

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
 Data File : VN057338.D
 Acq On : 15 Aug 2019 17:54
 Operator : JC/SP
 Sample : K4264-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

Quant Time: Aug 16 02:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

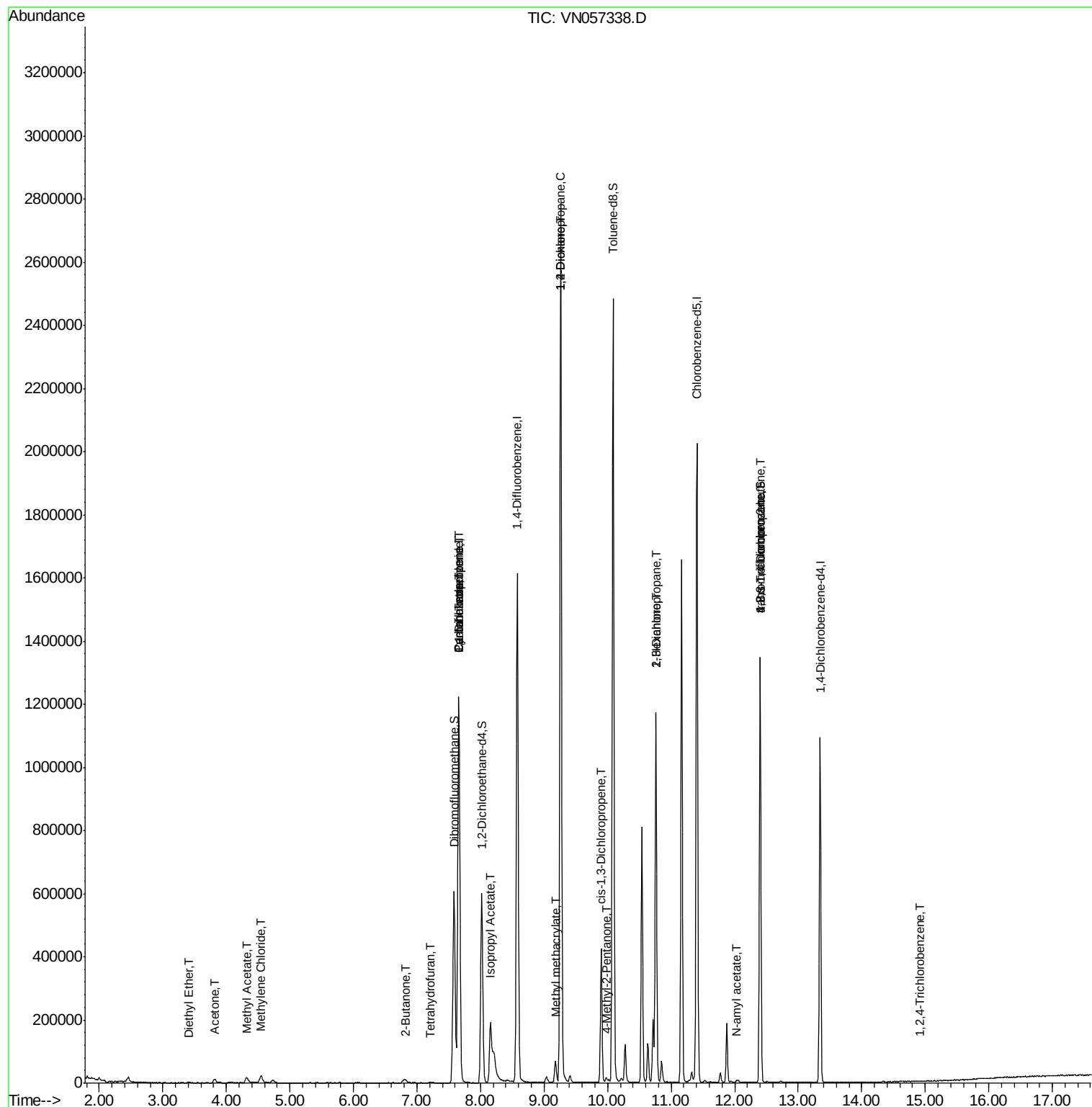
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1109893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1537605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1292346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320663	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	515334	42.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.42%	
35) Dibromofluoromethane	7.58	113	462641	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
50) Toluene-d8	10.09	98	1809655	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	465458	35.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.46%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.42	74	1724	0.275	ug/l #	32
16) Acetone	3.81	43	18041	4.310	ug/l	93
18) Methyl Acetate	4.32	43	35055	0.751	ug/l	97
20) Methylene Chloride	4.55	84	18279	1.561	ug/l	97
25) 2-Butanone	6.83	43	1217	0.201	ug/l #	76
29) Tetrahydrofuran	7.21	42	999	0.260	ug/l #	61
31) Cyclohexane	7.66	56	15833	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	67328	4.959	ug/l #	47
38) Carbon Tetrachloride	7.66	117	96316	6.828	ug/l #	16
43) Isopropyl Acetate	8.16	43	340291	15.967	ug/l #	74
45) 1,2-Dichloropropane	9.26	63	3620	0.338	ug/l #	44
48) Methyl methacrylate	9.18	41	9892	1.080	ug/l #	11
49) 1,4-Dioxane	9.26	88	96	0.499	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	11236	0.979	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	83399	4.942	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	13353	0.786	ug/l #	43
59) 2-Hexanone	10.76	43	166038	20.133	ug/l #	50
73) Isopropylbenzene	12.25	105	214	Below Cal	#	49
74) N-amyl acetate	12.03	43	5318	0.572	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.41	83	32	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	216514	33.682	ug/l #	100
77) Bromobenzene	12.40	156	112	Below Cal	#	1
79) 2-Chlorotoluene	12.67	91	194	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.74	105	2284	Below Cal		79
81) trans-1,4-Dichloro-2-buten	12.40	75	216514	82.333	ug/l #	15
83) tert-Butylbenzene	12.74	119	106	Below Cal	#	83
85) sec-Butylbenzene	13.17	105	266	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.92	180	61	5.369	ug/l #	75
94) Hexachlorobutadiene	15.01	225	79	Below Cal	#	20
95) Naphthalene	15.14	128	284	Below Cal	#	69

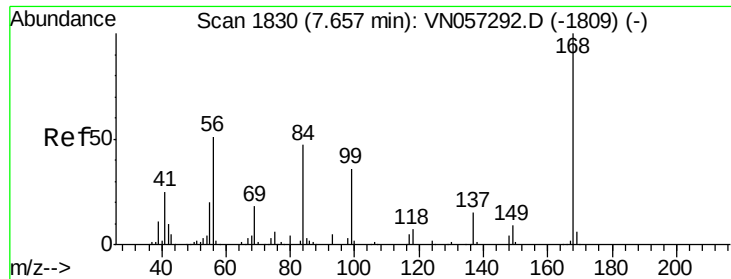
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

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MSVOA_N

ClientSampleId :

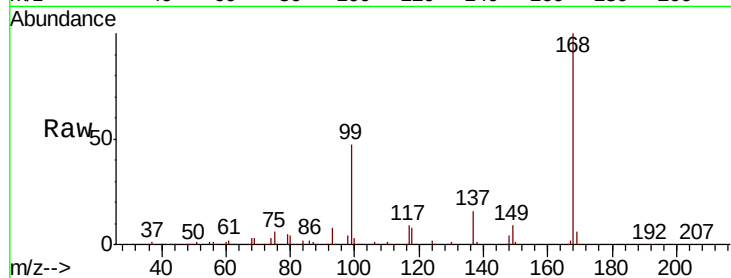
REACTOR-3-G2-(3)

Tgt Ion:168 Resp: 1109893

Ion Ratio Lower Upper

168 100

99 47.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

500000

400000

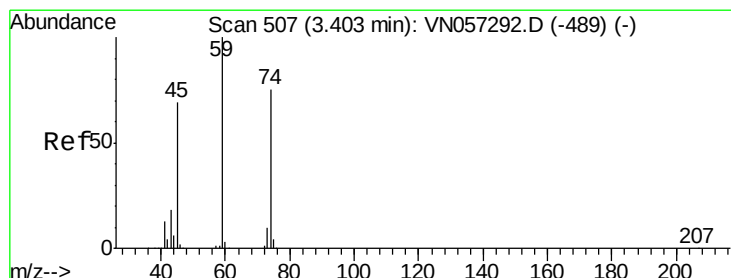
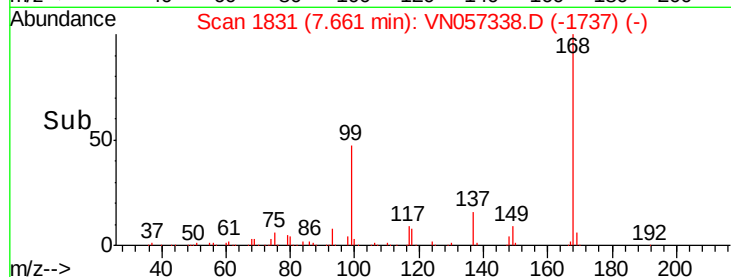
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.275 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.02 min

Lab File: VN057338.D

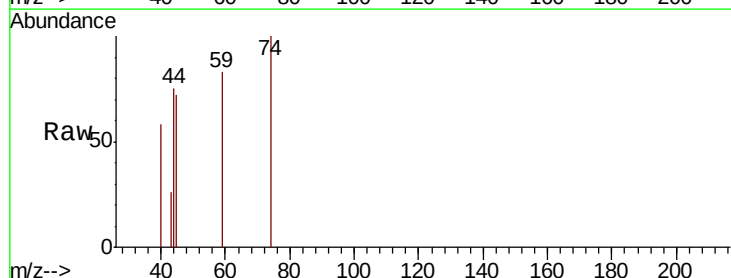
Acq: 15 Aug 2019 17:54

Tgt Ion: 74 Resp: 1724

Ion Ratio Lower Upper

74 100

45 27.3 45.9 137.6#



Abundance Ion 74.00 (73.70 to 74.70): VN057292.D (-489) (-)

Ion 45.00 (44.70 to 45.70): VN057292.D (-489) (-)

3.42

1200

1000

800

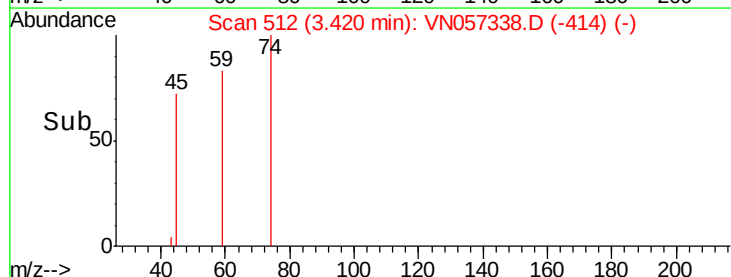
600

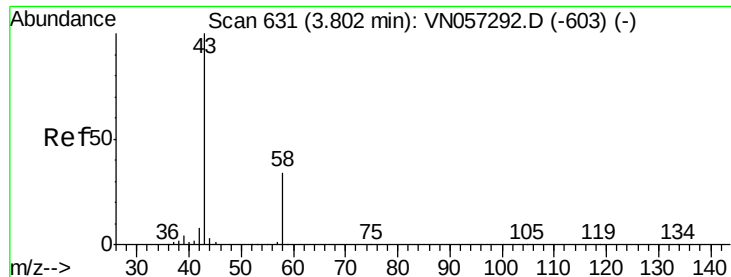
400

200

0

Time-->





#16

Acetone

Concen: 4.310 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

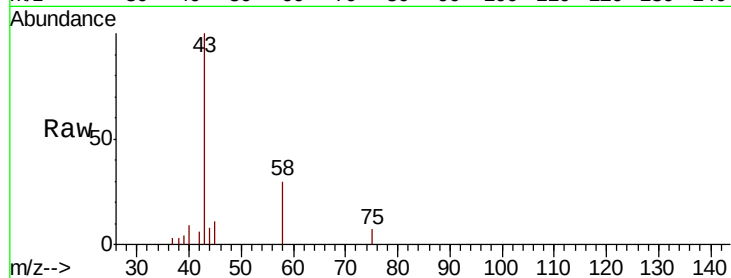
REACTOR-3-G2-(3)

Tgt Ion: 43 Resp: 18041

Ion Ratio Lower Upper

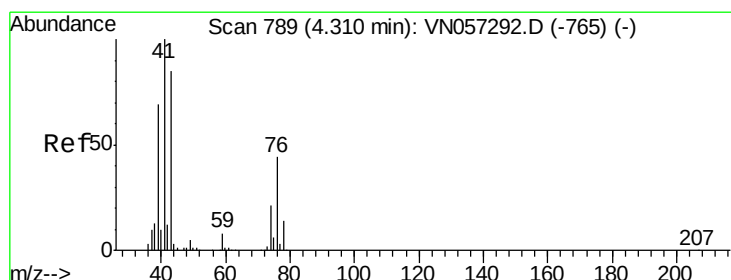
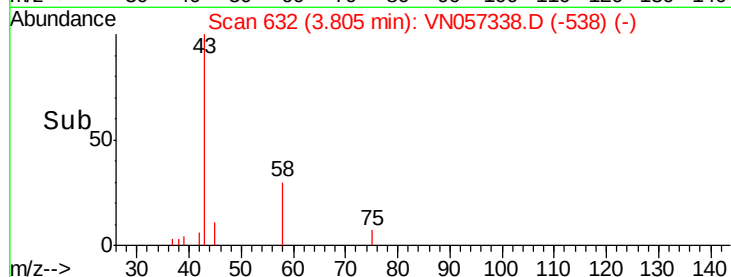
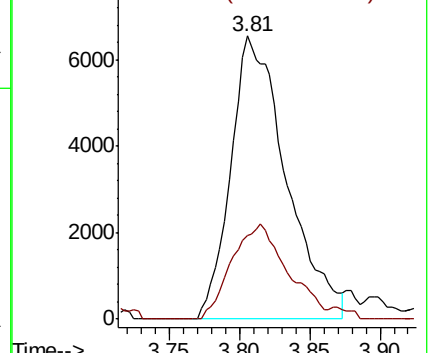
43 100

58 29.7 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.751 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057338.D

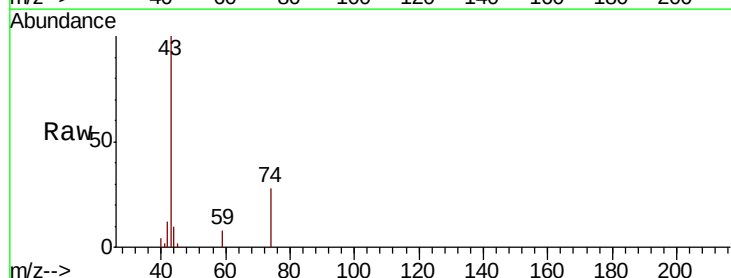
Acq: 15 Aug 2019 17:54

Tgt Ion: 43 Resp: 35055

Ion Ratio Lower Upper

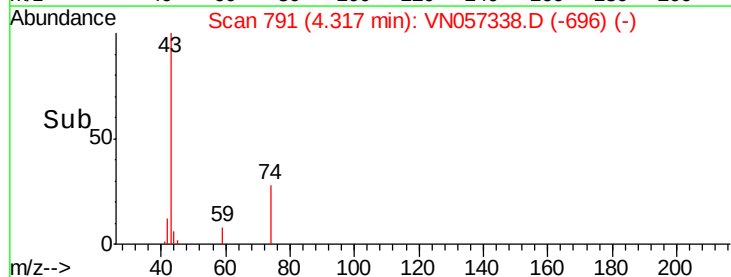
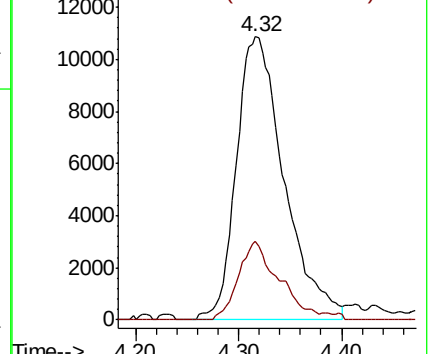
43 100

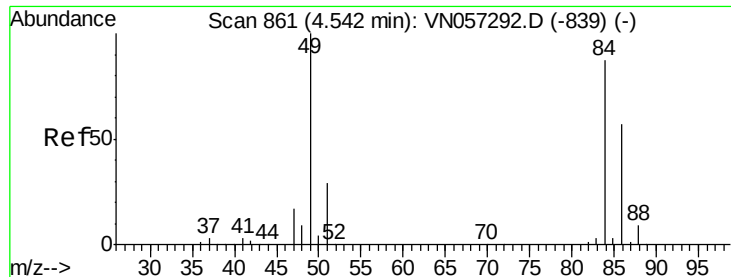
74 23.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

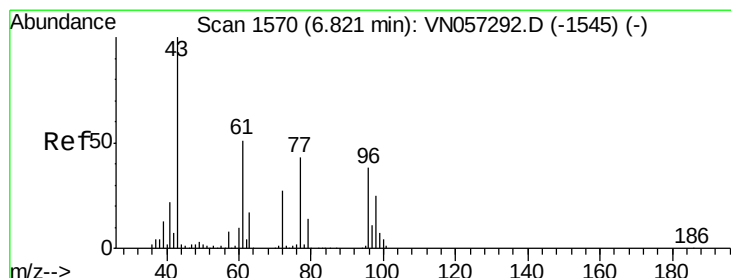
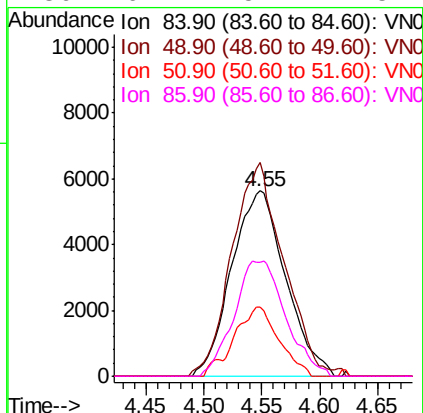
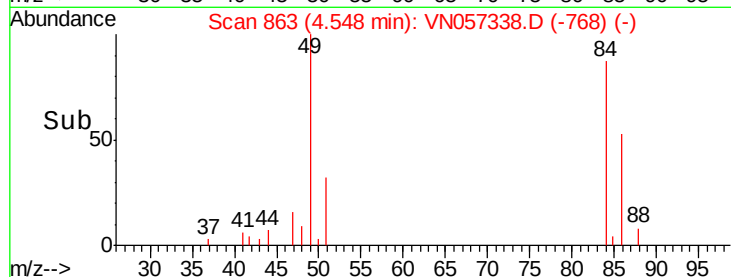
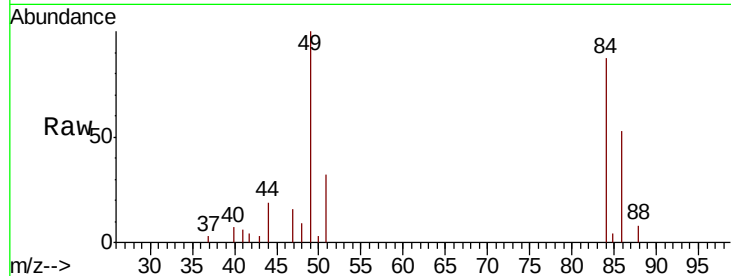




#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

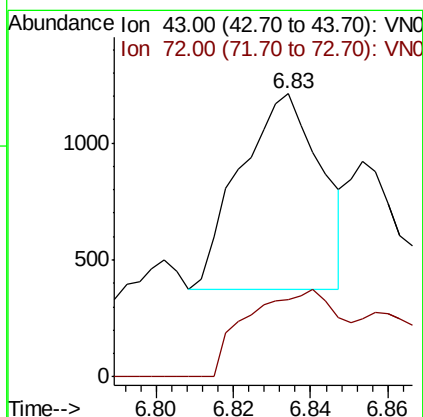
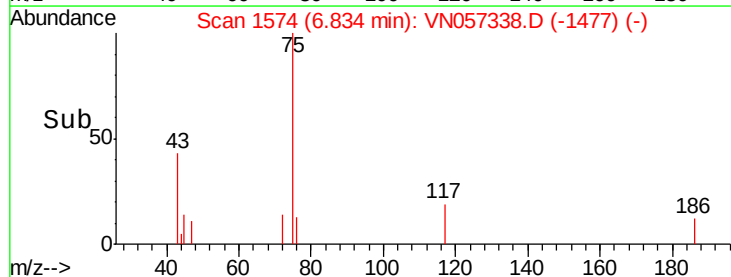
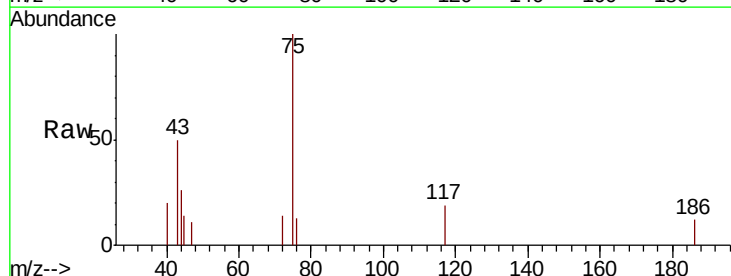
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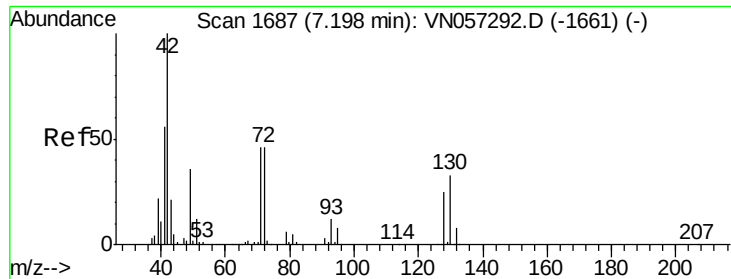
Tgt Ion:	84	Resp:	18279
Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.0	138.0
51	37.3	27.1	40.7
86	61.1	52.2	78.2



#25
2-Butanone
Concen: 0.201 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Tgt Ion:	43	Resp:	1217
Ion	Ratio	Lower	Upper
43	100		
72	39.2	21.5	32.3#

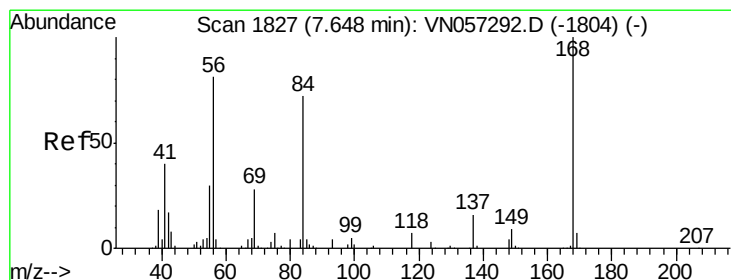
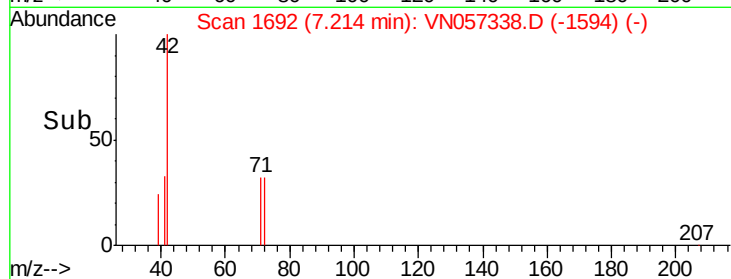
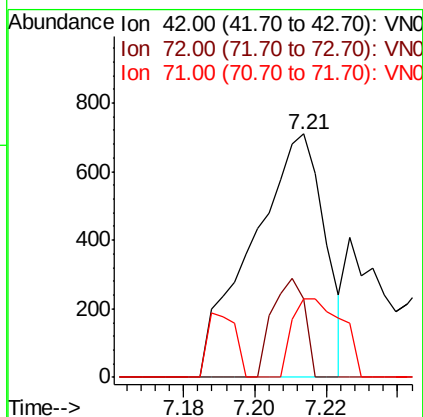
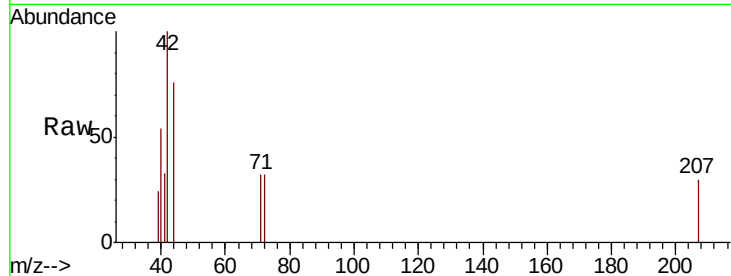




#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

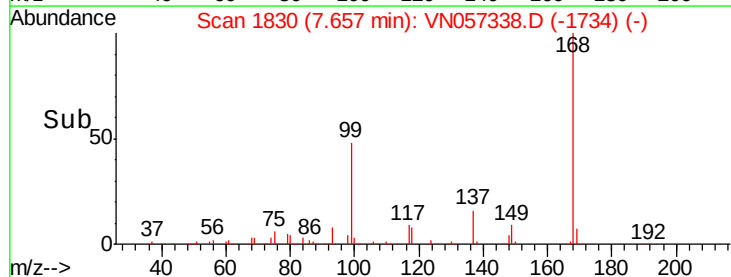
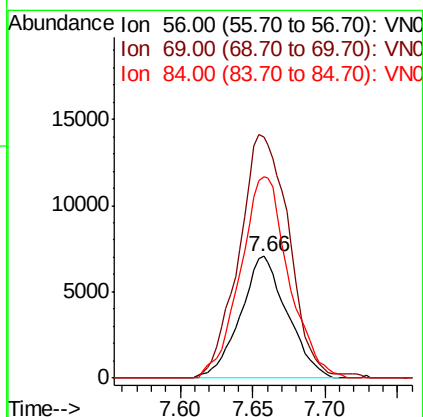
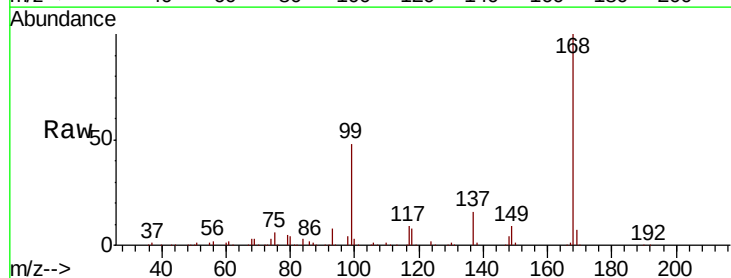
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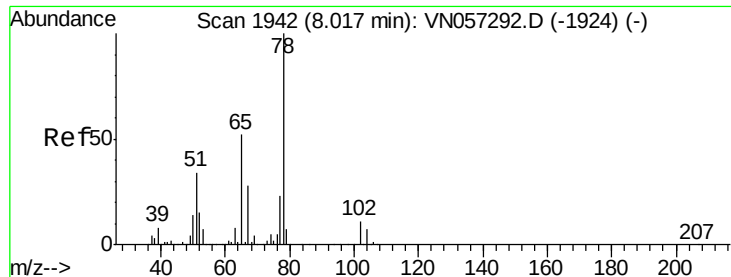
Tgt Ion: 42 Resp: 999
Ion Ratio Lower Upper
42 100
72 18.2 37.8 56.6#
71 22.3 35.7 53.5#



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Tgt Ion: 56 Resp: 15833
Ion Ratio Lower Upper
56 100
69 197.7 27.3 40.9#
84 165.3 71.0 106.6#

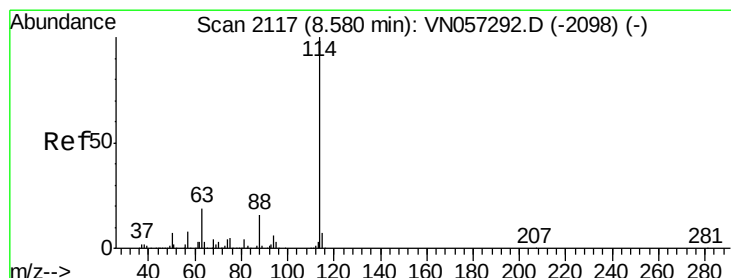
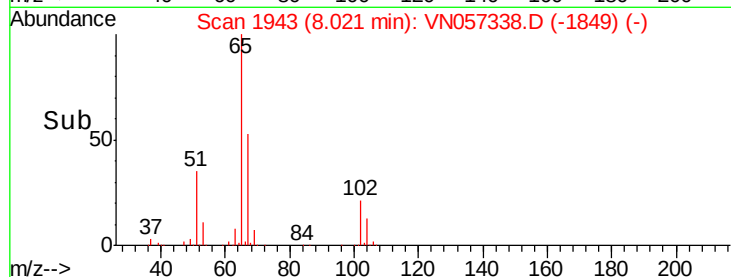
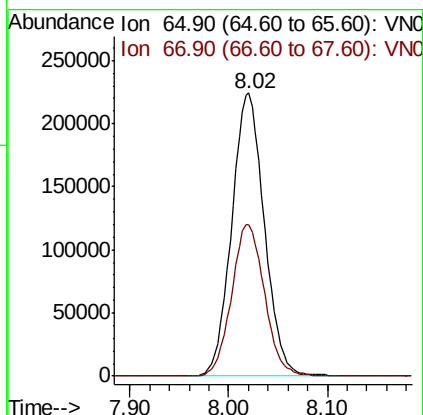
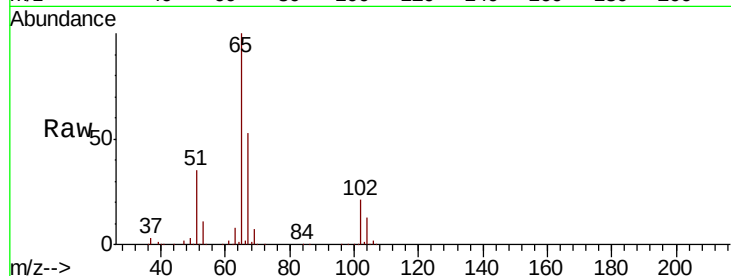




#33
 1,2-Dichloroethane-d4
 Concen: 42.711 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

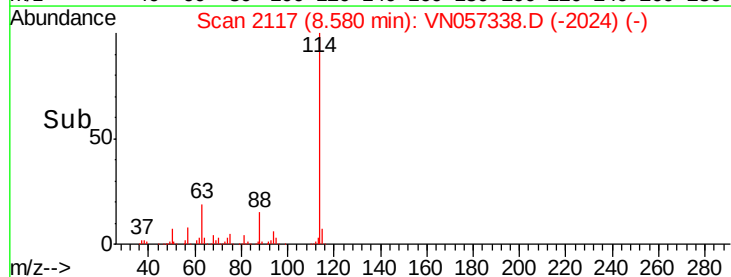
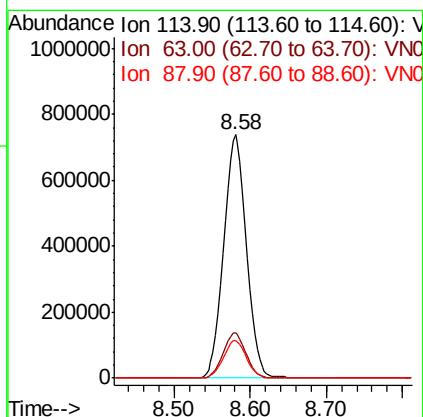
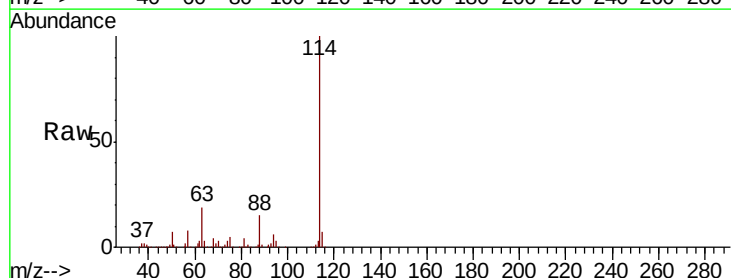
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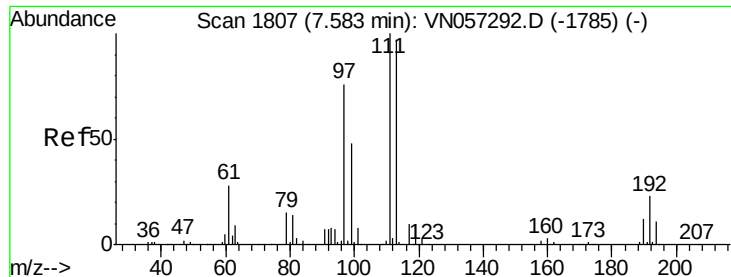
Tgt Ion: 65 Resp: 515334
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 114 Resp: 1537605
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.8
 88 15.4 0.0 31.4

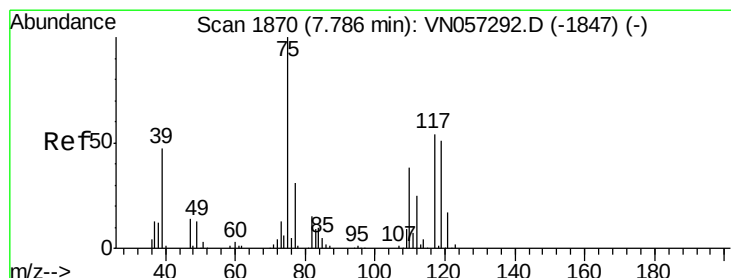
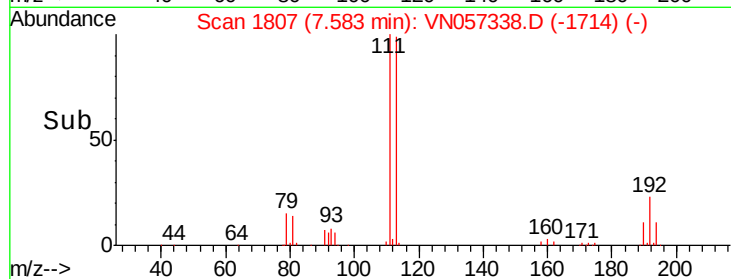
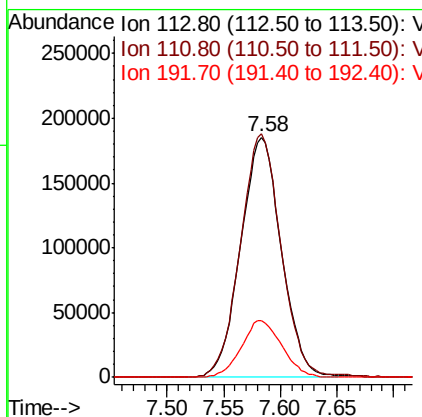
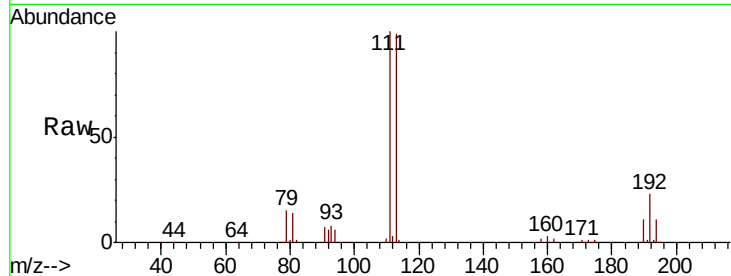




#35
 Dibromofluoromethane
 Concen: 45.900 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

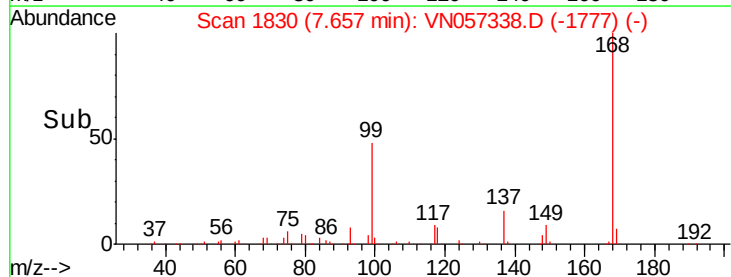
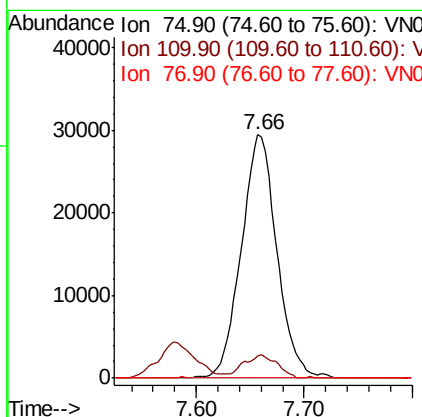
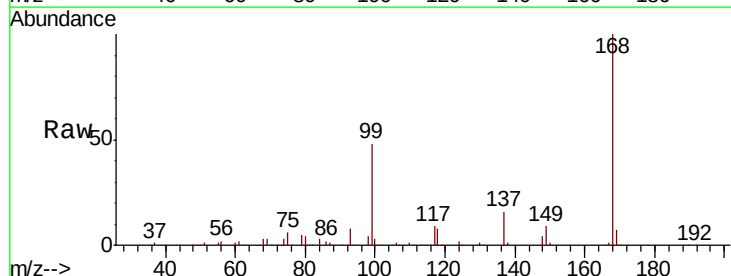
Instrument :
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 REACTOR-3-G2-(3)

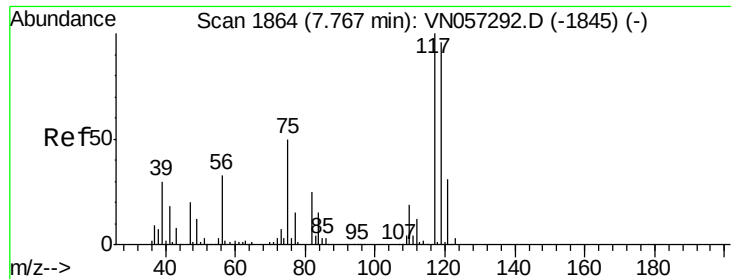
Tgt Ion: 113 Resp: 462641
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 23.6 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 75 Resp: 67328
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.5 58.5#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.828 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G2-(3)

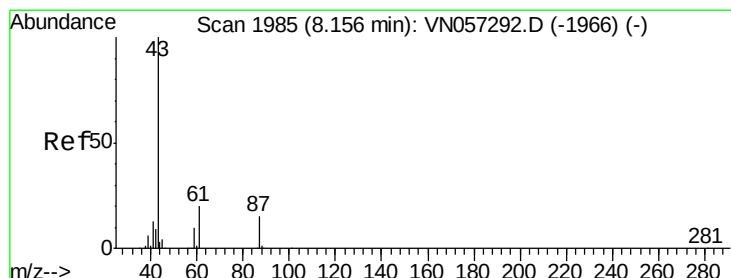
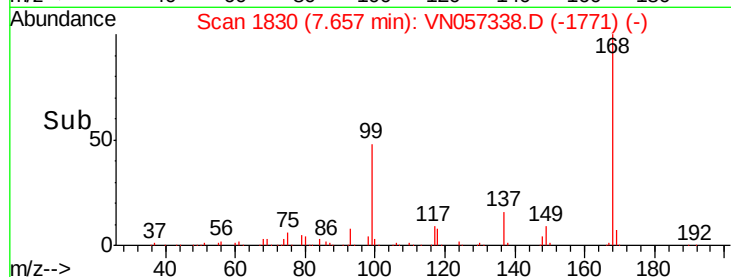
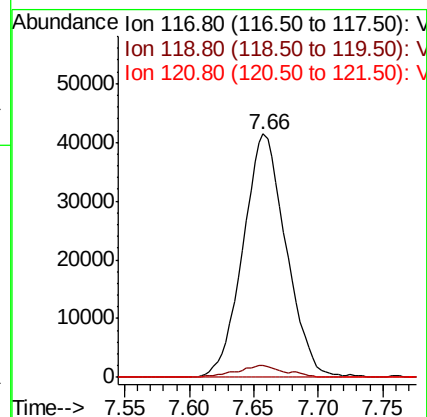
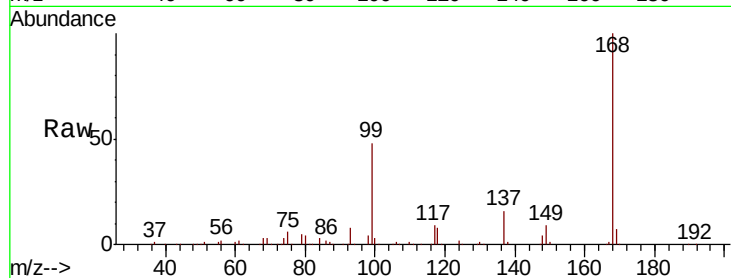
Tgt Ion:117 Resp: 96316

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 25.0 37.4#



#43

Isopropyl Acetate

Concen: 15.967 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

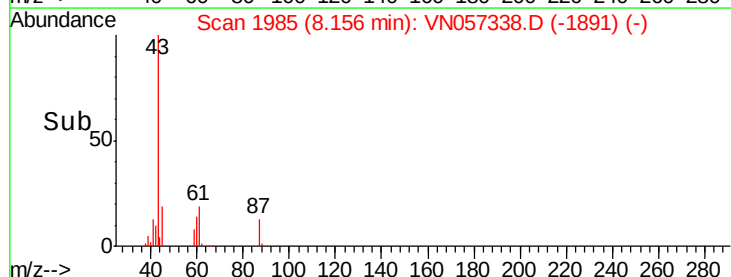
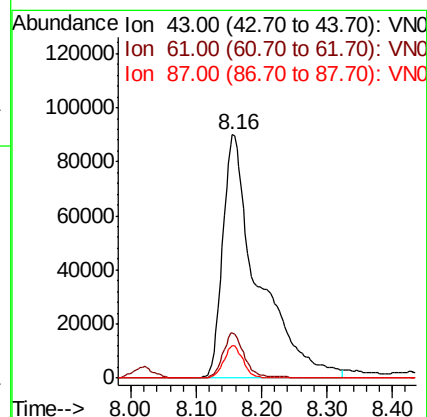
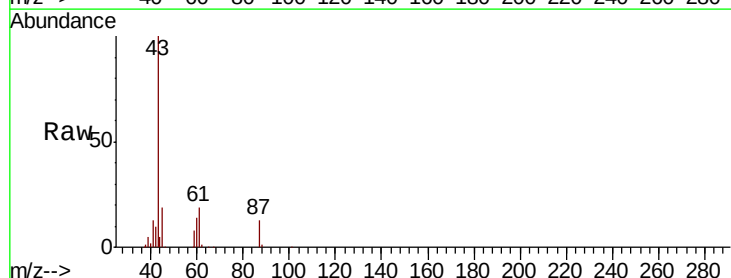
Tgt Ion: 43 Resp: 340291

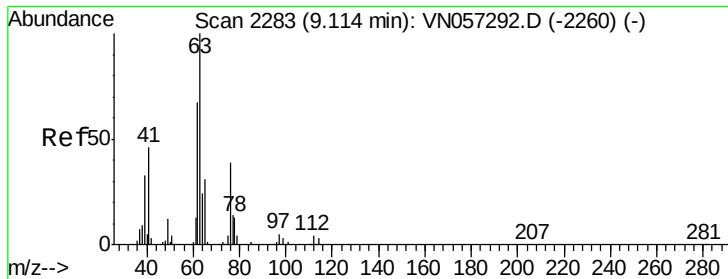
Ion Ratio Lower Upper

43 100

61 11.3 21.6 32.4#

87 7.3 11.4 17.0#

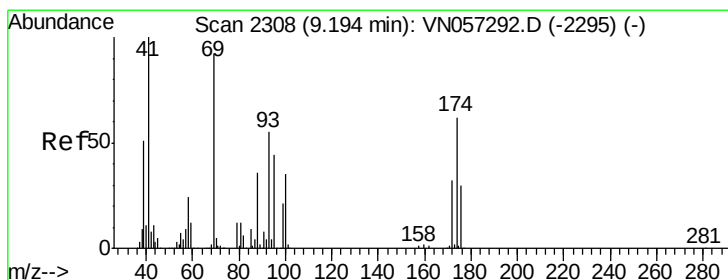
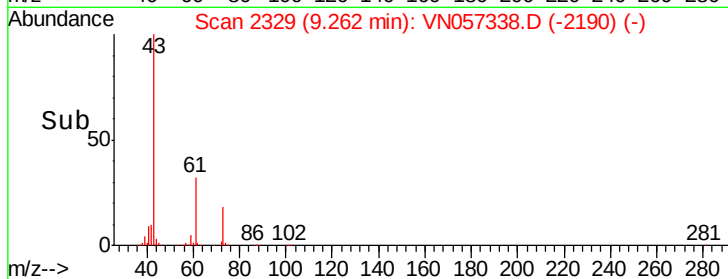
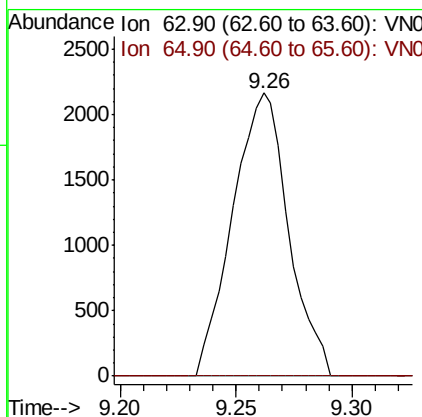
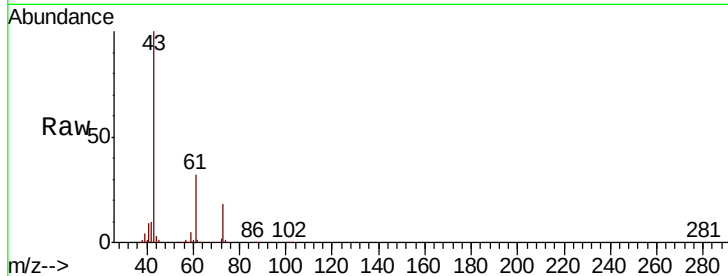




#45
 1,2-Dichloropropane
 Concen: 0.338 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.15 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

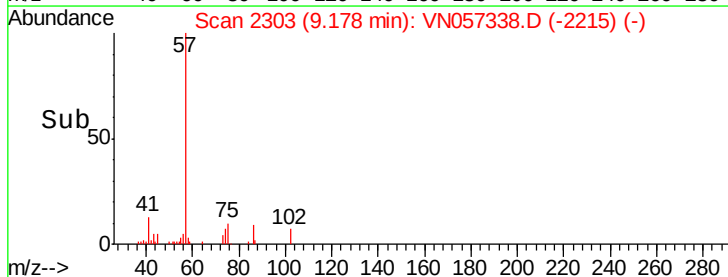
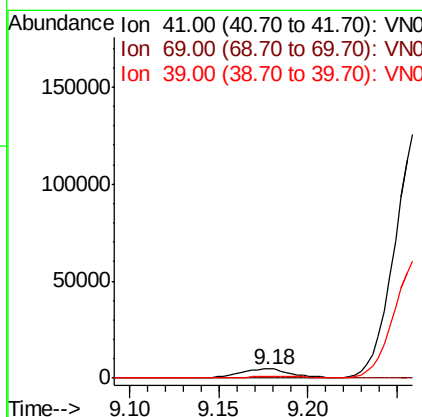
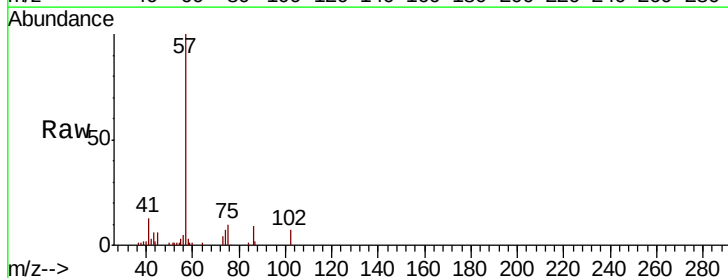
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

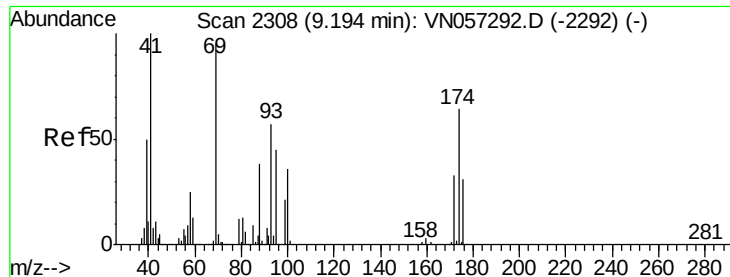
Tgt Ion: 63 Resp: 3620
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.080 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 41 Resp: 9892
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.9 113.9#
 39 0.0 42.3 63.5#





#49

1,4-Dioxane

Concen: 0.499 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.06 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G2-(3)

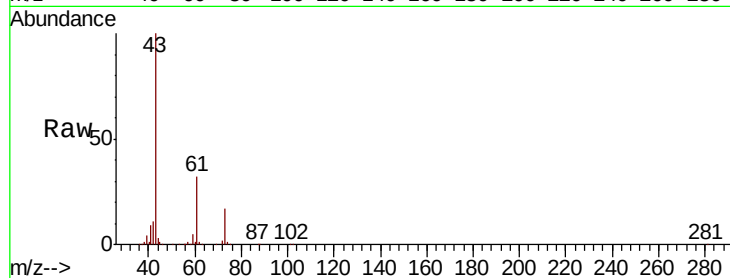
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 2809741.7 22.9 34.3#

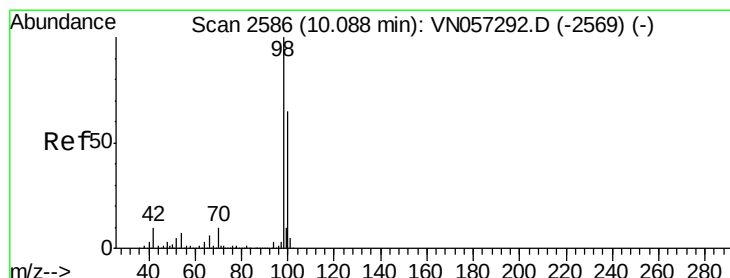
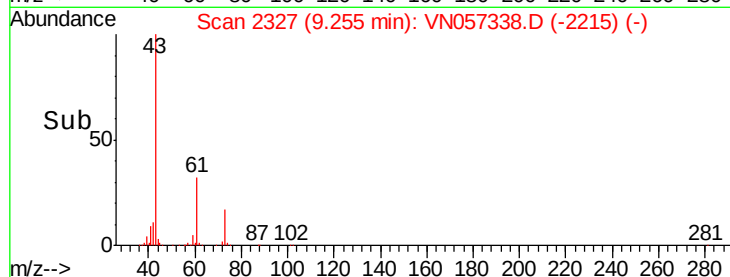
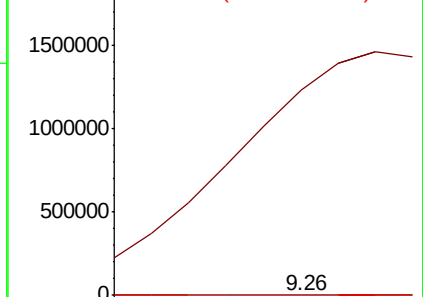
58 11738.5 52.7 79.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.088 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057338.D

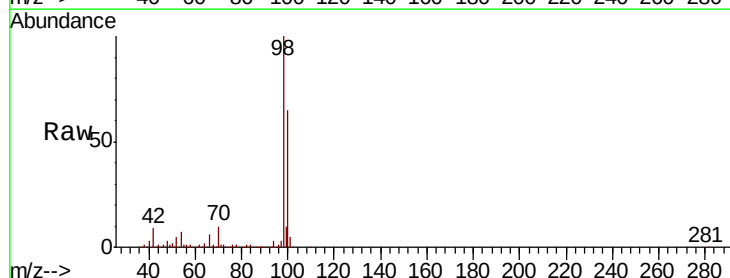
Acq: 15 Aug 2019 17:54

Tgt Ion: 98 Resp: 1809655

Ion Ratio Lower Upper

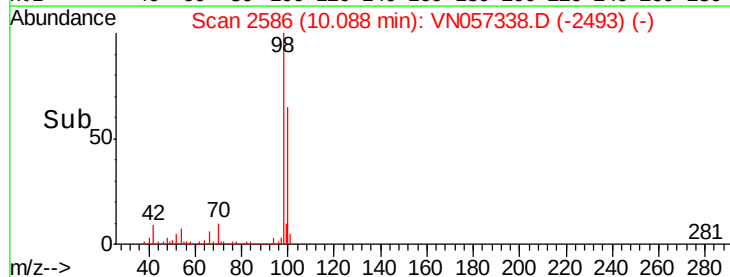
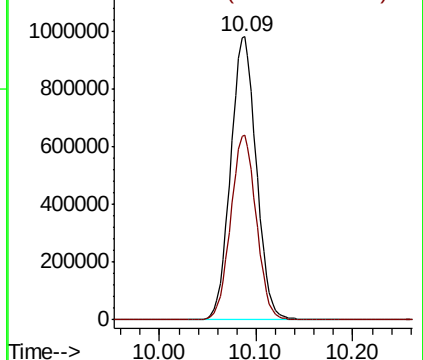
98 100

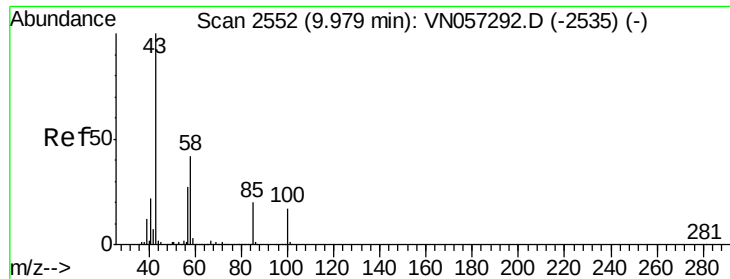
100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

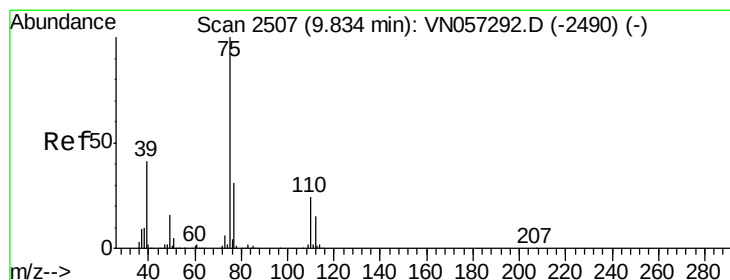
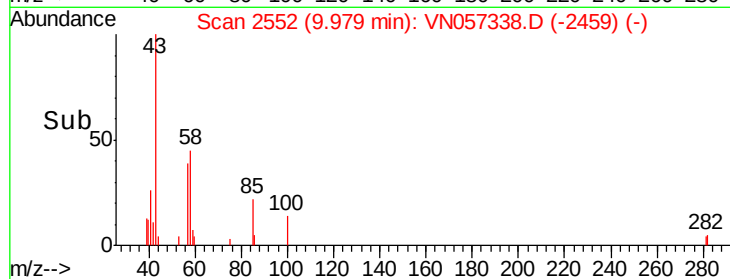
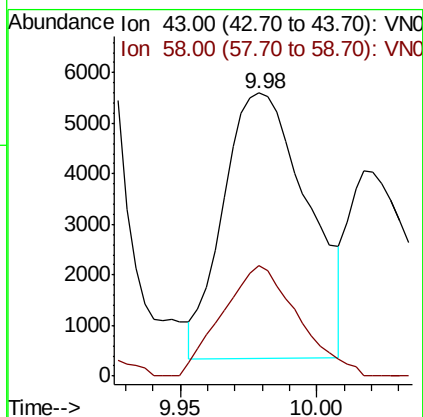
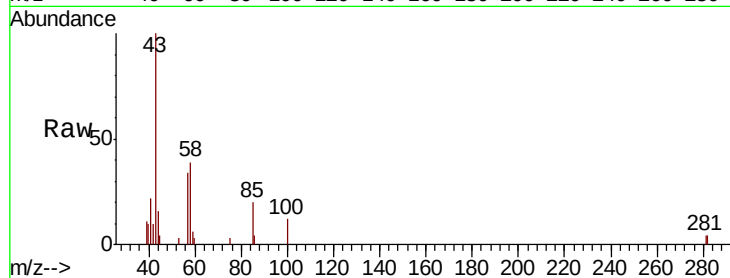




#51
 4-Methyl-2-Pentanone
 Concen: 0.979 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

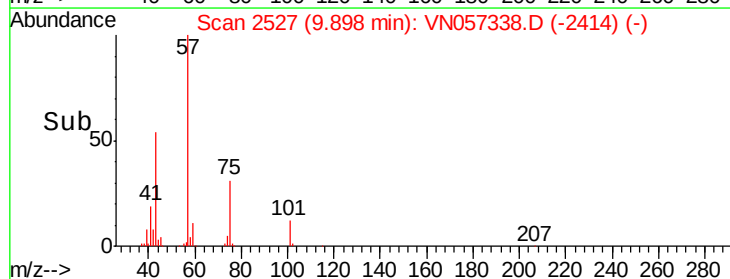
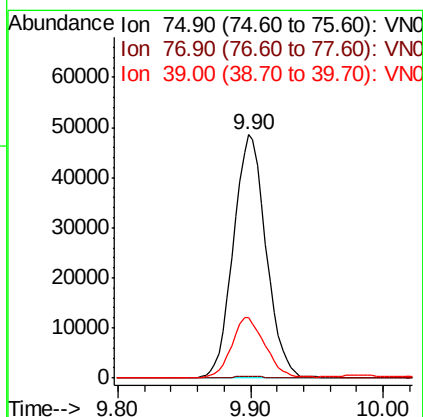
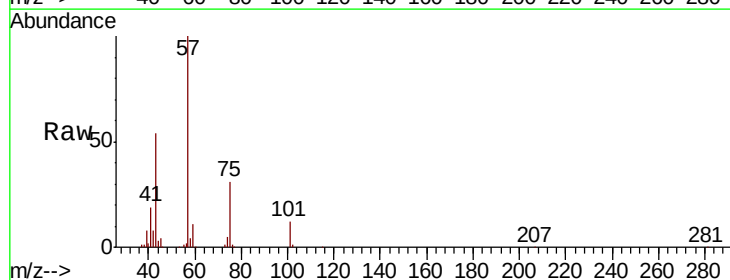
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

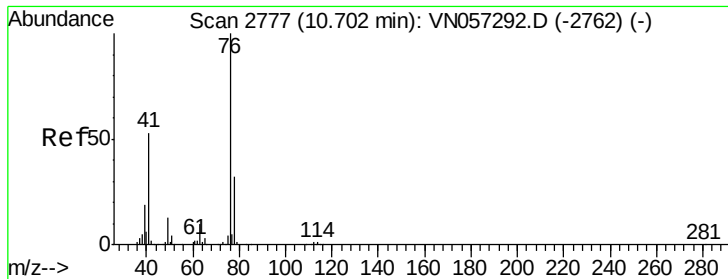
Tgt Ion: 43 Resp: 11236
 Ion Ratio Lower Upper
 43 100
 58 37.6 33.2 49.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.942 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 75 Resp: 83399
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 24.7 32.7 49.1#

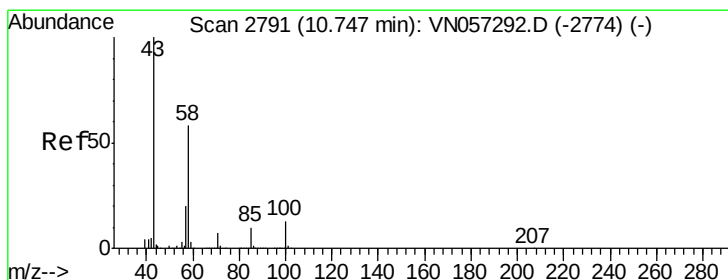
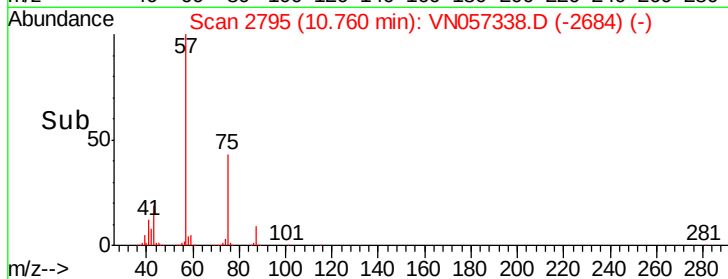
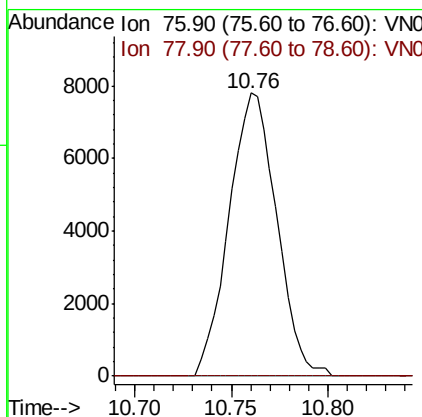
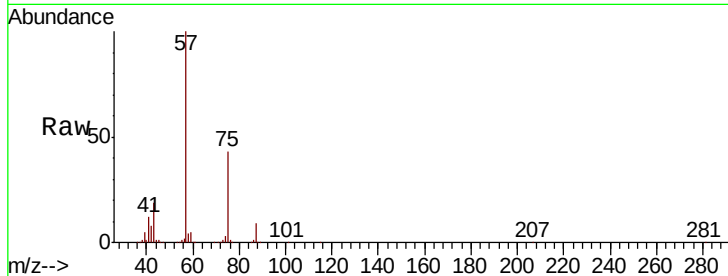




#57
 1,3-Dichloropropane
 Concen: 0.786 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

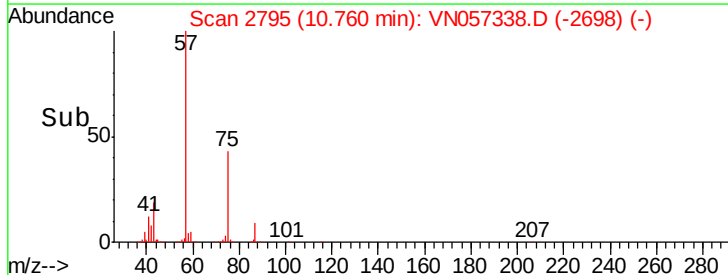
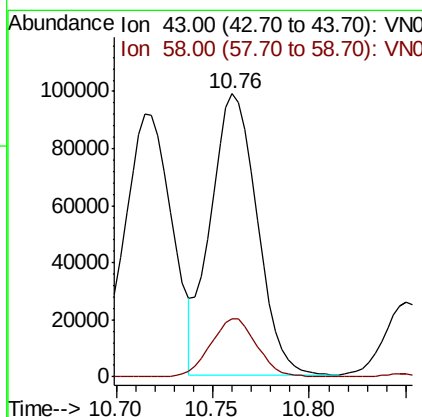
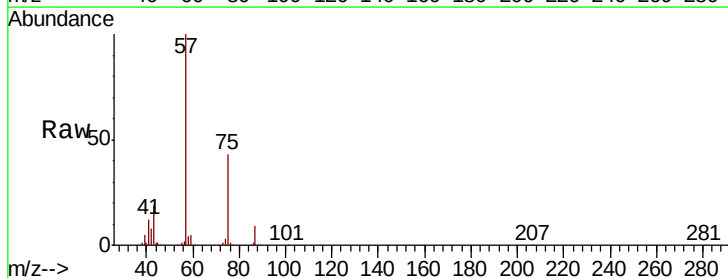
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

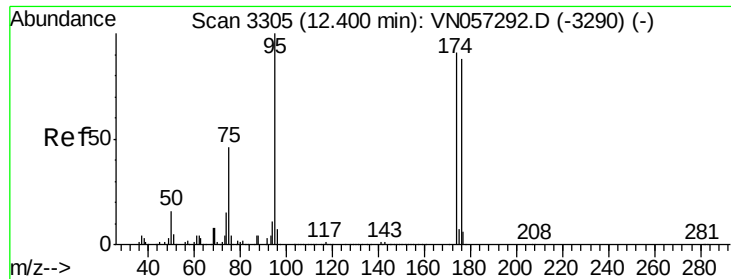
Tgt Ion: 76 Resp: 13353
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 20.133 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 43 Resp: 166038
 Ion Ratio Lower Upper
 43 100
 58 20.6 28.6 85.9#

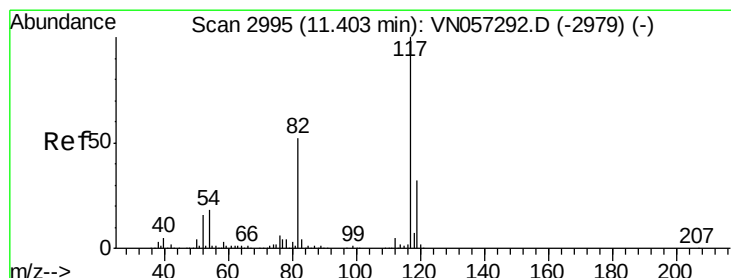
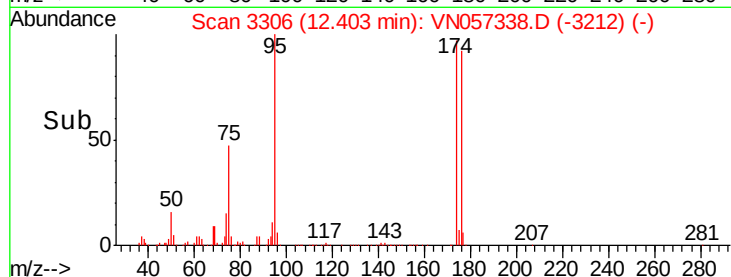
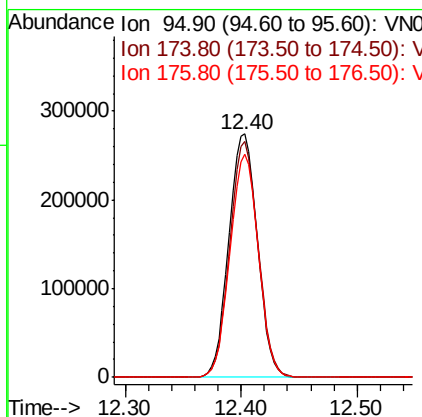
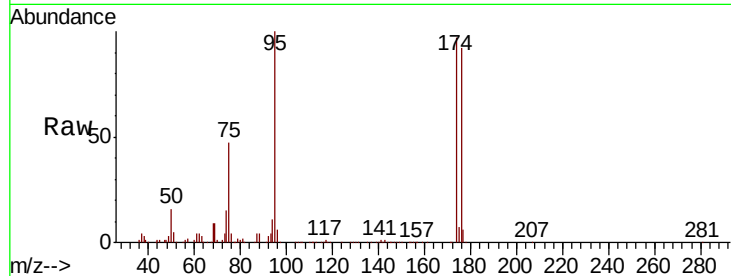




#62
4-Bromofluorobenzene
Concen: 35.728 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

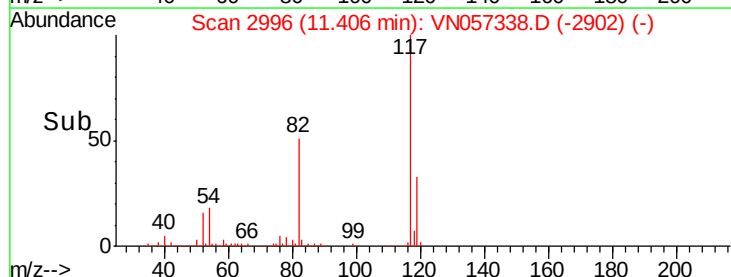
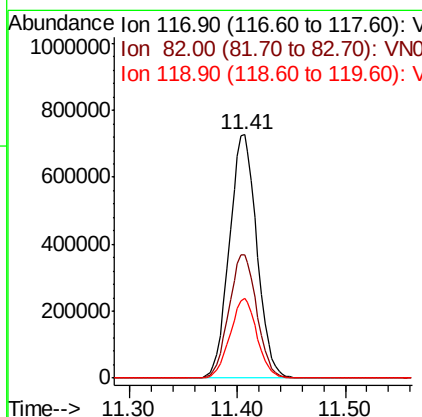
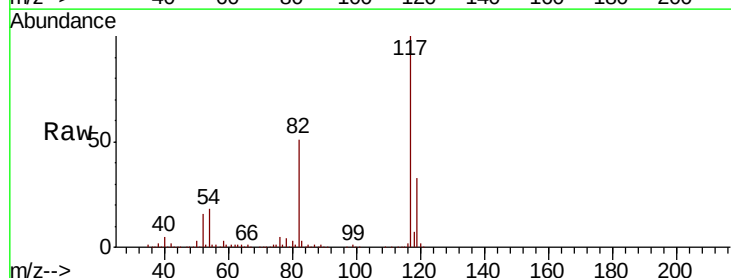
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G2-(3)

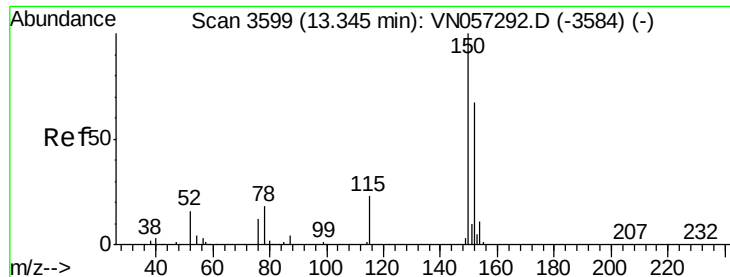
Tgt Ion: 95 Resp: 465458
Ion Ratio Lower Upper
95 100
174 95.5 0.0 185.0
176 90.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Tgt Ion: 117 Resp: 1292346
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 32.6 25.8 38.8

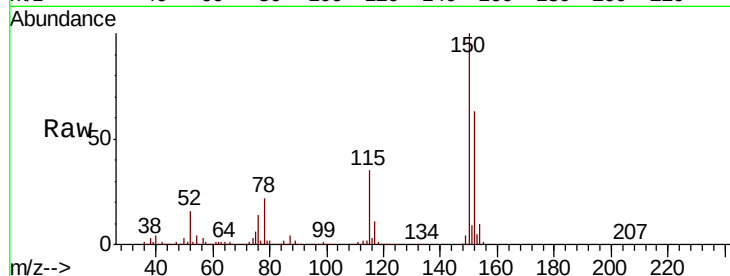




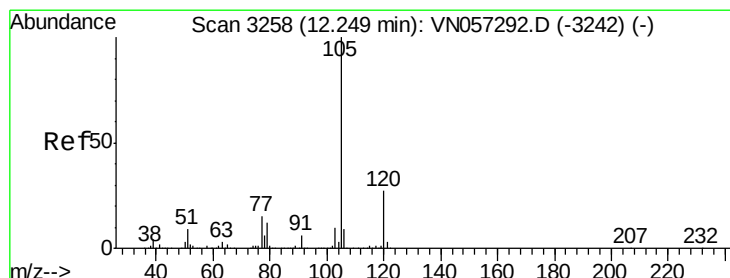
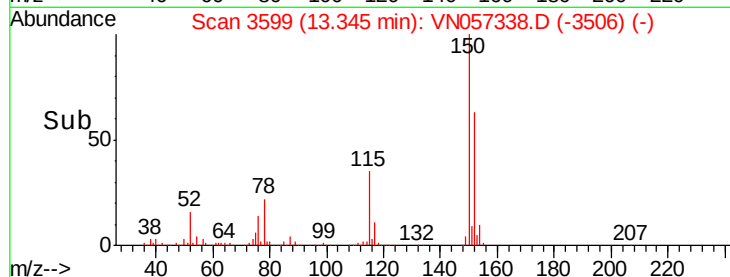
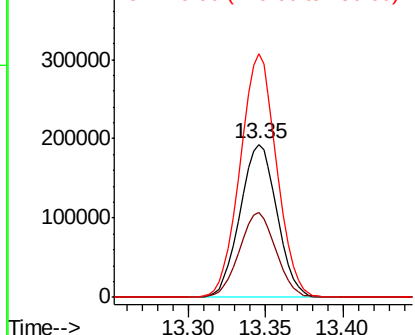
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

Tgt Ion:152 Resp: 320663
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.3 81.9
 150 157.0 0.0 344.4

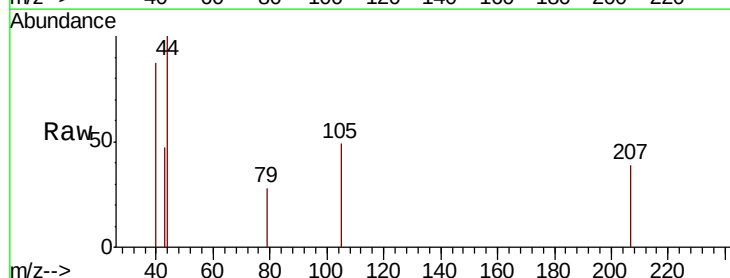


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

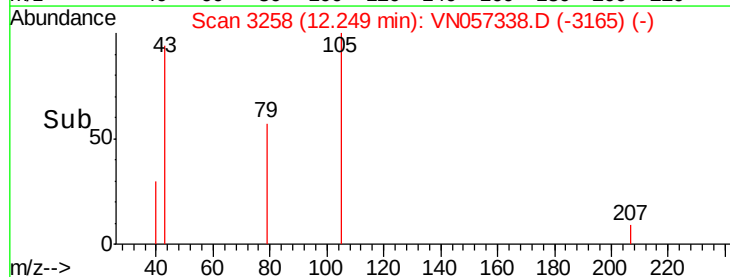
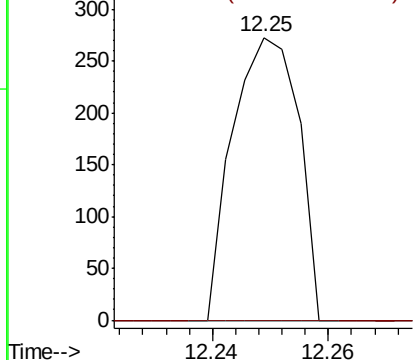


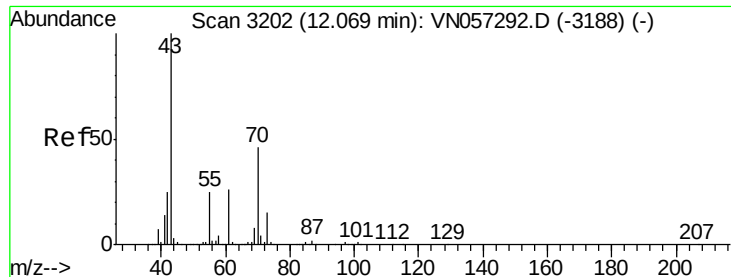
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion:105 Resp: 214
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.2 39.6#



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





#74

N-ethyl acetate

Concen: 0.572 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G2-(3)

Tgt Ion: 43 Resp: 5318

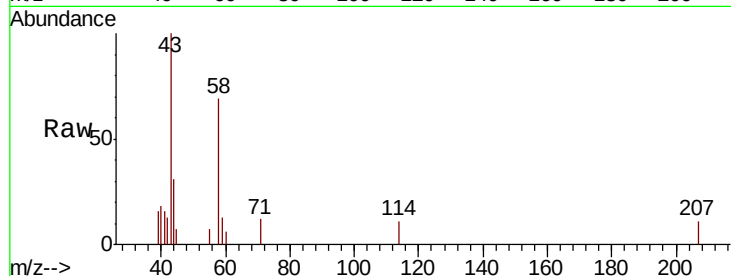
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 3.6 20.1 30.1#

61 0.0 20.9 31.3#

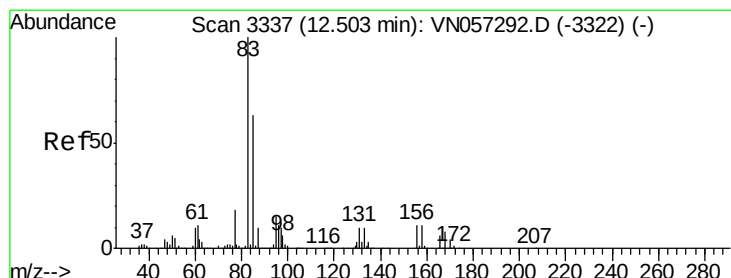
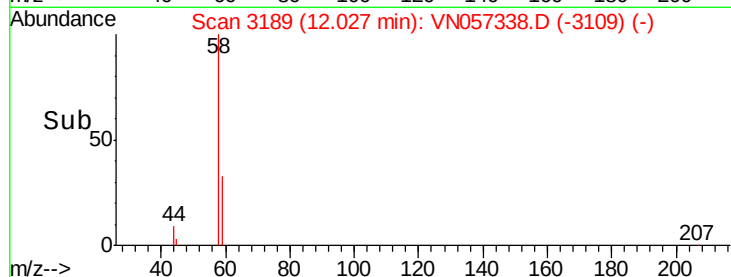
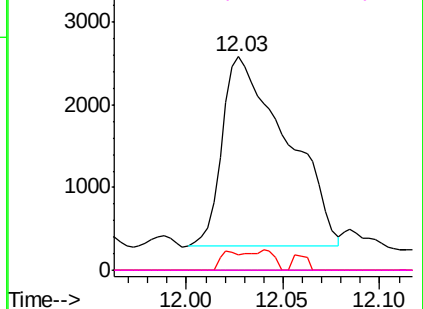


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

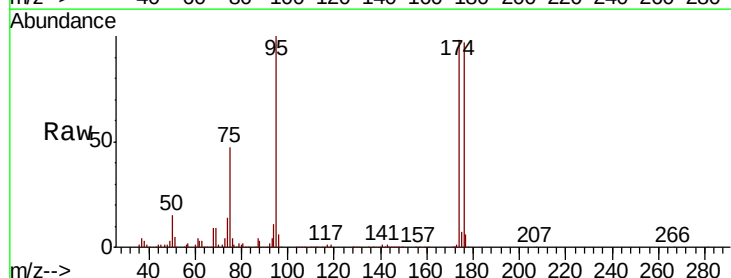
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 1440.6 5.4 16.2#

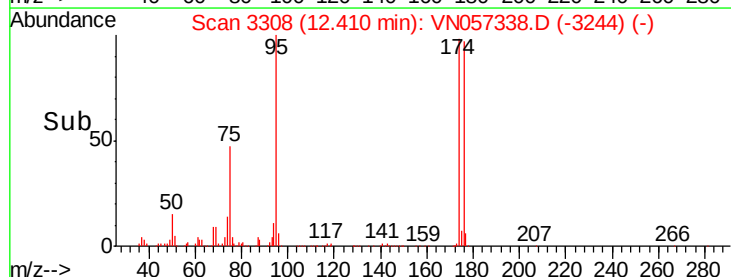
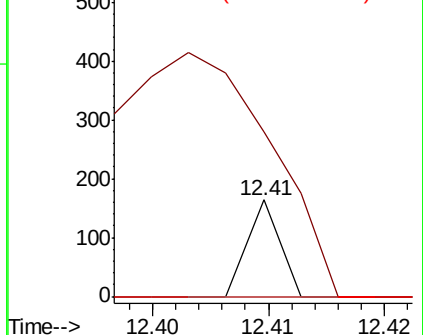
85 0.0 32.3 96.9#

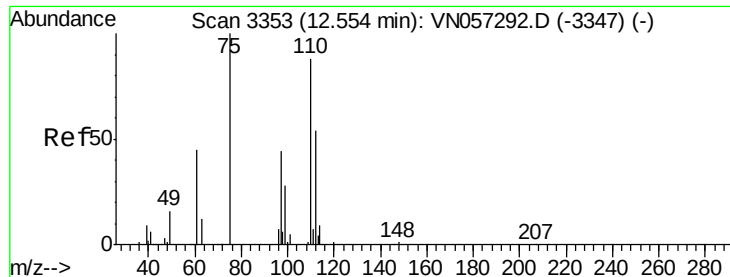


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.682 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

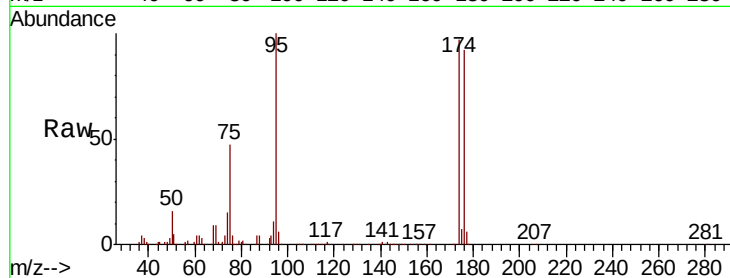
REACTOR-3-G2-(3)

Tgt Ion: 75 Resp: 216514

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN057338.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057338.D (-3260) (-)

12.40

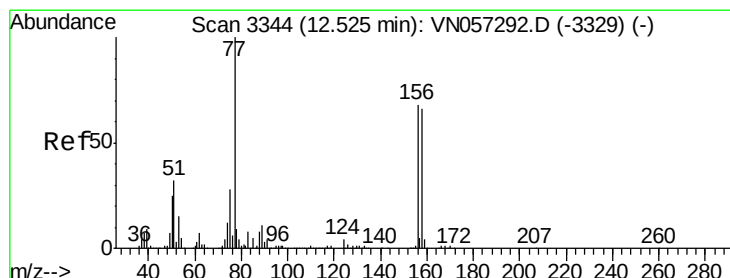
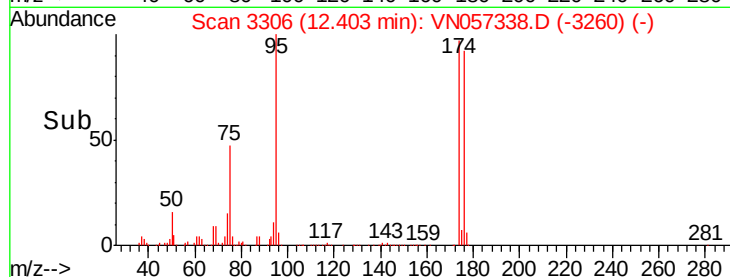
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.12 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

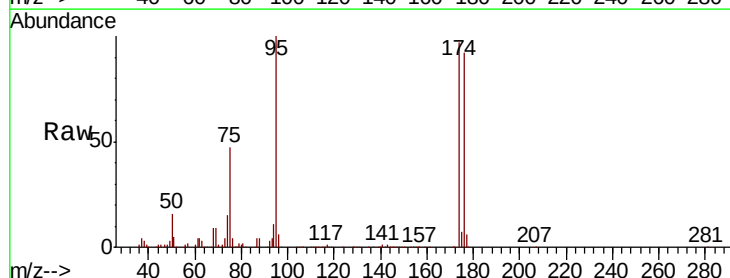
Tgt Ion: 156 Resp: 112

Ion Ratio Lower Upper

156 100

77 2302.7 89.8 269.6#

158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): VN057338.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN057338.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN057338.D (-3251) (-)

2000

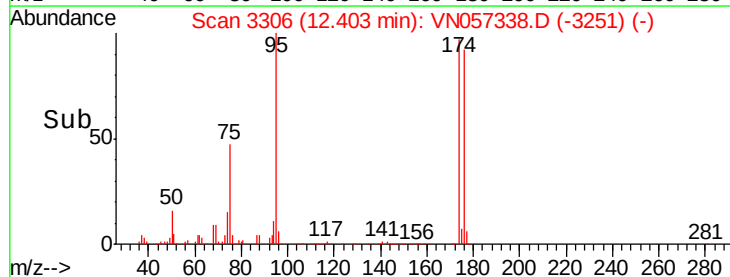
1500

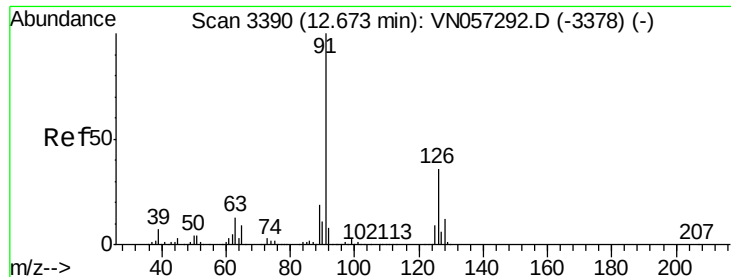
1000

500

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

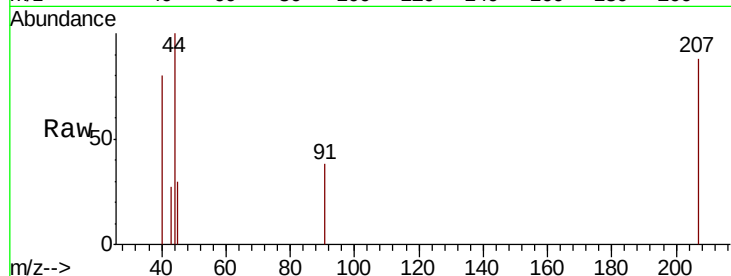
REACTOR-3-G2-(3)

Tgt Ion: 91 Resp: 194

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)

12.67

250

200

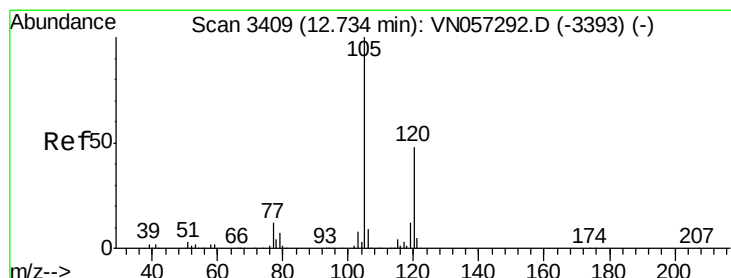
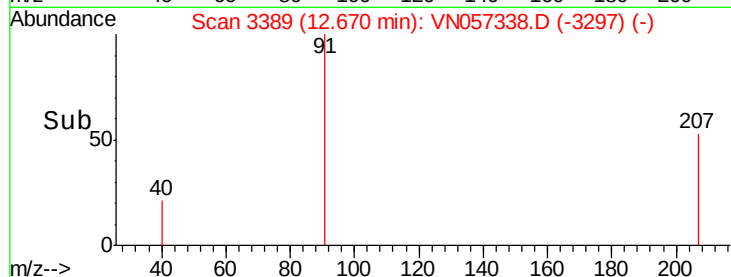
150

100

50

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3411

Delta R.T. 0.01 min

Lab File: VN057338.D

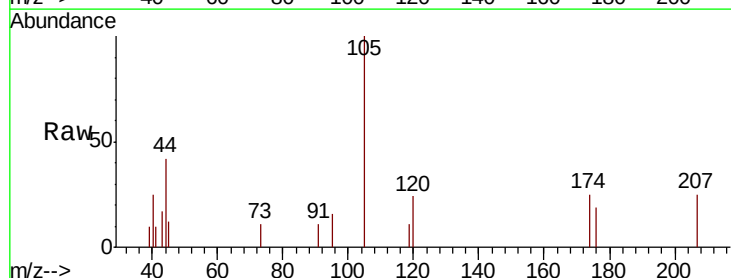
Acq: 15 Aug 2019 17:54

Tgt Ion: 105 Resp: 2284

Ion Ratio Lower Upper

105 100

120 34.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)

12.74

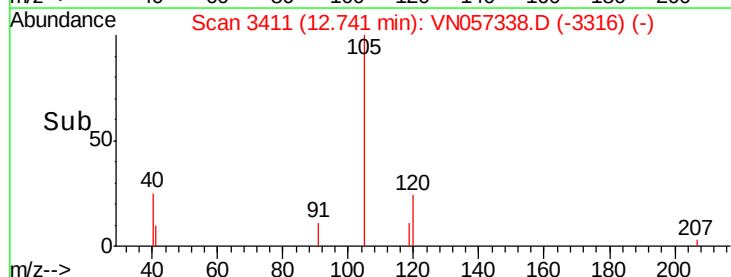
1500

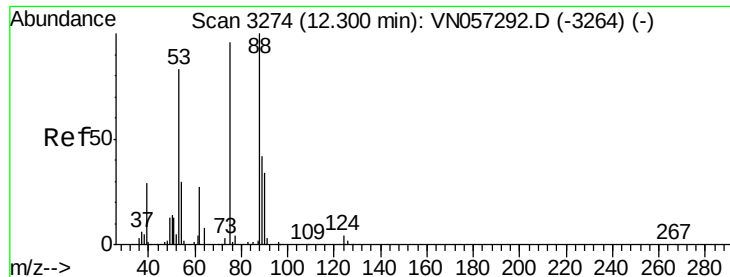
1000

500

0

Time-->

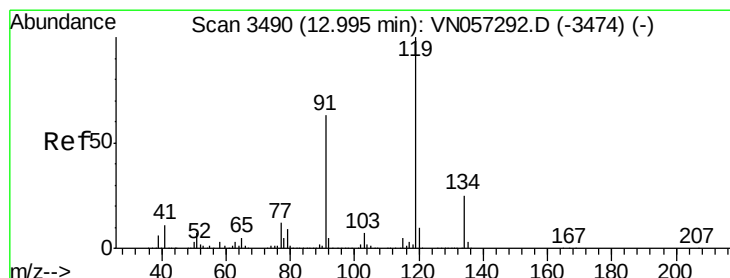
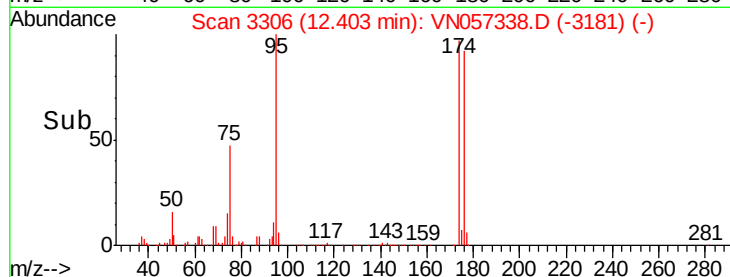
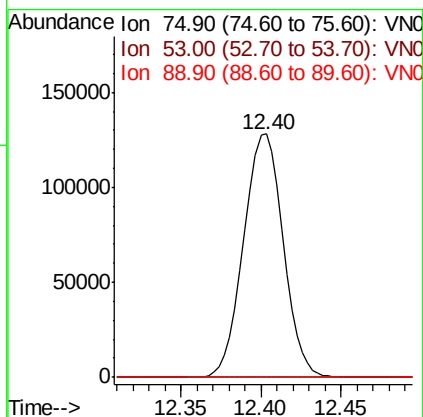
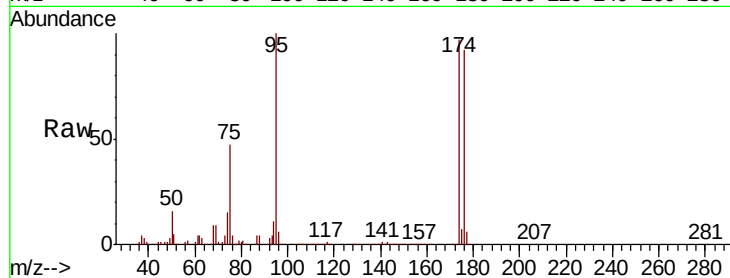




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.333 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

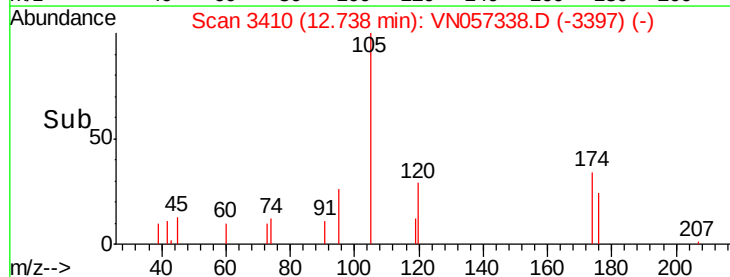
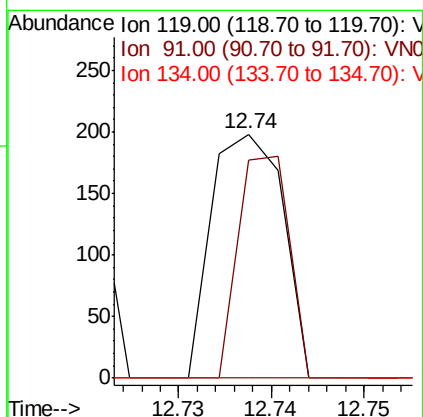
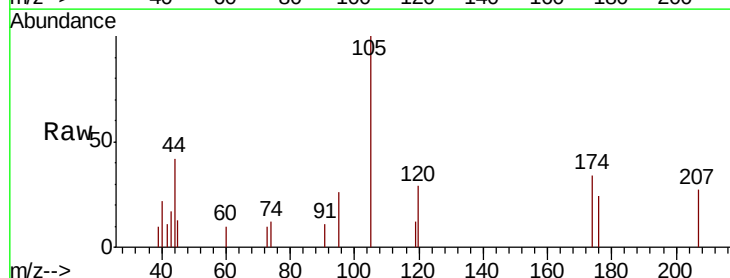
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

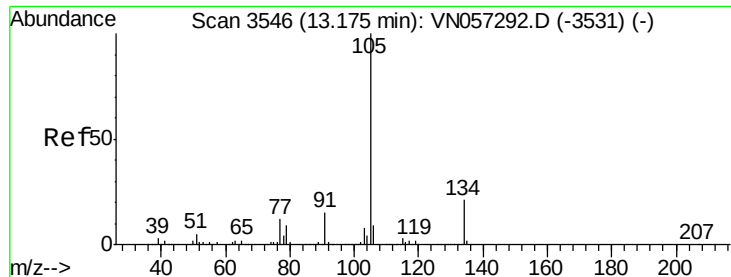
Tgt Ion: 75 Resp: 216514
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.26 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion: 119 Resp: 106
 Ion Ratio Lower Upper
 119 100
 91 65.1 31.3 93.8
 134 0.0 13.1 39.1#





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

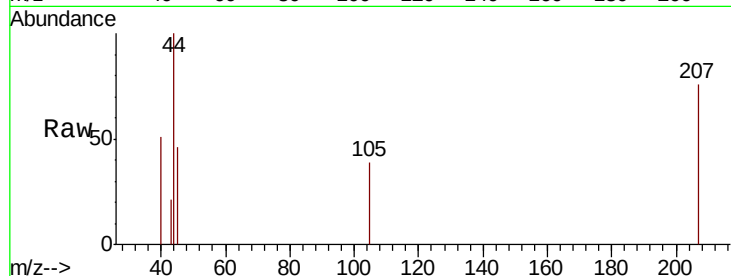
REACTOR-3-G2-(3)

Tgt Ion:105 Resp: 266

Ion Ratio Lower Upper

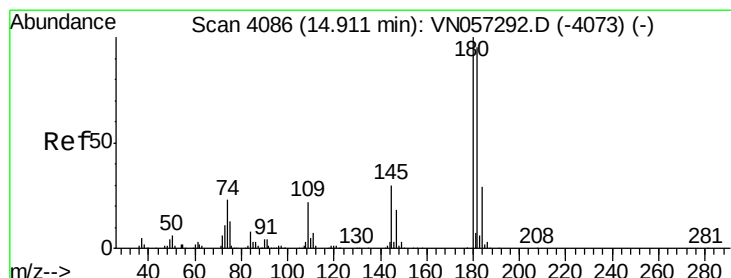
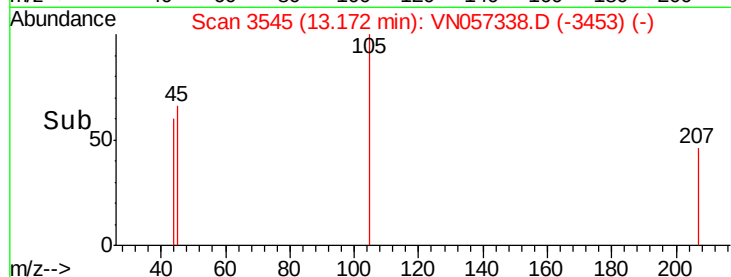
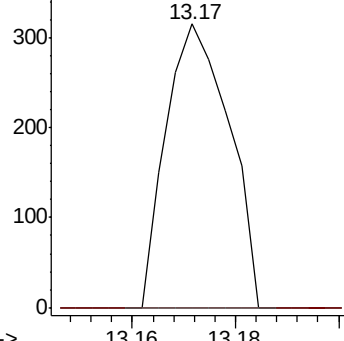
105 100

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



#93

1,2,4-Trichlorobenzene

Concen: 5.369 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

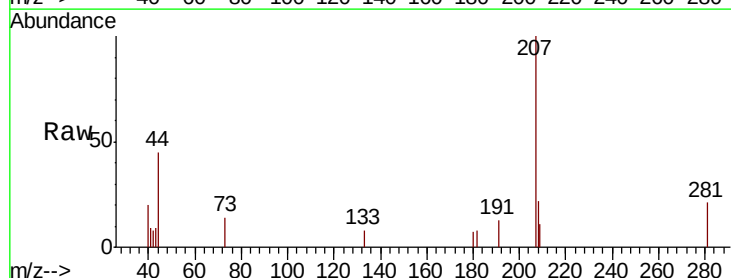
Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 111.5 48.0 144.2

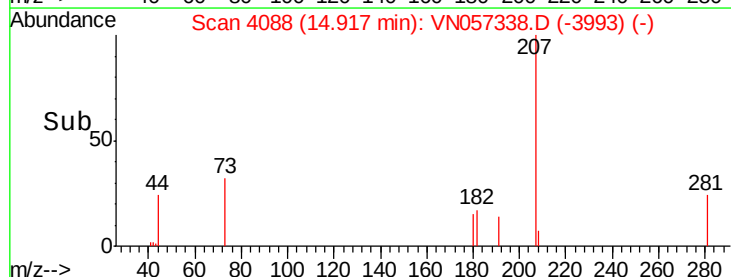
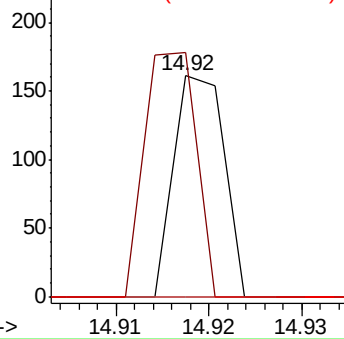
145 0.0 14.5 43.6#

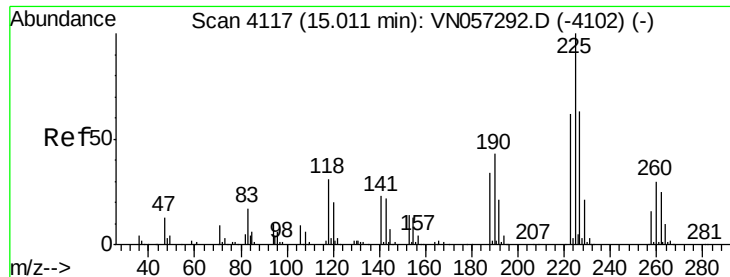


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

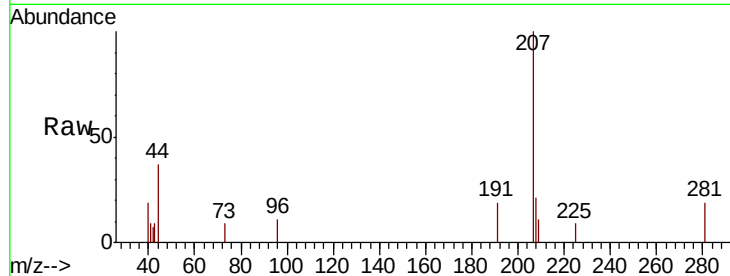
Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G2-(3)

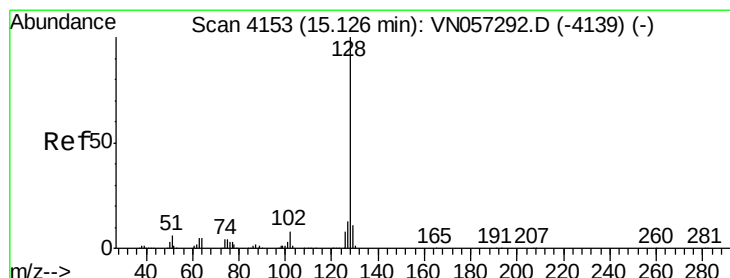
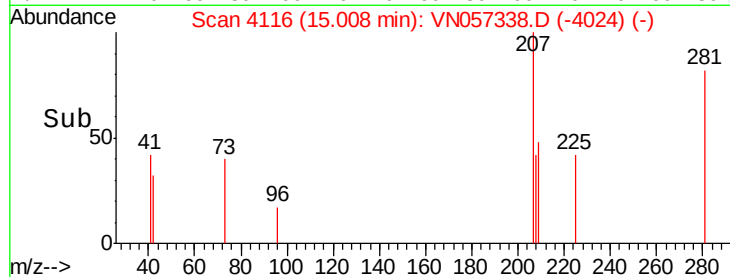
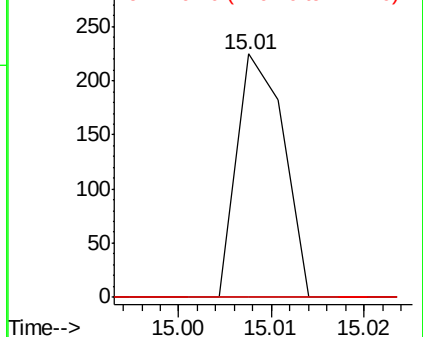
Tgt Ion:	225	Resp:	79
Ion Ratio	Lower	Upper	
225	100		
223	0.0	30.7	92.1#
227	0.0	30.9	92.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

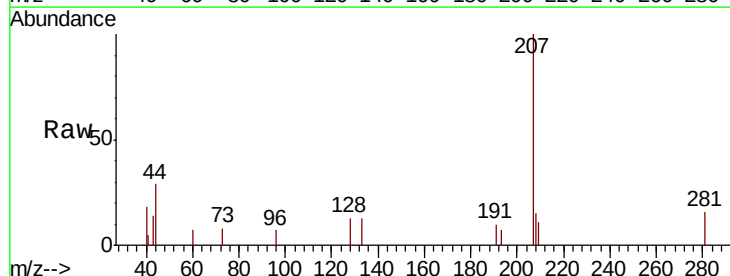
RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Tgt Ion:	128	Resp:	284
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



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

