

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057448.D
 Acq On : 22 Aug 2019 22:07
 Operator : JC/SP
 Sample : K4403-30
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(0)

Quant Time: Aug 23 05:14:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	453618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	783171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	360724	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	7.58	113	251376	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	991986	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	277426	40.93	ug/l	0.00
Spiked Amount			Recovery	=	81.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1626	0.213	ug/l	89
5) Bromomethane	2.56	94	2574	0.449	ug/l	98
8) Diethyl Ether	3.36	74	253	Below Cal		92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	93	Below Cal	#	19
11) Tert butyl alcohol	4.72	59	6935	6.995	ug/l #	75
13) Acrolein	3.59	56	1289	1.479	ug/l #	52
15) Acrylonitrile	4.98	53	553	0.207	ug/l #	38
16) Acetone	3.79	43	9454	2.580	ug/l #	80
17) Carbon Disulfide	4.03	76	3085	0.209	ug/l #	74
18) Methyl Acetate	4.31	43	10471	0.377	ug/l #	64
20) Methylene Chloride	4.52	84	12355	2.202	ug/l	96
31) Cyclohexane	7.65	56	14948	1.334	ug/l #	9
36) 1,1-Dichloropropene	7.64	75	44468	5.557	ug/l #	50
38) Carbon Tetrachloride	7.65	117	49564	6.234	ug/l #	16
43) Isopropyl Acetate	8.15	43	113914	7.856	ug/l	99
46) Dibromomethane	9.19	93	100	Below Cal	#	48
48) Methyl methacrylate	9.18	41	6446	0.935	ug/l #	17
49) 1,4-Dioxane	9.26	88	230	2.580	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7961	0.985	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	43530	4.182	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	6160	0.632	ug/l #	47
58) 2-Chloroethyl Vinyl ether	9.70	63	68	17.090	ug/l #	52
59) 2-Hexanone	10.76	43	99228	17.903	ug/l #	57
73) Isopropylbenzene	12.25	105	911	Below Cal	#	63
74) N-amyl acetate	12.03	43	3155	Below Cal	#	51
75) 1,1,2,2-Tetrachloroethane	12.51	83	96	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.40	75	155162	41.341	ug/l #	100
77) Bromobenzene	12.54	156	242	Below Cal	#	1
78) n-propylbenzene	12.59	91	1627	Below Cal		91
79) 2-Chlorotoluene	12.67	91	380	Below Cal		83
80) 1,3,5-Trimethylbenzene	12.73	105	1926	Below Cal		90
81) trans-1,4-Dichloro-2-buten	12.40	75	155162	106.502	ug/l #	9
82) 4-Chlorotoluene	12.77	91	1982	Below Cal		85
83) tert-Butylbenzene	12.99	119	347	Below Cal	#	24

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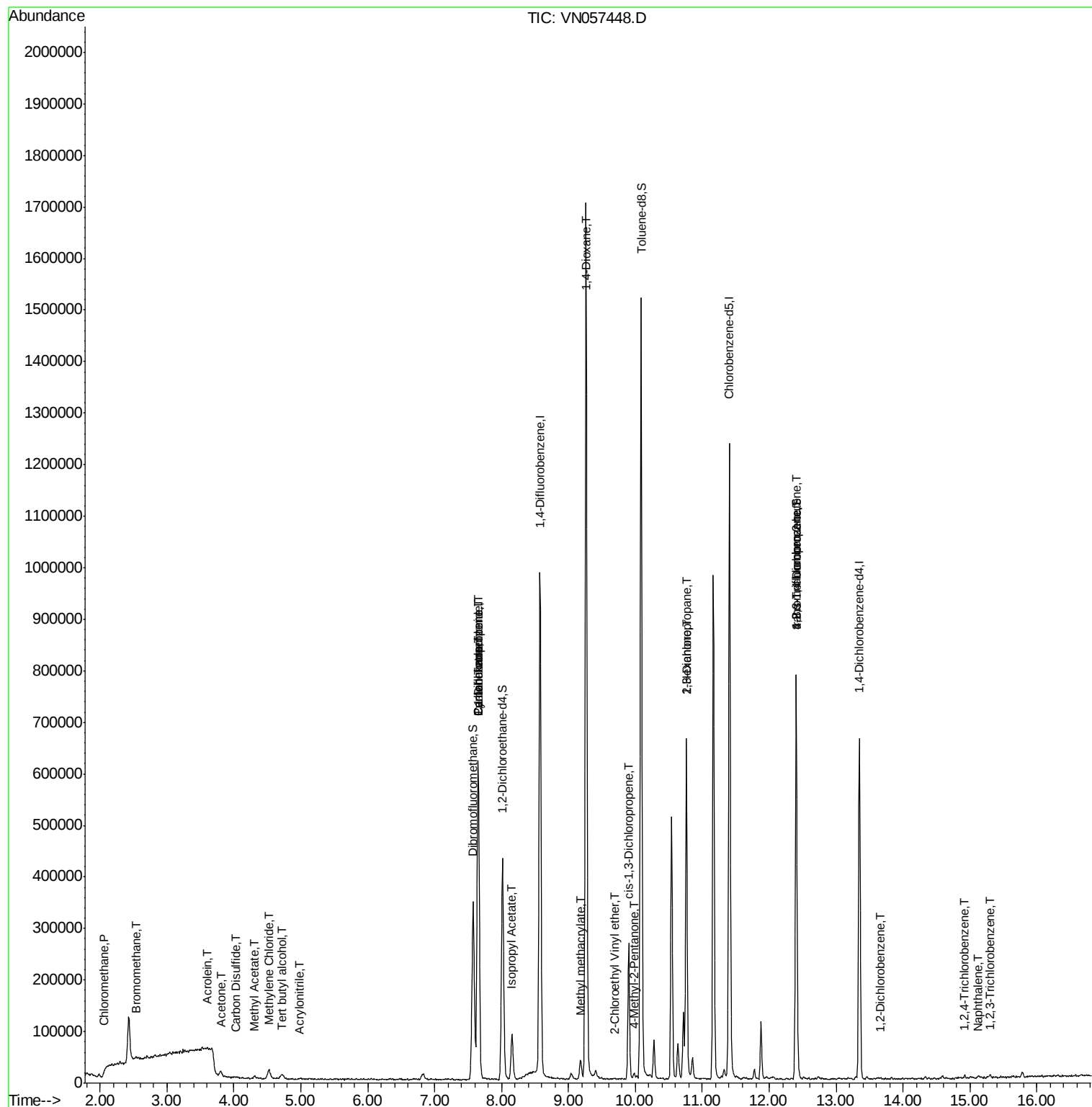
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	1600	Below Cal		83
90) Hexachloroethane	13.96	117	33	Below Cal	#	17
91) 1,2-Dichlorobenzene	13.66	146	1171	0.227 ug/l	#	51
92) 1,2-Dibromo-3-Chloropropan	14.29	75	31	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.92	180	1379	5.963 ug/l	#	89
94) Hexachlorobutadiene	15.00	225	173	Below Cal		81
95) Naphthalene	15.13	128	3379	4.804 ug/l	#	83
96) 1,2,3-Trichlorobenzene	15.30	180	1402	5.720 ug/l		96

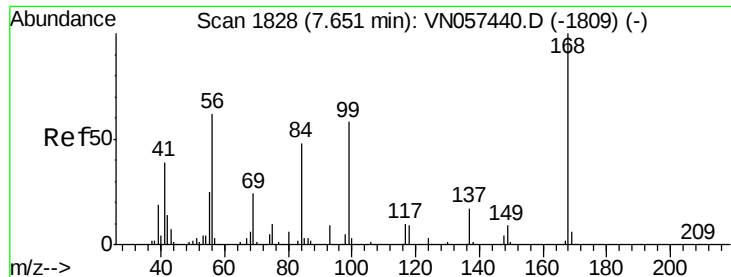
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

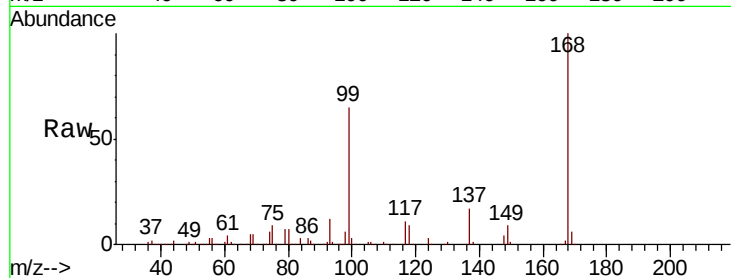
T1-G-(0)

Tgt Ion:168 Resp: 453618

Ion Ratio Lower Upper

168 100

99 65.1 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057448.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057448.D (-1735) (-)

7.65

200000

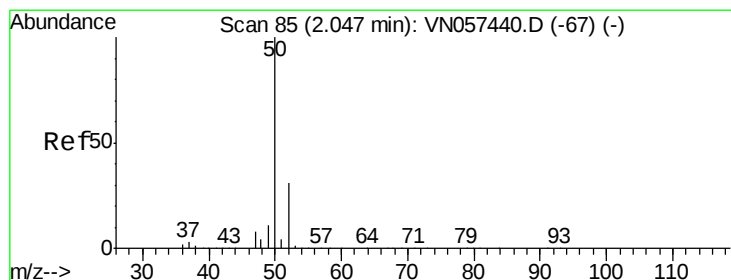
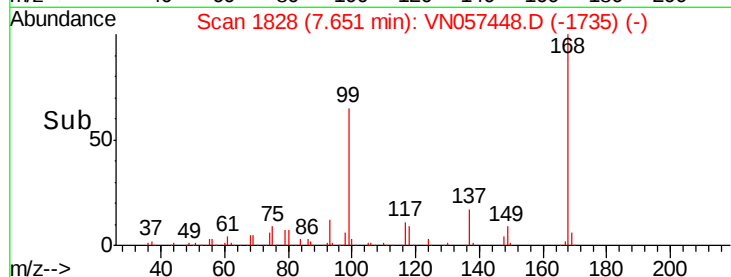
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.01 min

Lab File: VN057448.D

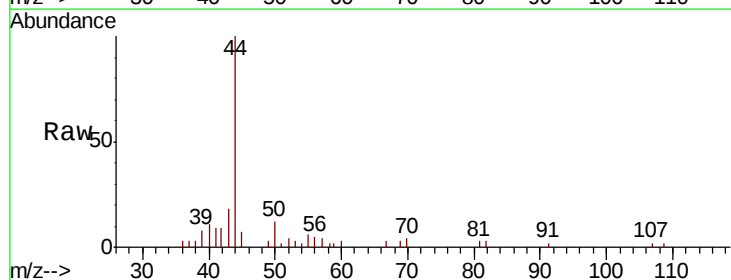
Acq: 22 Aug 2019 22:07

Tgt Ion: 50 Resp: 1626

Ion Ratio Lower Upper

50 100

52 37.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN057448.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057448.D (-1) (-)

2.05

1200

1000

800

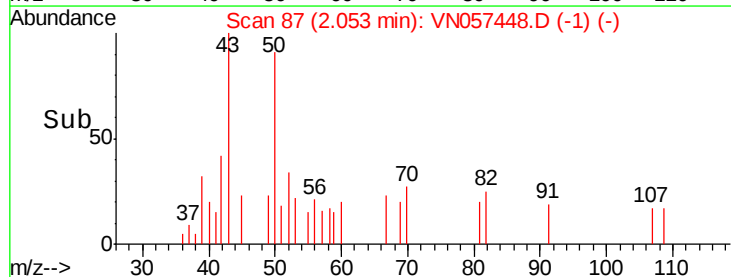
600

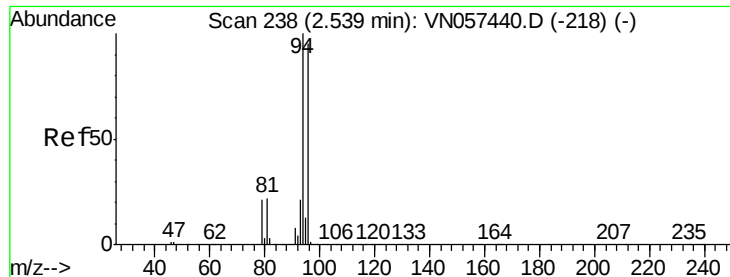
400

200

0

Time-->





#5

Bromomethane

Concen: 0.449 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

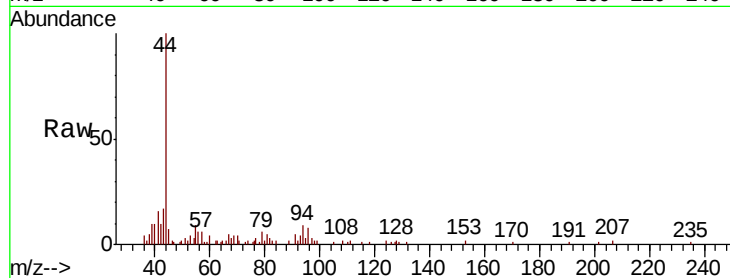
T1-G-(0)

Tgt Ion: 94 Resp: 2574

Ion Ratio Lower Upper

94 100

96 93.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

1500

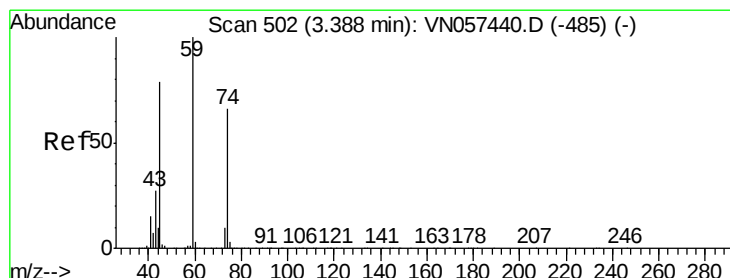
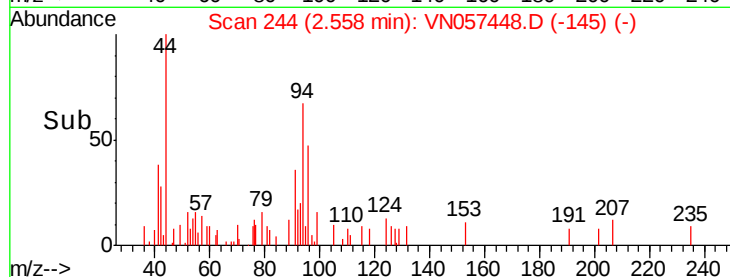
1000

500

0

Time-->

2.50 2.55 2.60



#8

Diethyl Ether

Concen: Below Cal

RT: 3.36 min Scan# 492

Delta R.T. -0.03 min

Lab File: VN057448.D

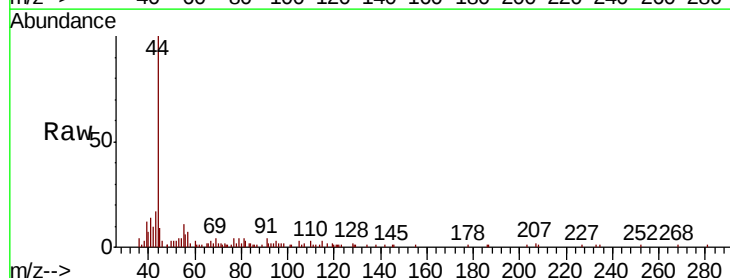
Acq: 22 Aug 2019 22:07

Tgt Ion: 74 Resp: 253

Ion Ratio Lower Upper

74 100

45 107.1 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

2000

1500

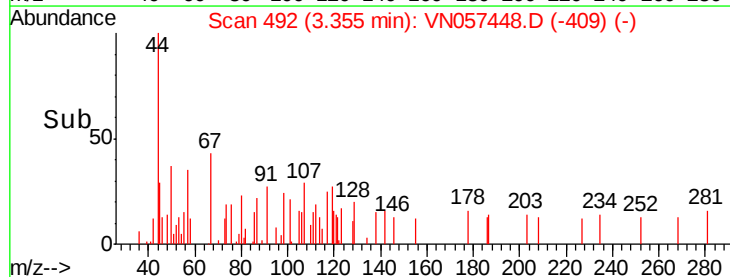
1000

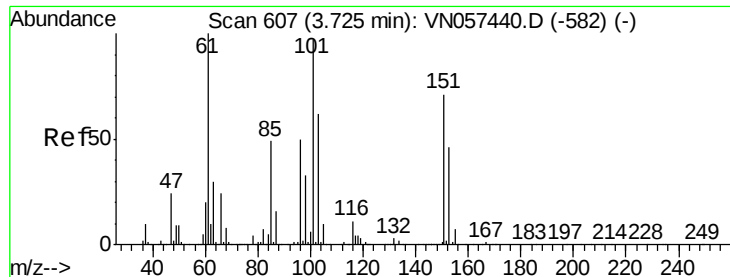
500

0

Time-->

3.33 3.34 3.35 3.36





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

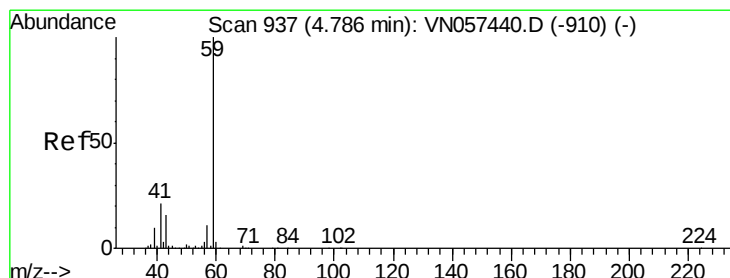
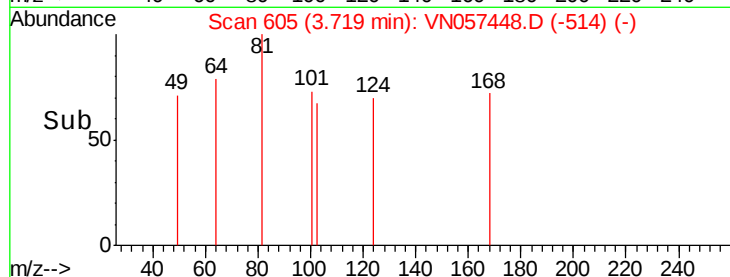
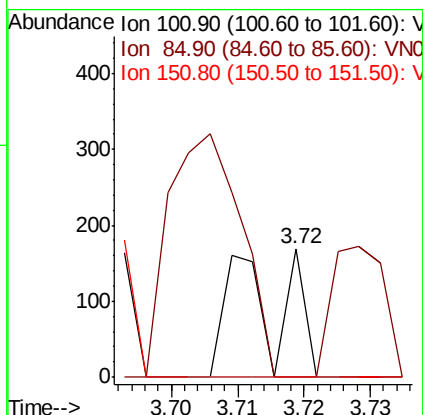
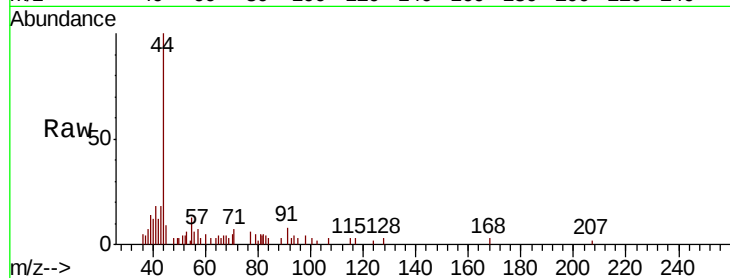
Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

Tgt Ion:	101	Resp:	93
Ion	Ratio	Lower	Upper
101	100		
85	101.1	40.0	60.0#
151	0.0	57.0	85.6#



#11

Tert butyl alcohol

Concen: 6.995 ug/l

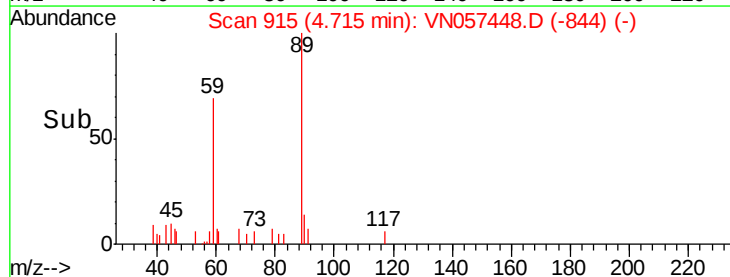
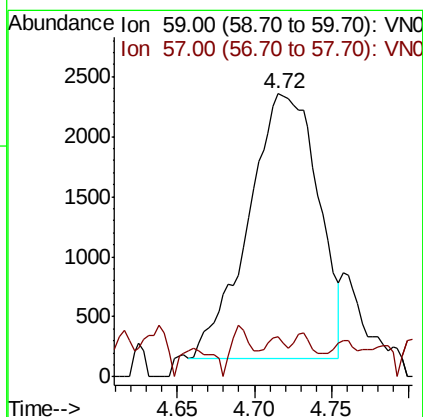
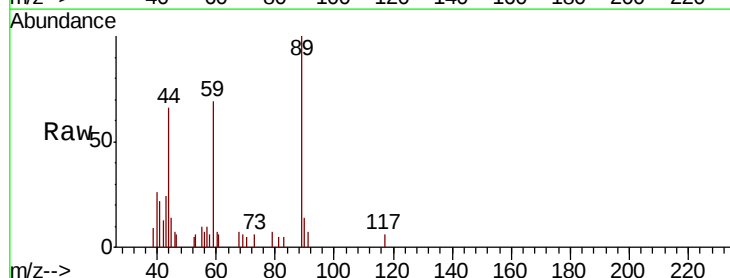
RT: 4.72 min Scan# 915

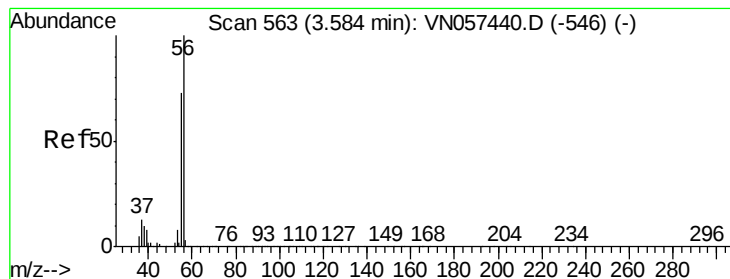
Delta R.T. -0.07 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Tgt Ion:	59	Resp:	6935
Ion	Ratio	Lower	Upper
59	100		
57	2.0	9.1	13.7#





#13

Acrolein

Concen: 1.479 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

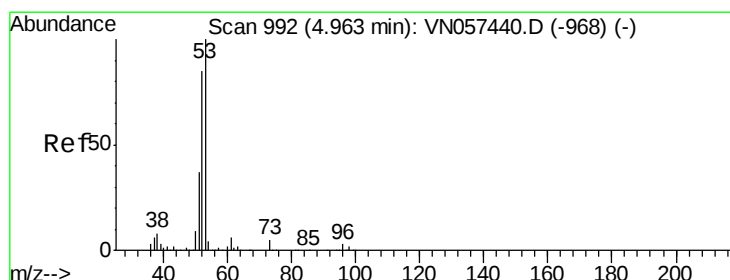
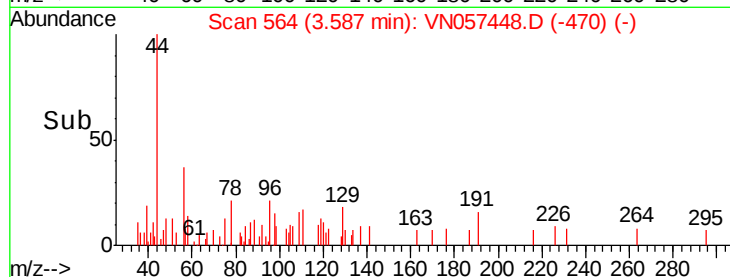
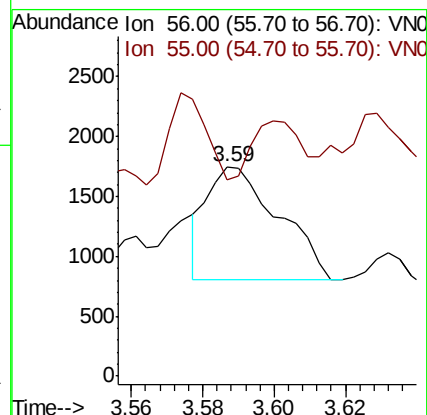
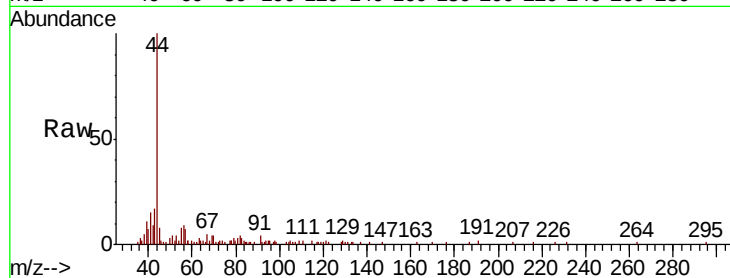
T1-G-(0)

Tgt Ion: 56 Resp: 1289

Ion Ratio Lower Upper

56 100

55 33.4 59.0 88.4#



#15

Acrylonitrile

Concen: 0.207 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.02 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

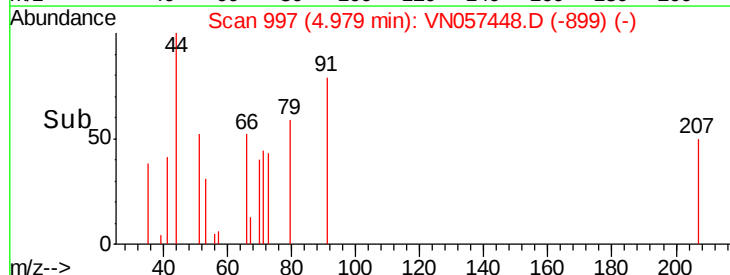
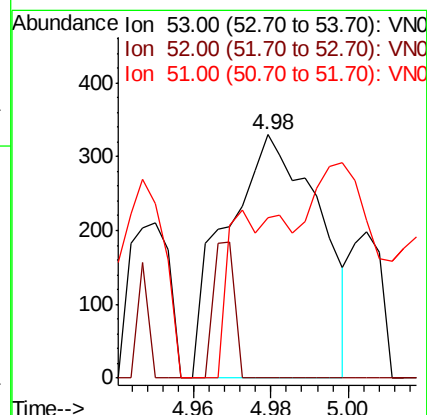
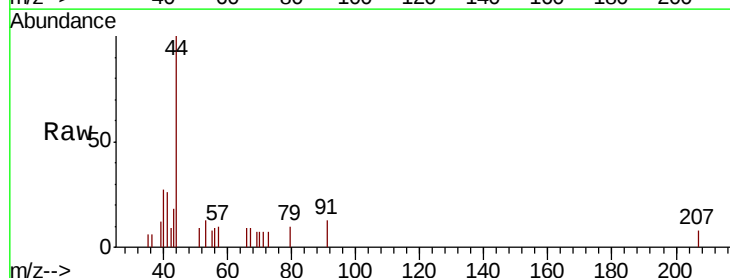
Tgt Ion: 53 Resp: 553

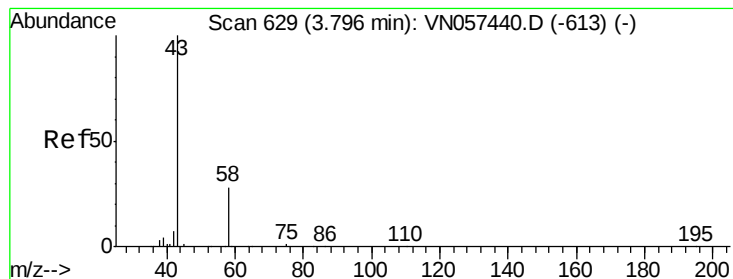
Ion Ratio Lower Upper

53 100

52 12.8 67.0 100.6#

51 22.1 29.9 44.9#





#16

Acetone

Concen: 2.580 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

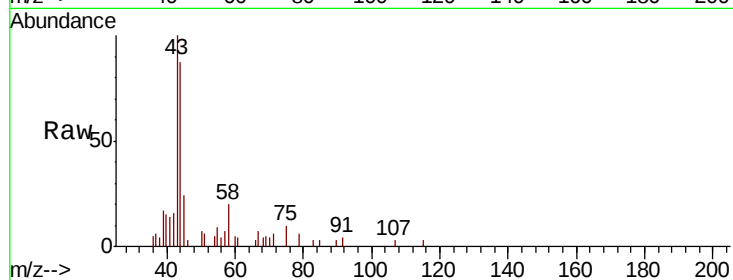
T1-G-(0)

Tgt Ion: 43 Resp: 9454

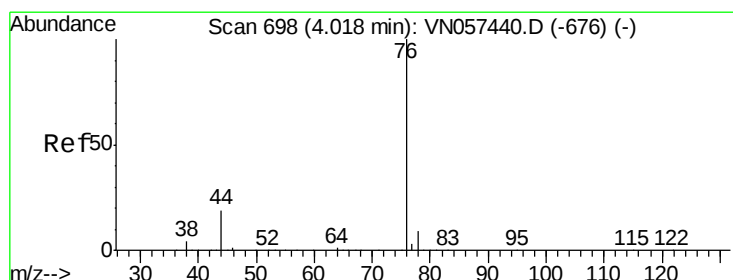
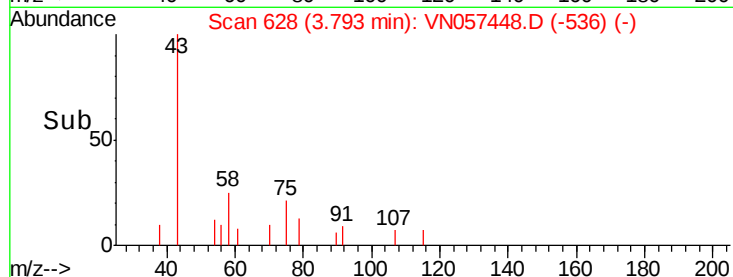
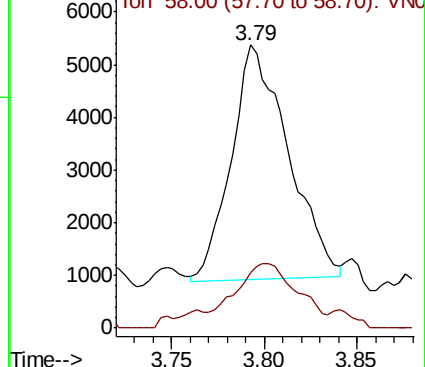
Ion Ratio Lower Upper

43 100

58 17.1 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057448.D (-613) (-)



#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.01 min

Lab File: VN057448.D

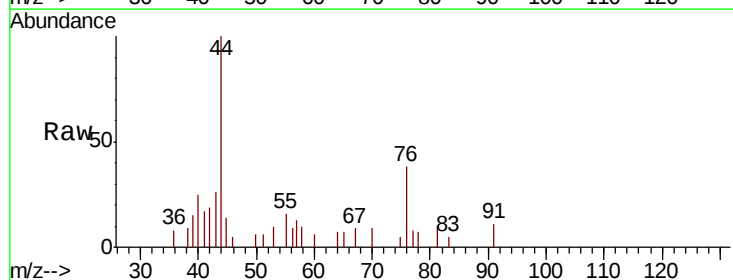
Acq: 22 Aug 2019 22:07

Tgt Ion: 76 Resp: 3085

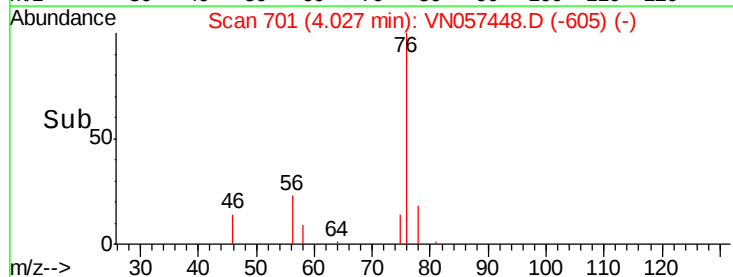
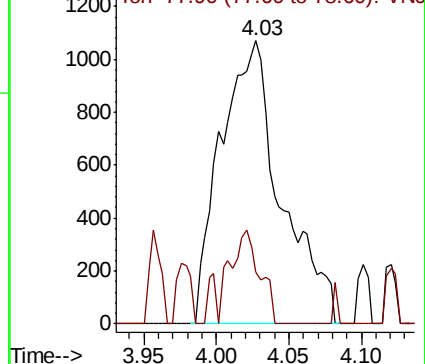
Ion Ratio Lower Upper

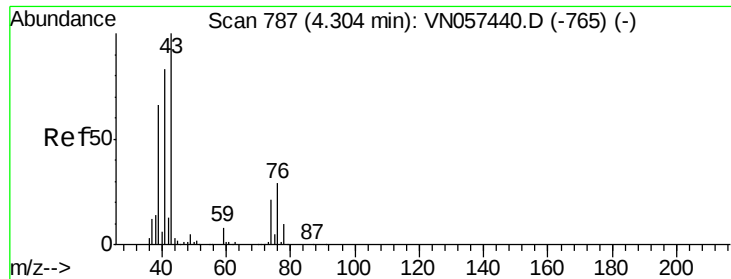
76 100

78 18.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN057448.D (-676) (-)

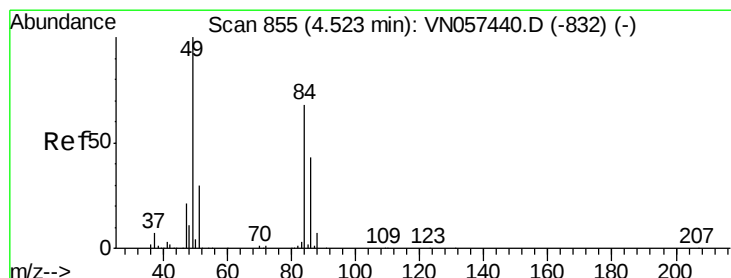
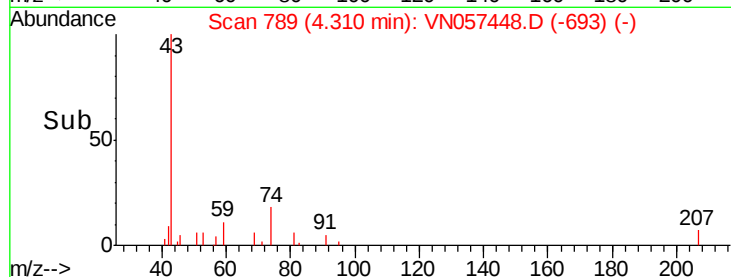
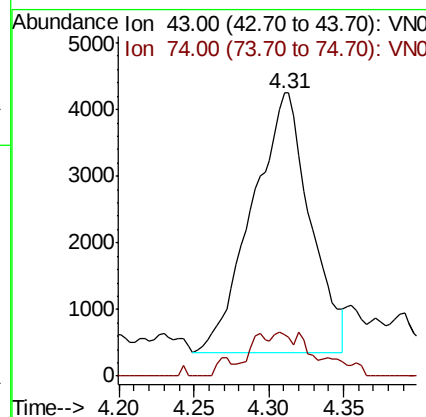
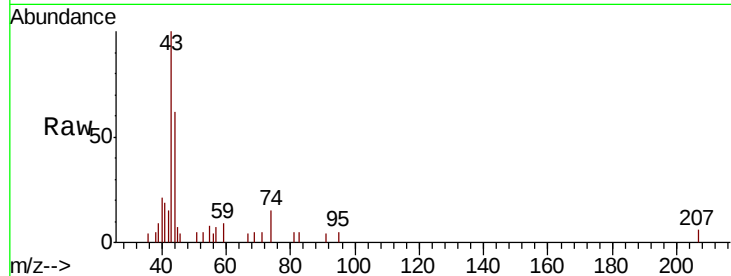




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

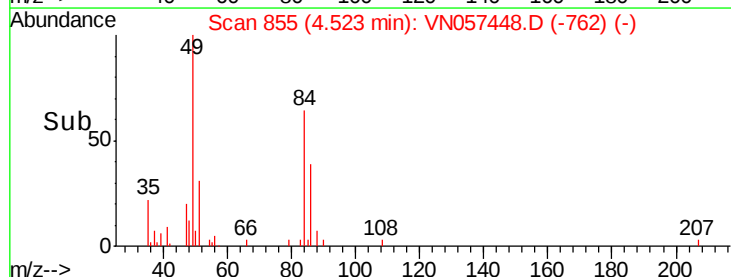
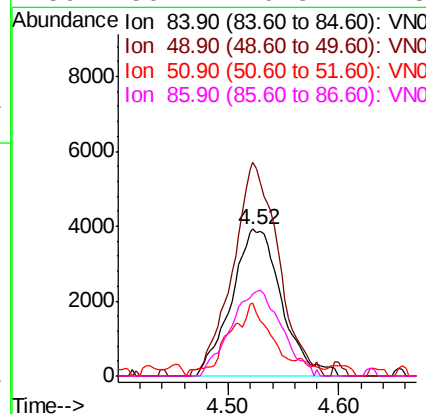
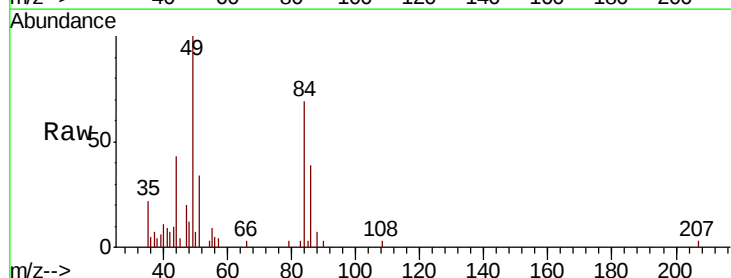
Instrument :
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T1-G-(0)

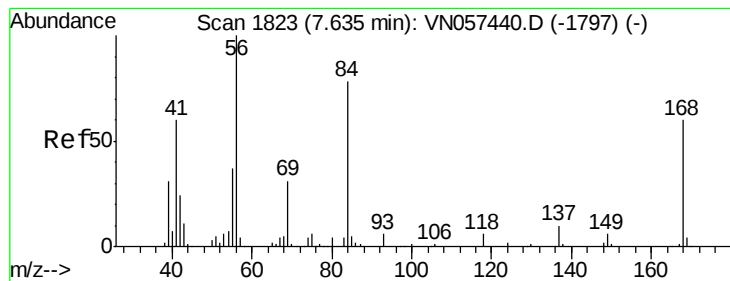
Tgt Ion: 43 Resp: 10471
Ion Ratio Lower Upper
43 100
74 3.6 15.9 23.9#



#20
Methylene Chloride
Concen: 2.202 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

Tgt Ion: 84 Resp: 12355
Ion Ratio Lower Upper
84 100
49 141.5 117.0 175.4
51 45.0 35.5 53.3
86 56.1 49.8 74.8





#31

Cyclohexane

Concen: 1.334 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

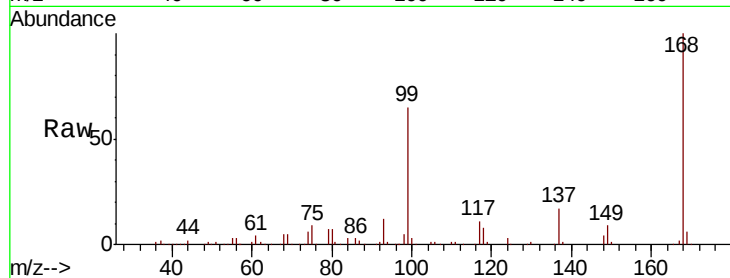
Tgt Ion: 56 Resp: 14948

Ion Ratio Lower Upper

56 100

69 157.3 25.0 37.6#

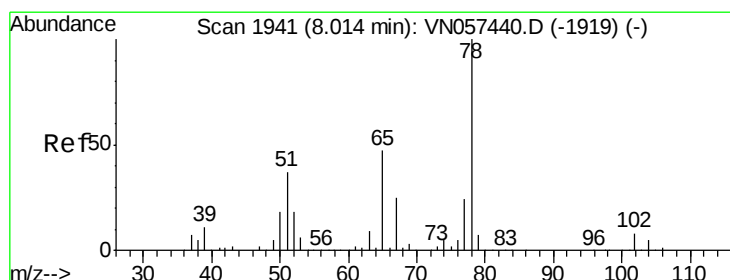
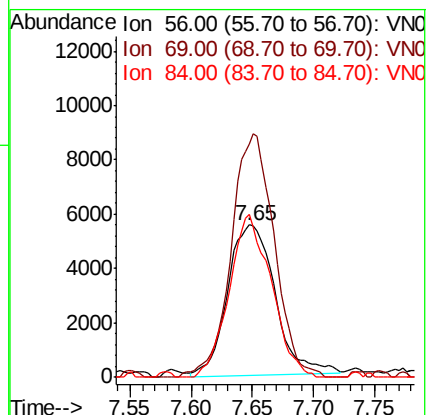
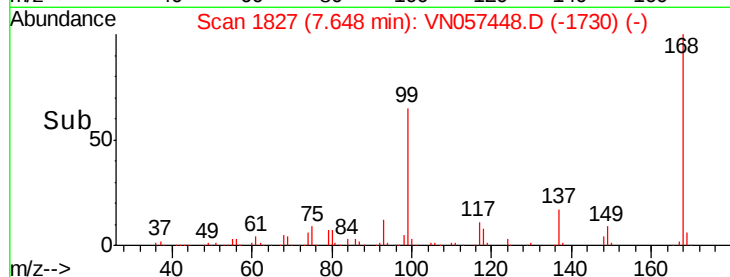
84 109.4 62.5 93.7#



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: 45.205 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057448.D

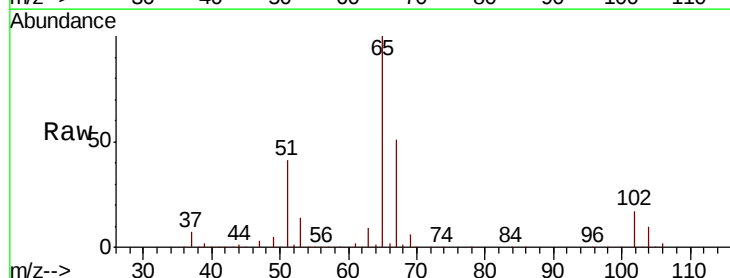
Acq: 22 Aug 2019 22:07

Tgt Ion: 65 Resp: 360724

Ion Ratio Lower Upper

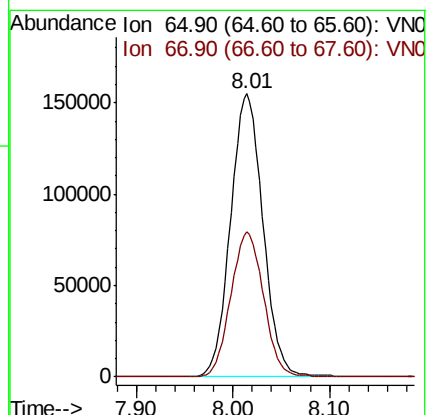
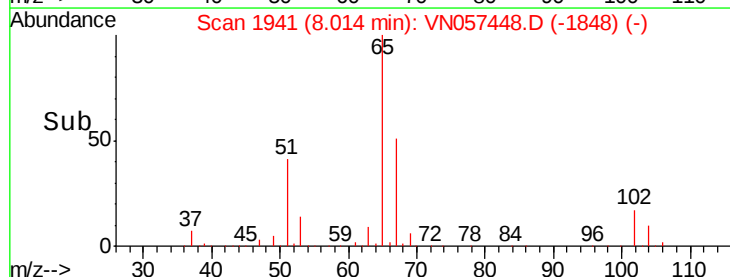
65 100

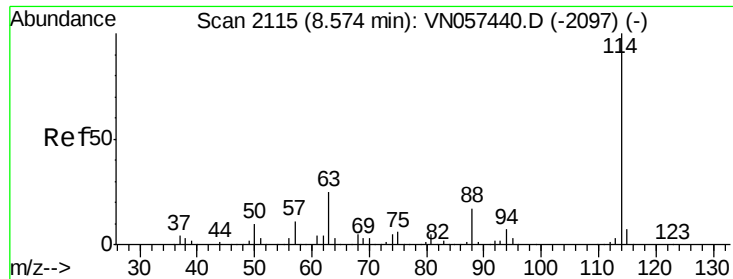
67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

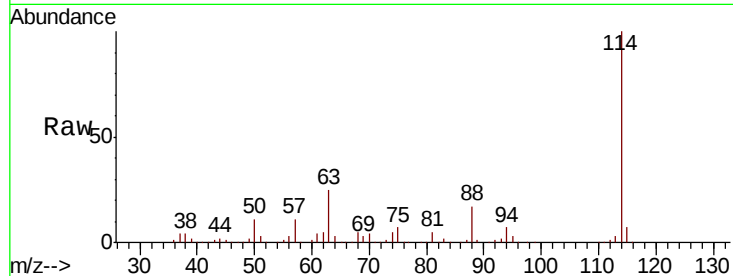




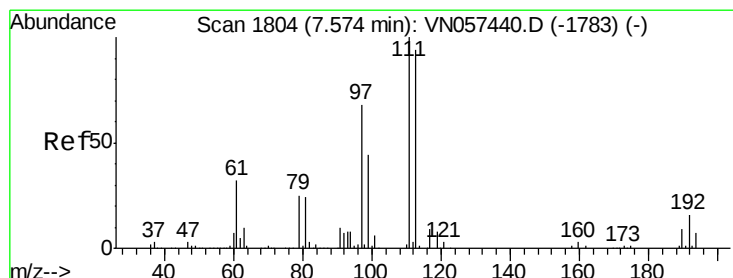
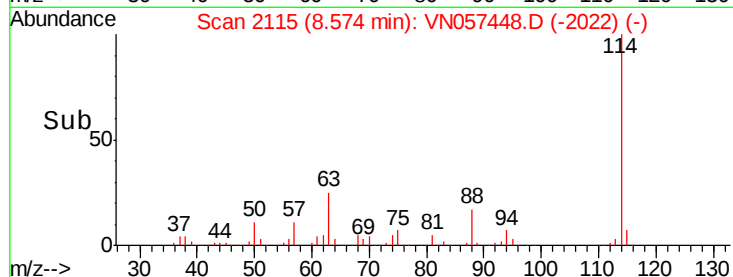
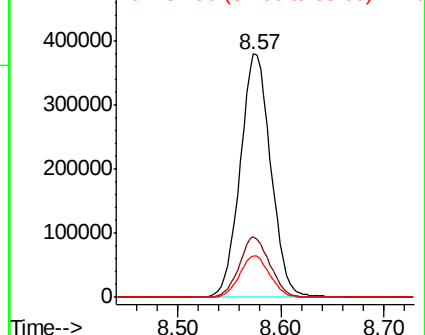
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
T1-G-(0)

Tgt Ion:114 Resp: 783171
Ion Ratio Lower Upper
114 100
63 24.9 0.0 50.2
88 17.2 0.0 34.6

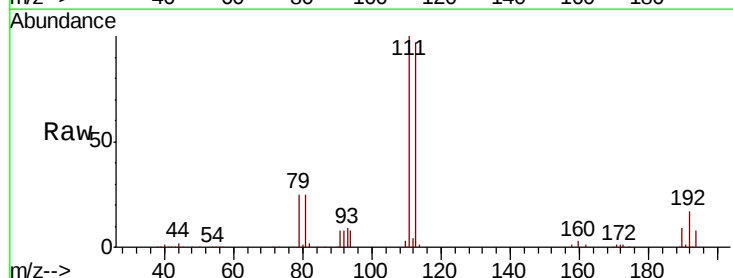


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

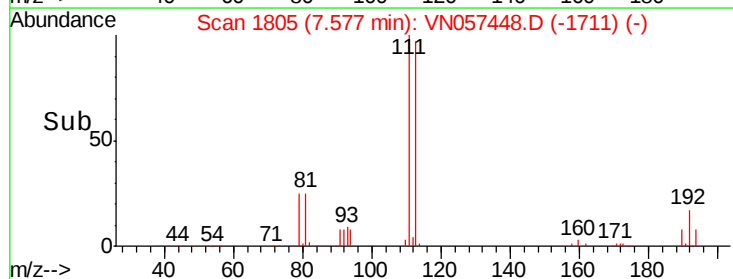
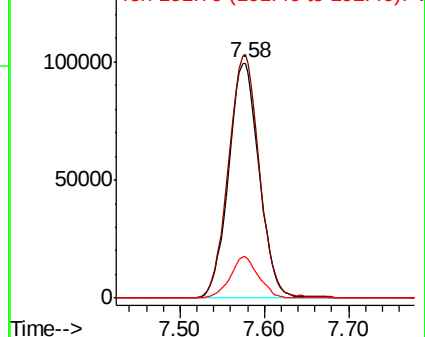


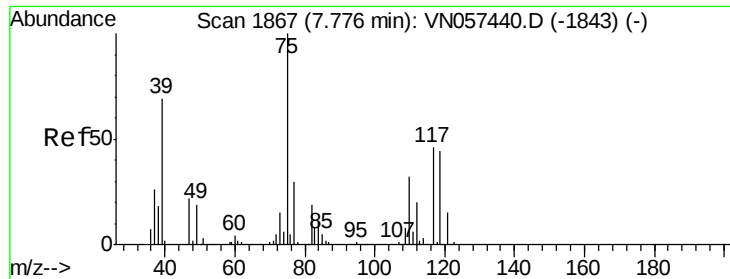
#35
Dibromofluoromethane
Concen: 47.519 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

Tgt Ion:113 Resp: 251376
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 16.4 13.5 20.3



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

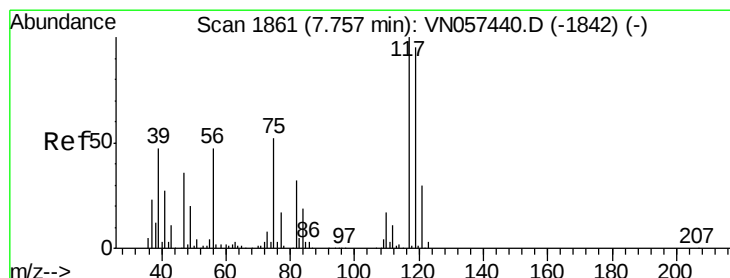
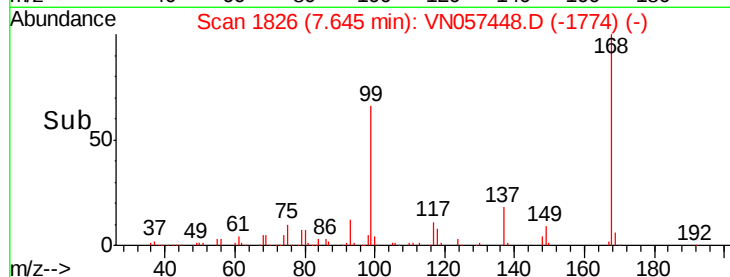
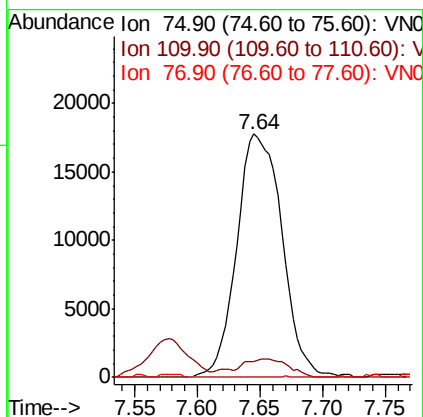
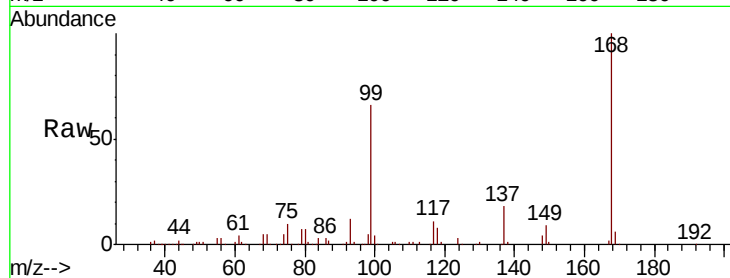




#36
 1,1-Dichloropropene
 Concen: 5.557 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

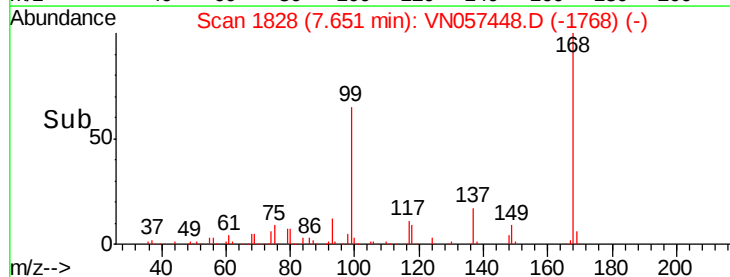
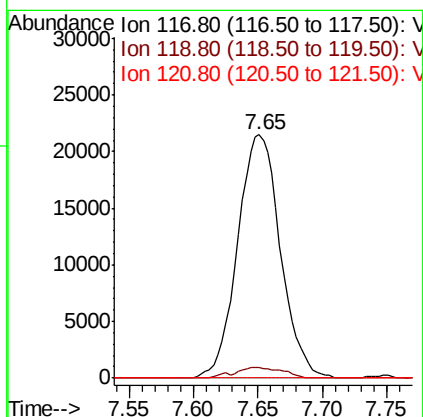
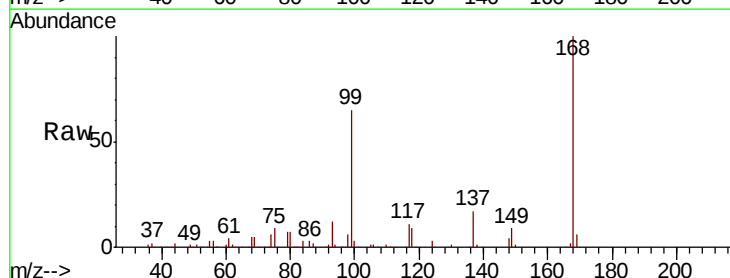
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(0)

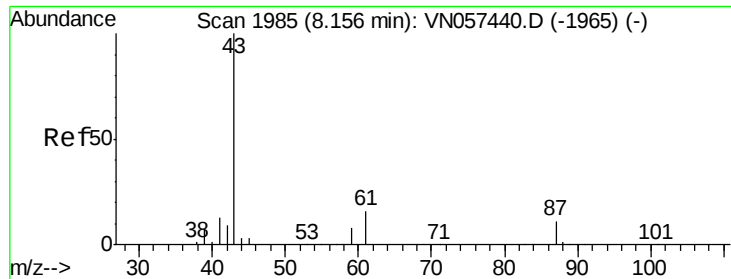
Tgt Ion: 75 Resp: 44468
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.3#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.234 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

Tgt Ion: 117 Resp: 49564
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.4#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 7.856 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

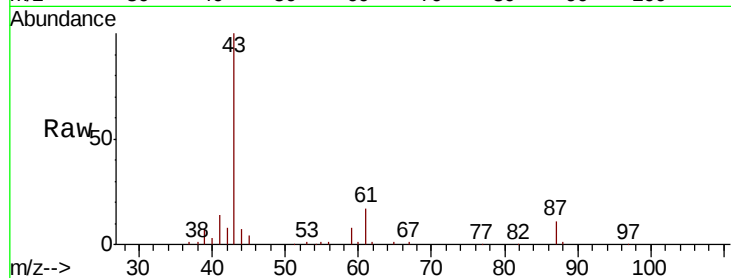
Tgt Ion: 43 Resp: 113914

Ion Ratio Lower Upper

43 100

61 17.3 14.5 21.7

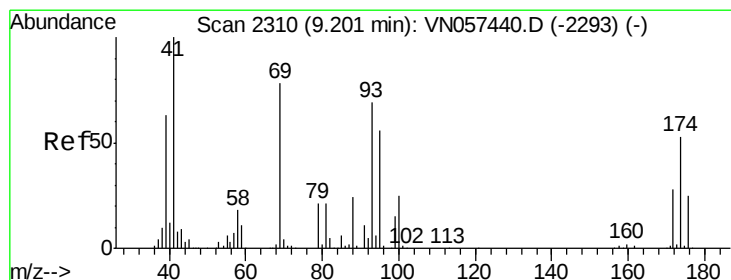
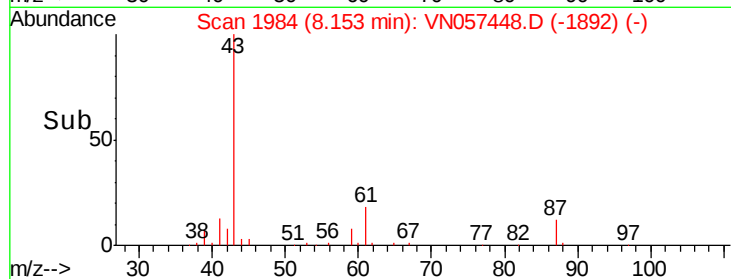
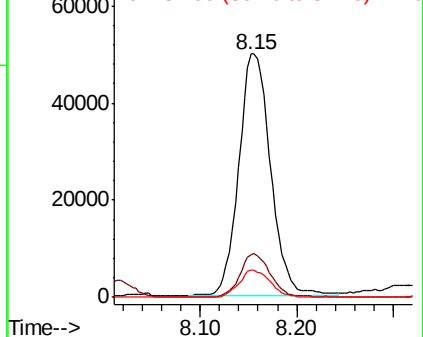
87 11.0 8.6 12.8



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



#46

Dibromomethane

Concen: Below Cal

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

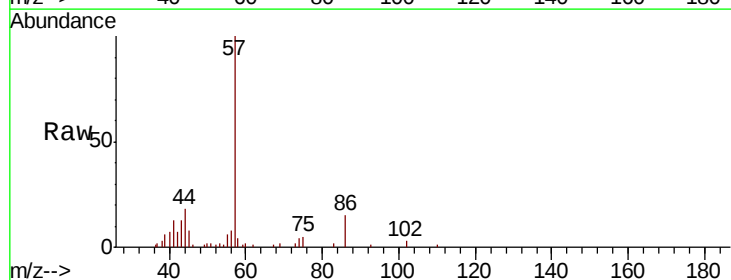
Tgt Ion: 93 Resp: 100

Ion Ratio Lower Upper

93 100

95 67.0 64.7 97.1

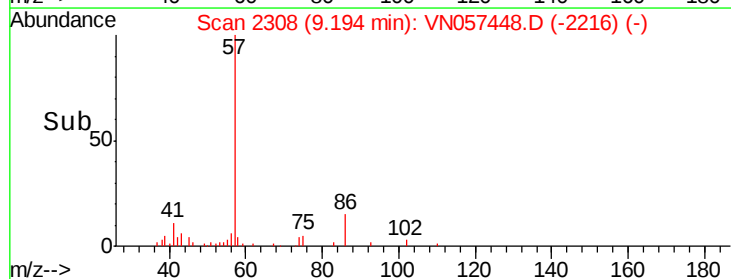
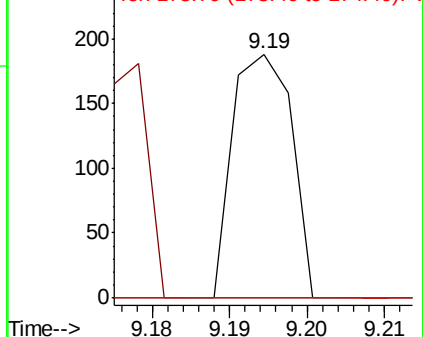
174 0.0 62.3 93.5#

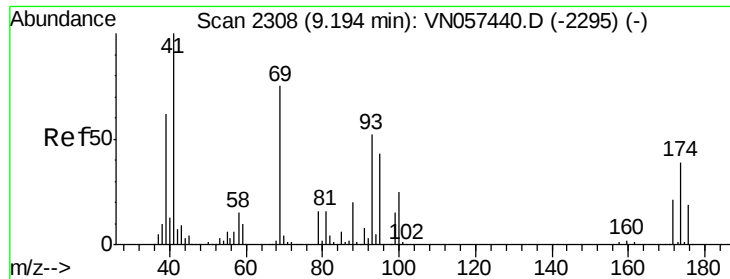


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

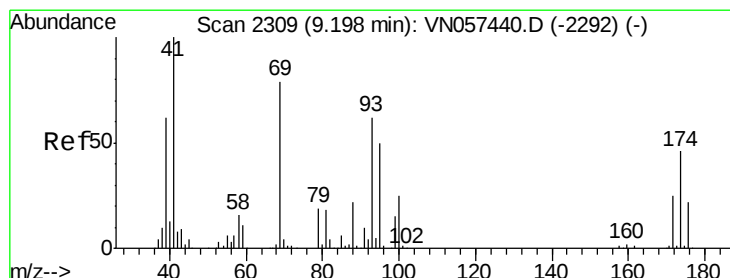
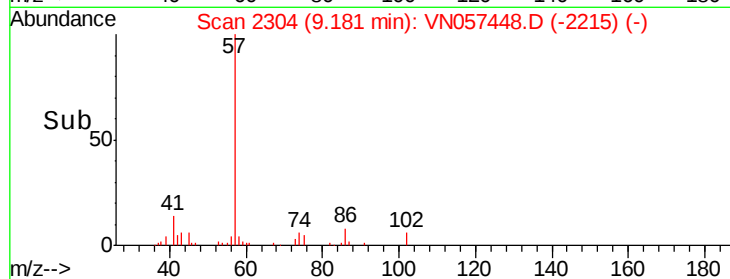
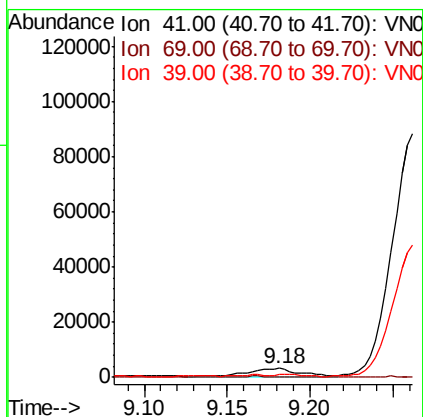
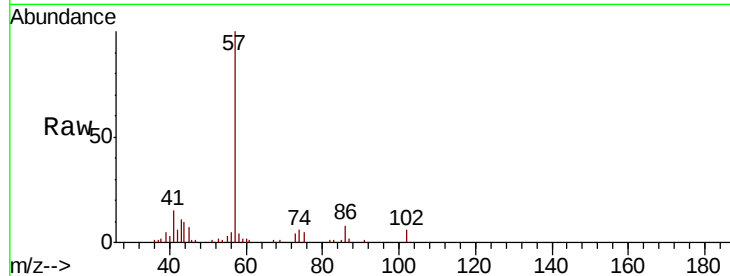




#48
Methyl methacrylate
Concen: 0.935 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

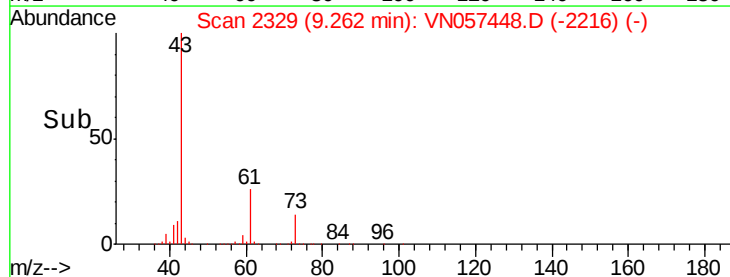
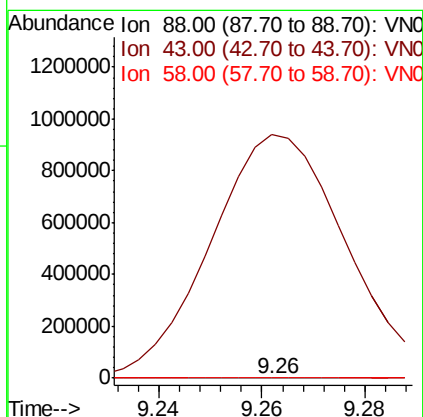
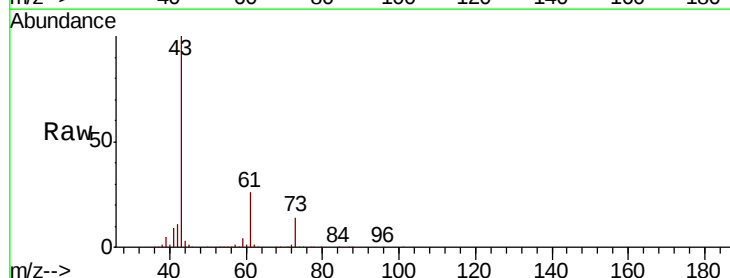
Instrument :
MSVOA_N
ClientSampled :
T1-G-(0)

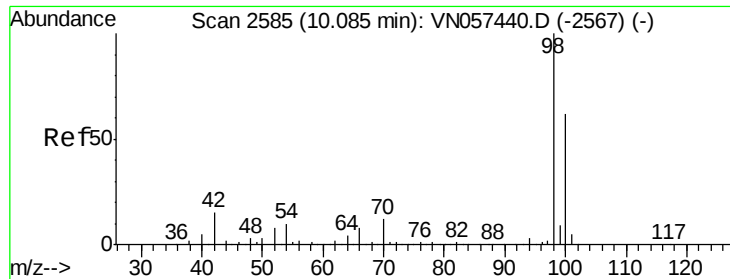
Tgt Ion: 41 Resp: 6446
Ion Ratio Lower Upper
41 100
69 2.9 59.3 88.9#
39 0.0 50.6 75.8#



#49
1,4-Dioxane
Concen: 2.580 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 759310.4 31.0 46.6#
58 2605.7 64.5 96.7#





#50

Toluene-d8

Concen: 49.593 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

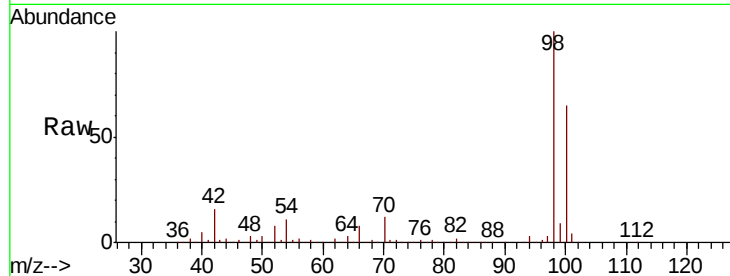
T1-G-(0)

Tgt Ion: 98 Resp: 991986

Ion Ratio Lower Upper

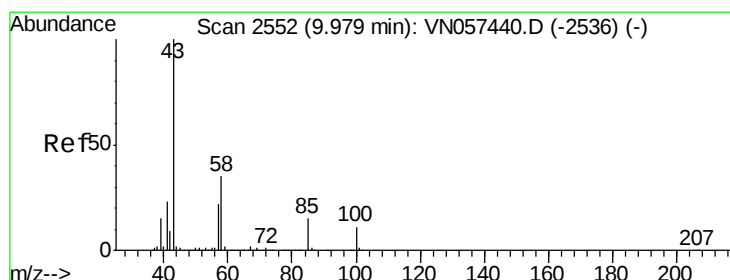
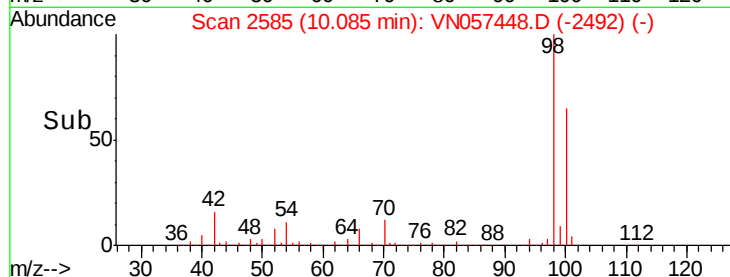
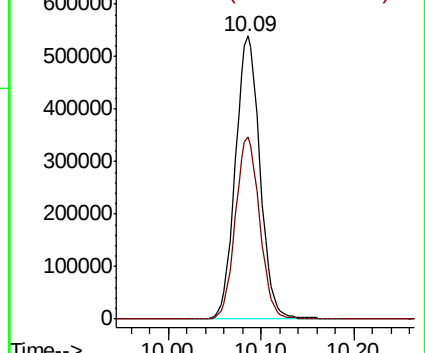
98 100

100 63.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.985 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057448.D

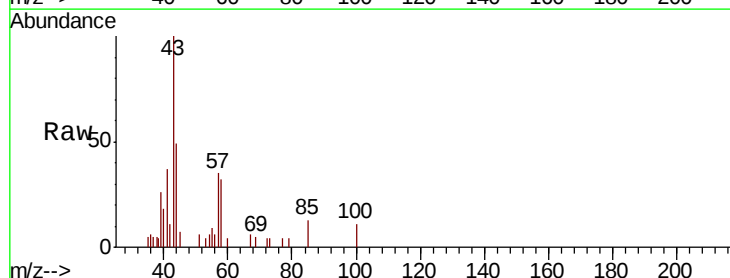
Acq: 22 Aug 2019 22:07

Tgt Ion: 43 Resp: 7961

Ion Ratio Lower Upper

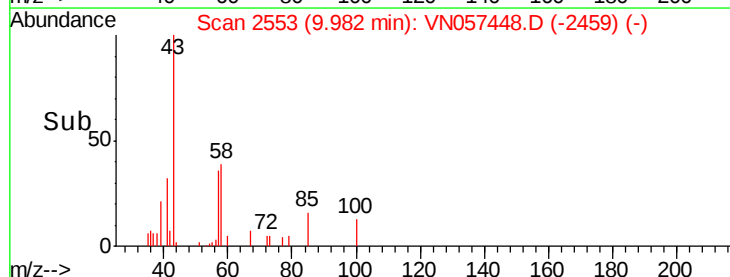
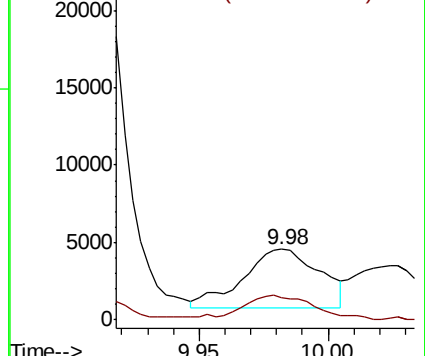
43 100

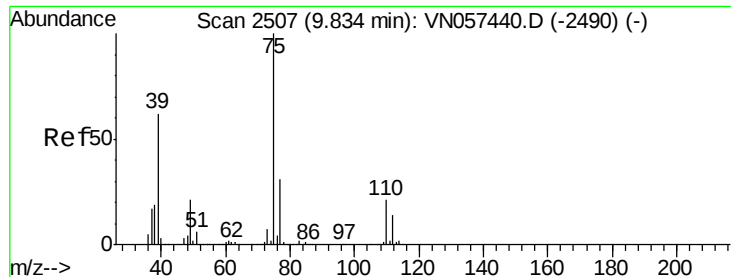
58 39.9 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 4.182 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

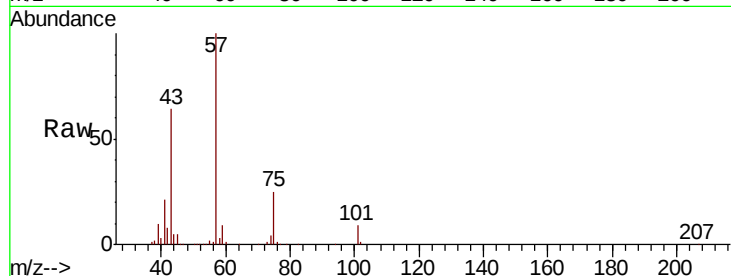
Tgt Ion: 75 Resp: 43530

Ion Ratio Lower Upper

75 100

77 1.3 25.0 37.6#

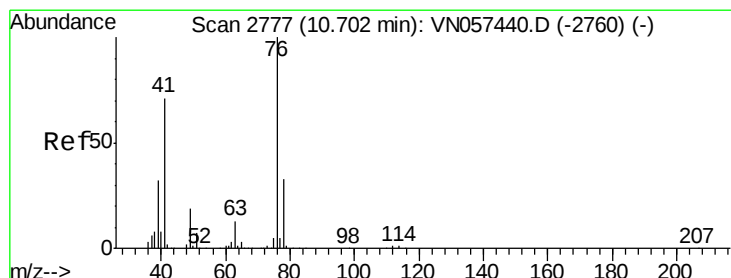
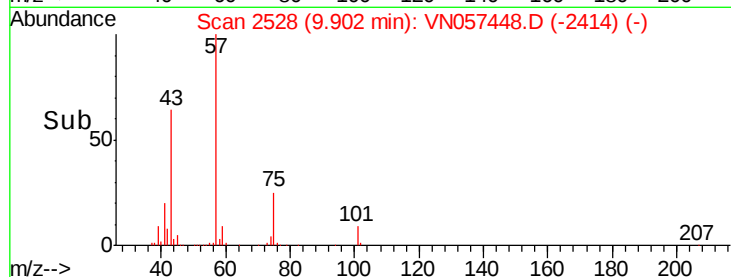
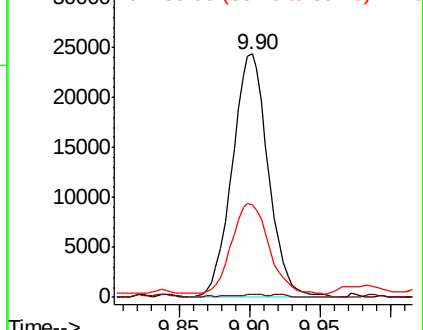
39 36.4 49.2 73.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.632 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057448.D

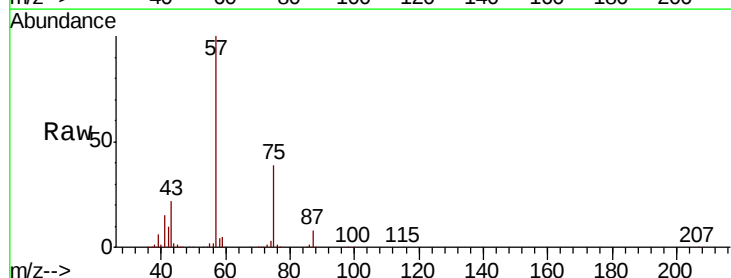
Acq: 22 Aug 2019 22:07

Tgt Ion: 76 Resp: 6160

Ion Ratio Lower Upper

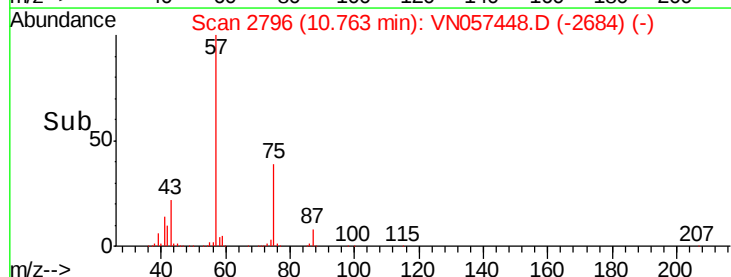
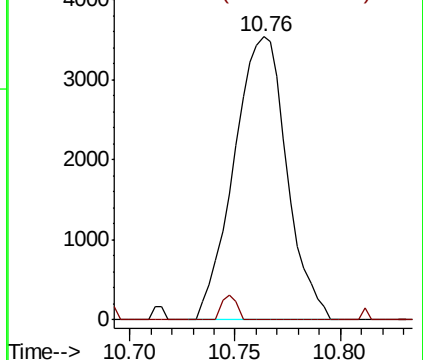
76 100

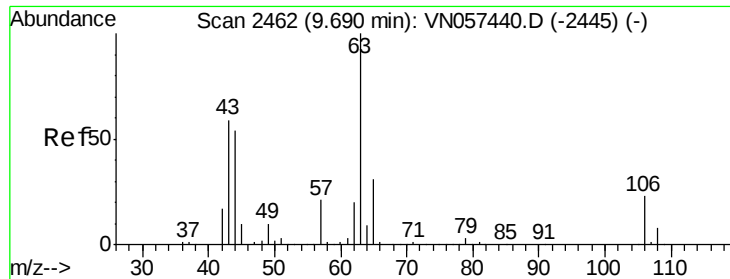
78 2.4 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

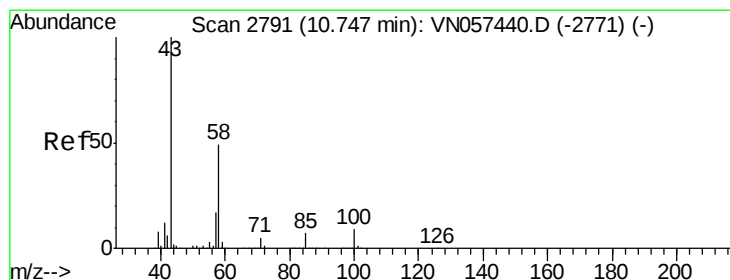
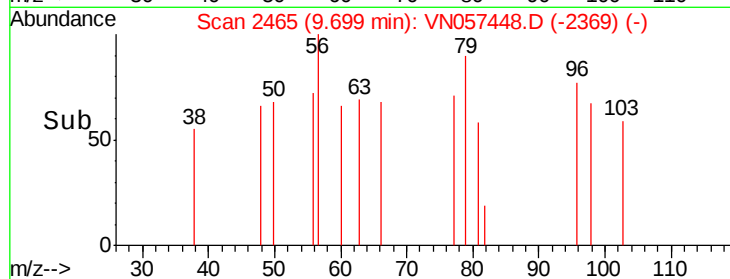
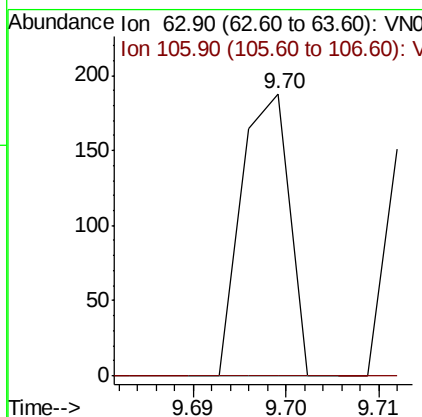
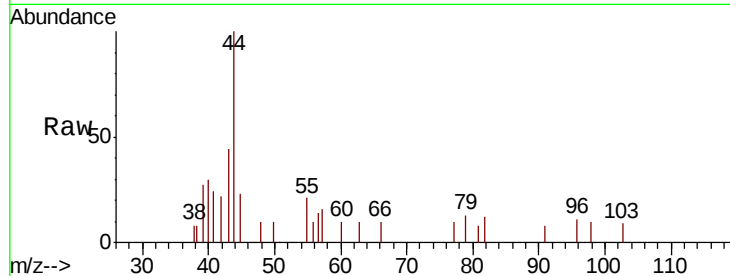




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.090 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.01 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

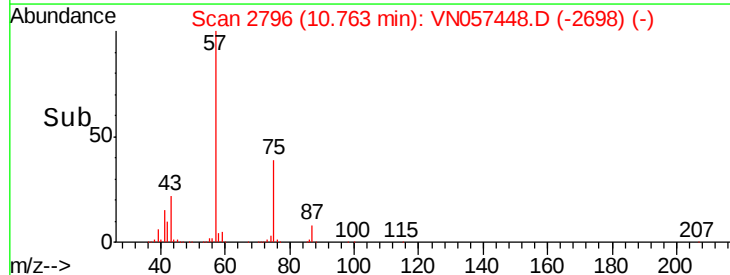
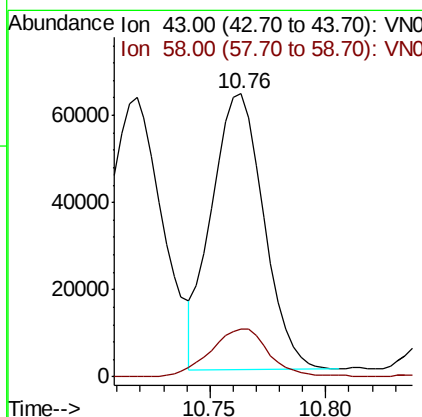
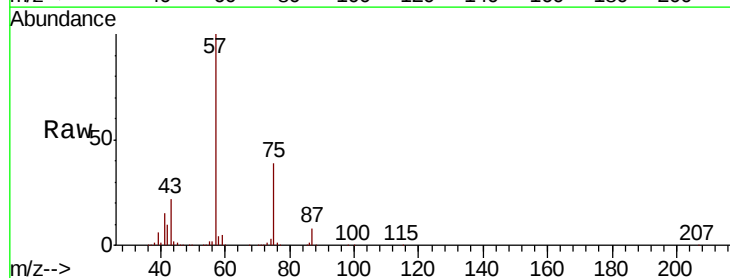
Instrument :
 MSVOA_N
 ClientSampled :
 T1-G(0)

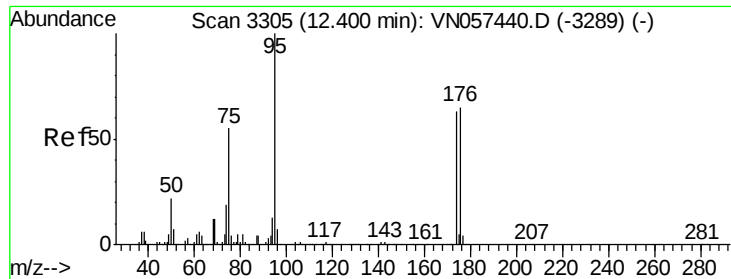
Tgt Ion: 63 Resp: 68
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 17.903 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

Tgt Ion: 43 Resp: 99228
 Ion Ratio Lower Upper
 43 100
 58 19.7 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 40.927 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

T1-G-(0)

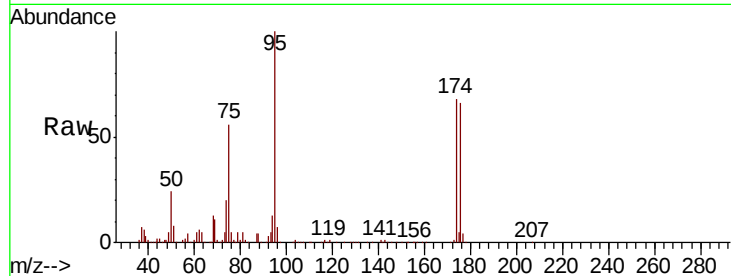
Tgt Ion: 95 Resp: 277426

Ion Ratio Lower Upper

95 100

174 68.4 0.0 133.0

176 65.4 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057448.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN057448.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN057448.D (-3289) (-)

12.40

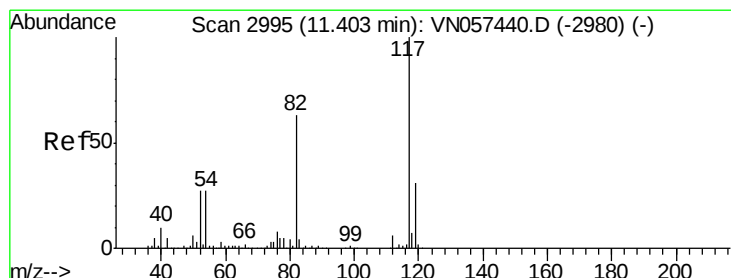
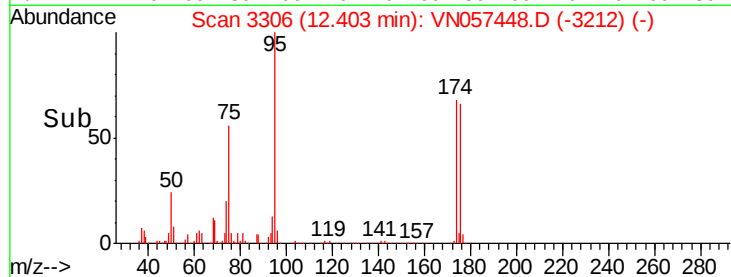
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

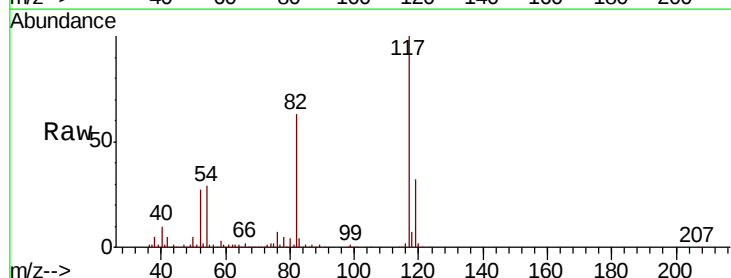
Tgt Ion: 117 Resp: 650850

Ion Ratio Lower Upper

117 100

82 62.7 50.6 75.8

119 32.2 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): VN057448.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN057448.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN057448.D (-2980) (-)

11.41

500000

400000

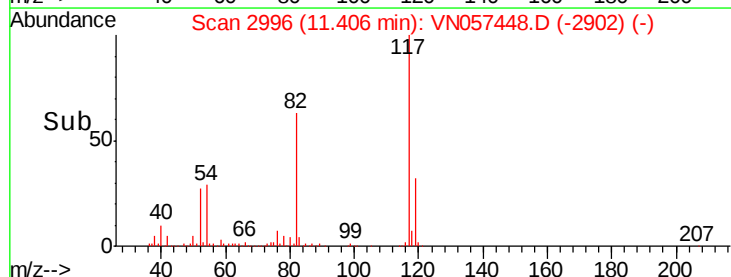
300000

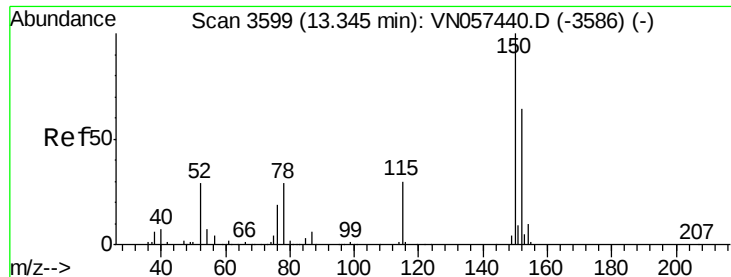
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

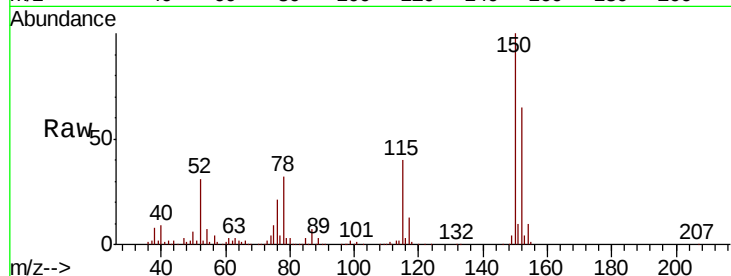
Tgt Ion:152 Resp: 166954

Ion Ratio Lower Upper

152 100

115 62.2 32.0 96.0

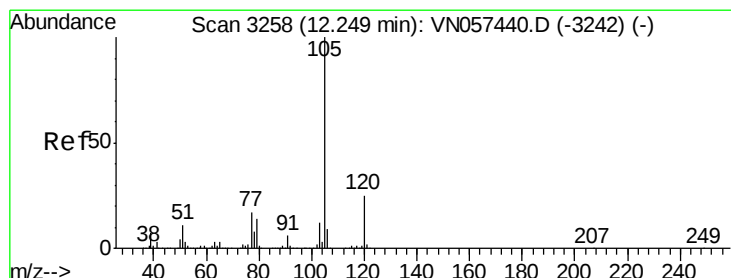
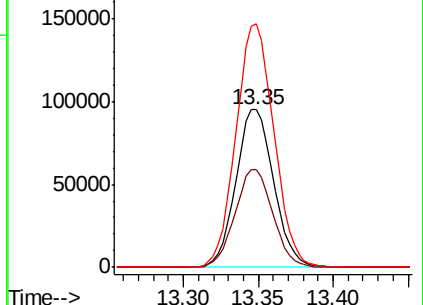
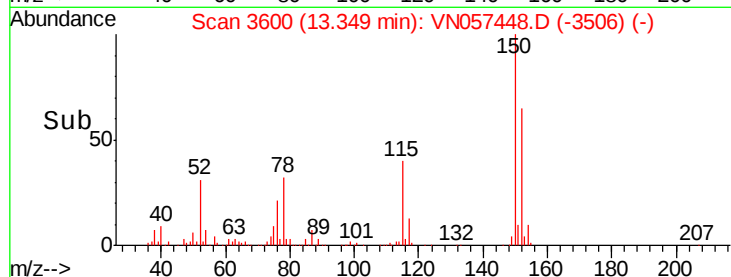
150 155.8 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057448.D

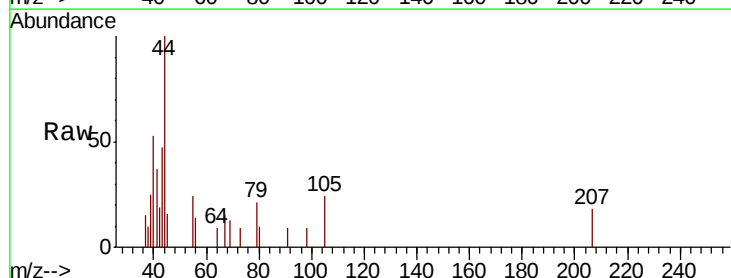
Acq: 22 Aug 2019 22:07

Tgt Ion:105 Resp: 911

Ion Ratio Lower Upper

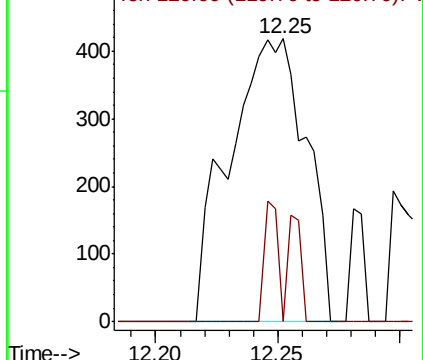
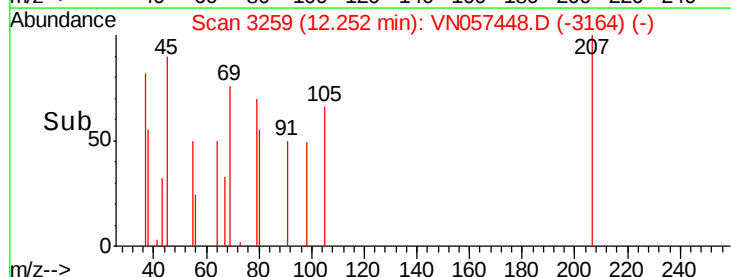
105 100

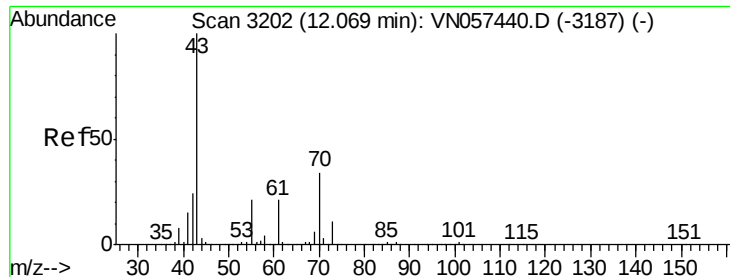
120 6.5 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

Tgt Ion: 43 Resp: 3155

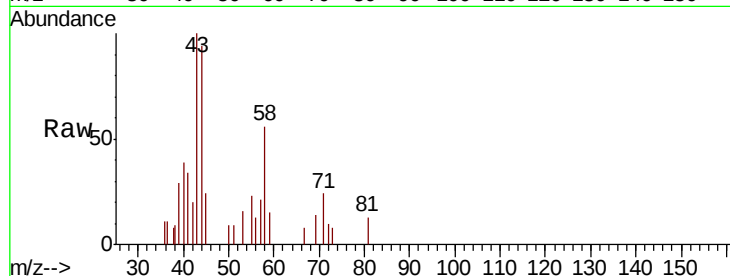
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 4.6 17.0 25.4#

61 0.0 17.0 25.6#

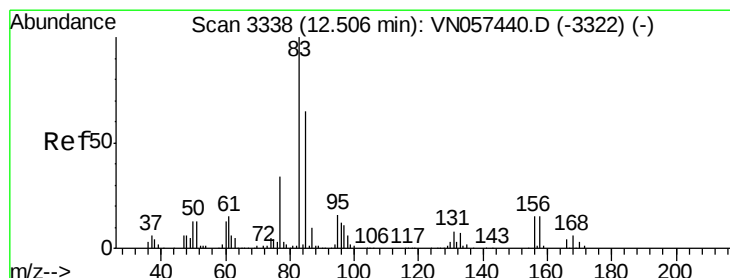
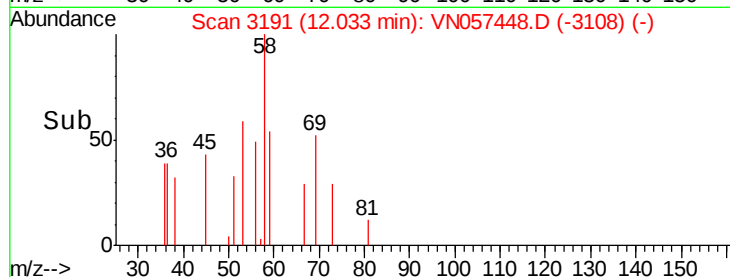
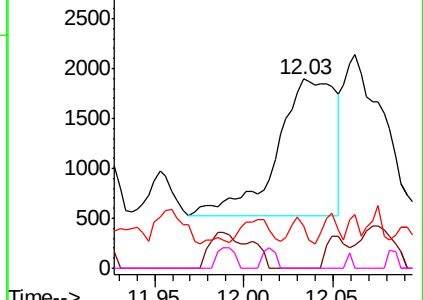


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

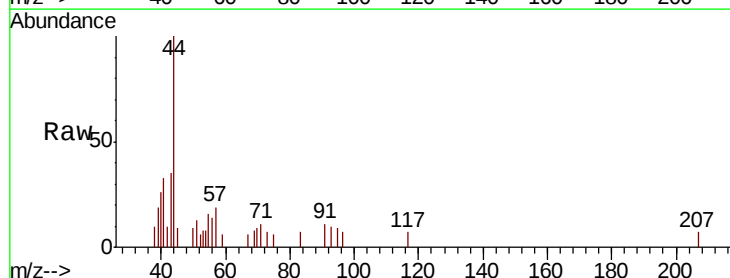
Tgt Ion: 83 Resp: 96

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

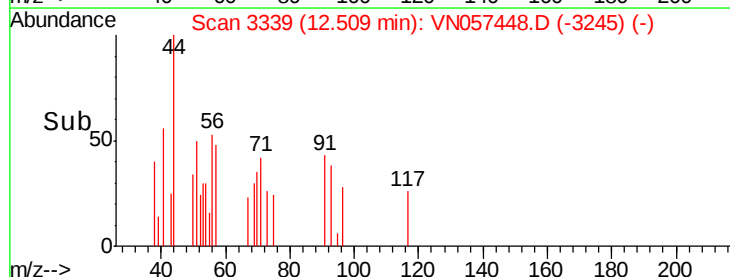
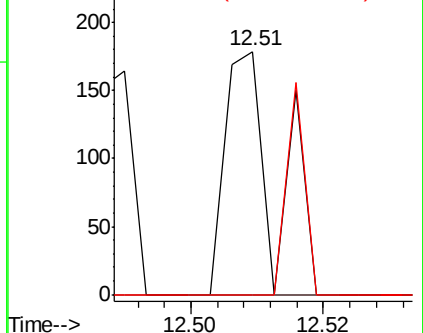
85 31.3 32.3 96.8#

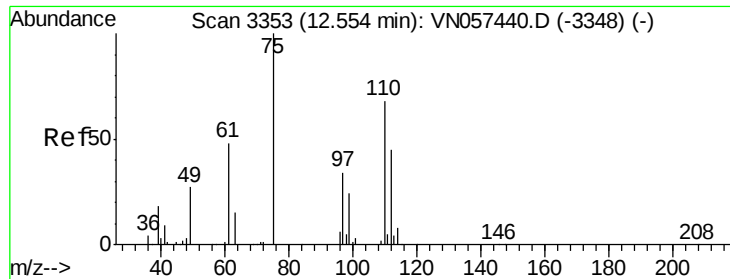


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

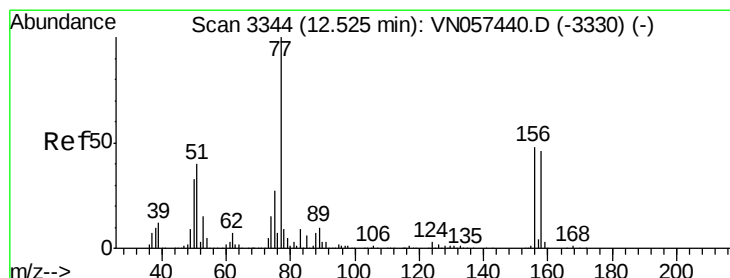
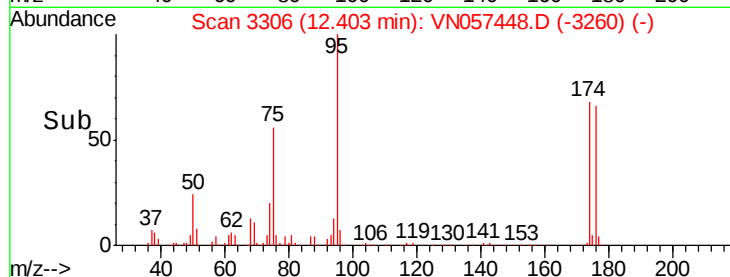
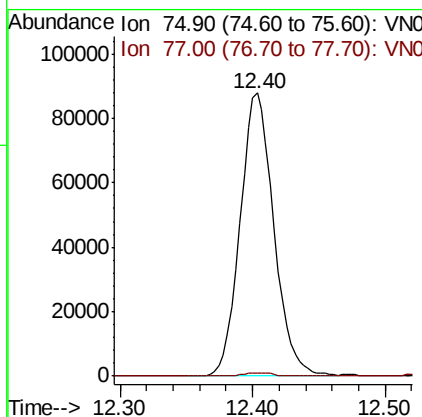
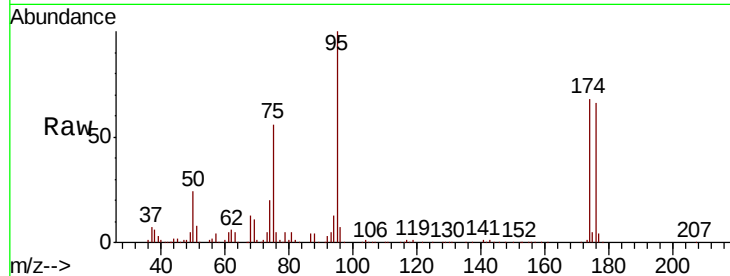




#76
 1,2,3-Trichloropropane
 Concen: 41.341 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

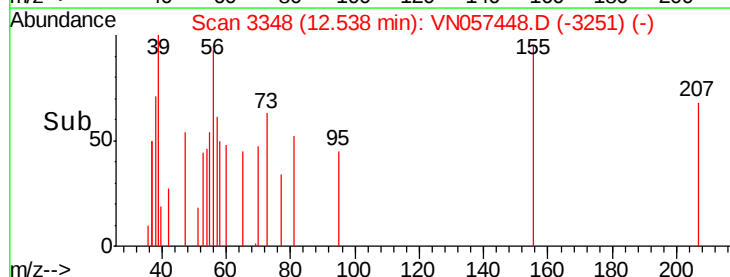
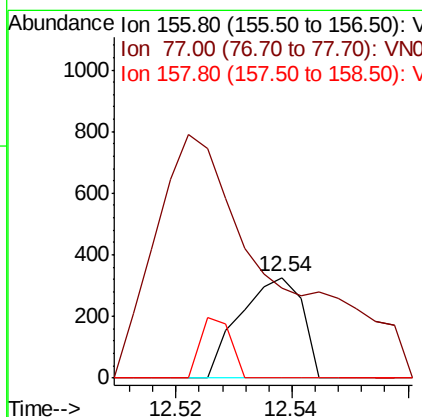
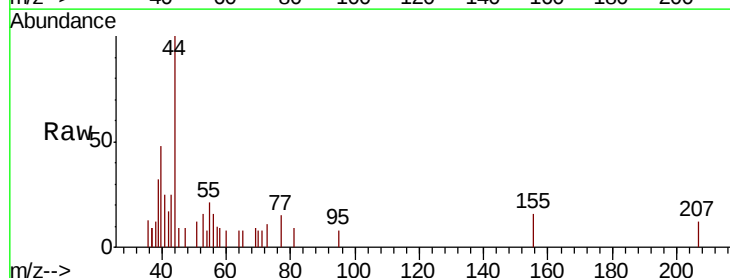
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(0)

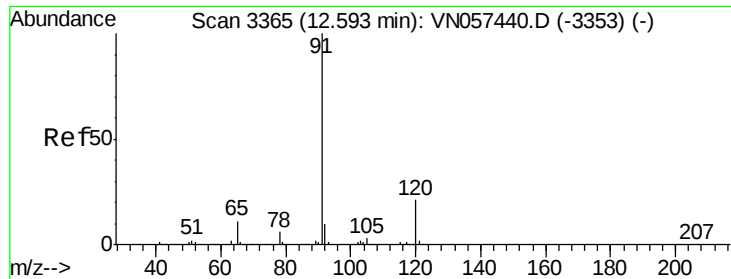
Tgt Ion: 75 Resp: 155162
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.54 min Scan# 3348
 Delta R.T. 0.01 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

Tgt Ion: 156 Resp: 242
 Ion Ratio Lower Upper
 156 100
 77 464.5 124.4 373.3#
 158 29.8 48.3 144.8#





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

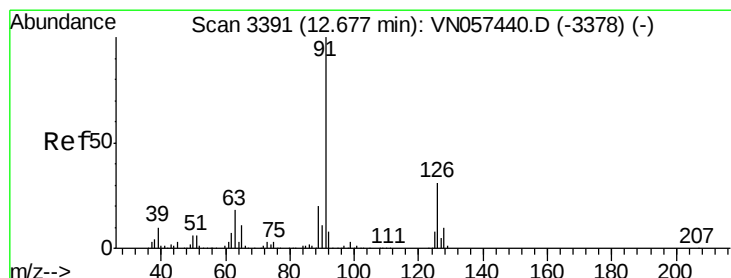
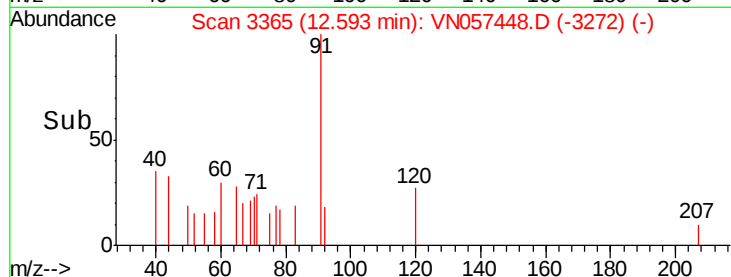
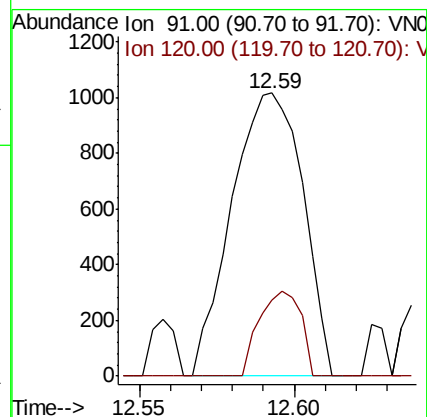
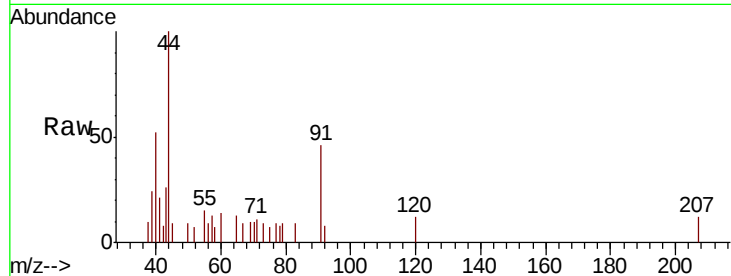
T1-G(0)

Tgt Ion: 91 Resp: 1627

Ion Ratio Lower Upper

91 100

120 17.3 10.7 32.1



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057448.D

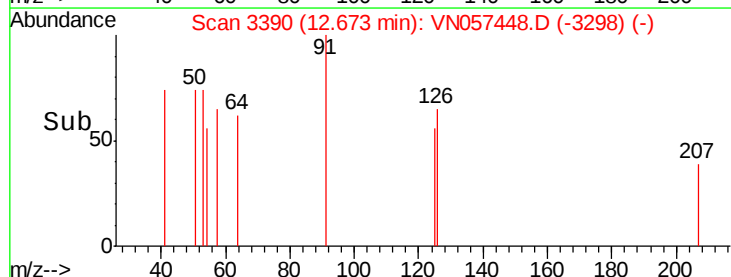
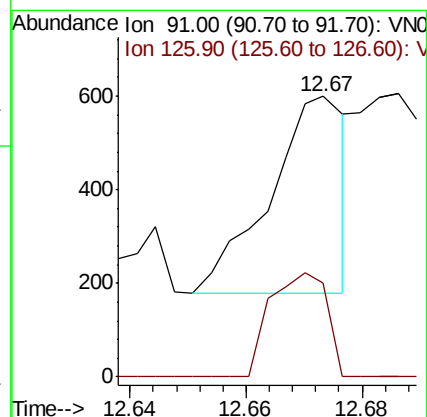
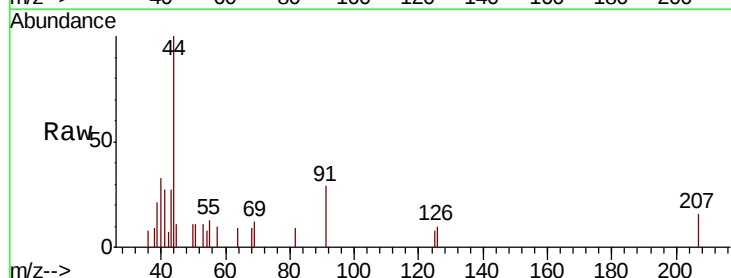
Acq: 22 Aug 2019 22:07

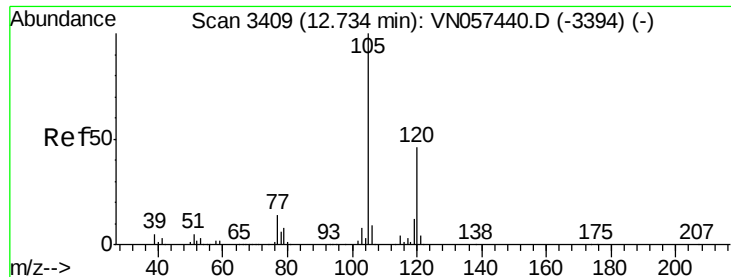
Tgt Ion: 91 Resp: 380

Ion Ratio Lower Upper

91 100

126 40.0 15.3 45.8





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

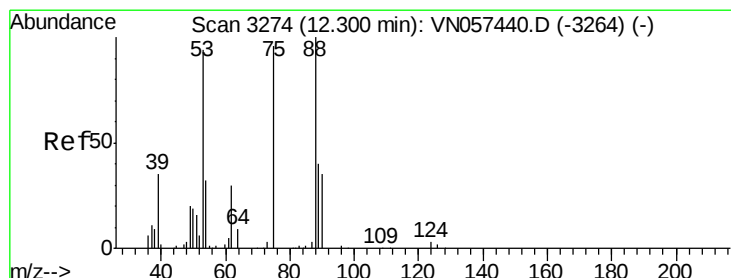
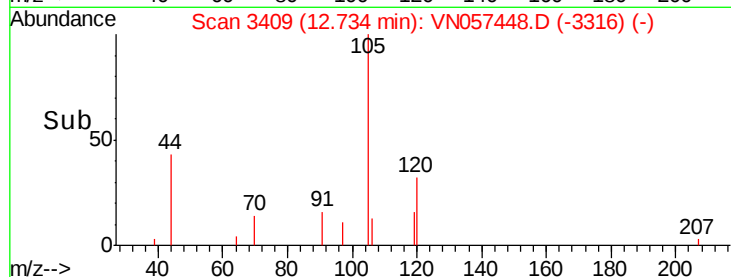
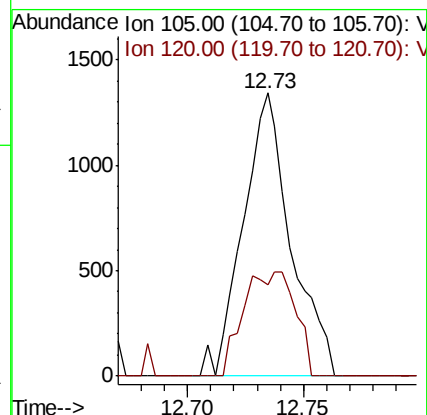
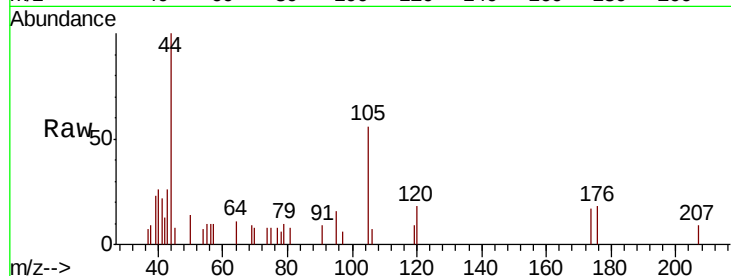
T1-G-(0)

Tgt Ion: 105 Resp: 1926

Ion Ratio Lower Upper

105 100

120 40.0 23.3 69.8



#81

trans-1,4-Dichloro-2-butene

Concen: 106.502 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

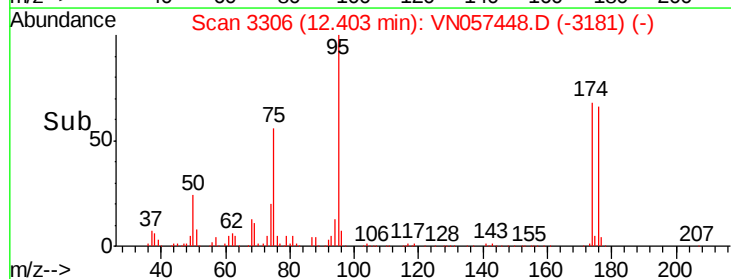
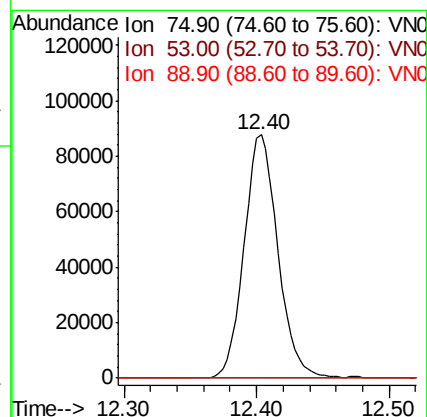
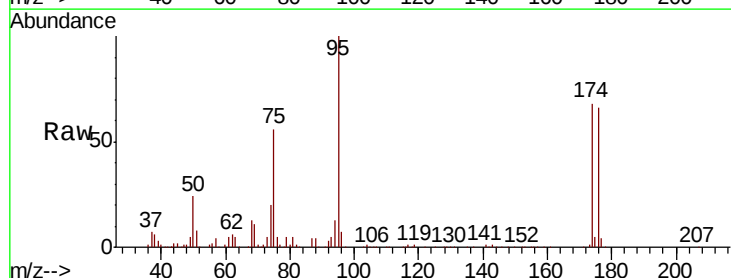
Tgt Ion: 75 Resp: 155162

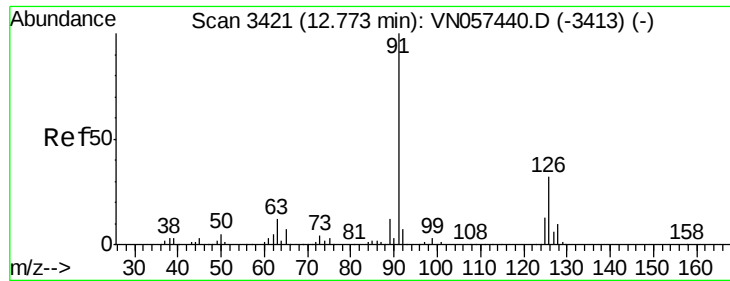
Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

89 0.1 35.8 53.8#

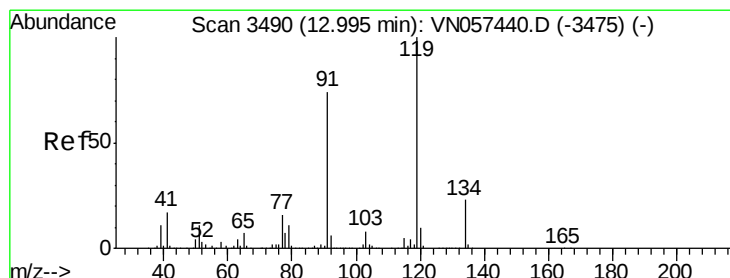
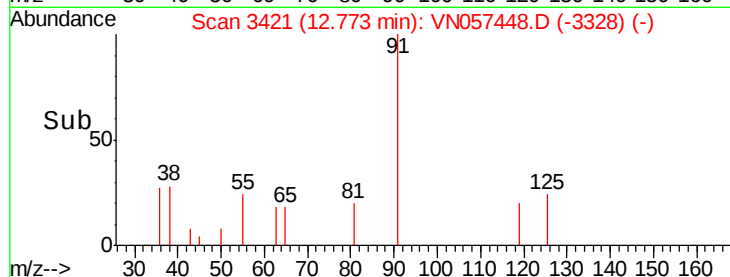
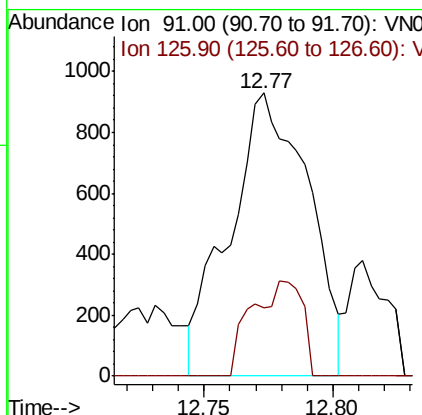
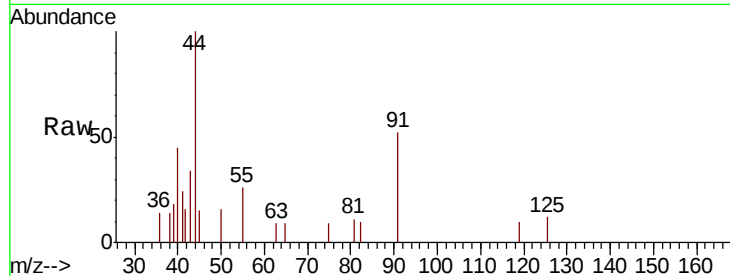




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

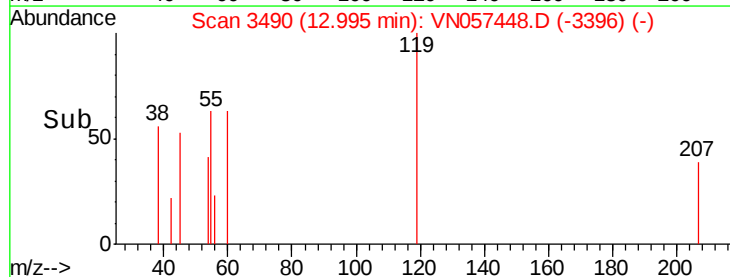
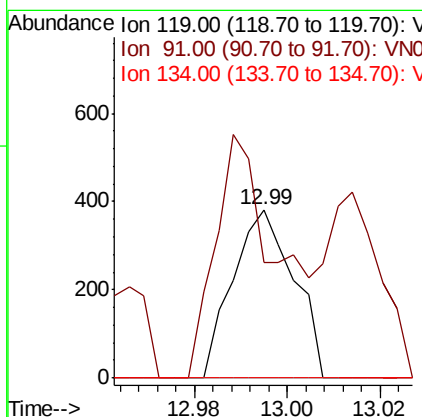
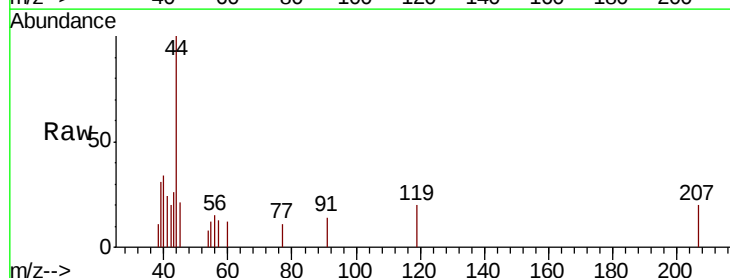
Instrument :
MSVOA_N
ClientSampled :
T1-G-(0)

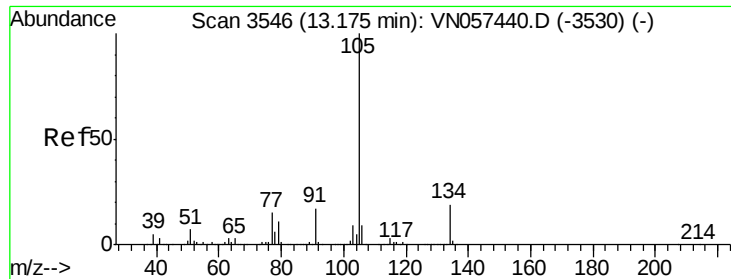
Tgt Ion: 91 Resp: 1982
Ion Ratio Lower Upper
91 100
126 21.6 15.0 45.0



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057448.D
Acq: 22 Aug 2019 22:07

Tgt Ion: 119 Resp: 347
Ion Ratio Lower Upper
119 100
91 145.2 37.0 111.0#
134 0.0 12.2 36.6#

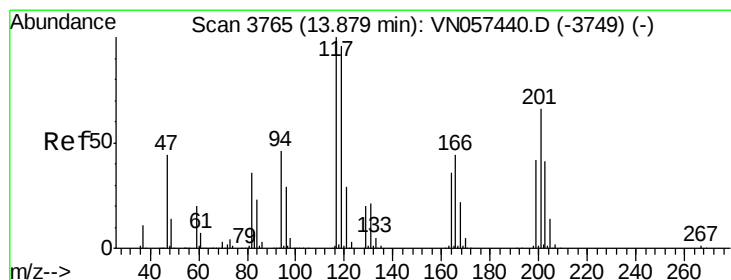
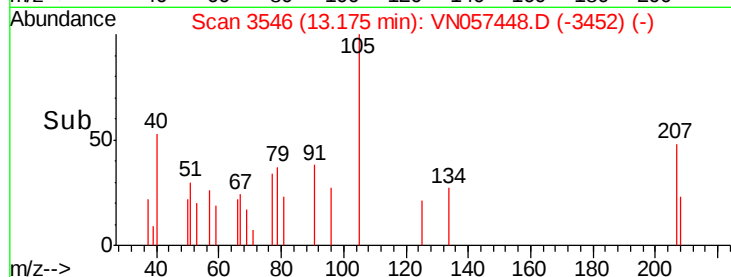
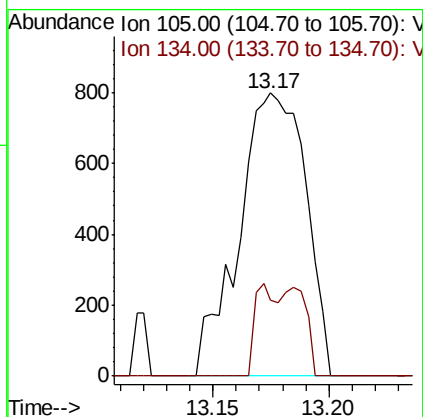
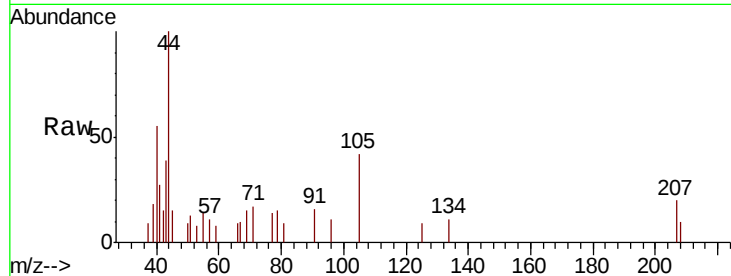




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

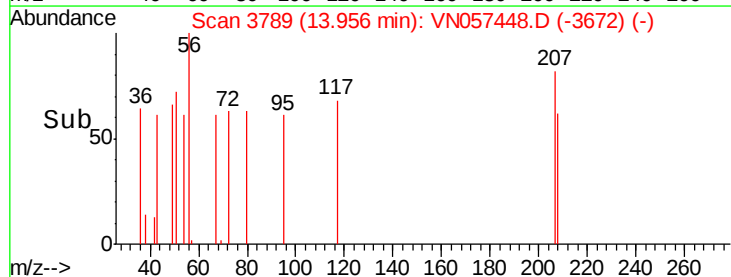
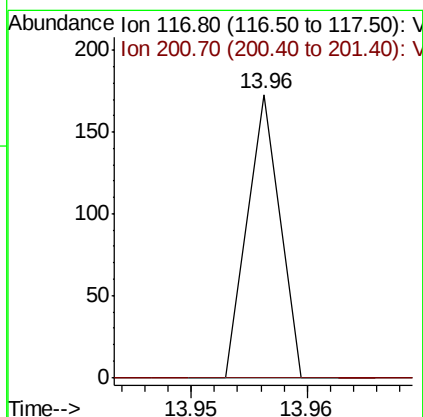
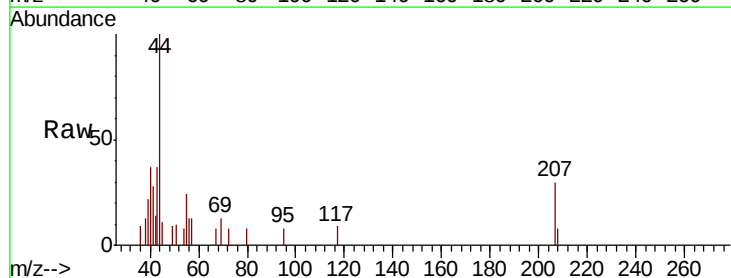
Instrument :
 MSVOA_N
 ClientSampled :
 T1-G(0)

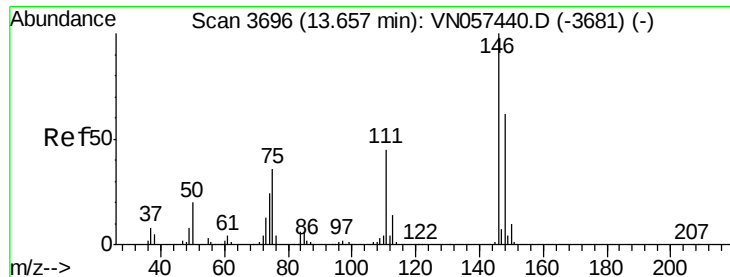
Tgt Ion:105 Resp: 1600
 Ion Ratio Lower Upper
 105 100
 134 11.1 9.3 27.9



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.96 min Scan# 3789
 Delta R.T. 0.08 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

Tgt Ion:117 Resp: 33
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.1 99.3#





#91

1,2-Dichlorobenzene

Concen: 0.227 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

T1-G-(0)

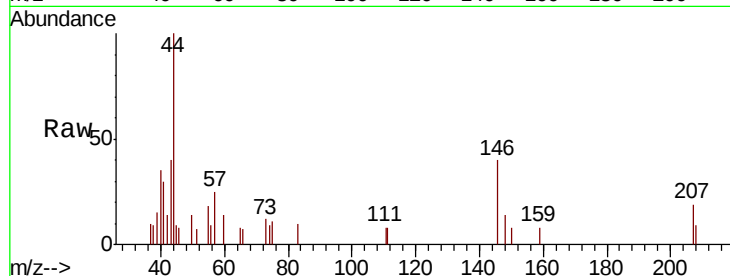
Tgt Ion:146 Resp: 1171

Ion Ratio Lower Upper

146 100

111 14.9 23.1 69.2#

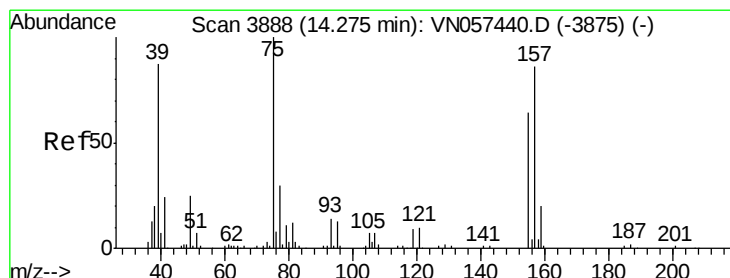
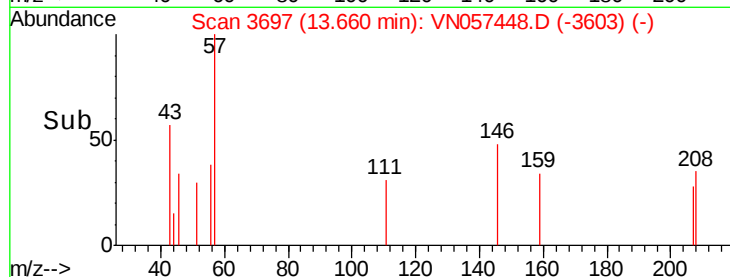
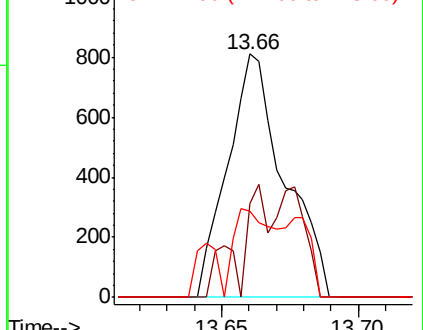
148 24.7 31.8 95.4#



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: Below Cal

RT: 14.29 min Scan# 3892

Delta R.T. 0.01 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

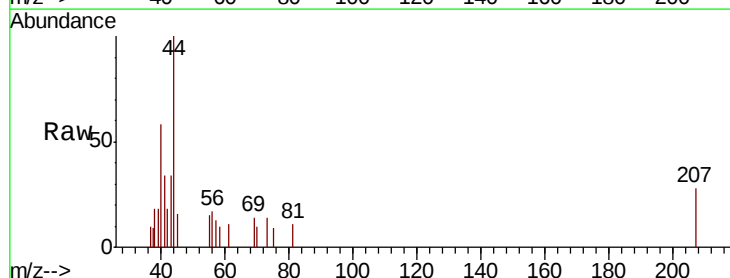
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

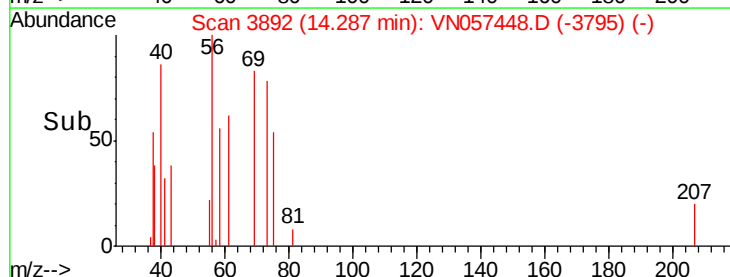
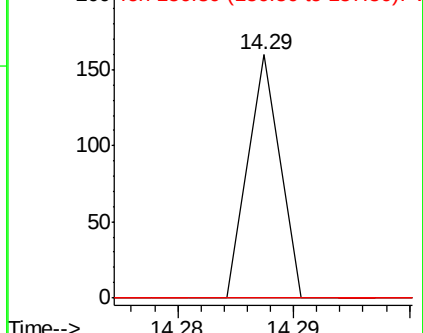
157 0.0 43.3 129.8#

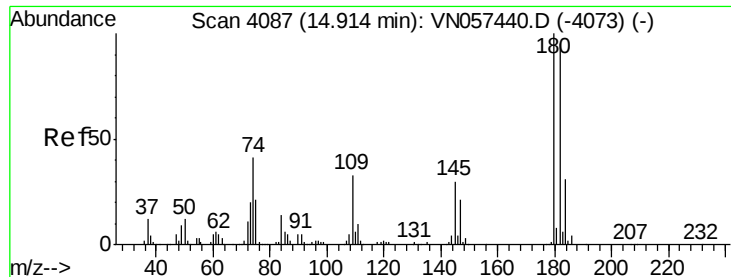


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

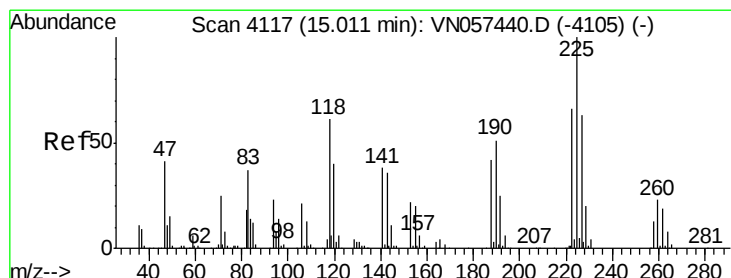
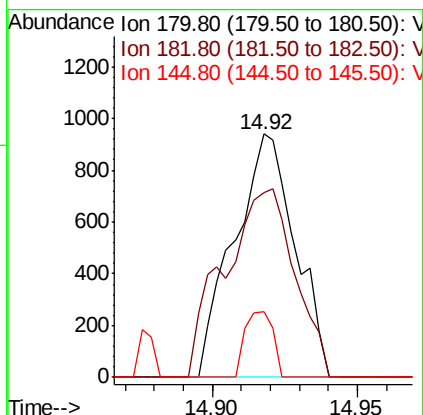
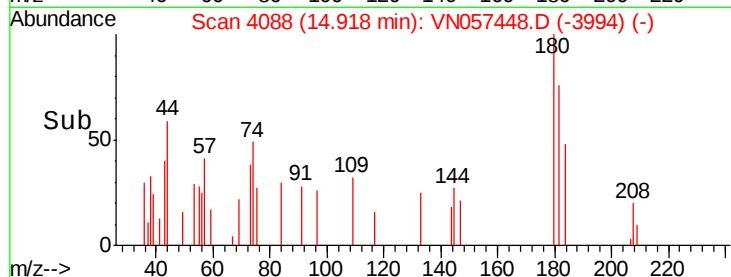
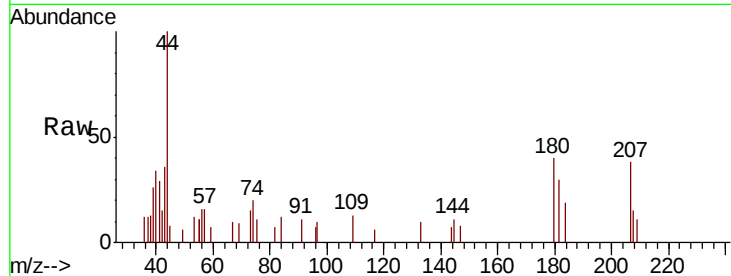




#93
 1,2,4-Trichlorobenzene
 Concen: 5.963 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

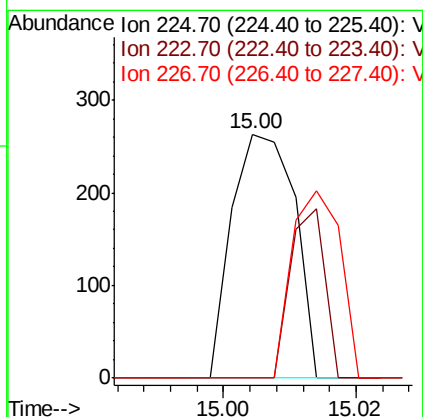
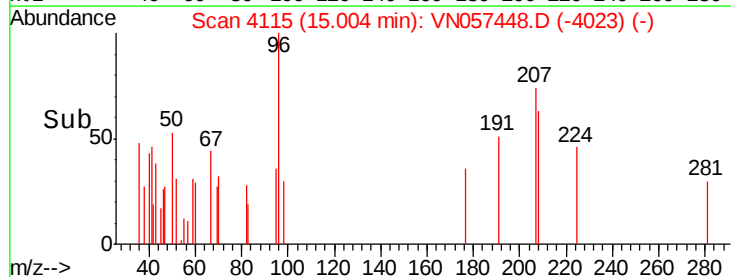
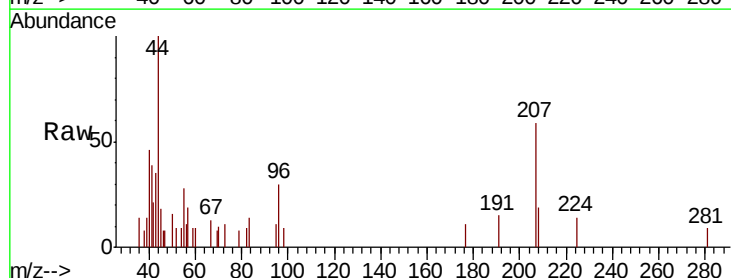
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(0)

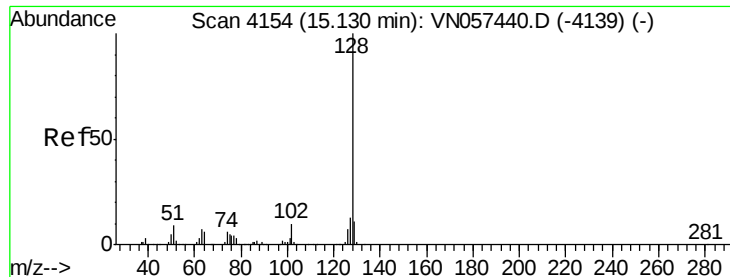
Tgt Ion:180 Resp: 1379
 Ion Ratio Lower Upper
 180 100
 182 89.7 46.7 140.1
 145 12.4 15.6 46.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VN057448.D
 Acq: 22 Aug 2019 22:07

Tgt Ion:225 Resp: 173
 Ion Ratio Lower Upper
 225 100
 223 38.2 32.0 96.2
 227 60.1 31.5 94.5





#95

Naphthalene

Concen: 4.804 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(0)

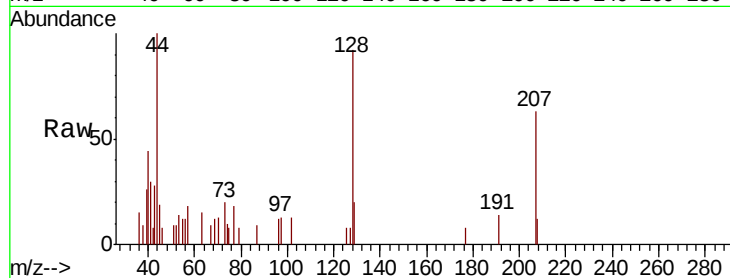
Tgt Ion:128 Resp: 3379

Ion Ratio Lower Upper

128 100

127 3.1 10.5 15.7#

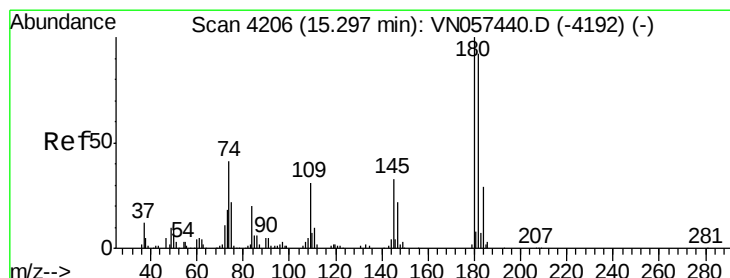
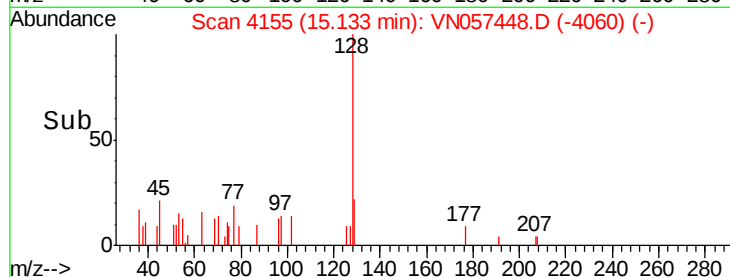
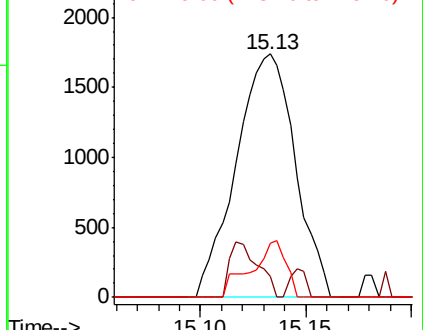
129 13.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.720 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057448.D

Acq: 22 Aug 2019 22:07

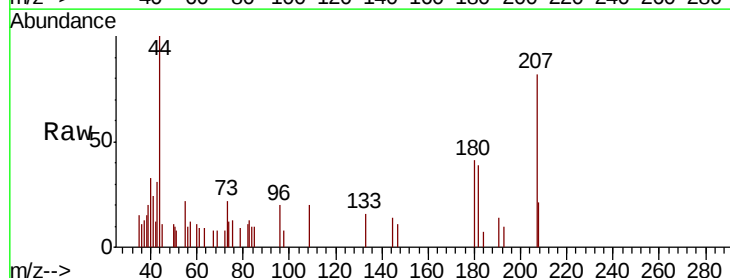
Tgt Ion:180 Resp: 1402

Ion Ratio Lower Upper

180 100

182 96.9 46.7 140.1

145 30.1 16.8 50.3



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

