

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057029.D
 Acq On : 1 Aug 2019 11:58
 Operator : JC/SP
 Sample : VN0801WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

Quant Time: Aug 02 05:11:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	541781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	778615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	622665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	299517	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	7.58	113	272281	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
50) Toluene-d8	10.08	98	1010096	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.40	95	264785	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

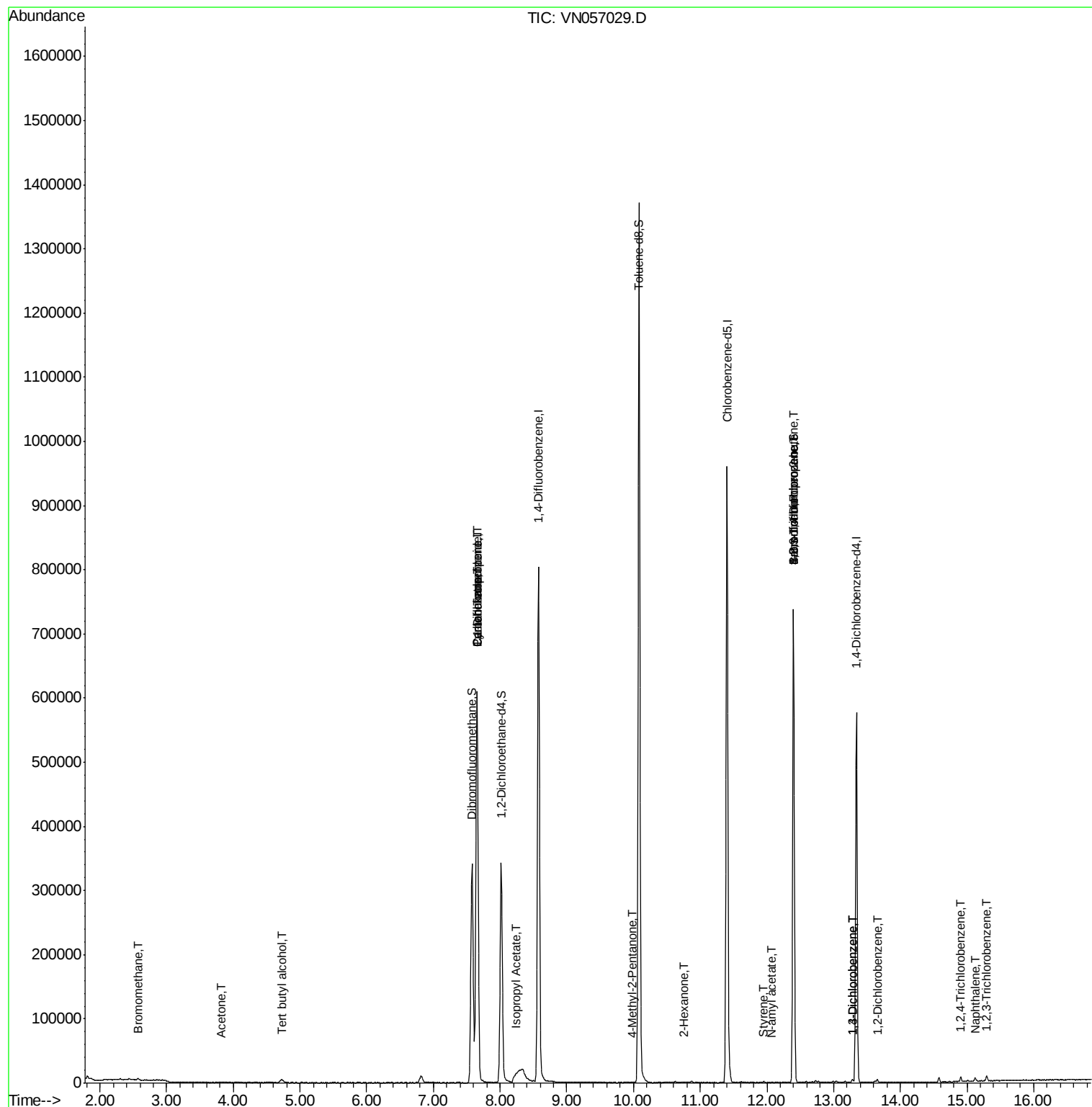
						Qvalue
5) Bromomethane	2.57	94	1206	0.315	ug/l	81
11) Tert butyl alcohol	4.72	59	3088	4.119	ug/l #	74
16) Acetone	3.81	43	689	0.343	ug/l #	41
31) Cyclohexane	7.65	56	8241	0.904	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34654	5.058	ug/l #	48
38) Carbon Tetrachloride	7.65	117	45490	7.019	ug/l #	18
43) Isopropyl Acetate	8.23	43	9712	1.071	ug/l #	52
51) 4-Methyl-2-Pentanone	9.98	43	1430	0.265	ug/l #	65
59) 2-Hexanone	10.74	43	642	2.653	ug/l	95
70) Styrene	11.96	104	551	1.905	ug/l #	78
71) Bromoform	12.40	173	2534	0.760	ug/l #	1
74) N-amyl acetate	12.08	43	946	0.218	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	120193	34.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120193	109.854	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2117	0.356	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	2117	0.370	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	2625	0.449	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	2841	3.603	ug/l	99
94) Hexachlorobutadiene	15.00	225	491	Below Cal		83
95) Naphthalene	15.12	128	5811	4.321	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	3213	3.061	ug/l	96

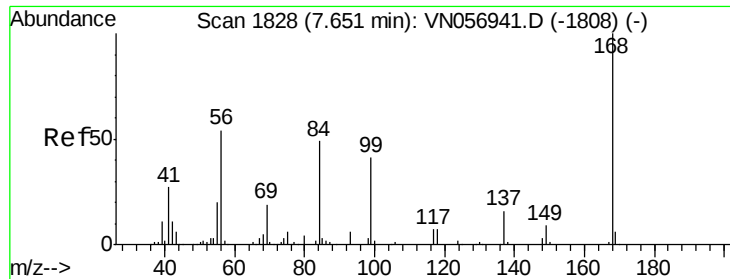
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057029.D
Acq On : 1 Aug 2019 11:58
Operator : JC/SP
Sample : VN0801WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBL02

Quant Time: Aug 02 05:11:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

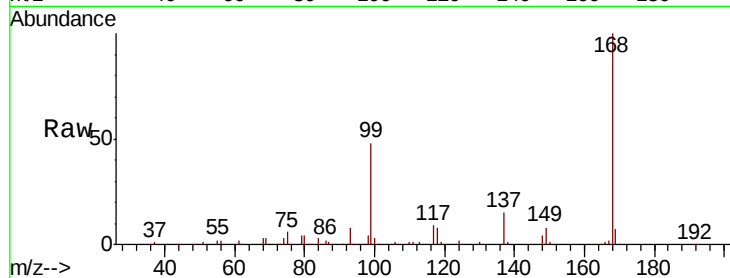
VN0801WBL02

Tot Ion:168 Resp: 541781

Ion Ratio Lower Upper

168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

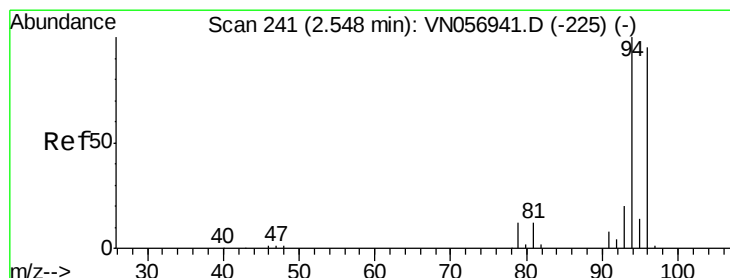
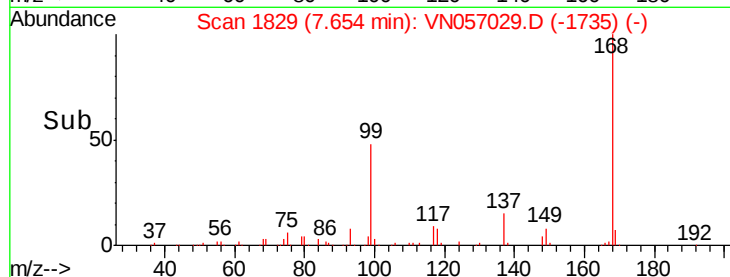
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.315 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN057029.D

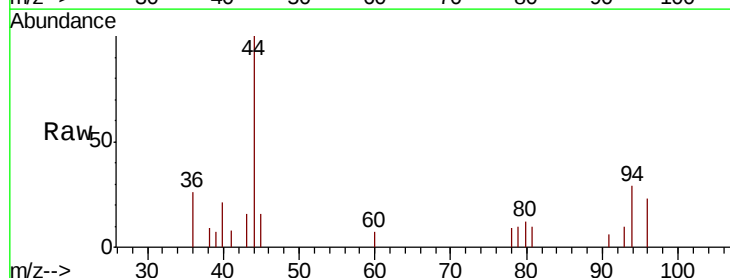
Acq: 1 Aug 2019 11:58

Tgt Ion: 94 Resp: 1206

Ion Ratio Lower Upper

94 100

96 76.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

800

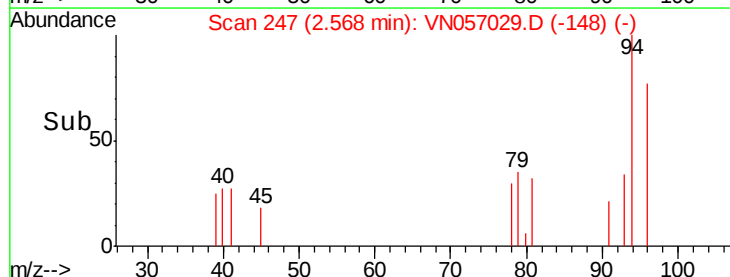
600

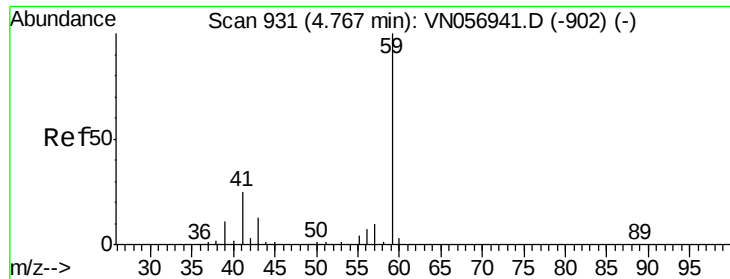
400

200

0

Time-->



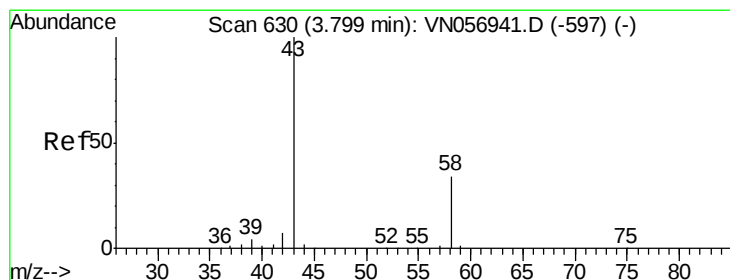
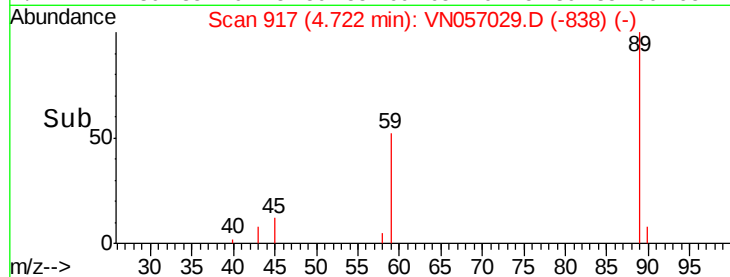
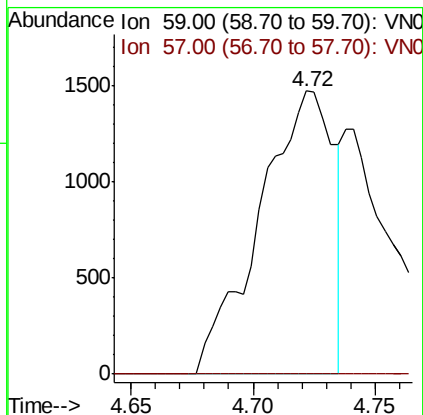
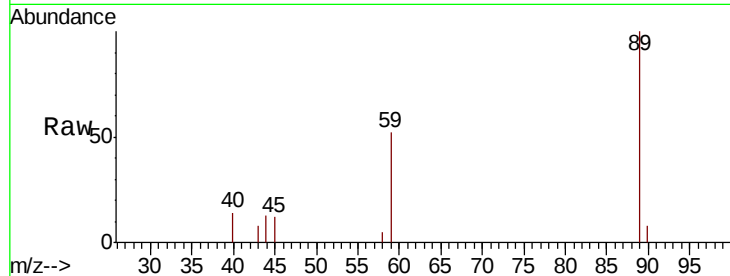


#11

Tert butyl alcohol
 Concen: 4.119 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.04 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

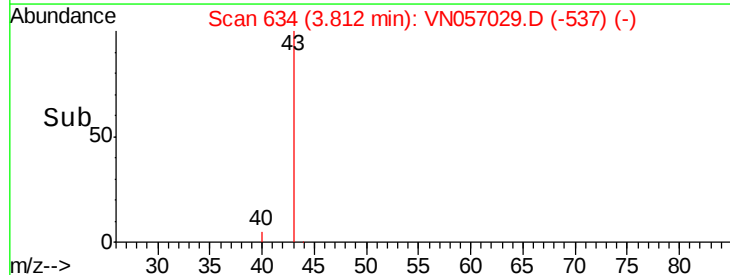
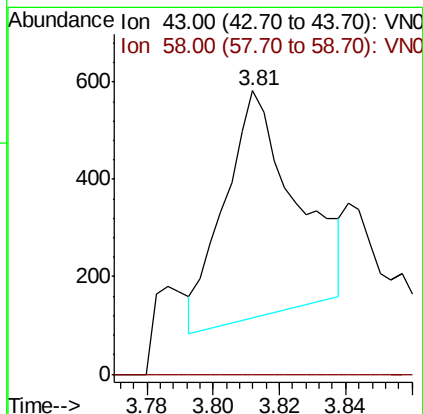
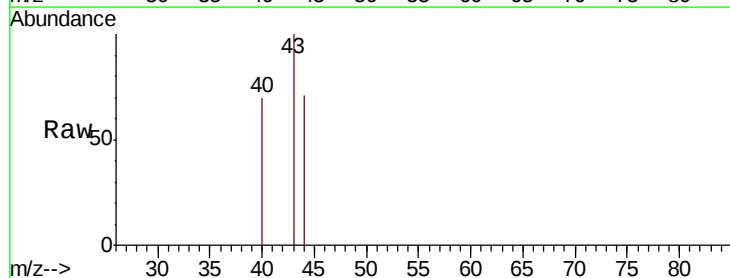
Tot Ion: 59 Resp: 3088
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

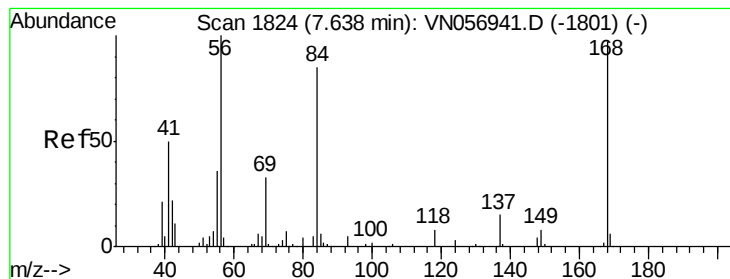


#16

Acetone
 Concen: 0.343 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Tgt Ion: 43 Resp: 689
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.2 40.8#





#31

Cyclohexane

Concen: 0.904 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBL02

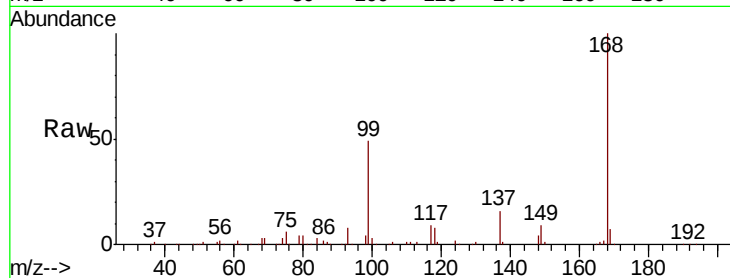
Tot Ion: 56 Resp: 8241

Ion Ratio Lower Upper

56 100

69 179.9 26.2 39.2#

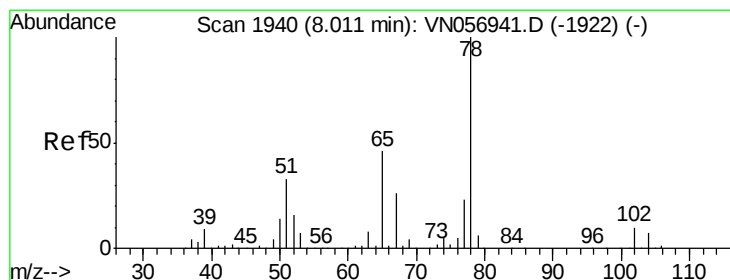
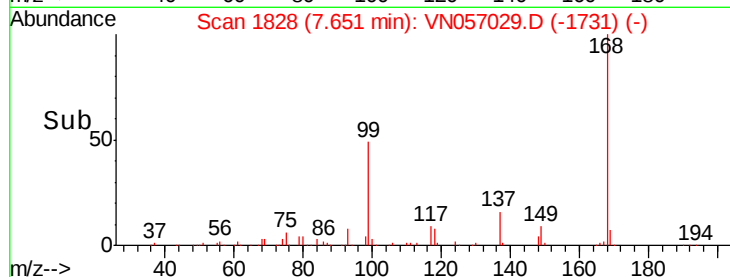
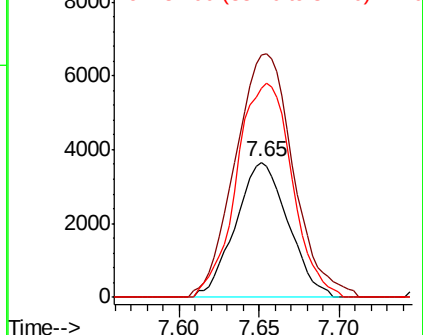
84 154.4 68.2 102.2#



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: 54.007 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057029.D

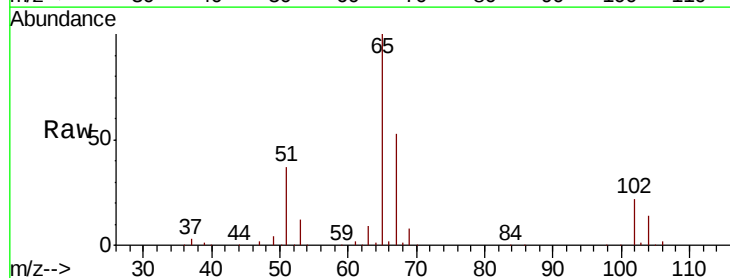
Acq: 1 Aug 2019 11:58

Tgt Ion: 65 Resp: 299517

Ion Ratio Lower Upper

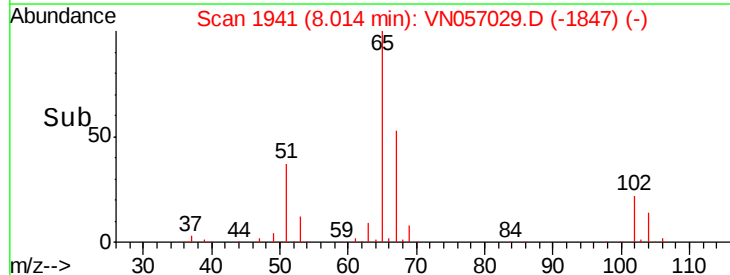
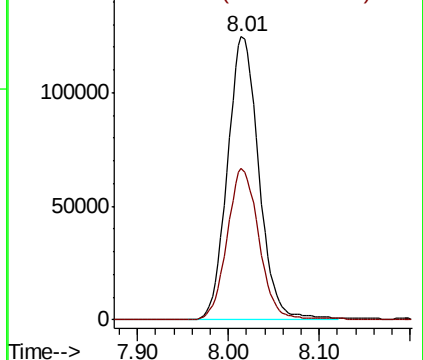
65 100

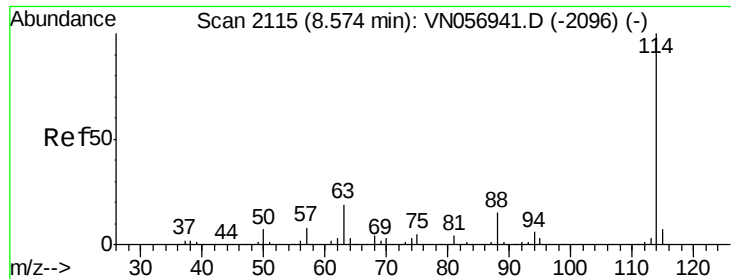
67 53.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

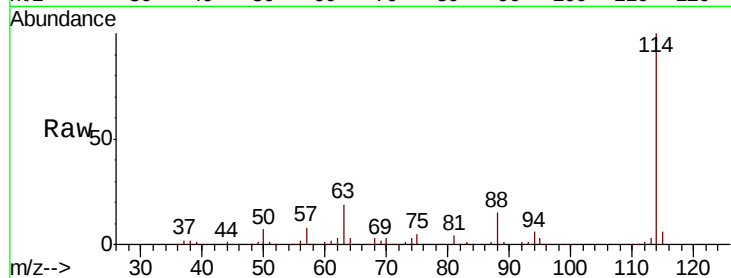




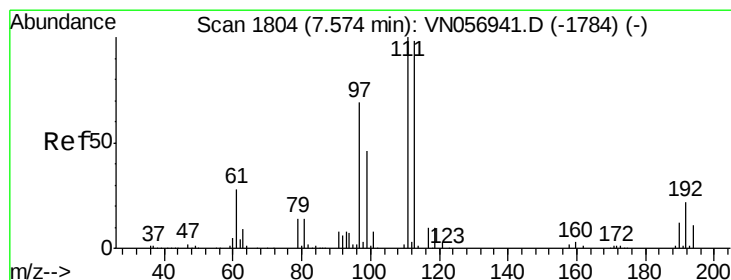
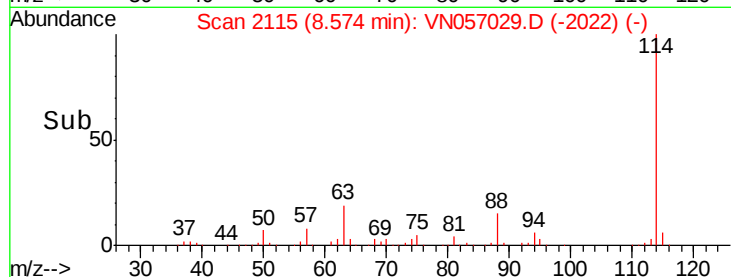
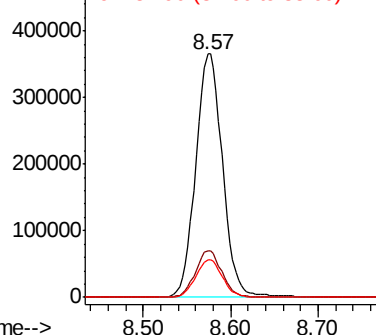
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.2	0.0	30.0

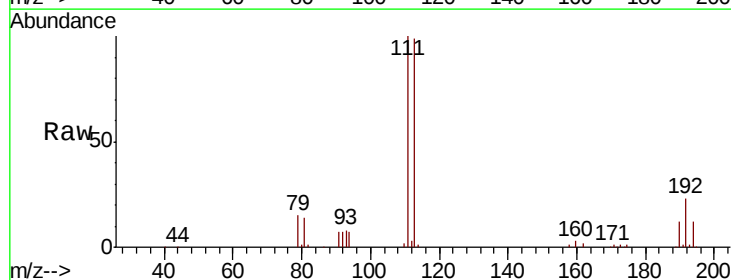


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

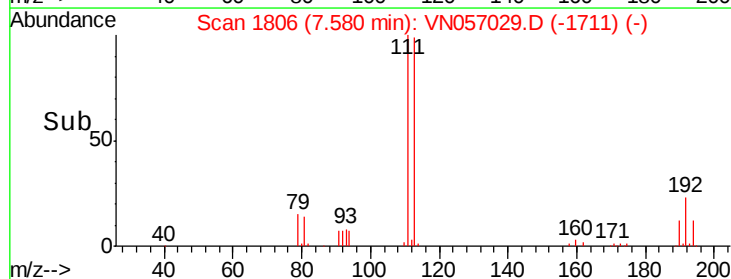
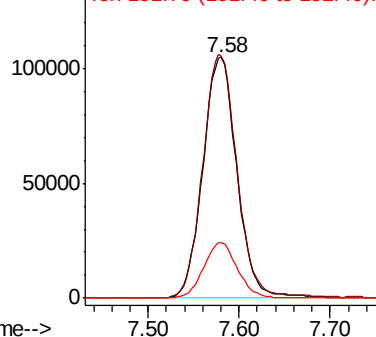


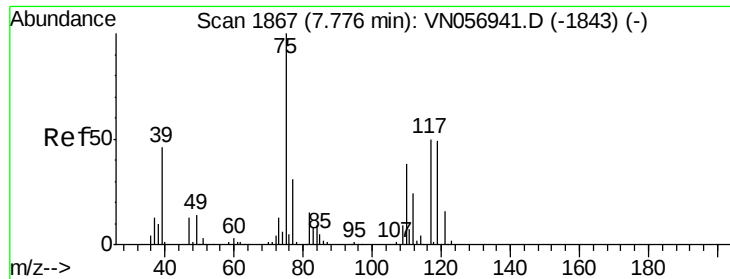
#35
Dibromofluoromethane
Concen: 54.626 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	22.9	18.4	27.6



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

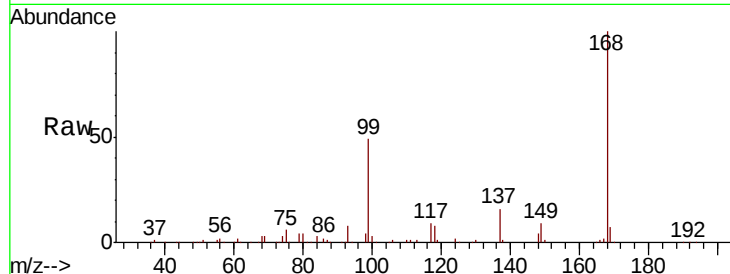




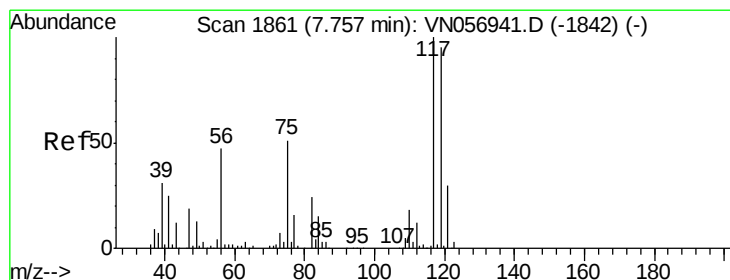
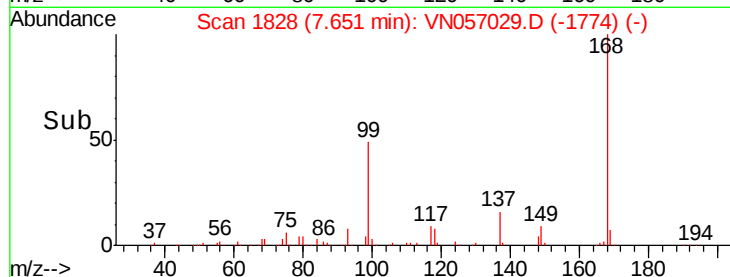
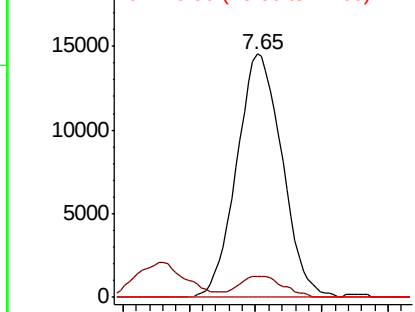
#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

Tot Ion: 75 Resp: 34654
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.6 55.8#
 77 0.0 25.2 37.8#

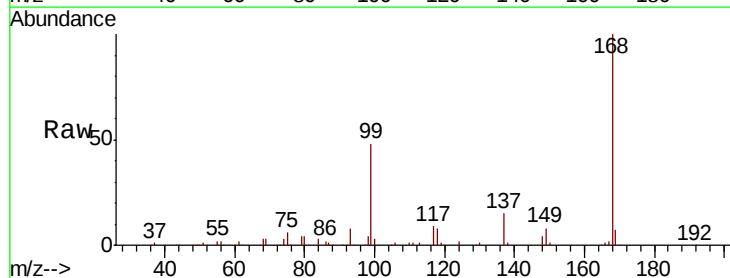


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

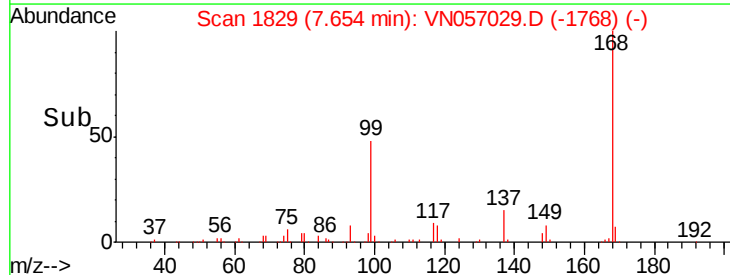
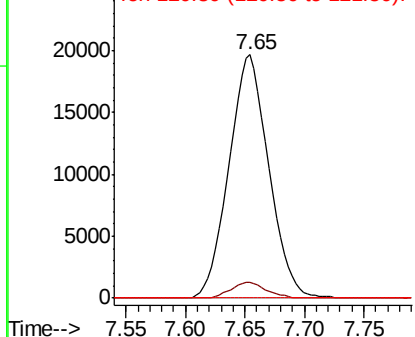


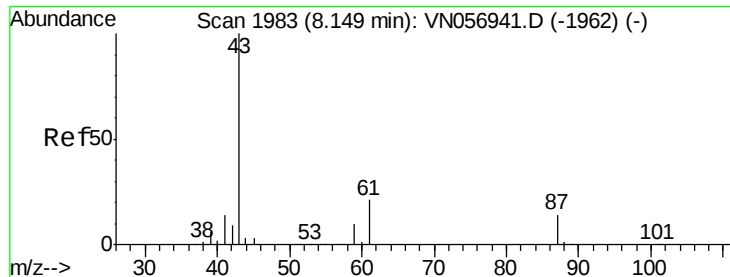
#38
 Carbon Tetrachloride
 Concen: 7.019 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Tgt Ion: 117 Resp: 45490
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.3 112.9#
 121 0.0 24.2 36.4#



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





#43

Isopropyl Acetate

Concen: 1.071 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.08 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBL02

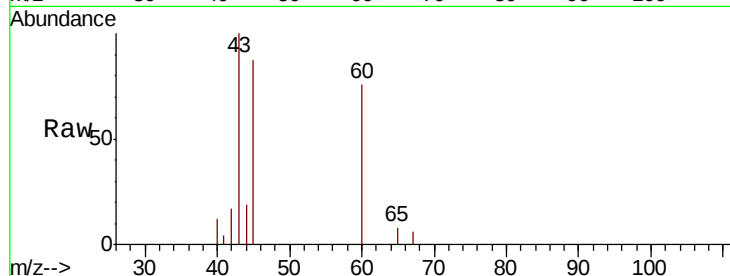
Tot Ion: 43 Resp: 9712

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

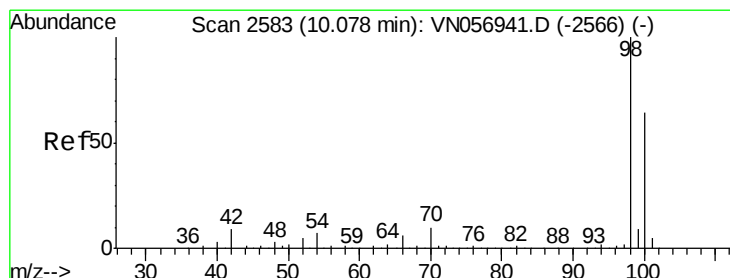
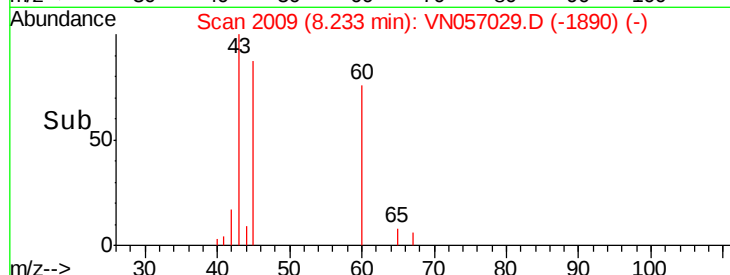
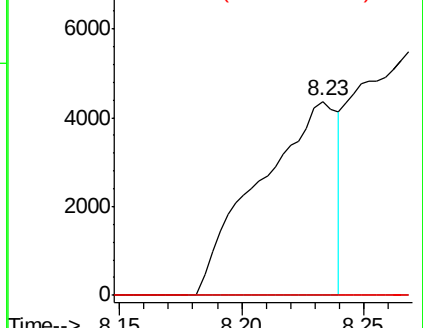
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.141 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057029.D

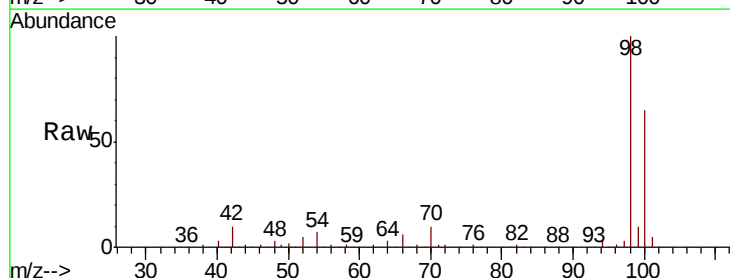
Acq: 1 Aug 2019 11:58

Tgt Ion: 98 Resp: 1010096

Ion Ratio Lower Upper

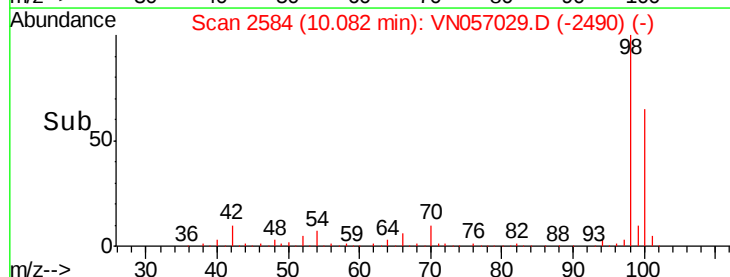
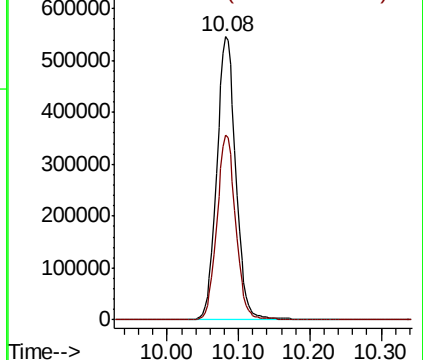
98 100

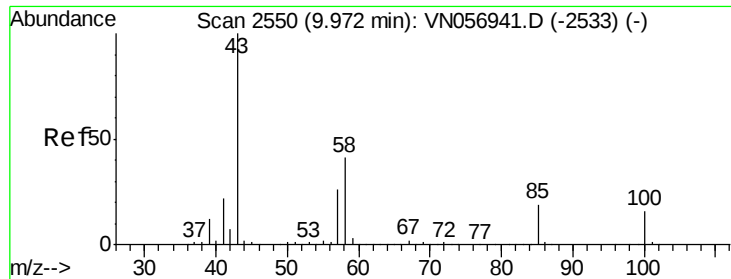
100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

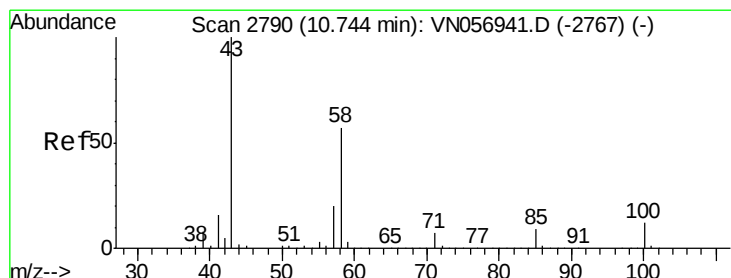
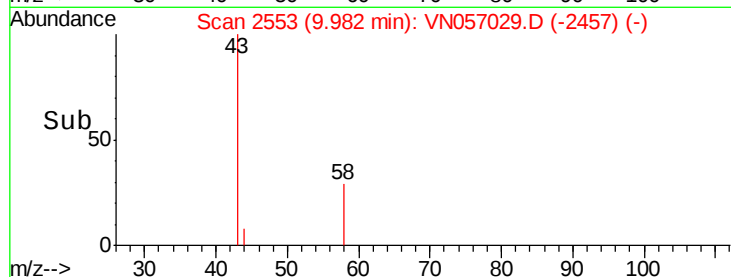
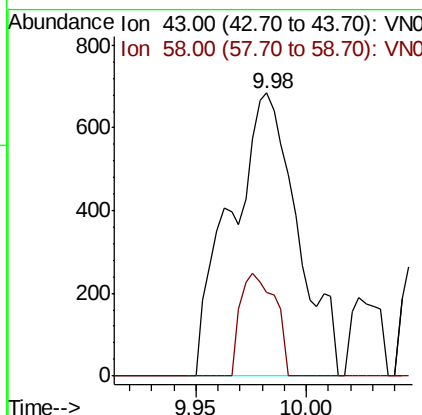
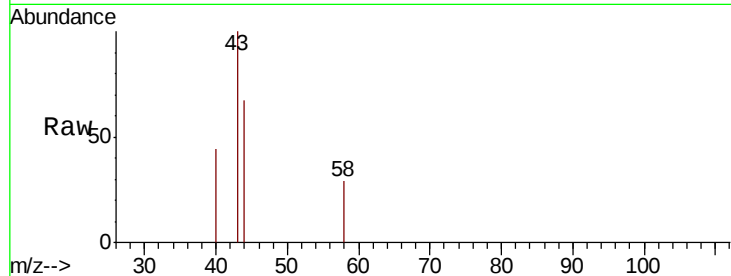




#51
 4-Methyl-2-Pentanone
 Concen: 0.265 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

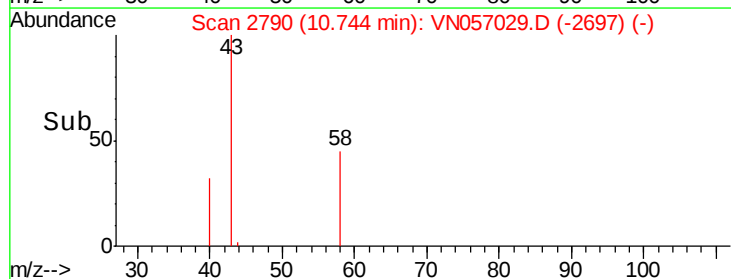
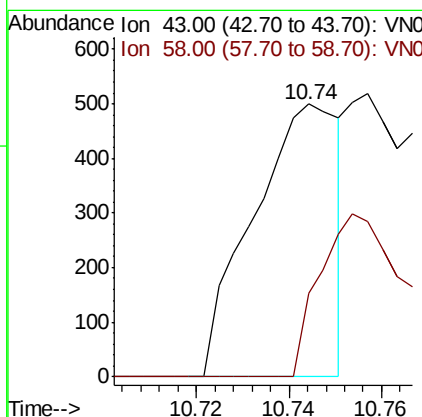
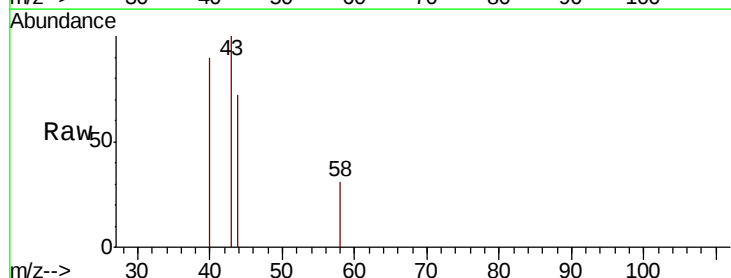
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

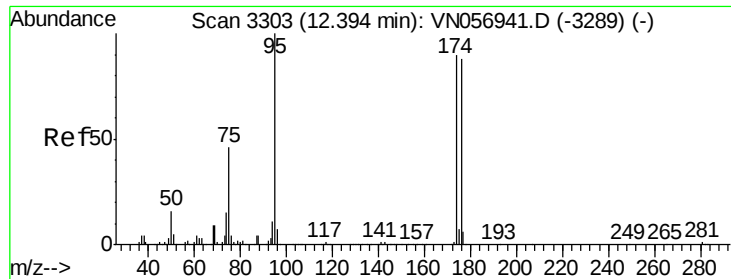
Tot Ion: 43 Resp: 1430
 Ion Ratio Lower Upper
 43 100
 58 19.2 33.1 49.7#



#59
 2-Hexanone
 Concen: 2.653 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Tgt Ion: 43 Resp: 642
 Ion Ratio Lower Upper
 43 100
 58 53.3 28.5 85.5

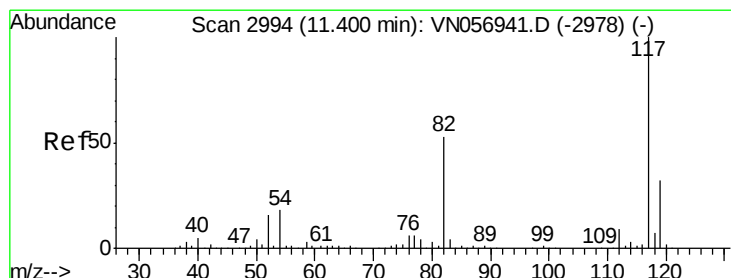
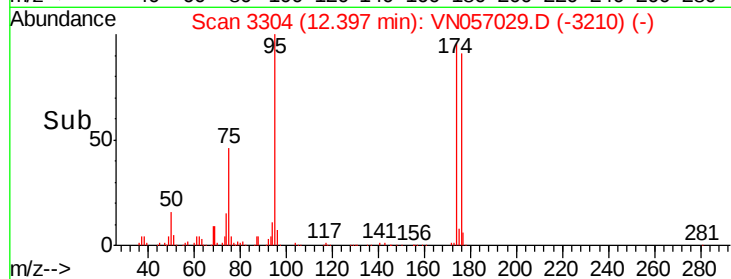
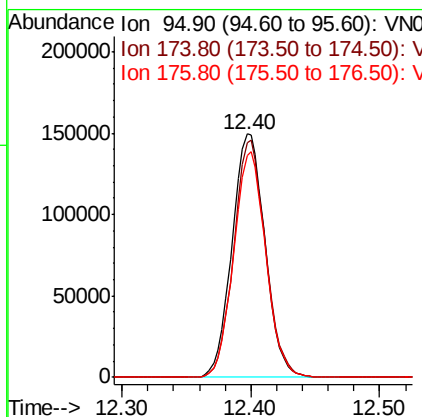
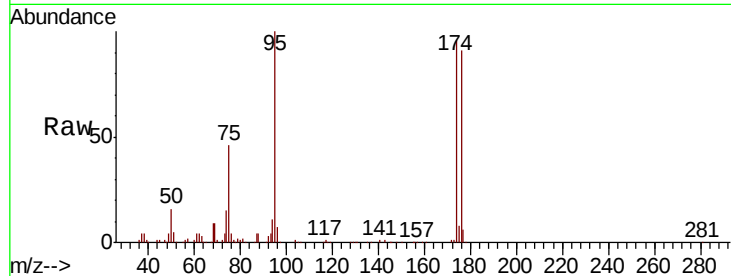




#62
4-Bromofluorobenzene
Concen: 42.790 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

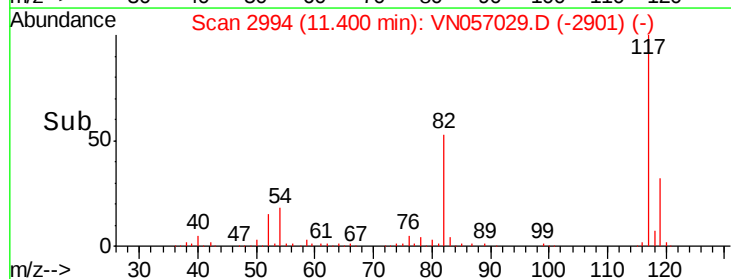
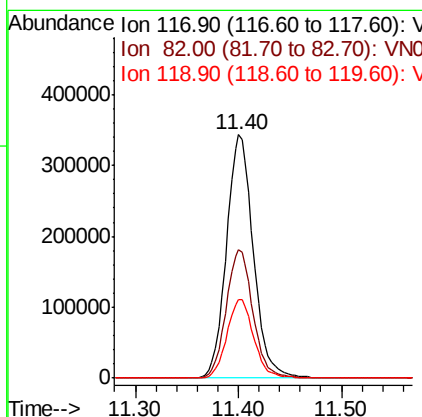
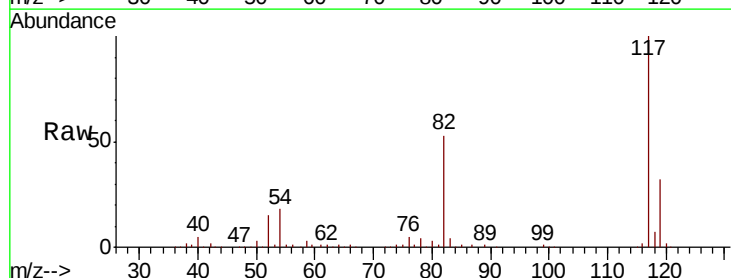
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBL02

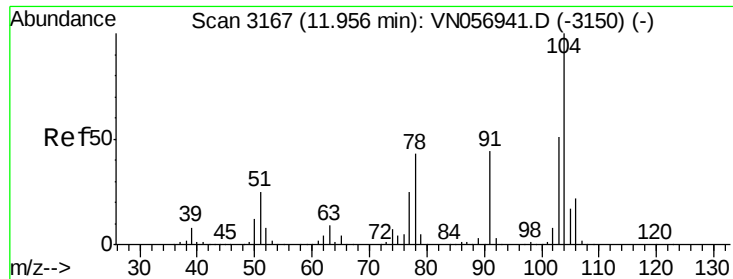
Tot Ion: 95 Resp: 264785
Ion Ratio Lower Upper
95 100
174 94.0 0.0 182.2
176 90.5 0.0 179.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

Tgt Ion: 117 Resp: 622665
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.3 25.8 38.6

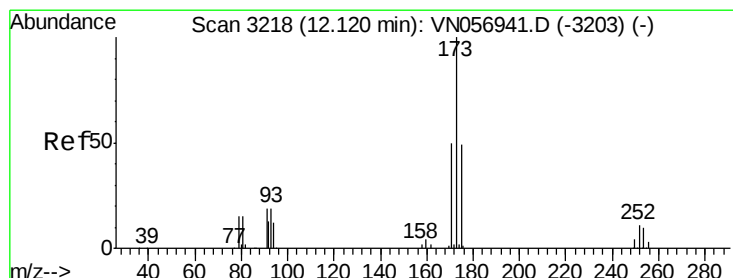
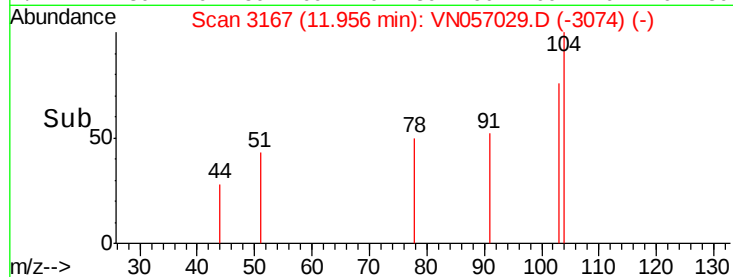
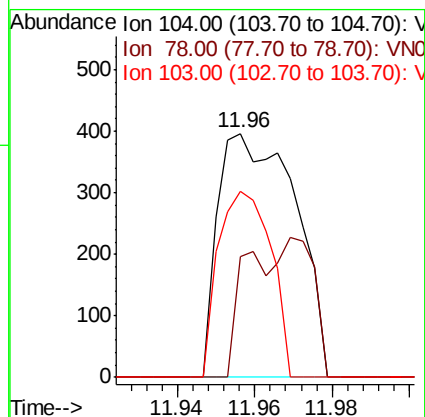
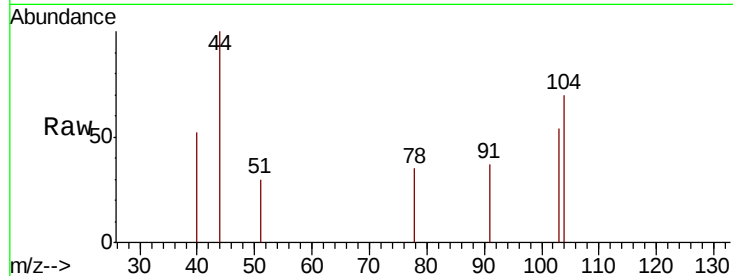




#70
Stvrene
Concen: 1.905 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

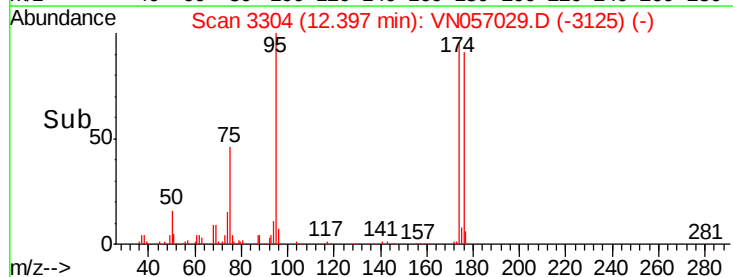
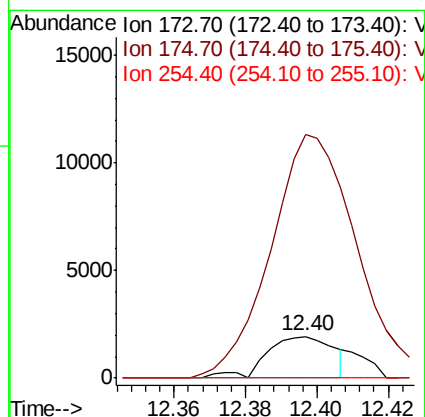
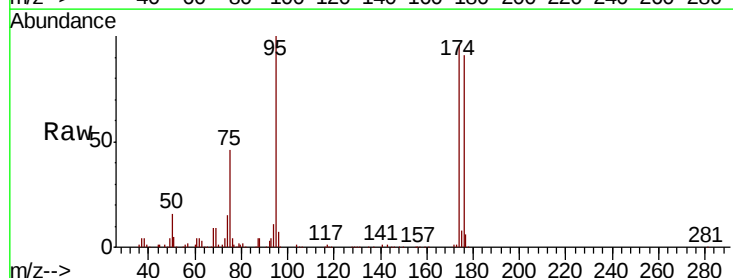
Instrument :
MSVOA_N
ClientSampled :
VN0801WBL02

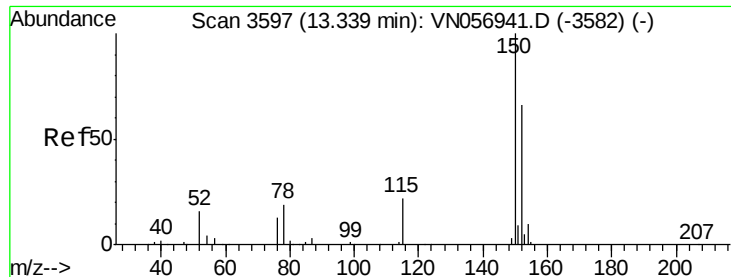
Tot Ion:104 Resp: 551
Ion Ratio Lower Upper
104 100
78 19.8 38.1 57.1#
103 51.7 44.3 66.5



#71
Bromoform
Concen: 0.760 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

Tgt Ion:173 Resp: 2534
Ion Ratio Lower Upper
173 100
175 579.4 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBL02

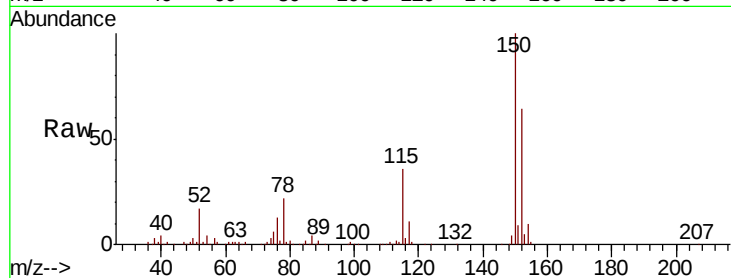
Tot Ion:152 Resp: 173099

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

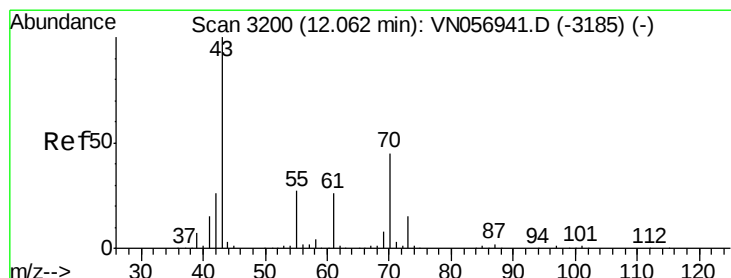
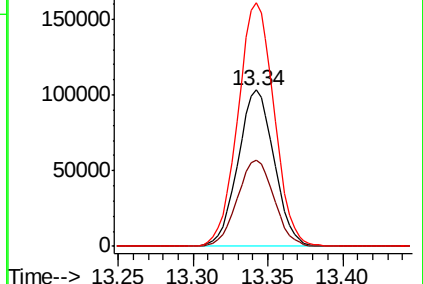
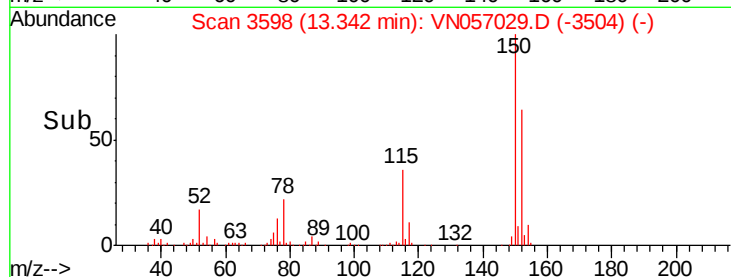
150 156.5 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.218 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Tgt Ion: 43 Resp: 946

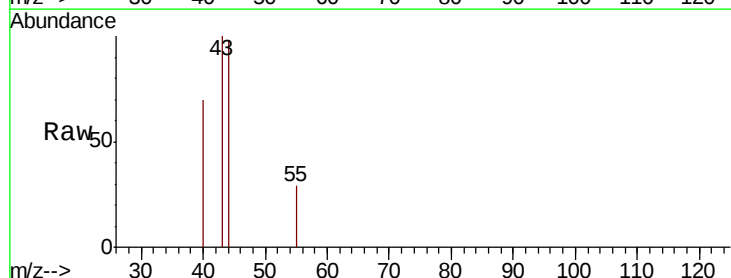
Ion Ratio Lower Upper

43 100

70 7.6 36.5 54.7#

55 3.2 21.4 32.0#

61 6.7 20.5 30.7#

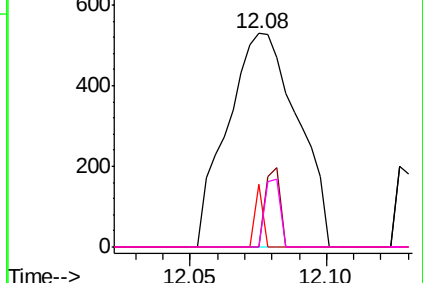
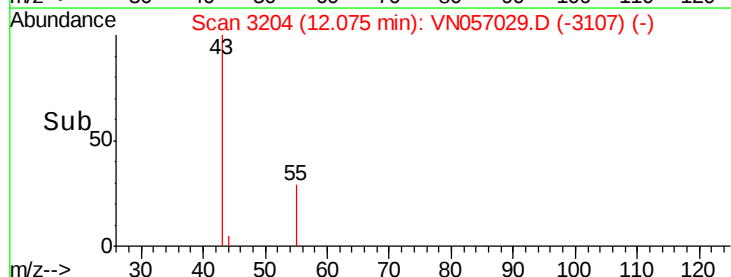


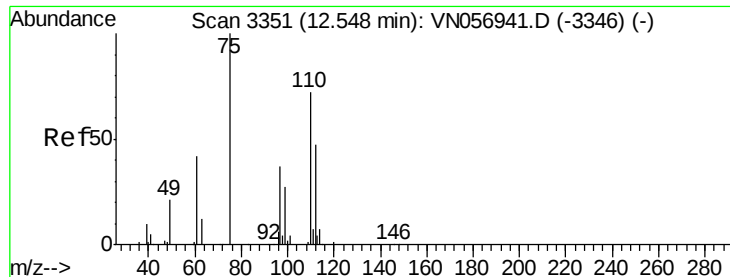
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.191 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

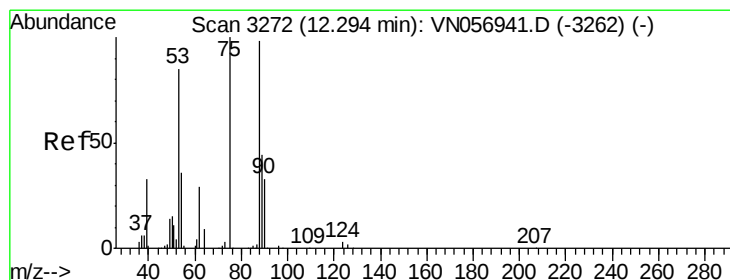
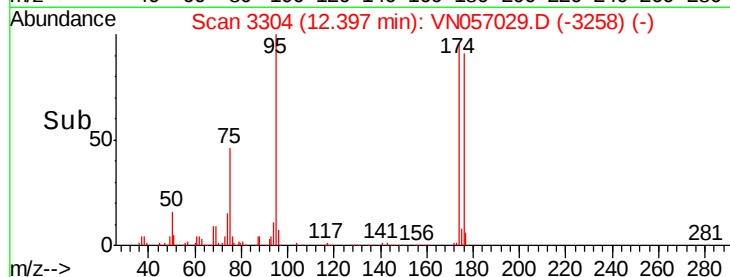
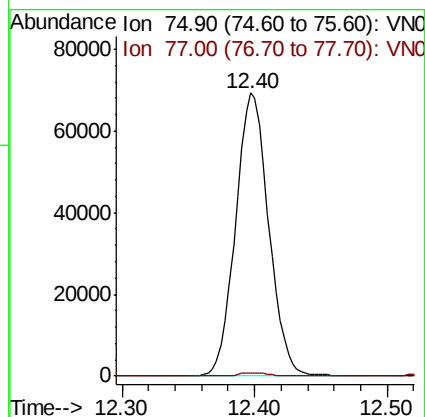
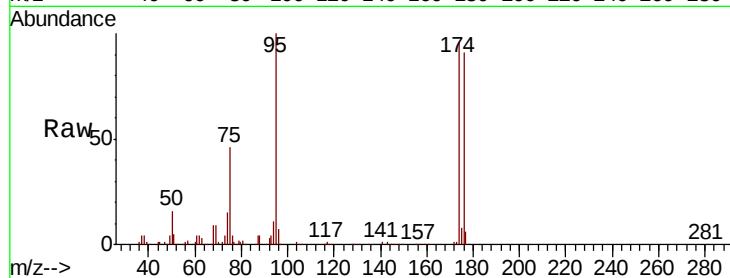
VN0801WBL02

Tot Ion: 75 Resp: 120193

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.854 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057029.D

Acq: 1 Aug 2019 11:58

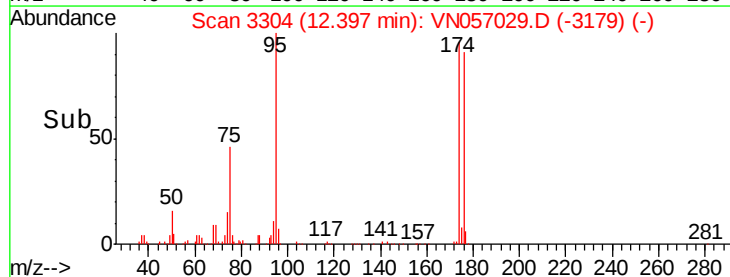
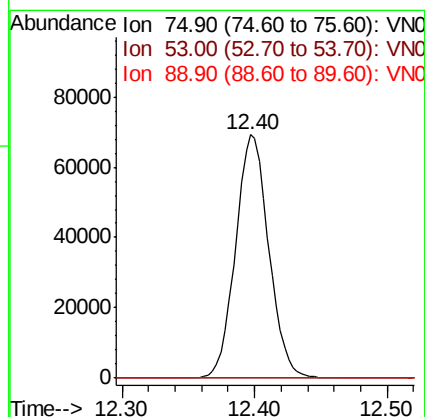
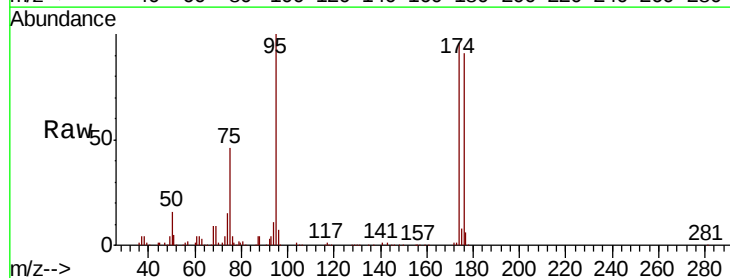
Tgt Ion: 75 Resp: 120193

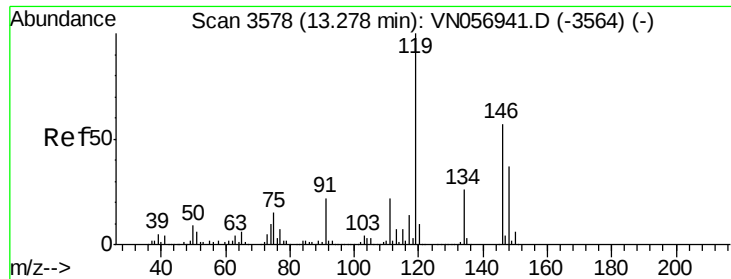
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

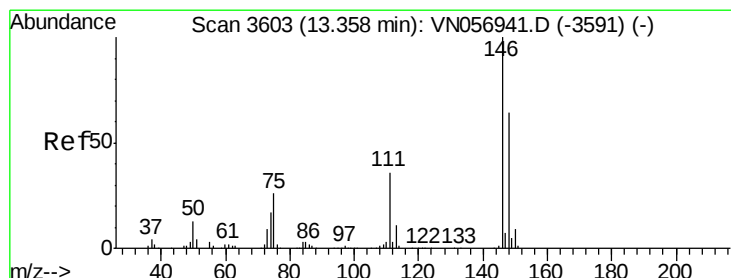
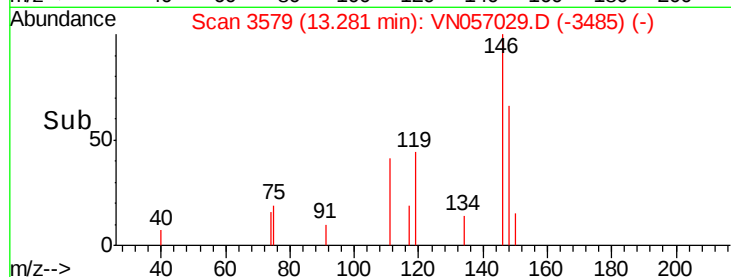
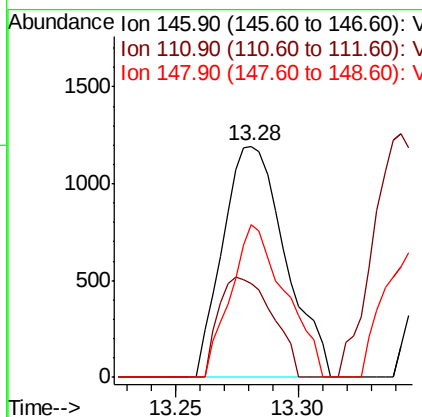
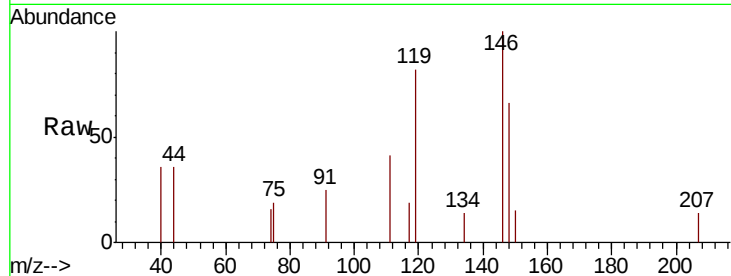




#87
 1,3-Dichlorobenzene
 Concen: 0.356 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

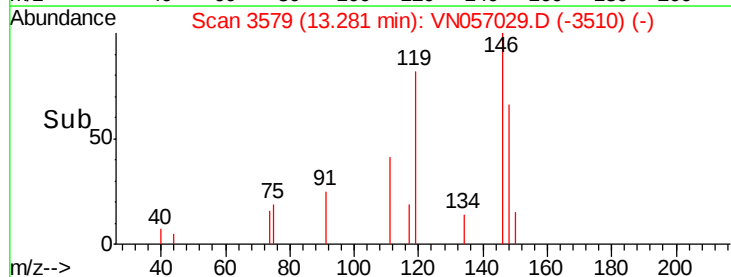
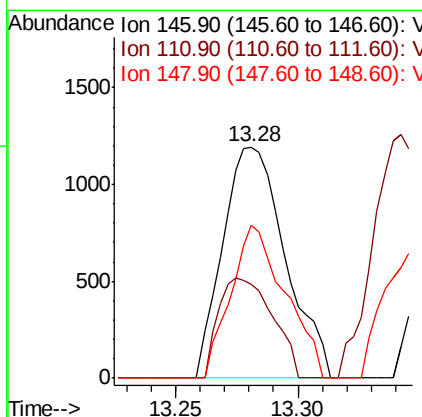
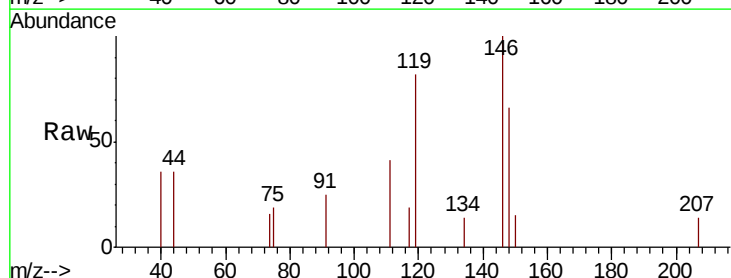
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

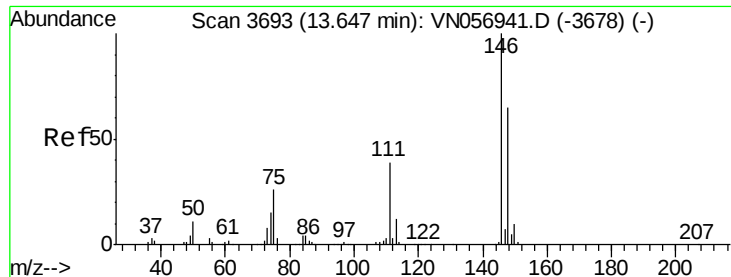
Tot Ion:146 Resp: 2117
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 57.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.370 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Tgt Ion:146 Resp: 2117
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.2
 148 57.7 32.3 96.9

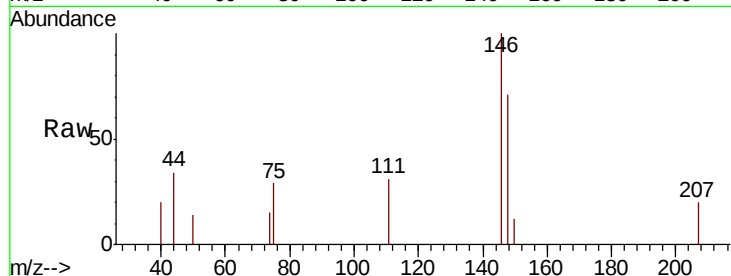




#91
 1,2-Dichlorobenzene
 Concen: 0.449 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.4	19.4	58.4
148	58.7	32.2	96.6

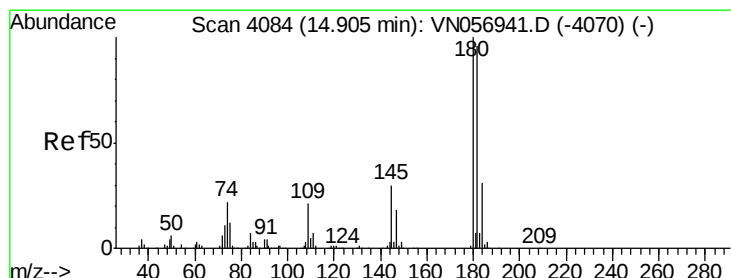
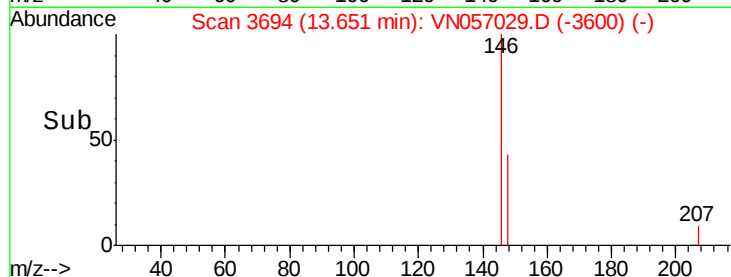
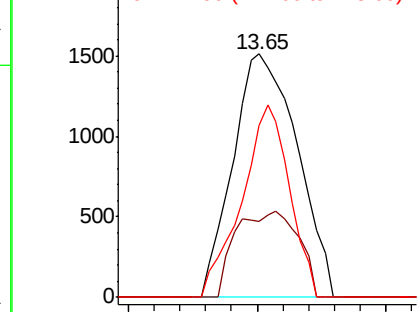


Abundance

Ion 145.90 (145.60 to 146.60): V

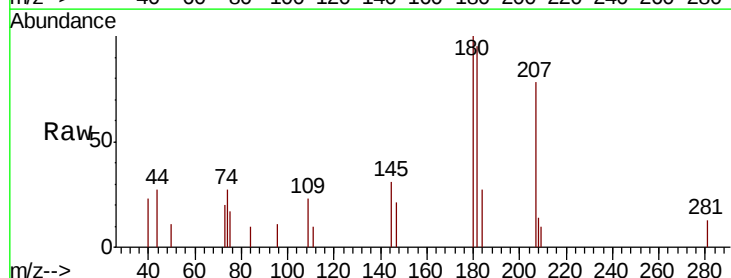
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 3.603 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.6	142.8
145	28.6	14.2	42.8

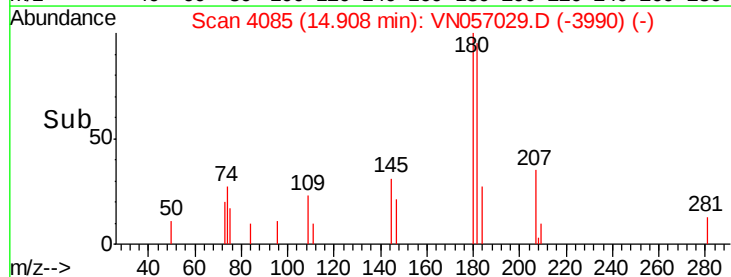
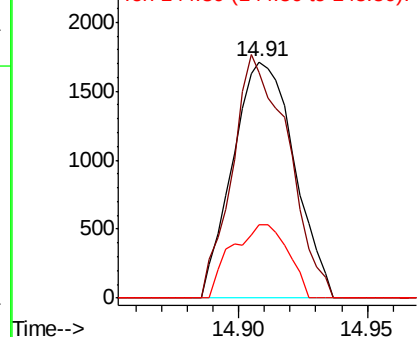


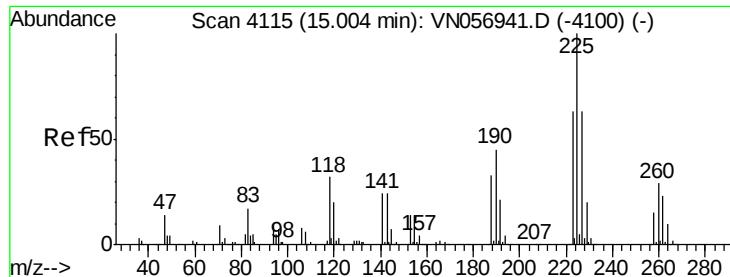
Abundance

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

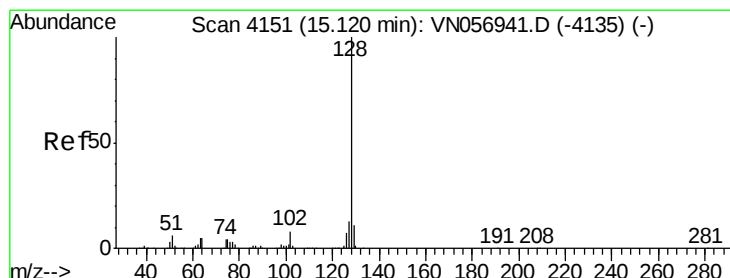
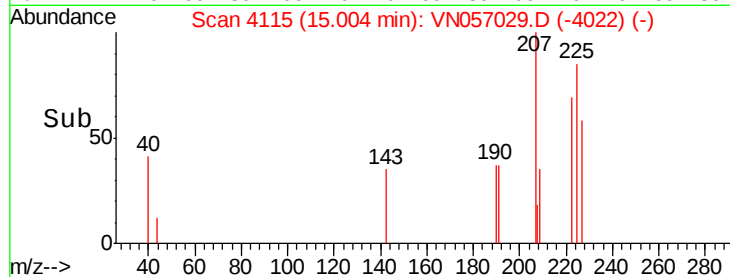
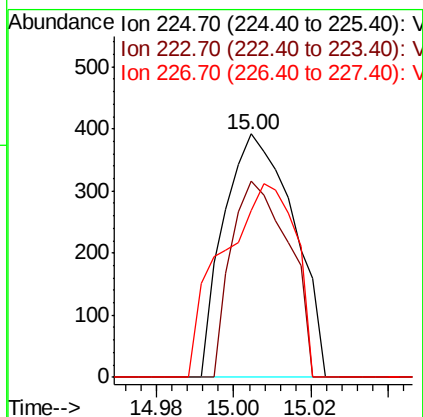
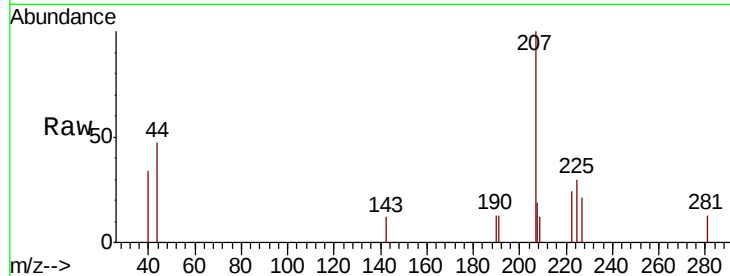




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

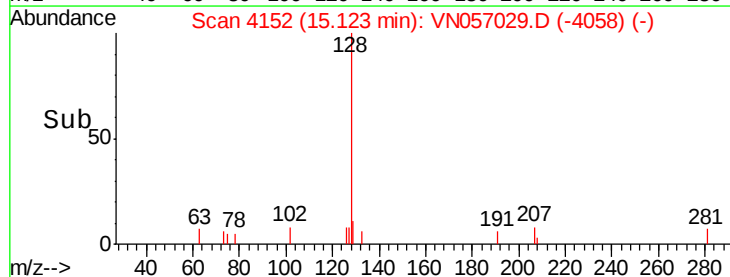
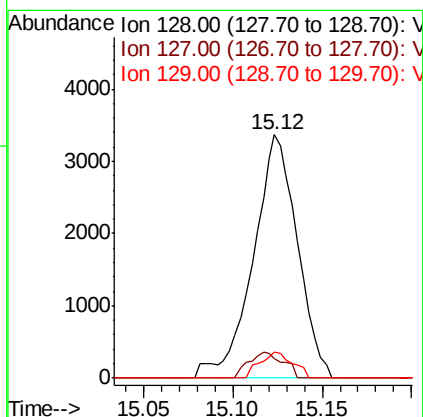
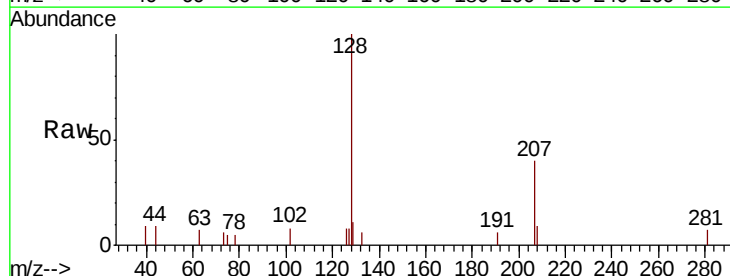
Instrument :
MSVOA_N
ClientSampled :
VN0801WBL02

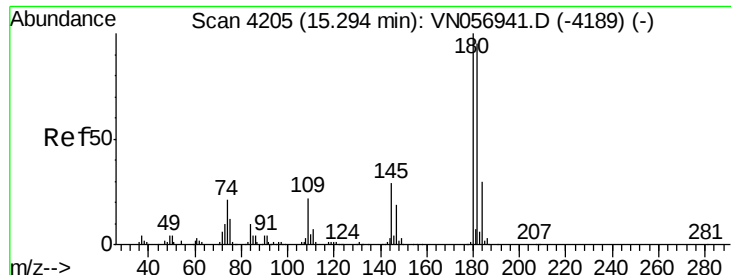
Tot Ion:225 Resp: 491
Ion Ratio Lower Upper
225 100
223 66.6 30.8 92.4
227 83.5 31.1 93.5



#95
Naphthalene
Concen: 4.321 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057029.D
Acq: 1 Aug 2019 11:58

Tgt Ion:128 Resp: 5811
Ion Ratio Lower Upper
128 100
127 8.4 10.0 15.0#
129 8.0 8.7 13.1#

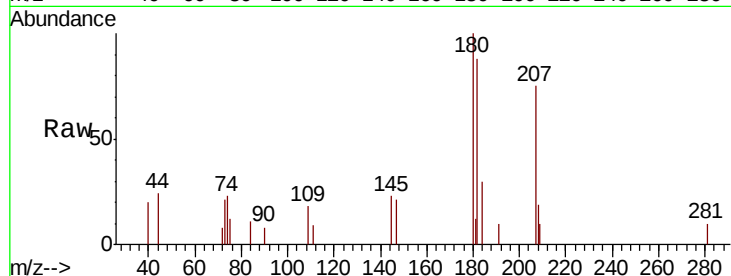




#96
 1,2,3-Trichlorobenzene
 Concen: 3.061 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057029.D
 Acq: 1 Aug 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	48.0	144.2
145	29.7	15.0	45.0



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

