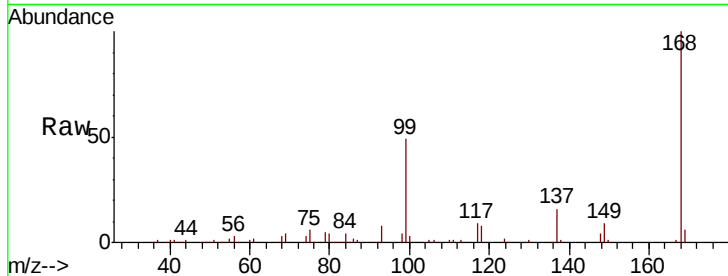




#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056281.D
 Acq: 13 Jun 2019 15:07

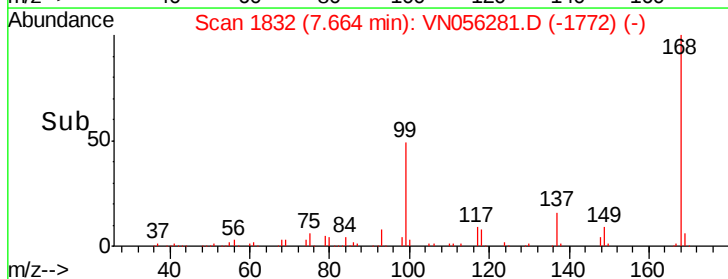
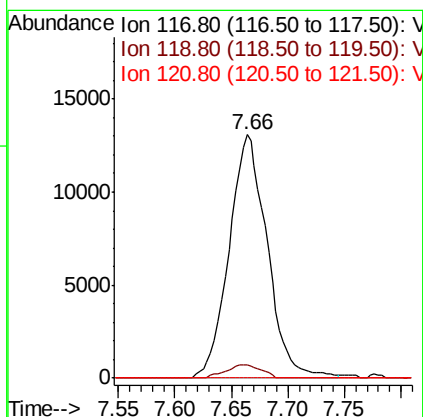
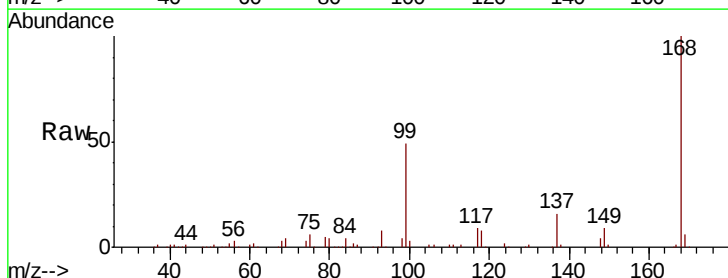
Instrument :
 MSVOA_N
 ClientSampleId :

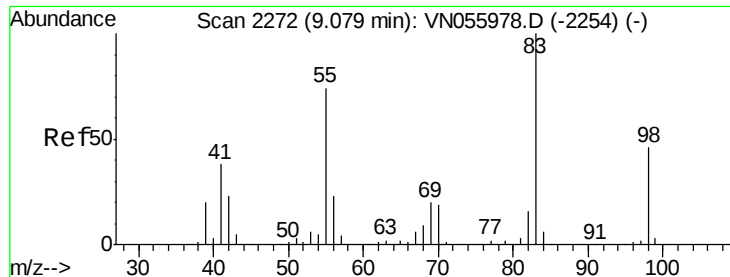
Tot Ion	75	Resp	22202
Ion Ratio	Lower	Upper	
75	100		
110	9.1	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.690 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056281.D
 Acq: 13 Jun 2019 15:07

Tgt Ion	117	Resp	30686
Ion Ratio	Lower	Upper	
117	100		
119	5.2	79.0	118.6#
121	0.0	24.7	37.1#

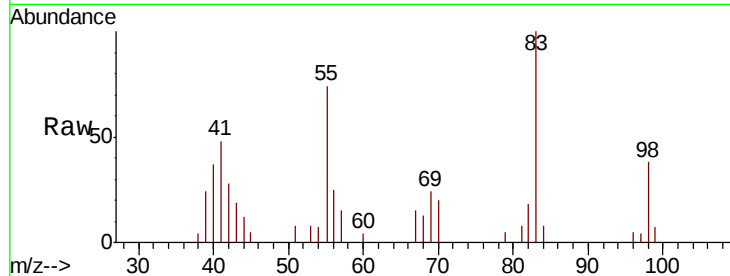




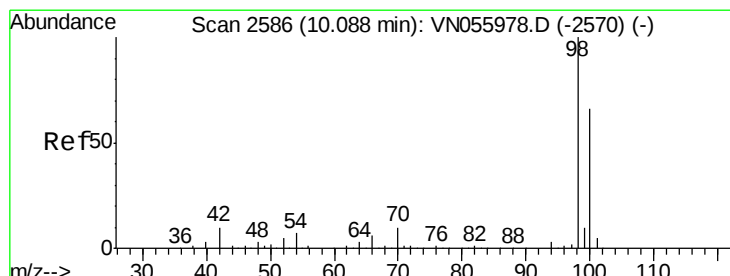
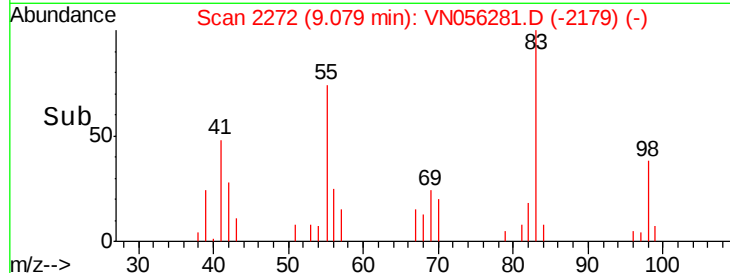
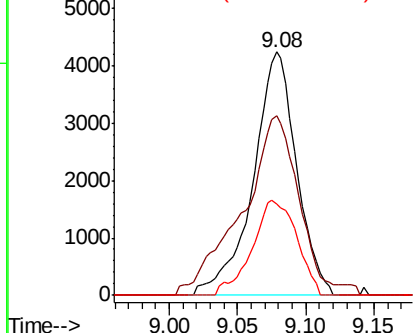
#39
Methvlcvclohexane
Concen: 1.510 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 9360
Ion Ratio Lower Upper
83 100
55 69.2 59.3 88.9
98 37.6 36.6 54.8

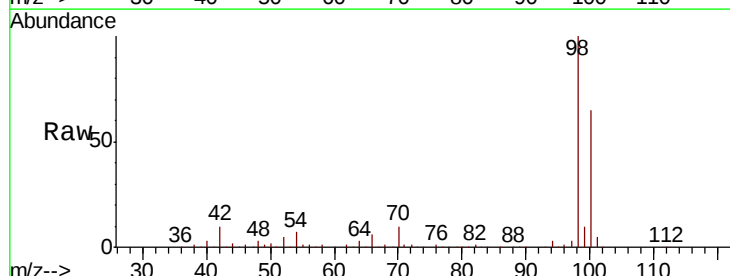


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

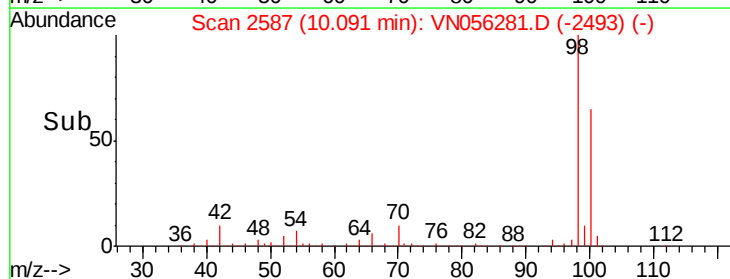
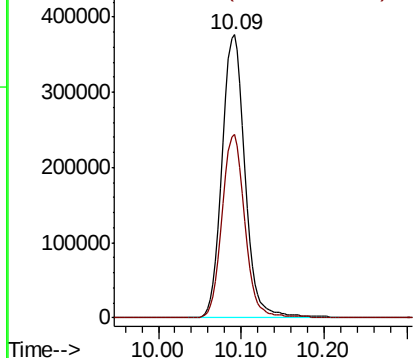


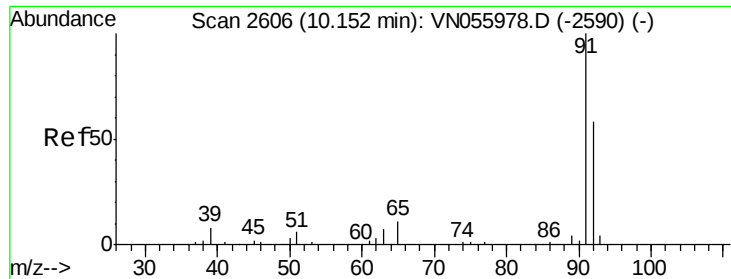
#50
Toluene-d8
Concen: 52.890 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 98 Resp: 722433
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



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





#52

Toluene

Concen: 5.624 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

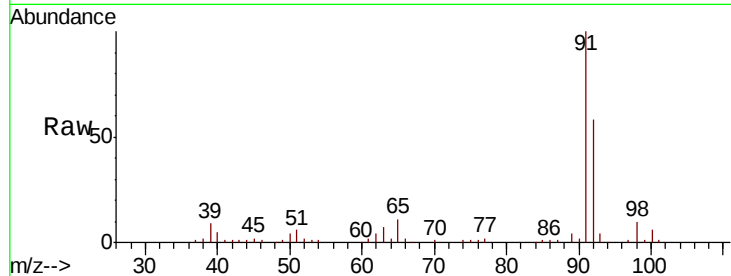
ClientSampled :

Tot Ion: 92 Resp: 52880

Ion Ratio Lower Upper

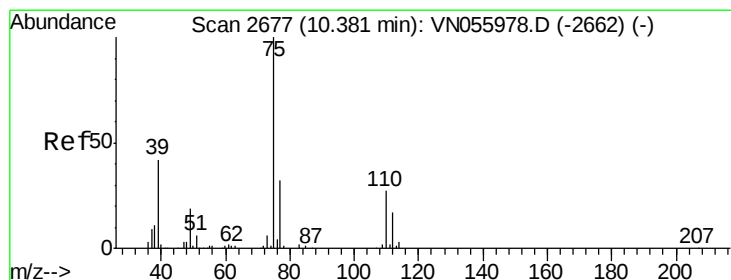
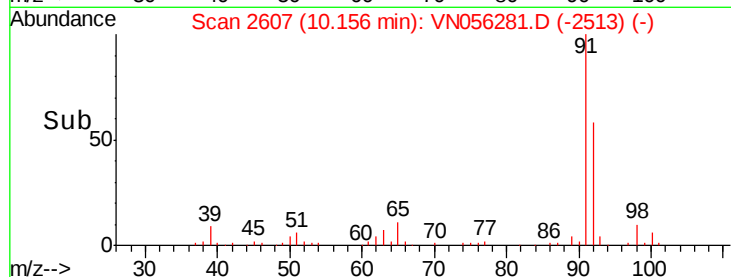
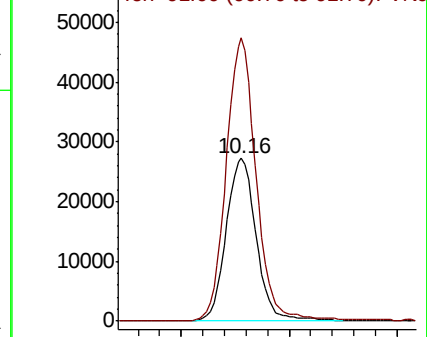
92 100

91 173.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.473 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.23 min

Lab File: VN056281.D

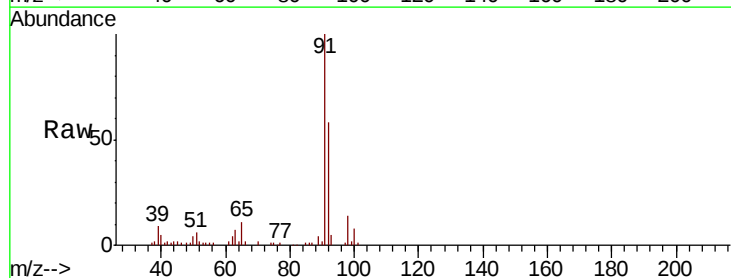
Acq: 13 Jun 2019 15:07

Tgt Ion: 75 Resp: 425

Ion Ratio Lower Upper

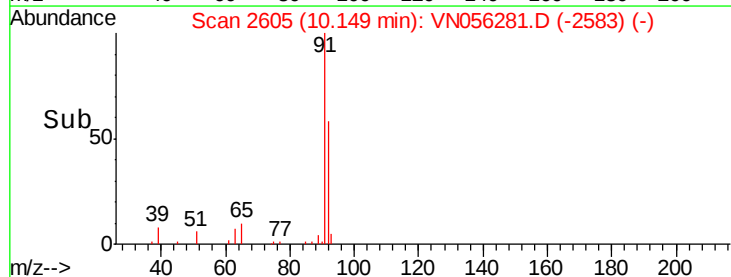
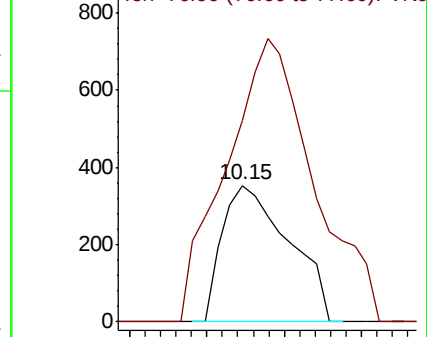
75 100

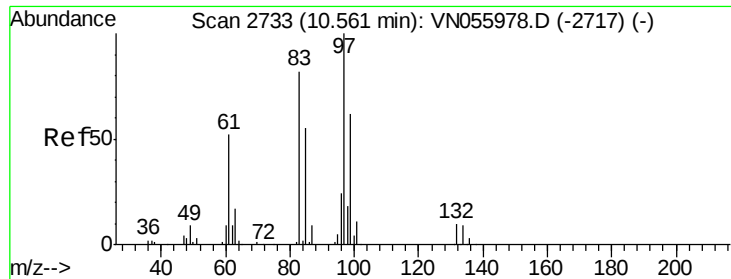
77 88.1 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

1,1,2-Trichloroethane

Concen: 0.378 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 1407

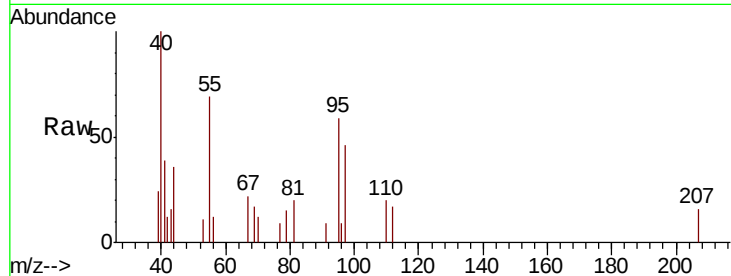
Ion Ratio Lower Upper

97 100

83 0.0 67.0 100.6#

85 0.0 44.0 66.0#

99 0.0 50.6 75.8#

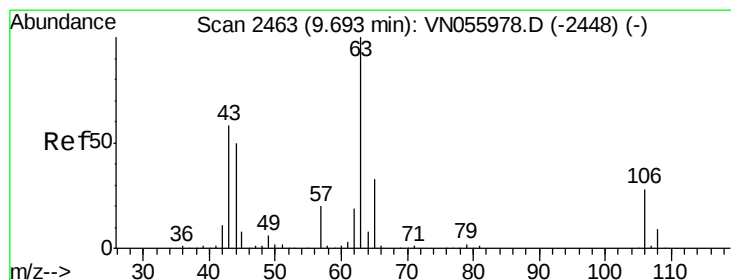
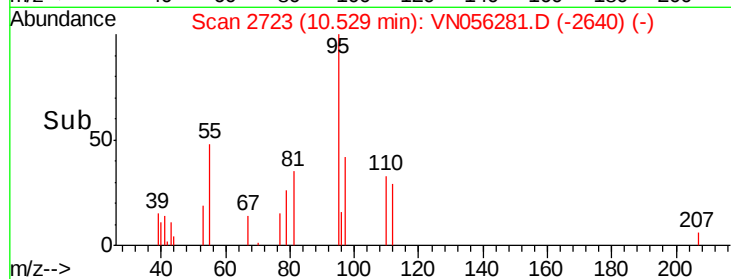
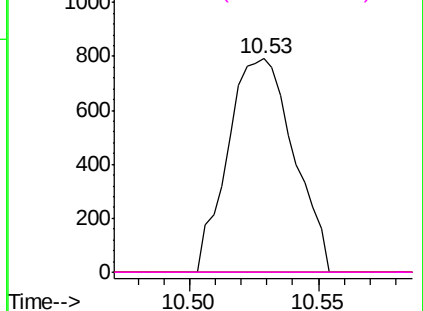


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#58

2-Chloroethyl Vinyl ether

Concen: 14.902 ug/l

RT: 9.62 min Scan# 2439

Delta R.T. -0.08 min

Lab File: VN056281.D

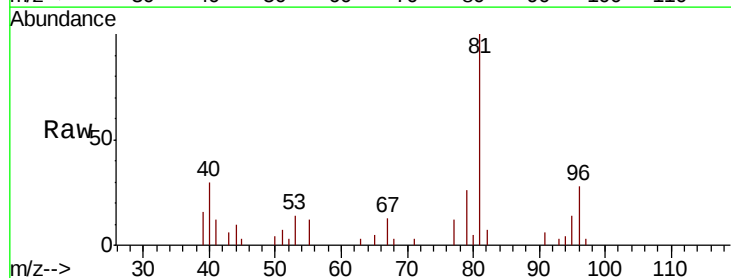
Acq: 13 Jun 2019 15:07

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

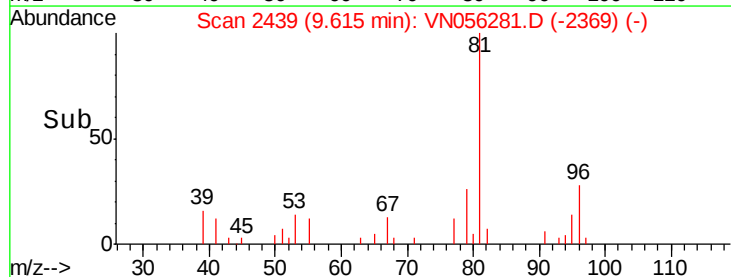
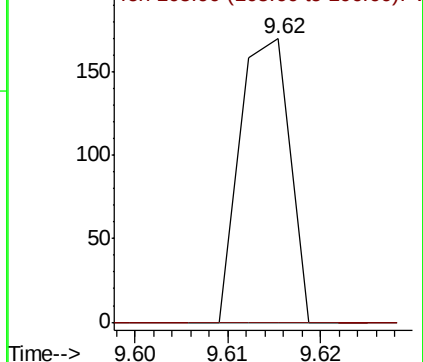
63 100

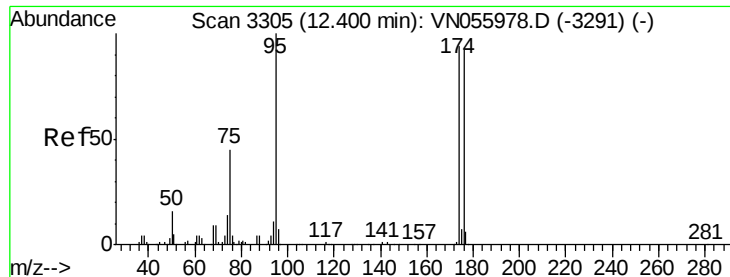
106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): VNO





#62

4-Bromofluorobenzene

Concen: 57.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

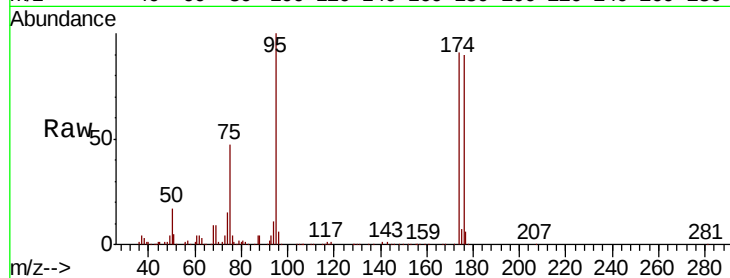
Tot Ion: 95 Resp: 266094

Ion Ratio Lower Upper

95 100

174 91.0 0.0 191.0

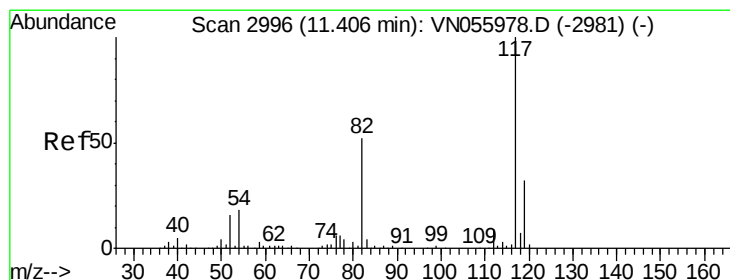
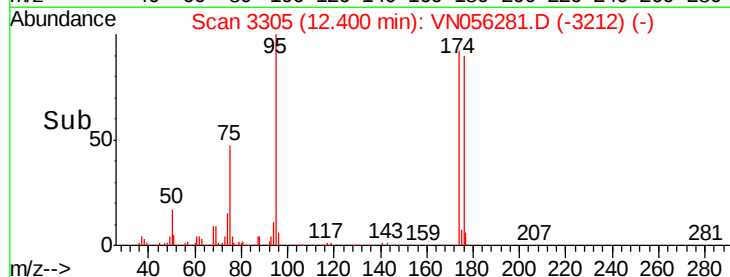
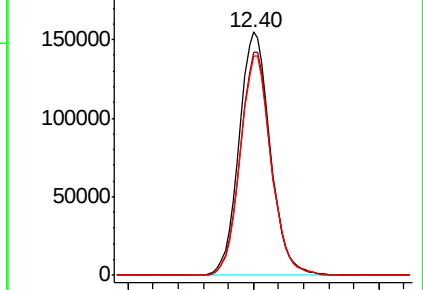
176 89.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

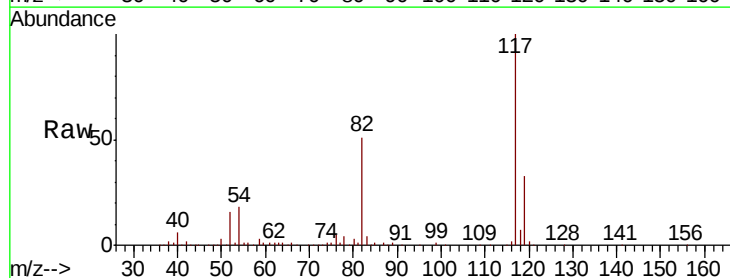
Tgt Ion: 117 Resp: 590510

Ion Ratio Lower Upper

117 100

82 51.0 41.8 62.8

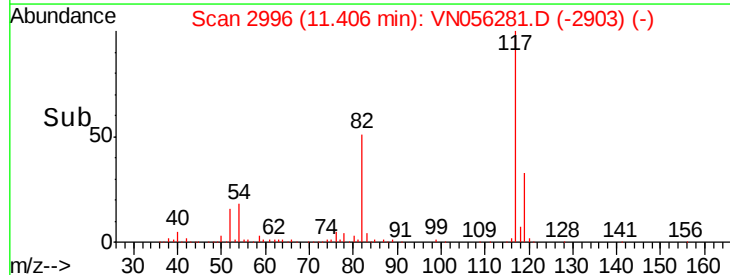
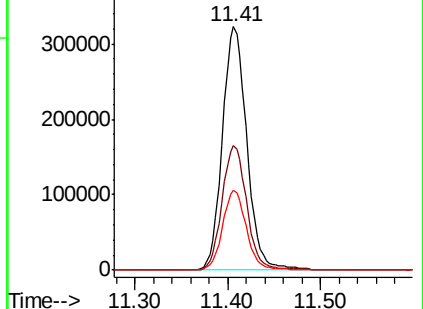
119 32.8 25.4 38.0

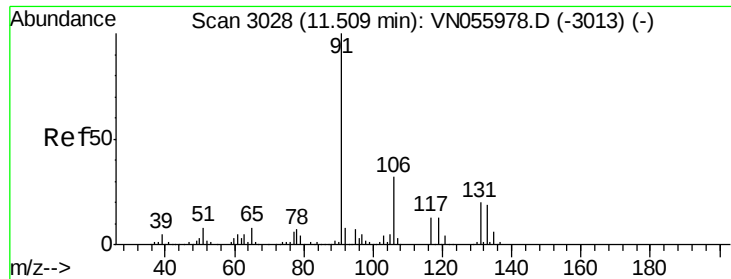


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

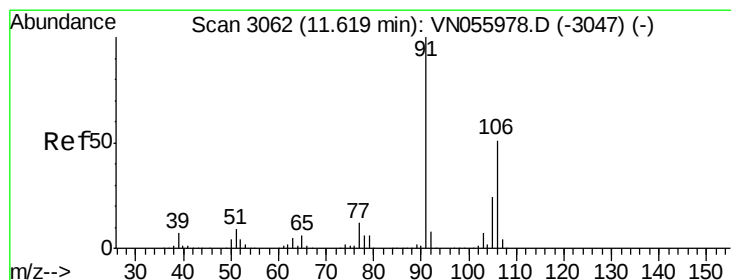
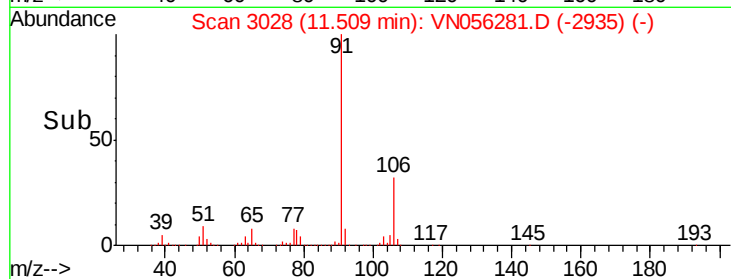
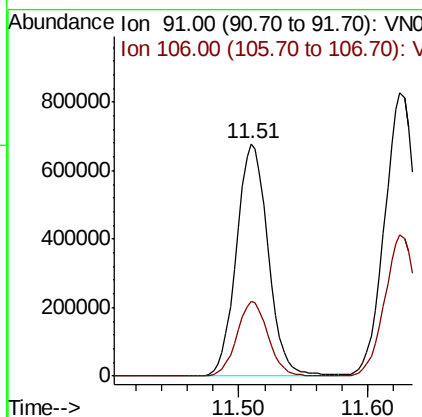
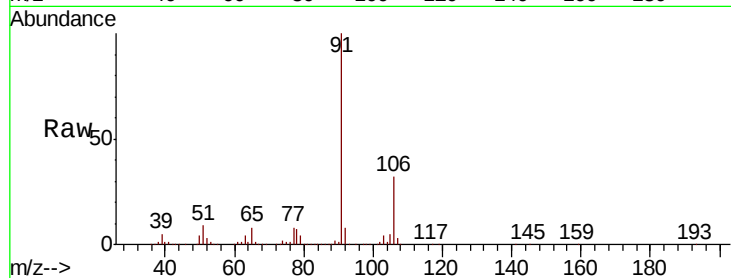




#67
Ethyl Benzene
Concen: 56.842 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

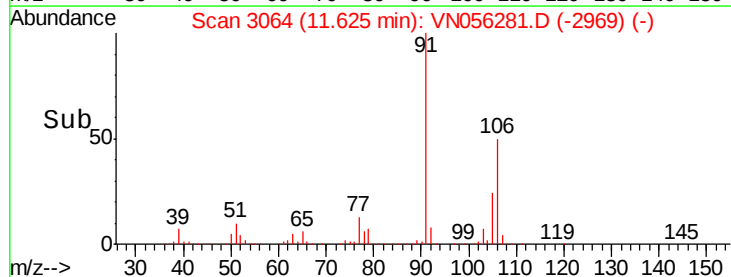
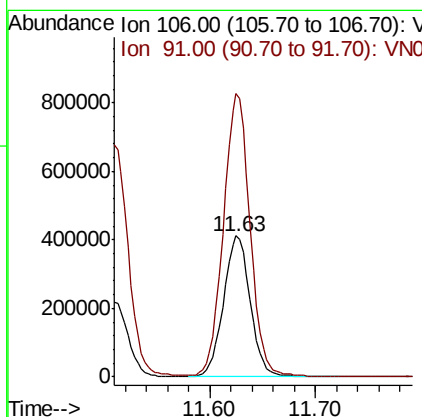
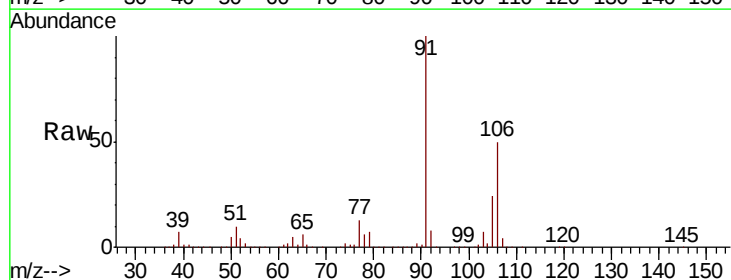
Instrument :
MSVOA_N
ClientSampled :

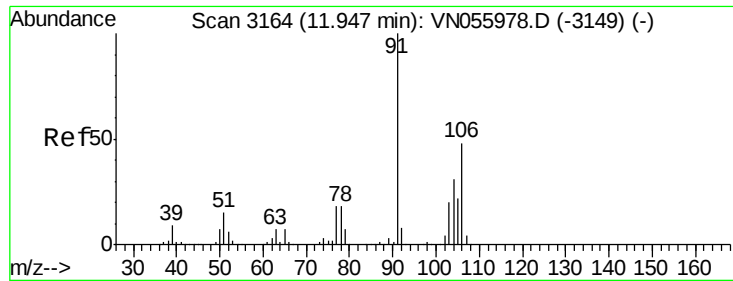
Tot Ion: 91 Resp: 1161597
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 92.671 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 106 Resp: 723443
Ion Ratio Lower Upper
106 100
91 199.9 159.3 238.9

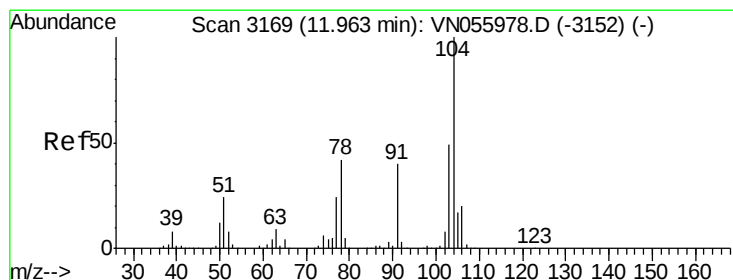
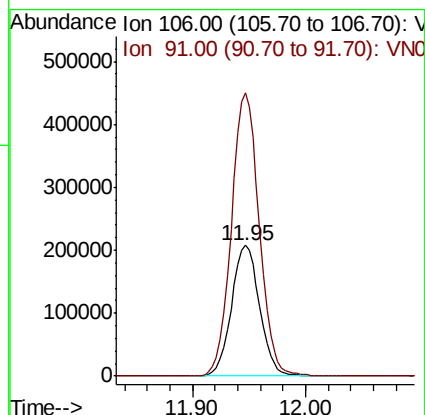
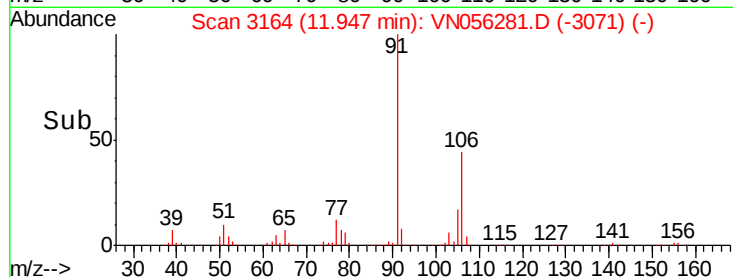
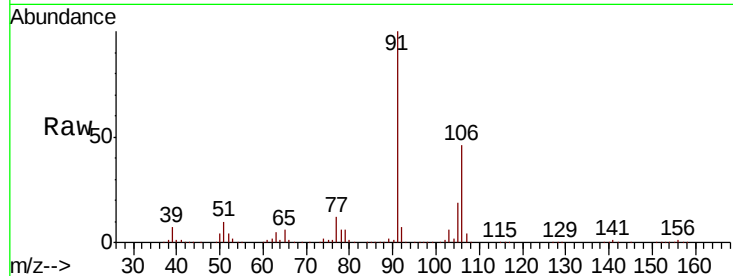




#69
o-Xylene
Concen: 46.695 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

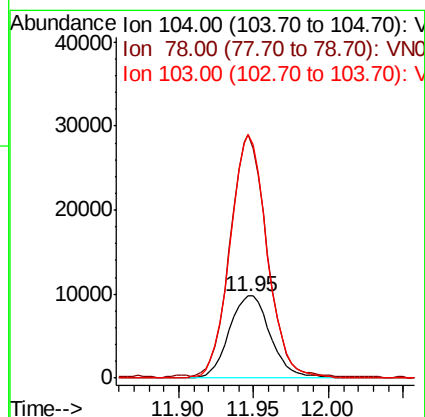
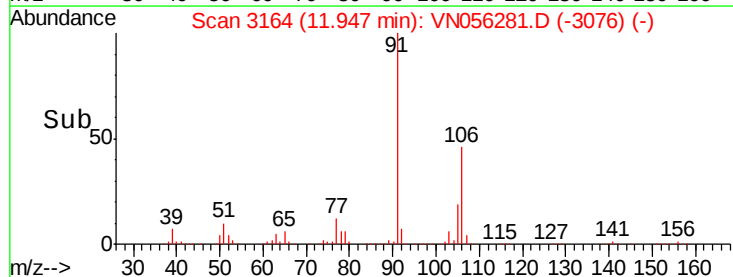
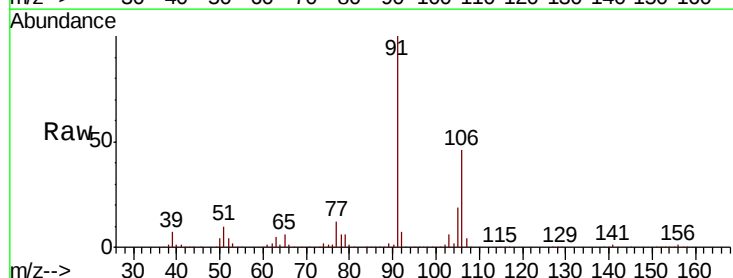
Instrument :
MSVOA_N
ClientSampled :

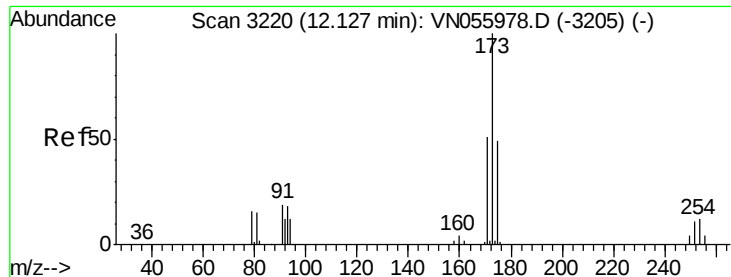
Tot Ion:106 Resp: 358568
Ion Ratio Lower Upper
106 100
91 214.1 104.7 314.1



#70
Styrene
Concen: 1.541 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion:104 Resp: 18801
Ion Ratio Lower Upper
104 100
78 260.3 37.8 56.6#
103 265.2 44.2 66.2#





#71

Bromoform

Concen: 2.759 ug/l

RT: 12.14 min Scan# 3224

Delta R.T. 0.01 min

Lab File: VN056281.D

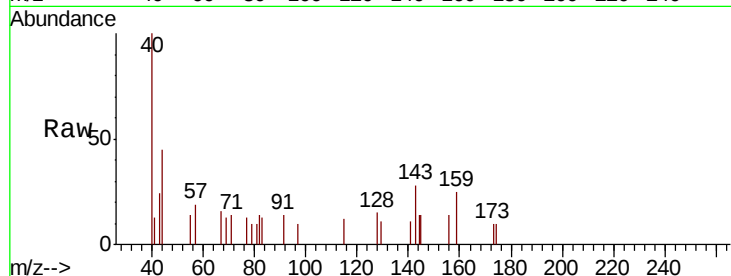
Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

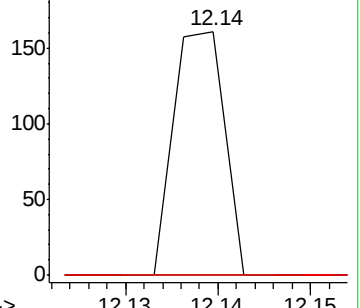
Tot Ion:173	Resp:	61
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.3 72.8#
254	0.0	0.0 0.0



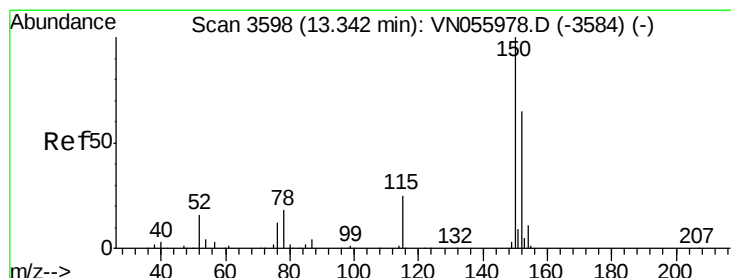
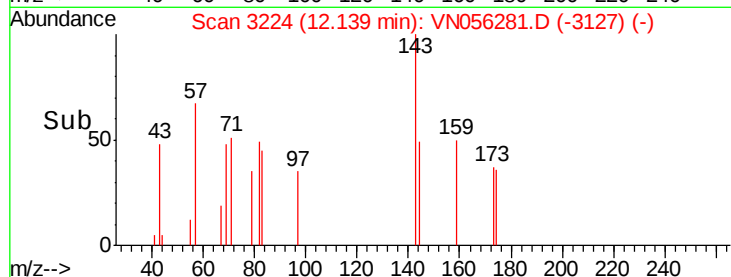
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

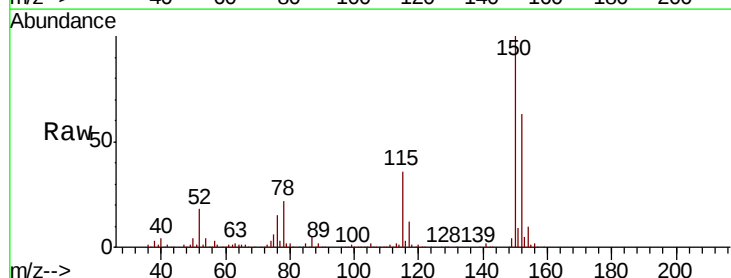
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

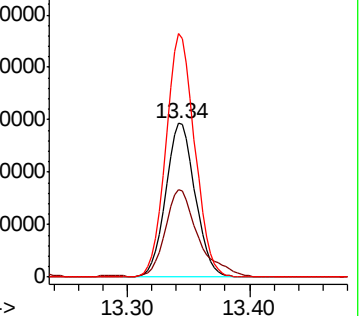
Tgt Ion:152	Resp:	246795
Ion Ratio	Lower	Upper
152	100	
115	62.8	27.0 81.0
150	154.9	0.0 343.2



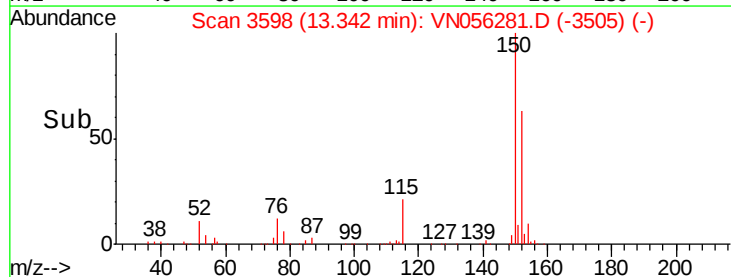
Abundance Ion 151.90 (151.60 to 152.60): V

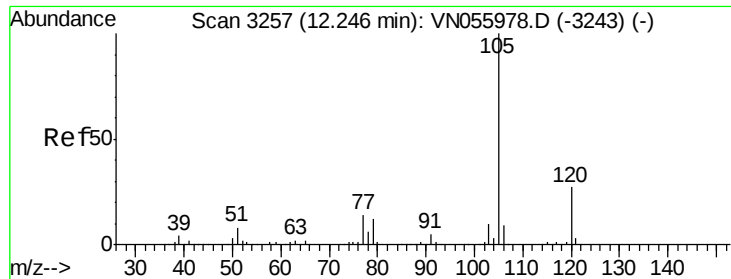
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 5.282 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

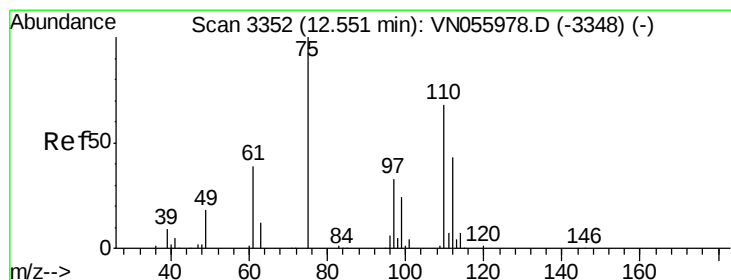
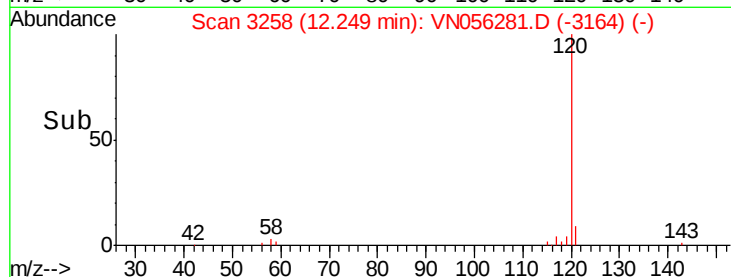
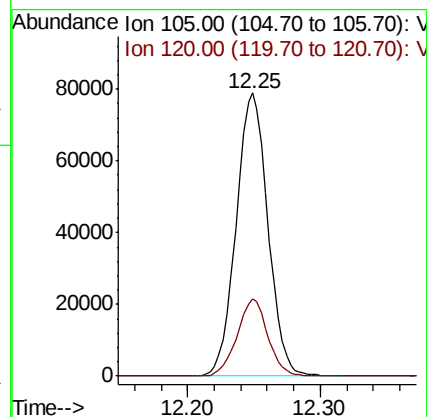
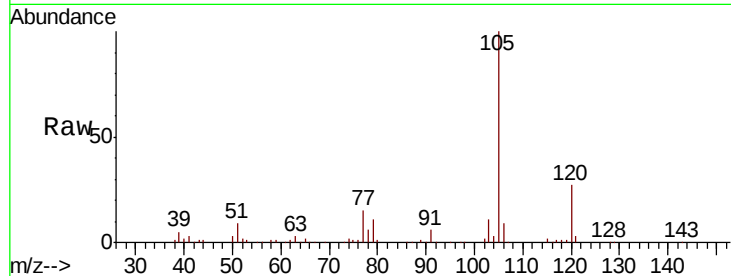
ClientSampleId :

Tot Ion:105 Resp: 130993

Ion Ratio Lower Upper

105 100

120 26.3 13.6 40.7



#76

1,2,3-Trichloropropane

Concen: 0.962 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. 0.14 min

Lab File: VN056281.D

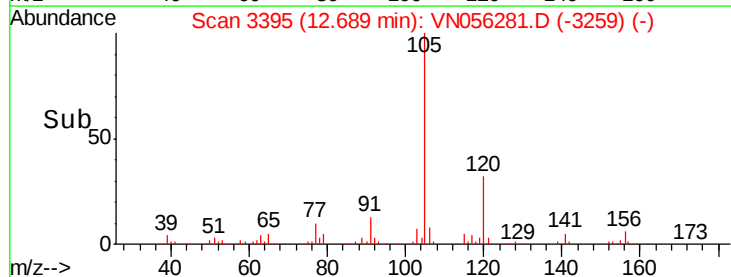
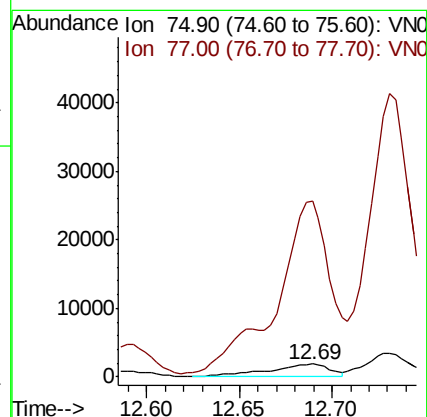
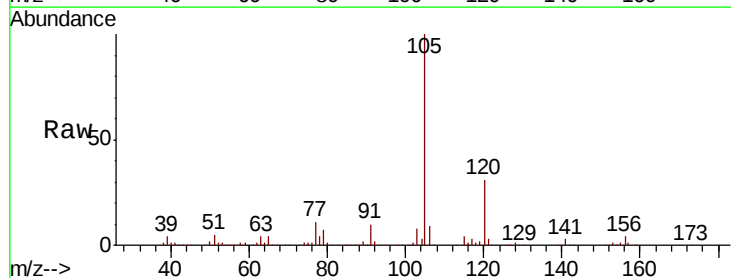
Acq: 13 Jun 2019 15:07

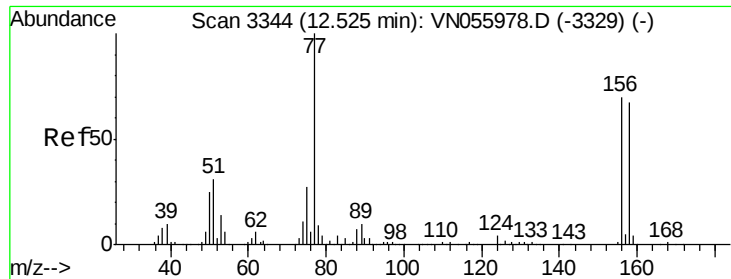
Tgt Ion: 75 Resp: 4370

Ion Ratio Lower Upper

75 100

77 968.6 0.0 0.0#





#77

Bromobenzene

Concen: 16.448 ug/l

RT: 12.53 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

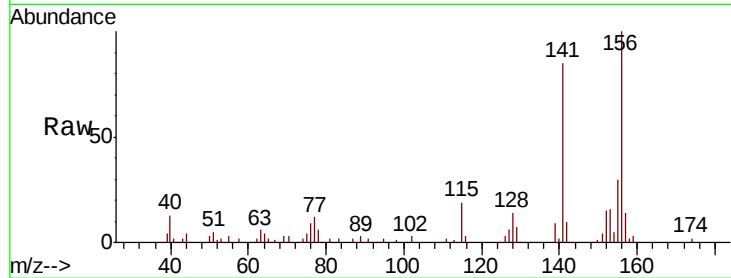
Tot Ion:156 Resp: 86908

Ion Ratio Lower Upper

156 100

77 0.0 90.8 272.5#

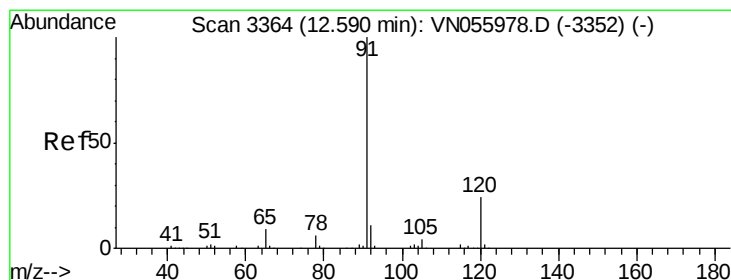
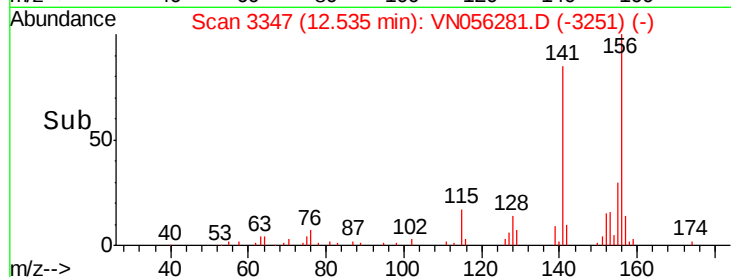
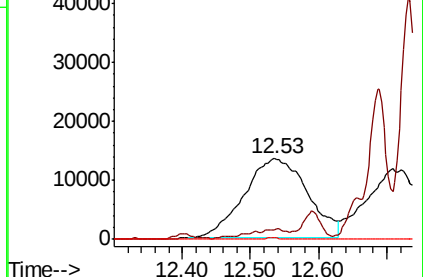
158 0.3 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.218 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056281.D

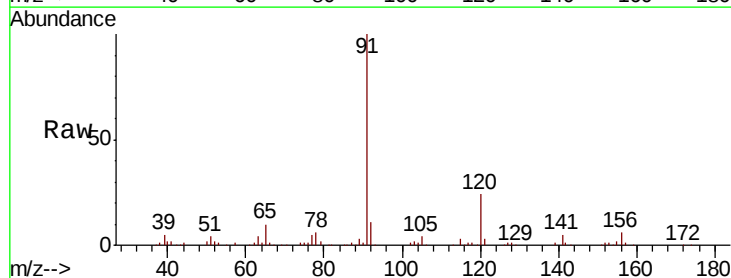
Acq: 13 Jun 2019 15:07

Tgt Ion: 91 Resp: 171579

Ion Ratio Lower Upper

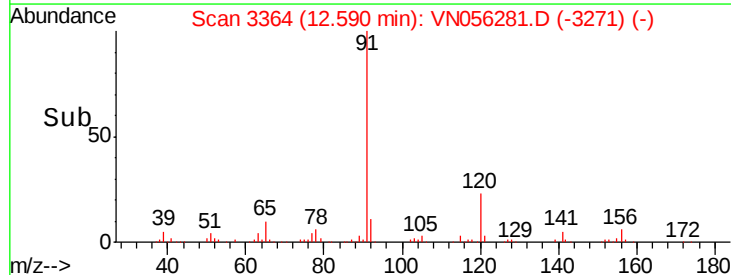
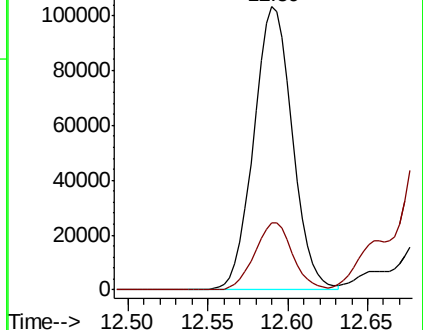
91 100

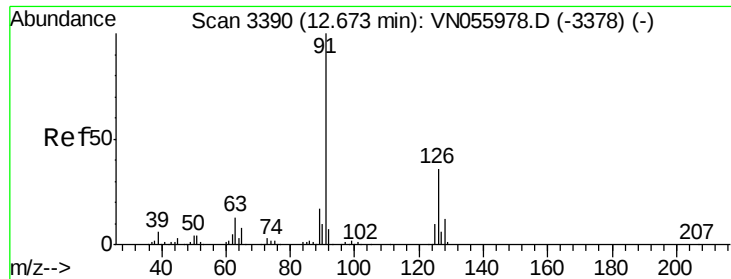
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.100 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

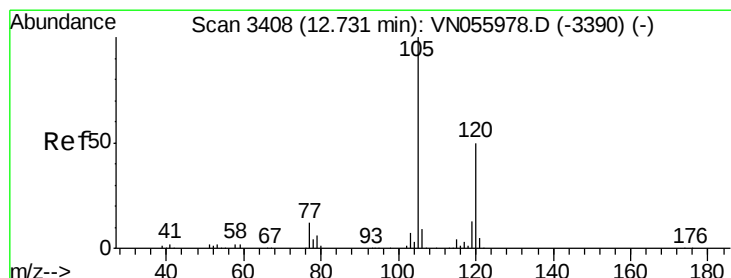
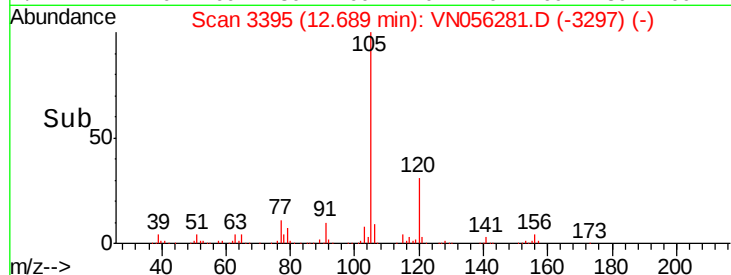
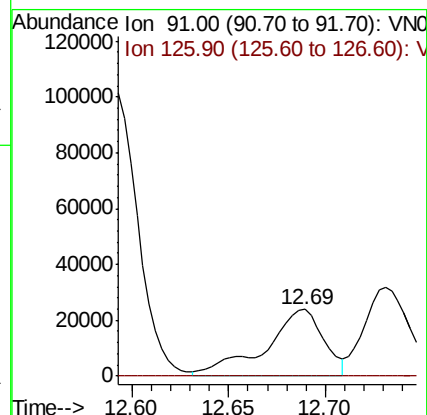
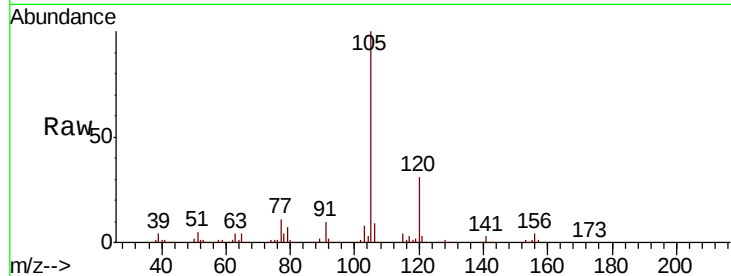
ClientSampleId :

Tot Ion: 91 Resp: 50075

Ion Ratio Lower Upper

91 100

126 0.6 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 31.584 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056281.D

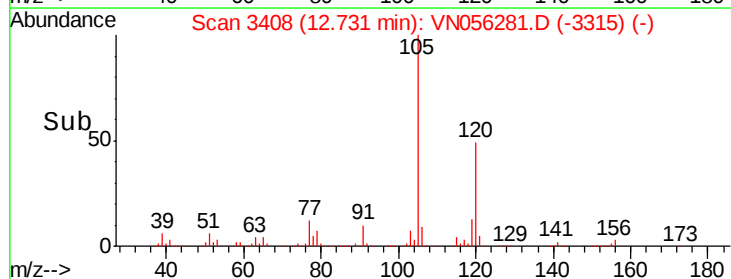
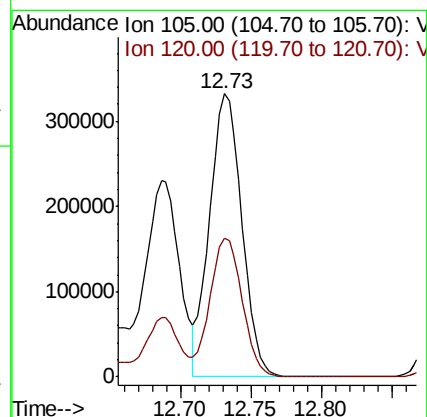
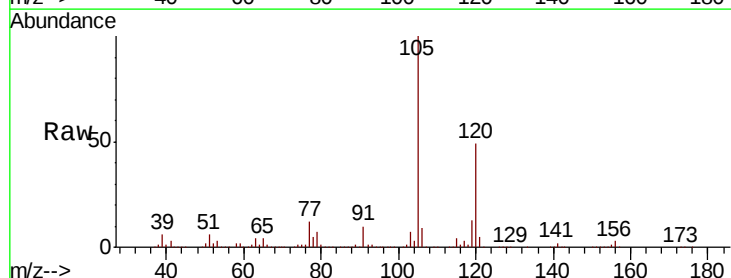
Acq: 13 Jun 2019 15:07

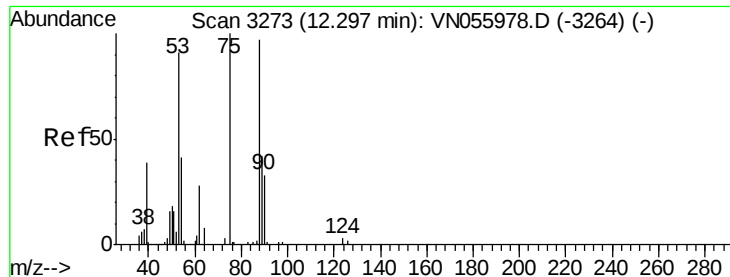
Tgt Ion: 105 Resp: 524084

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 90.840 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

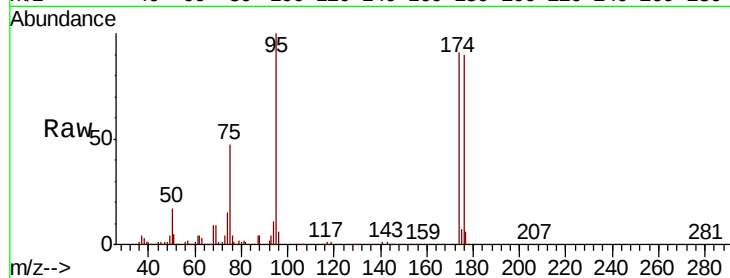
Tot Ion: 75 Resp: 123872

Ion Ratio Lower Upper

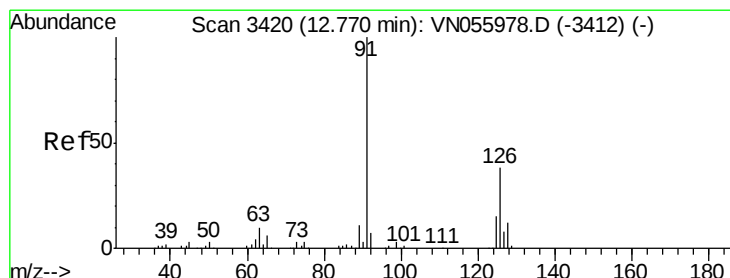
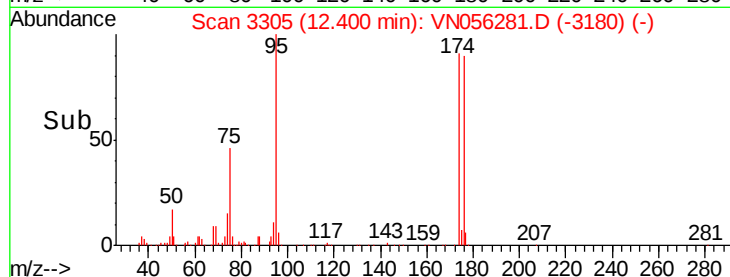
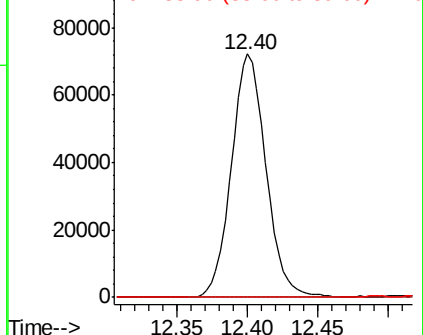
75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 4.266 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056281.D

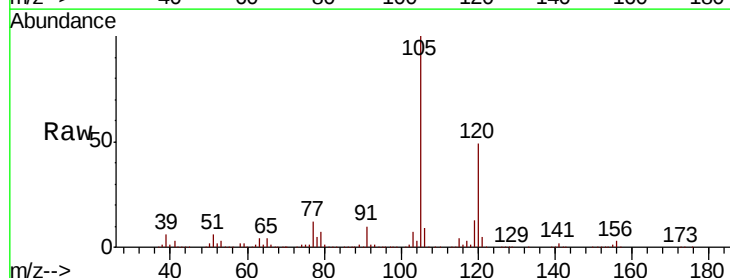
Acq: 13 Jun 2019 15:07

Tgt Ion: 91 Resp: 52111

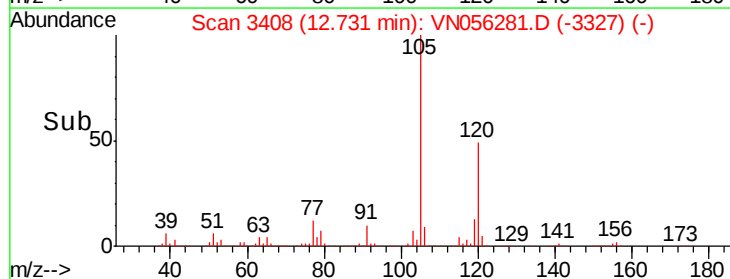
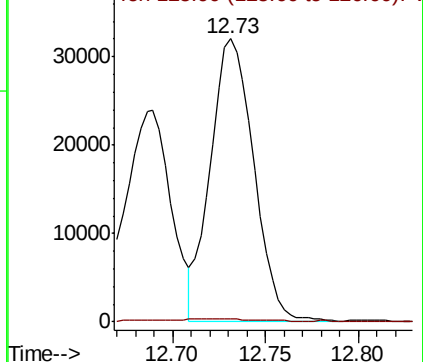
Ion Ratio Lower Upper

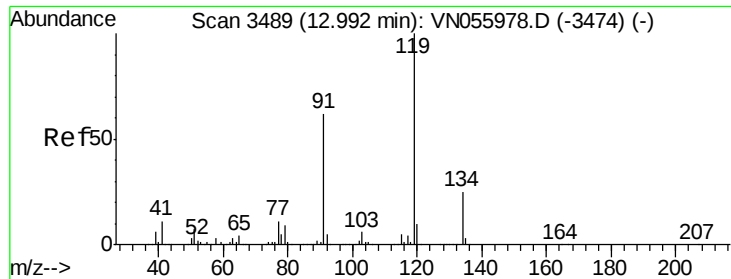
91 100

126 1.9 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

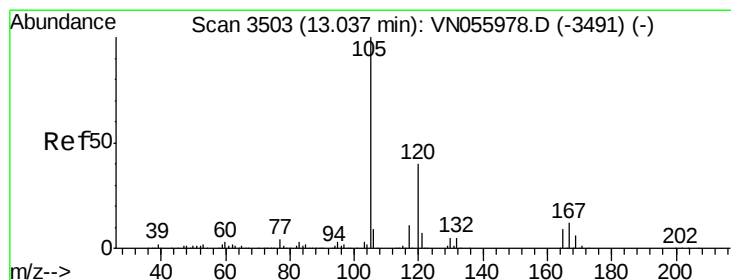
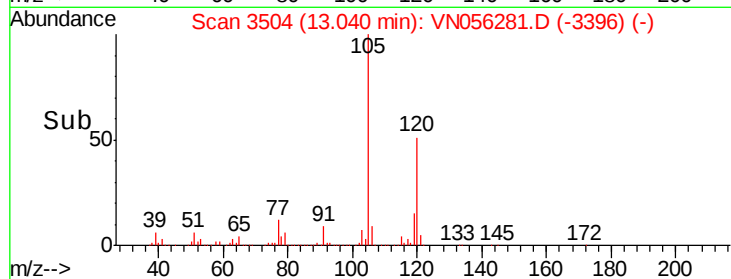
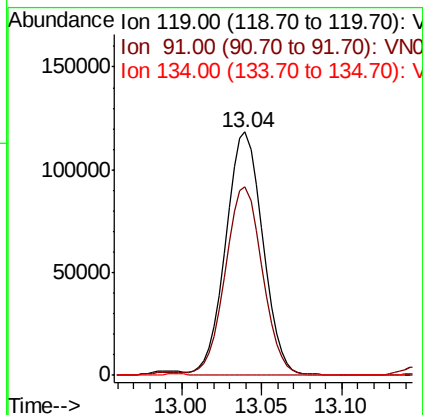
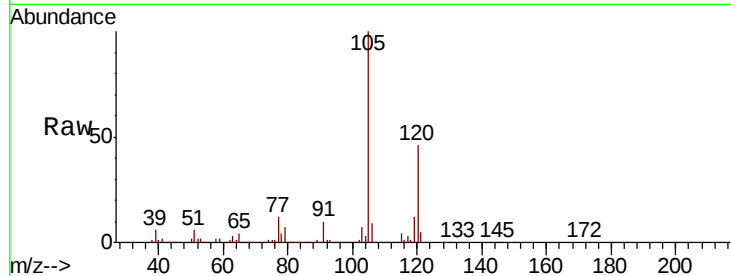




#83
tert-Butylbenzene
Concen: 12.488 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

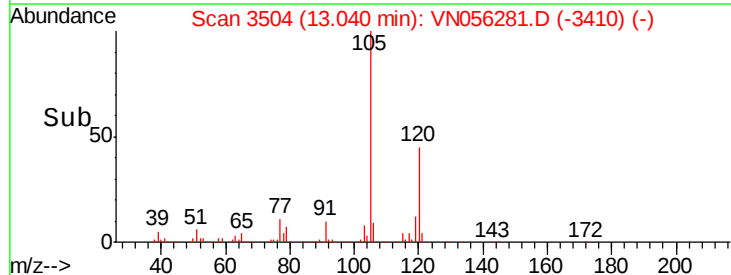
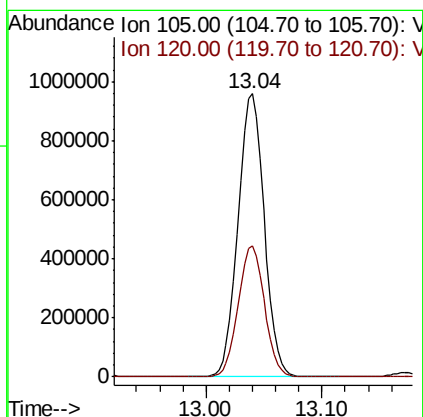
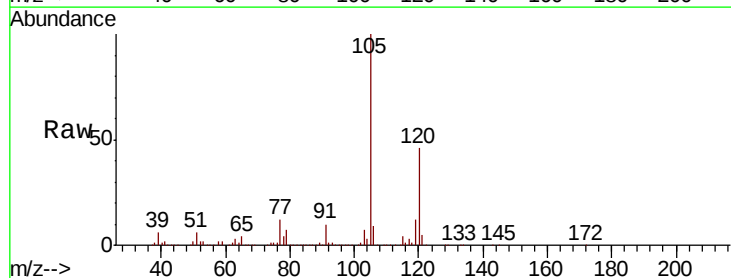
Instrument :
MSVOA_N
ClientSampleId :

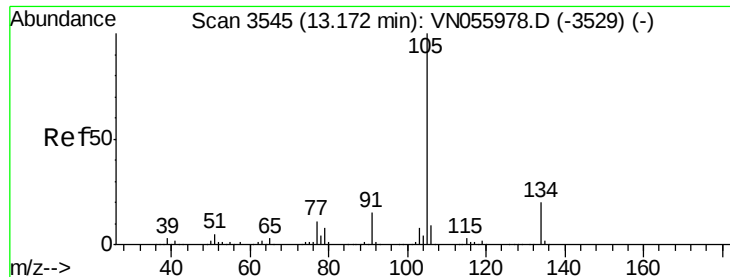
Tot Ion:119 Resp: 187133
Ion Ratio Lower Upper
119 100
91 77.0 30.9 92.8
134 0.0 13.3 39.8#



#84
1,2,4-Trimethylbenzene
Concen: 95.445 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion:105 Resp: 1501884
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 81.227 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

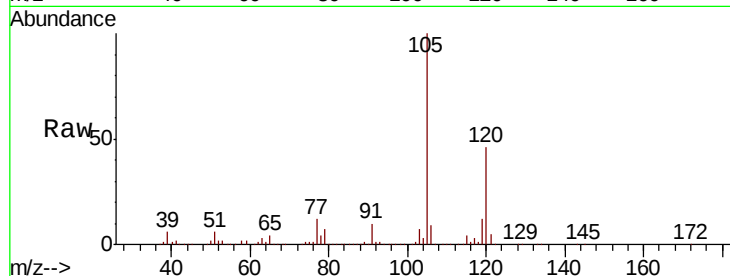
ClientSampled :

Tot Ion:105 Resp: 1501884

Ion Ratio Lower Upper

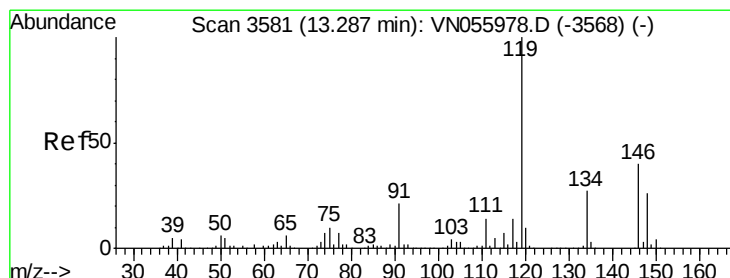
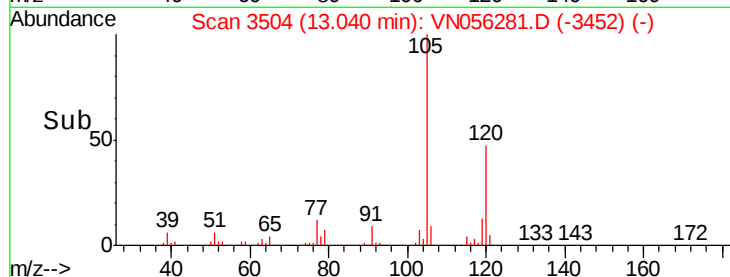
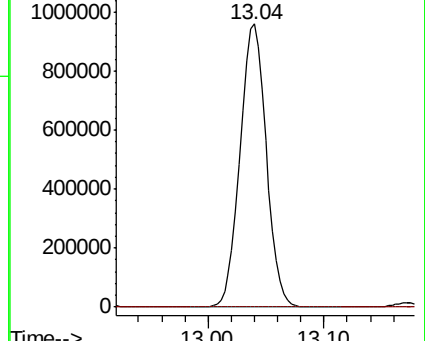
105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.504 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

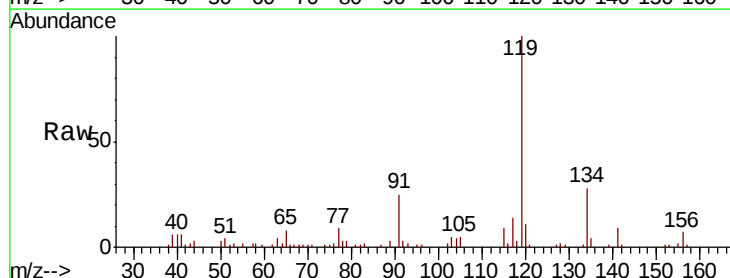
Tgt Ion:119 Resp: 41442

Ion Ratio Lower Upper

119 100

134 28.1 13.4 40.1

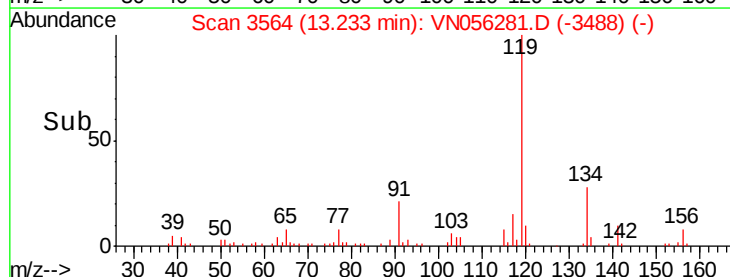
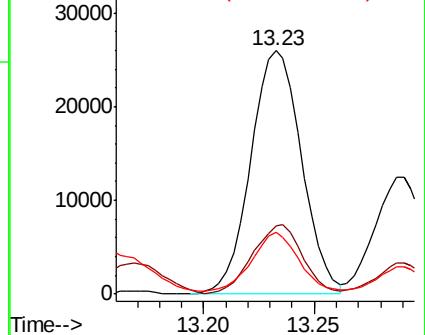
91 22.0 10.9 32.9

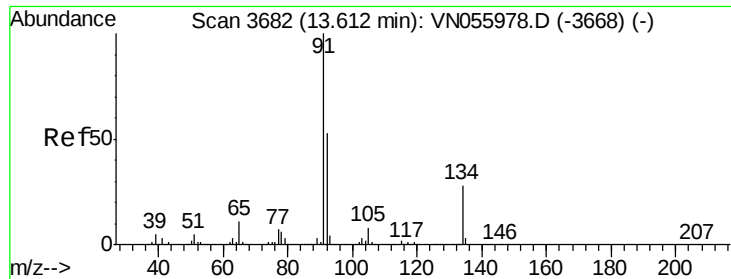


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

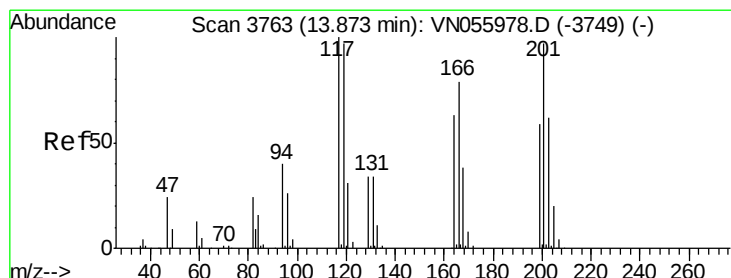
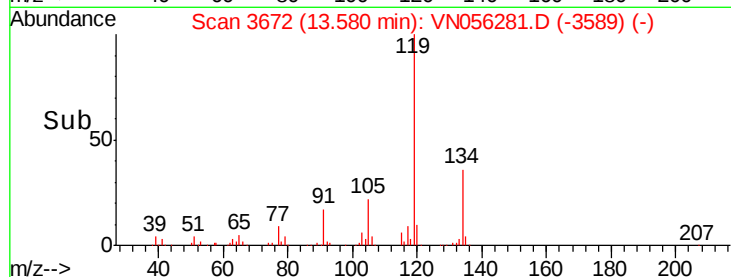
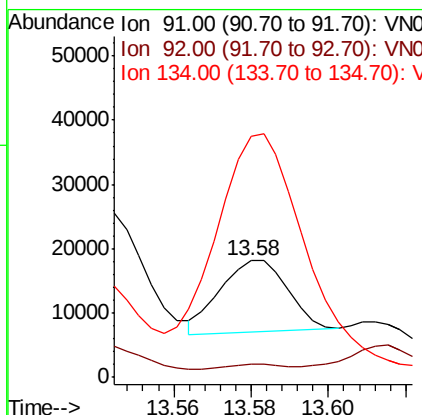
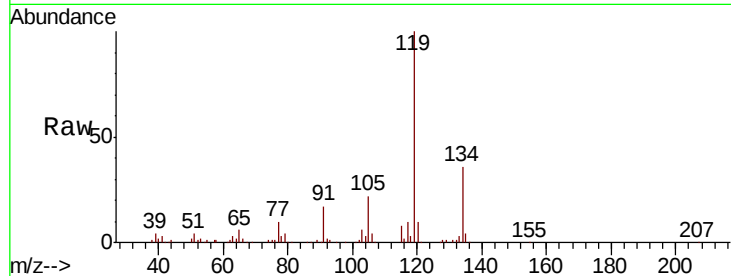




#89
n-Butylbenzene
Concen: 1.102 ug/l
RT: 13.58 min Scan# 3672
Delta R.T. -0.03 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

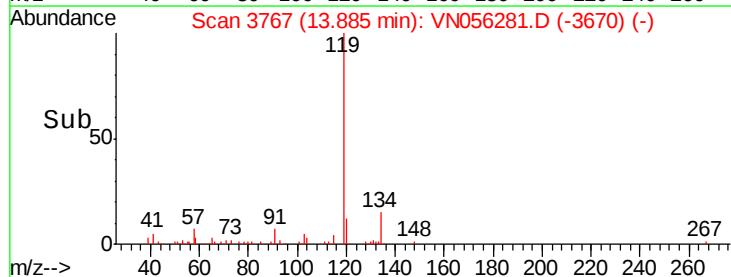
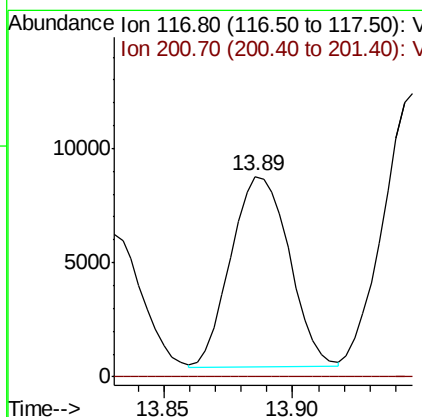
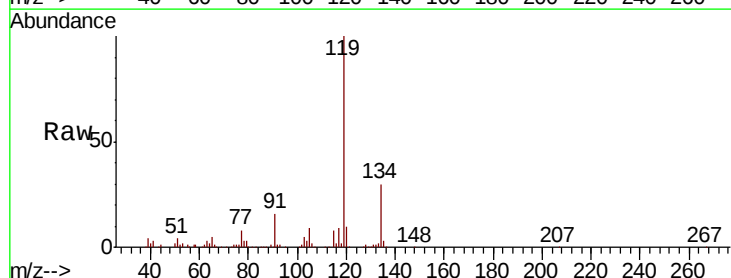
Instrument :
MSVOA_N
ClientSampleId :

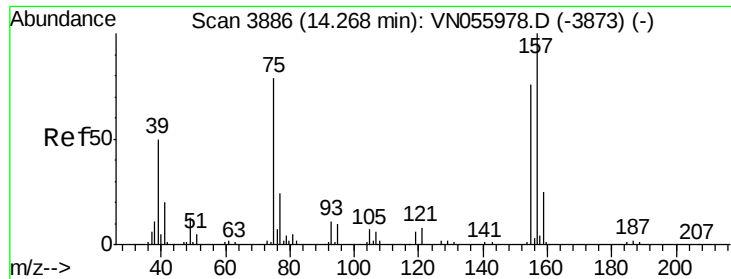
Tot Ion: 91 Resp: 13508
Ion Ratio Lower Upper
91 100
92 19.4 26.4 79.0#
134 478.8 13.9 41.7#



#90
Hexachloroethane
Concen: 5.271 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 117 Resp: 13155
Ion Ratio Lower Upper
117 100
201 0.0 50.0 150.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.586 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

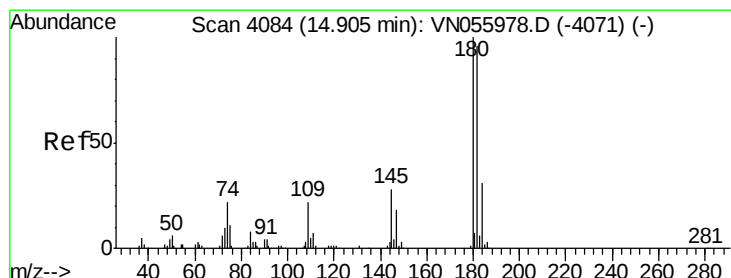
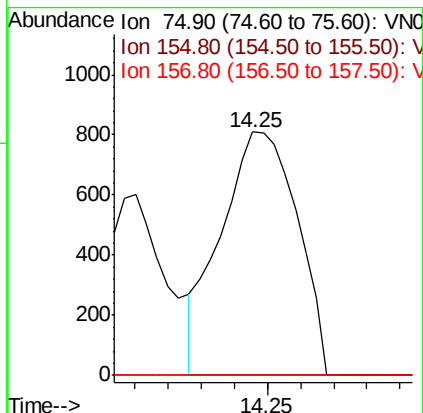
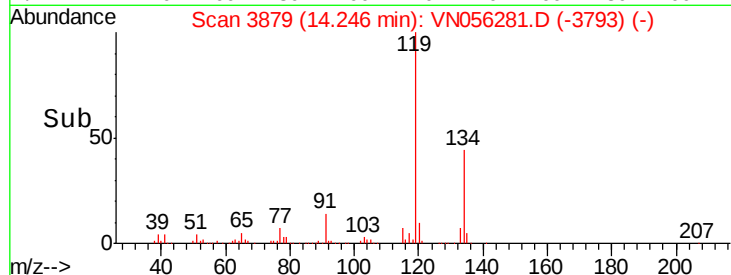
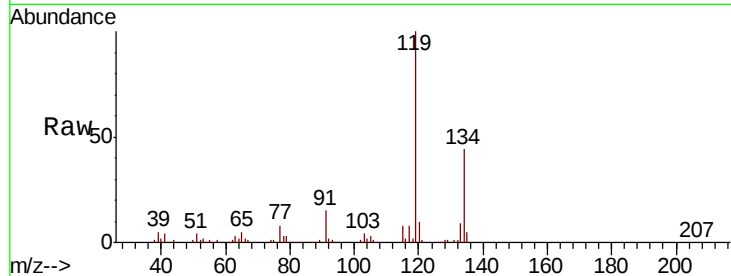
Tot Ion: 75 Resp: 1300

Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

157 0.0 64.8 194.3#



#93

1,2,4-Trichlorobenzene

Concen: 4.289 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

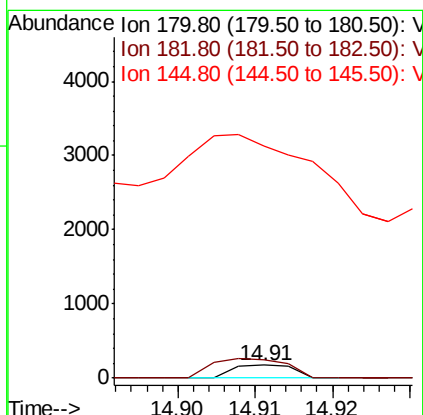
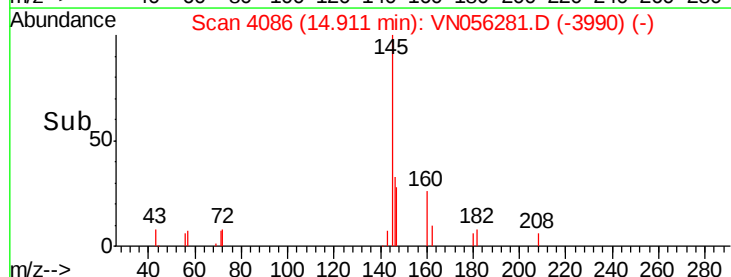
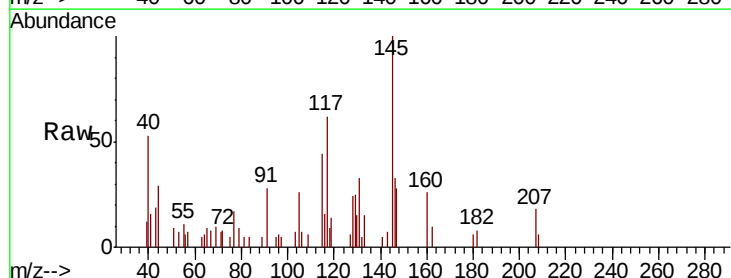
Tgt Ion: 180 Resp: 94

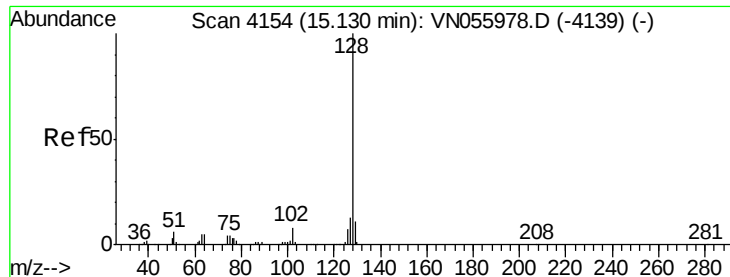
Ion Ratio Lower Upper

180 100

182 188.3 48.3 144.9#

145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 31.518 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

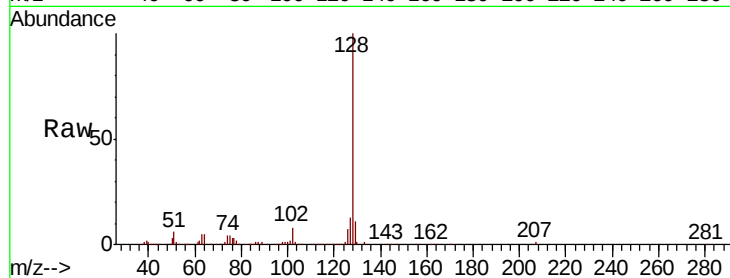
Tot Ion:128 Resp: 353843

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

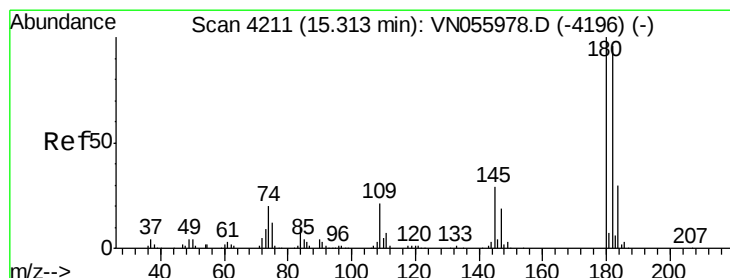
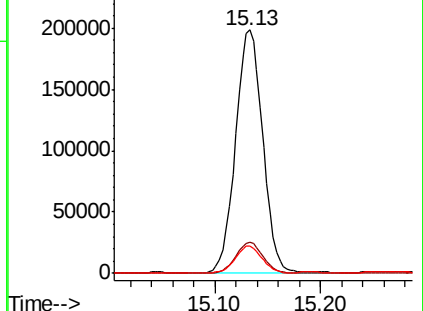
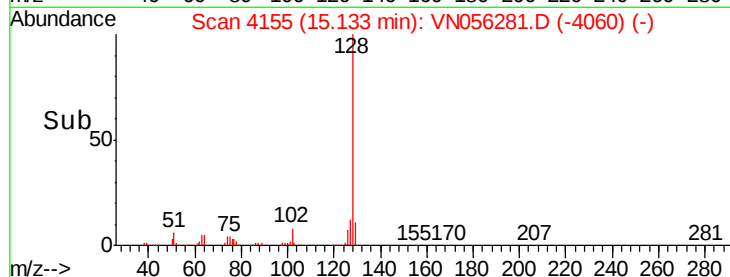
129 10.9 8.7 13.1



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: 3.055 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

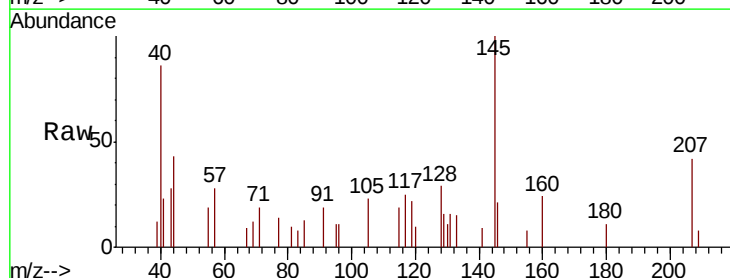
Tgt Ion:180 Resp: 117

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

145 7312.0 14.9 44.7#



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

