

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
 Data File : VN057333.D
 Acq On : 15 Aug 2019 15:52
 Operator : JC/SP
 Sample : K4264-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G1-(2)

Quant Time: Aug 16 02:01:32 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	1152406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1605005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1361857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	538754	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
35) Dibromofluoromethane	7.58	113	481468	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	10.08	98	1898402	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.40	95	503064	36.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.98%	

Target Compounds

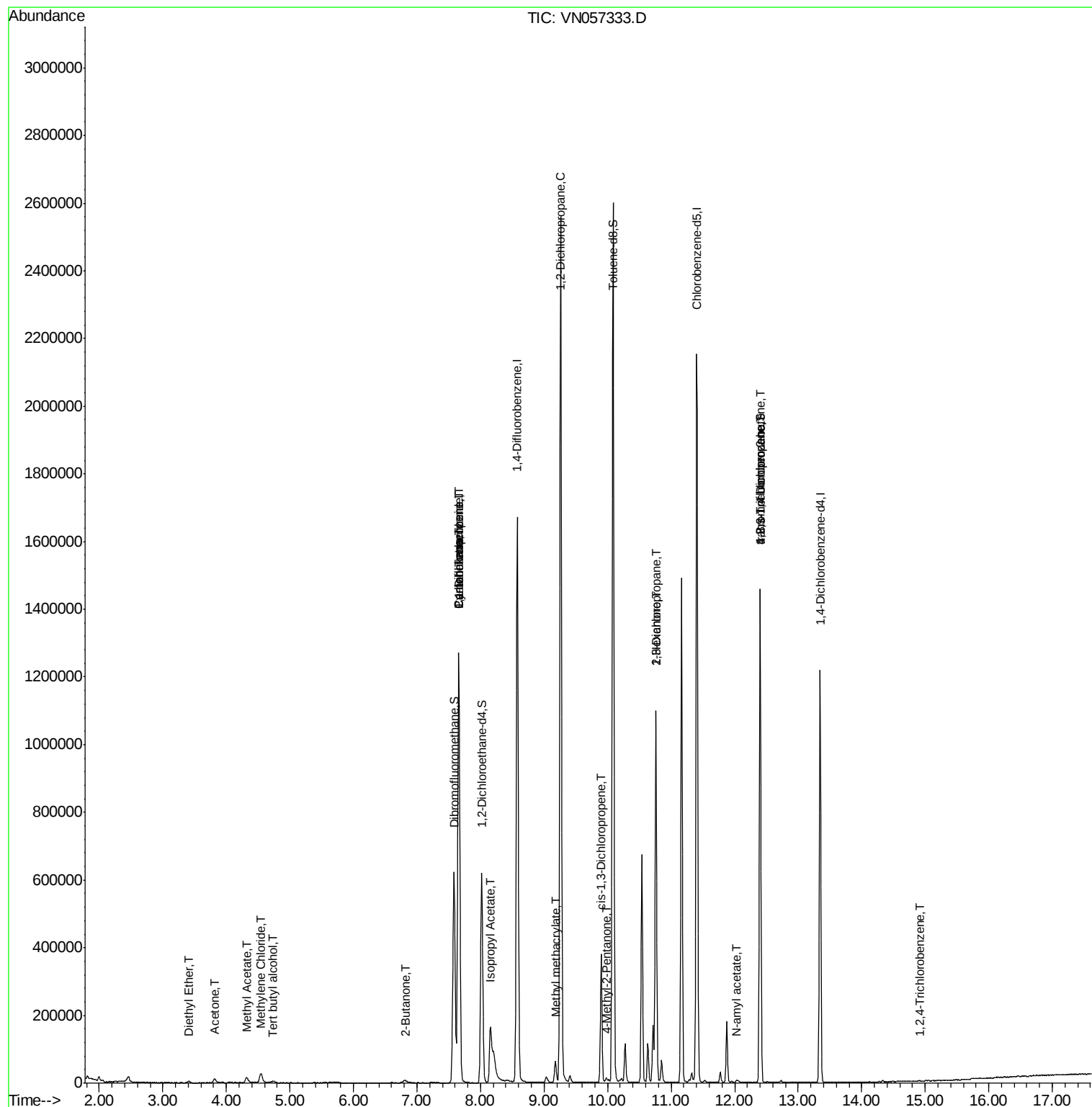
						Qvalue
8) Diethyl Ether	3.40	74	3009	0.463	ug/l	84
11) Tert butyl alcohol	4.73	59	663	0.372	ug/l #	73
16) Acetone	3.81	43	18212	4.191	ug/l	91
18) Methyl Acetate	4.32	43	32483	0.397	ug/l	96
20) Methylene Chloride	4.55	84	21589	1.775	ug/l	90
25) 2-Butanone	6.83	43	1966	0.312	ug/l	91
31) Cyclohexane	7.66	56	16792	0.984	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	69611	4.912	ug/l #	48
38) Carbon Tetrachloride	7.66	117	97345	6.611	ug/l #	16
43) Isopropyl Acetate	8.15	43	207348	8.840	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3275	0.293	ug/l #	44
48) Methyl methacrylate	9.18	41	8209	0.859	ug/l #	11
51) 4-Methyl-2-Pentanone	9.99	43	9842	0.822	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	73247	4.158	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	12448	0.702	ug/l #	43
59) 2-Hexanone	10.76	43	152167	17.676	ug/l #	52
73) Isopropylbenzene	12.26	105	354	Below Cal	#	49
74) N-amyl acetate	12.03	43	4065	0.395	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.40	83	153	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	232815	32.666	ug/l #	100
77) Bromobenzene	12.53	156	61	Below Cal	#	1
79) 2-Chlorotoluene	12.73	91	65	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	2311	Below Cal		94
81) trans-1,4-Dichloro-2-buten	12.40	75	232815	79.984	ug/l #	15
83) tert-Butylbenzene	12.99	119	100	Below Cal	#	28
85) sec-Butylbenzene	13.17	105	487	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	372	5.428	ug/l #	56
94) Hexachlorobutadiene	15.01	225	203	Below Cal	#	41
95) Naphthalene	15.13	128	618	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	554	Below Cal	#	59

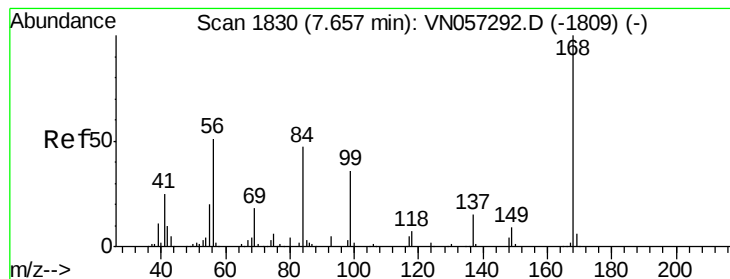
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

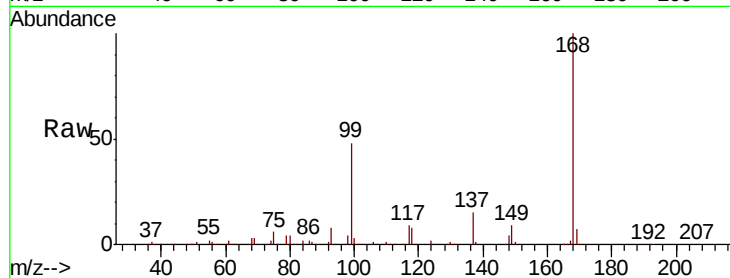
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G1-(2)

Tgt Ion:168 Resp: 1152406

Ion Ratio Lower Upper

168 100

99 47.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

500000

400000

300000

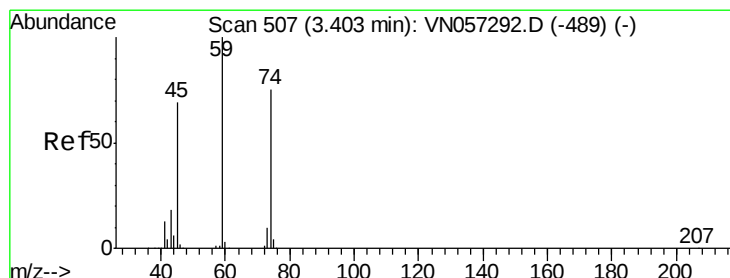
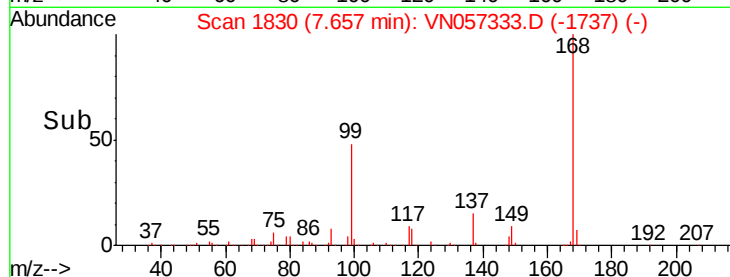
200000

100000

0

Time-->

7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.463 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN057333.D

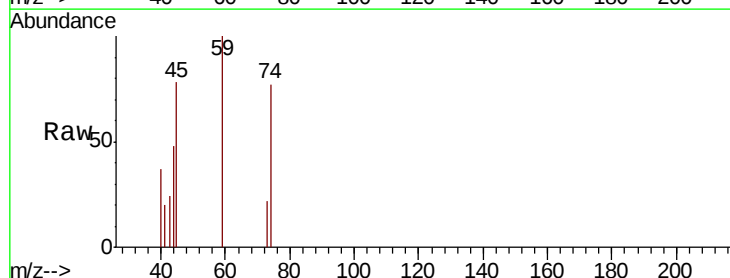
Acq: 15 Aug 2019 15:52

Tgt Ion: 74 Resp: 3009

Ion Ratio Lower Upper

74 100

45 107.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

1500

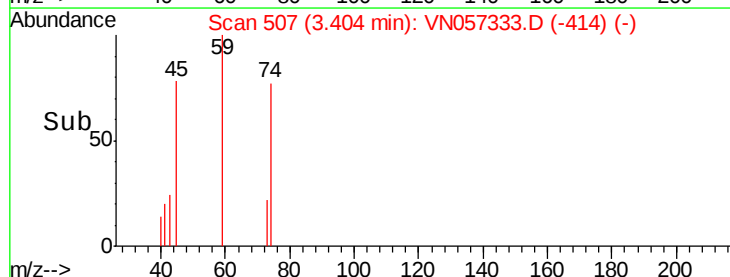
1000

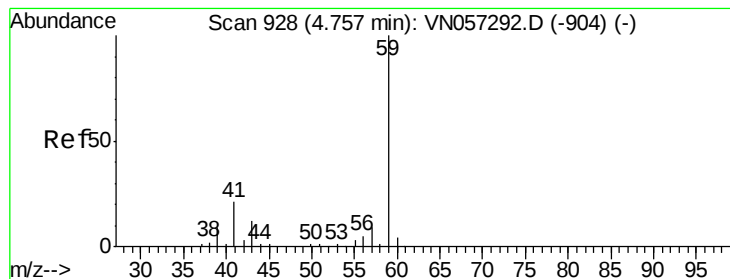
500

0

Time-->

3.35 3.40 3.45



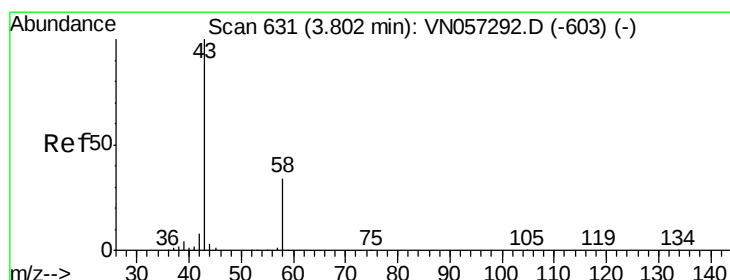
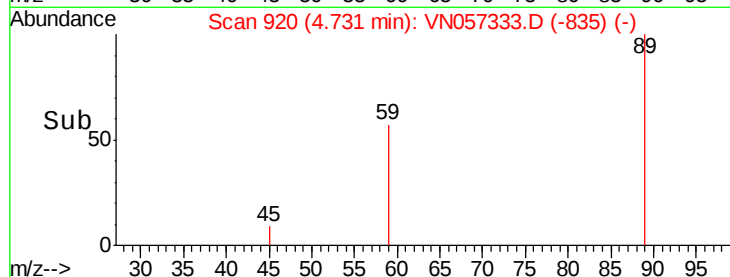
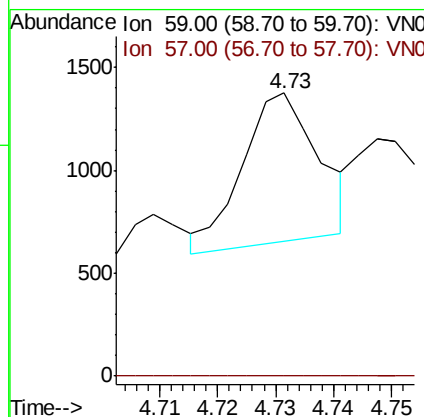
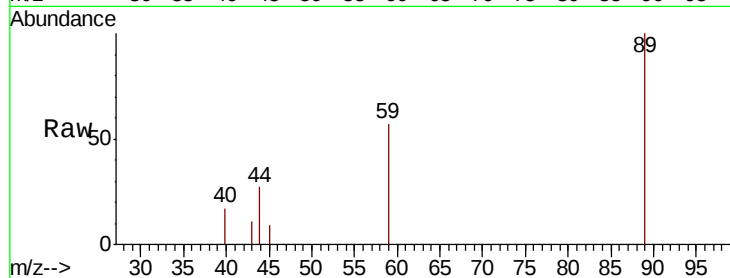


#11

Tert butyl alcohol
 Concen: 0.372 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G1-(2)

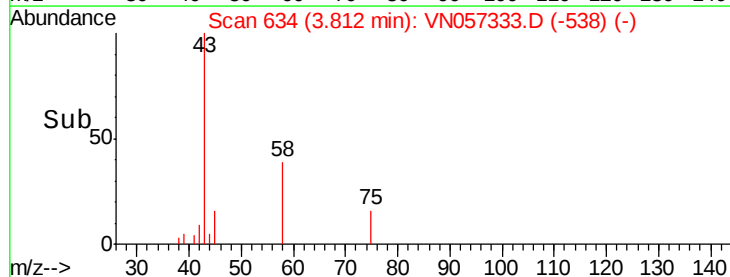
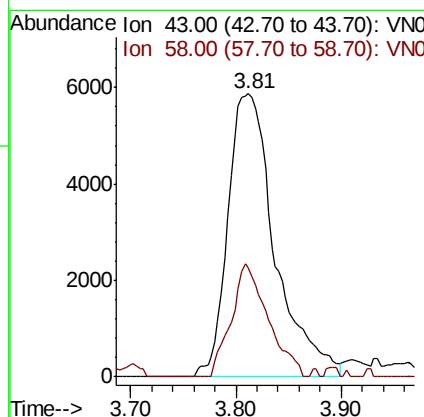
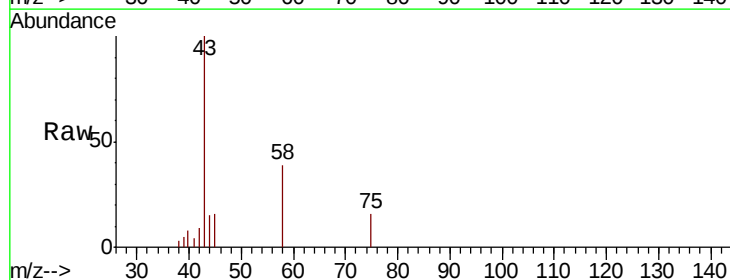
Tgt Ion: 59 Resp: 663
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

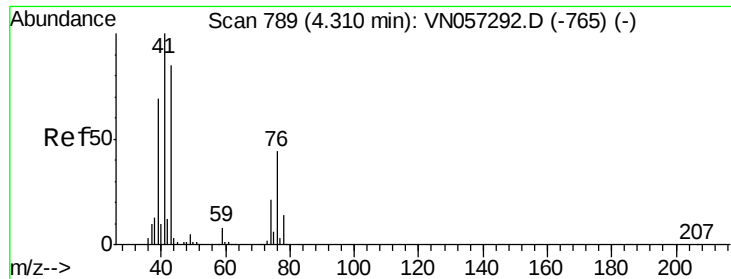


#16

Acetone
 Concen: 4.191 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Tgt Ion: 43 Resp: 18212
 Ion Ratio Lower Upper
 43 100
 58 38.7 27.0 40.6

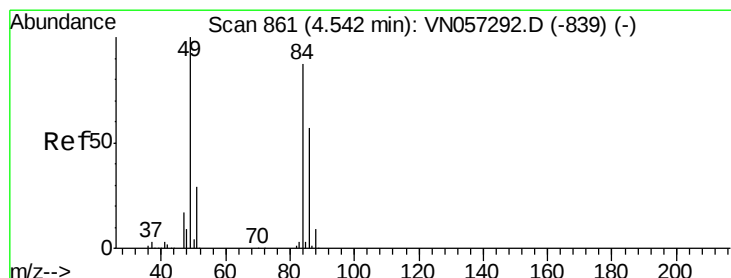
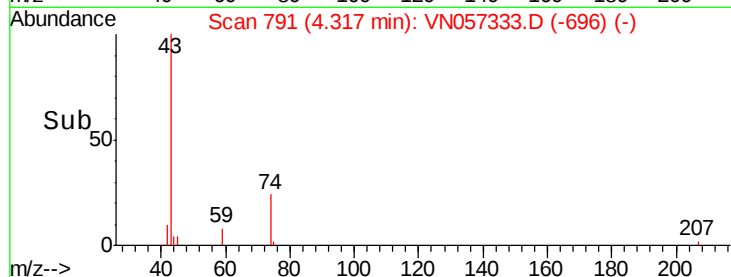
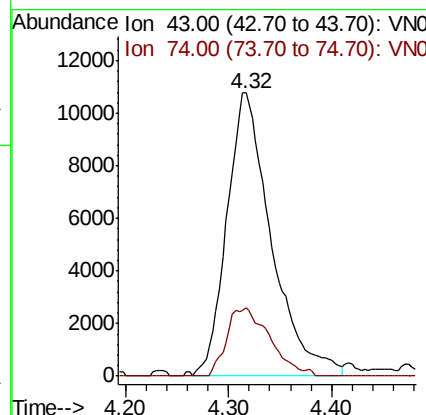
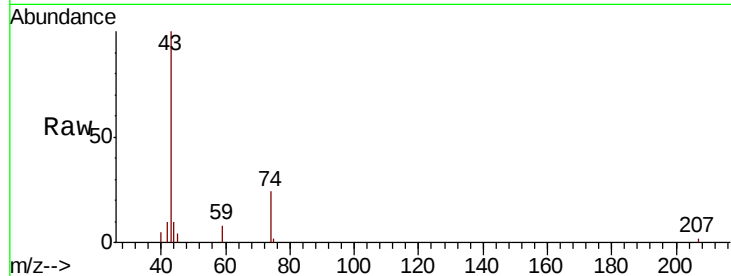




#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

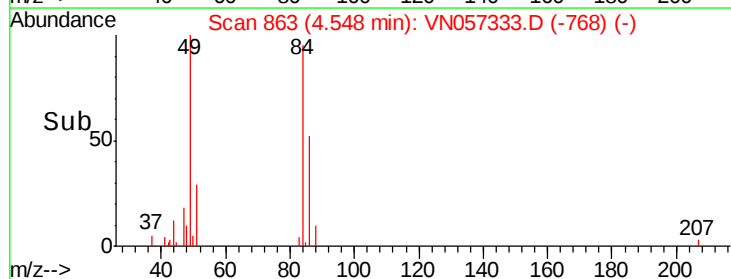
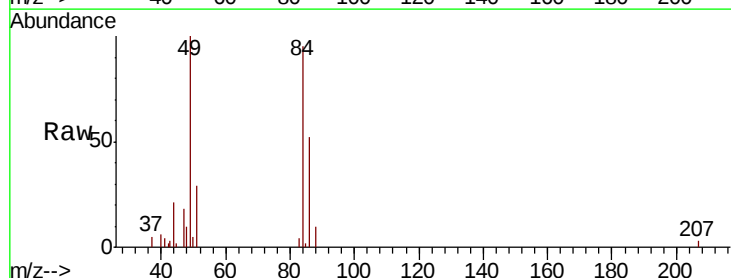
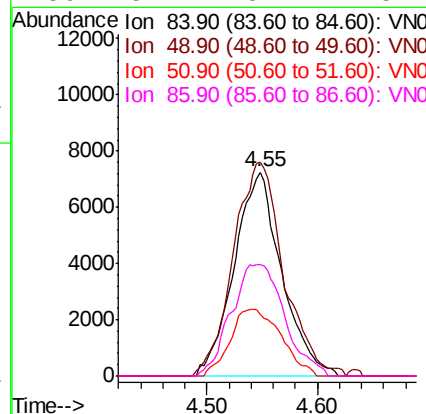
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G1-(2)

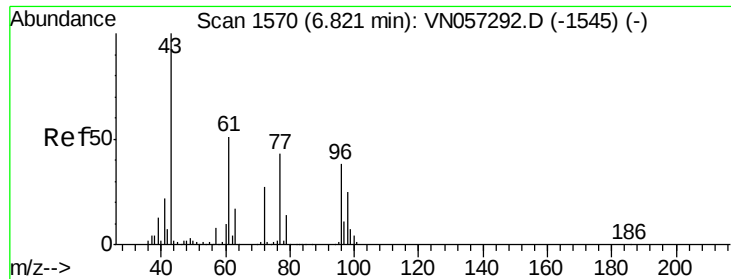
Tgt Ion: 43 Resp: 32483
Ion Ratio Lower Upper
43 100
74 23.3 20.2 30.2



#20
Methylene Chloride
Concen: 1.775 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Tgt Ion: 84 Resp: 21589
Ion Ratio Lower Upper
84 100
49 104.8 92.0 138.0
51 30.2 27.1 40.7
86 54.7 52.2 78.2

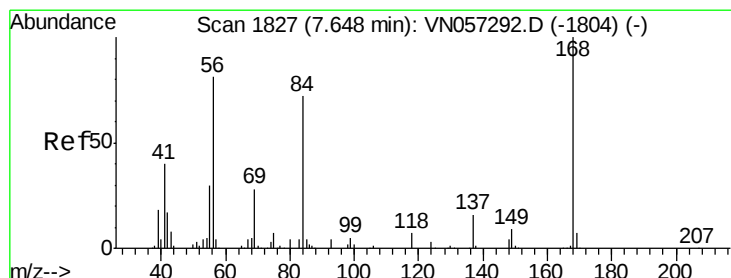
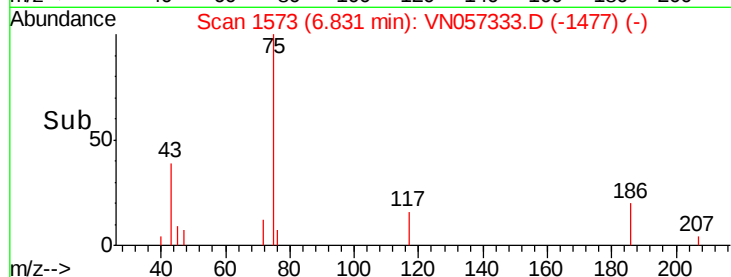
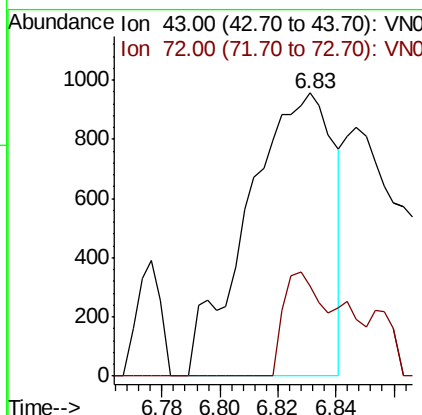
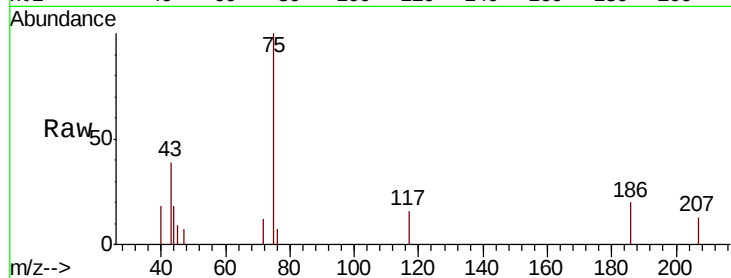




#25
2-Butanone
Concen: 0.312 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

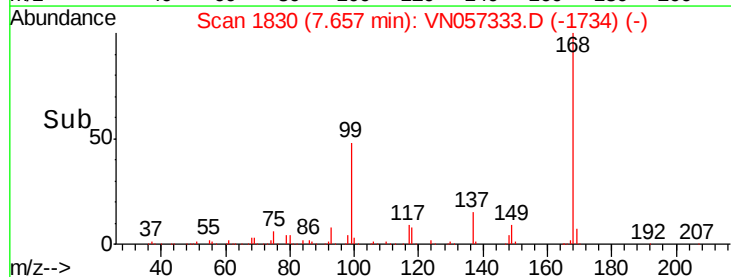
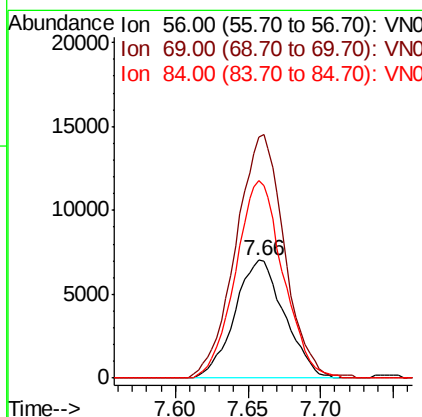
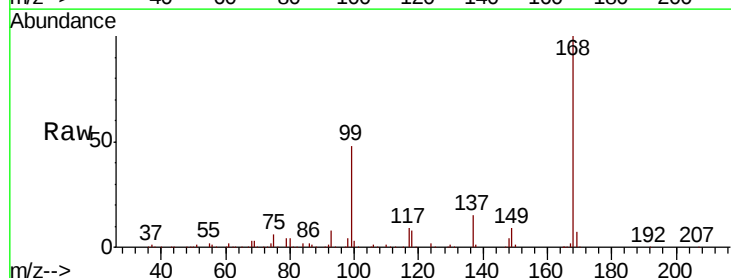
Instrument :
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REACTOR-3-G1-(2)

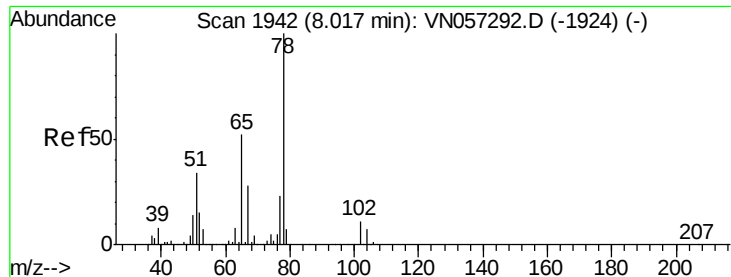
Tgt Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
72 31.7 21.5 32.3



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Tgt Ion: 56 Resp: 16792
Ion Ratio Lower Upper
56 100
69 205.1 27.3 40.9#
84 167.8 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 43.004 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

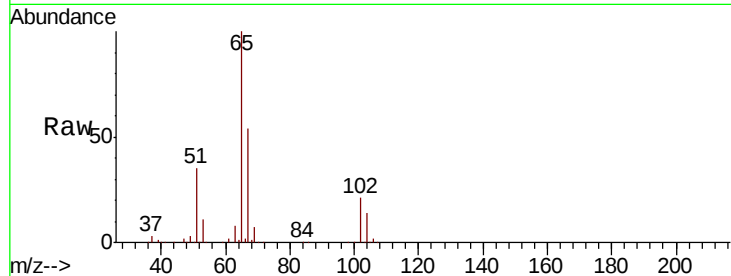
REACTOR-3-G1-(2)

Tgt Ion: 65 Resp: 538754

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN057292.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN057292.D (-1924) (-)

8.02

250000

200000

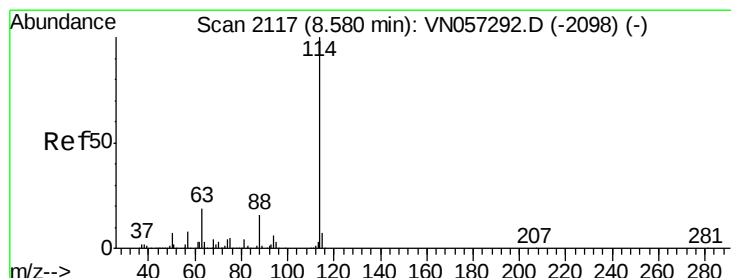
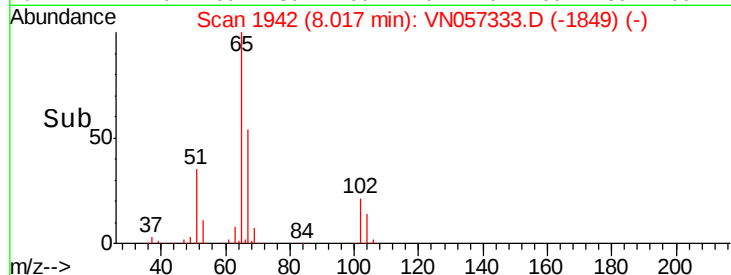
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

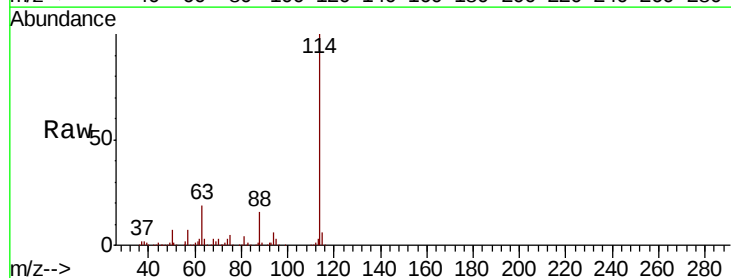
Tgt Ion: 114 Resp: 1605005

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.8

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057292.D (-2098) (-)

Ion 63.00 (62.70 to 63.70): VN057292.D (-2098) (-)

Ion 87.90 (87.60 to 88.60): VN057292.D (-2098) (-)

8.58

1000000

800000

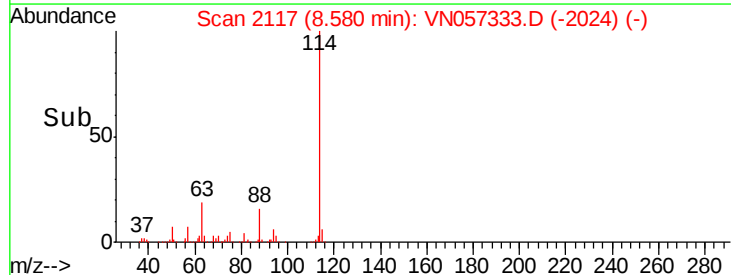
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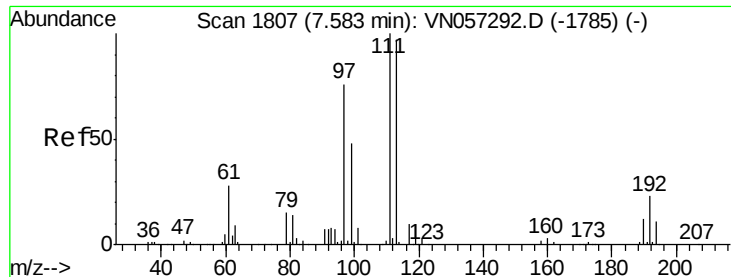
400000

200000

0

Time--> 8.50 8.60 8.70

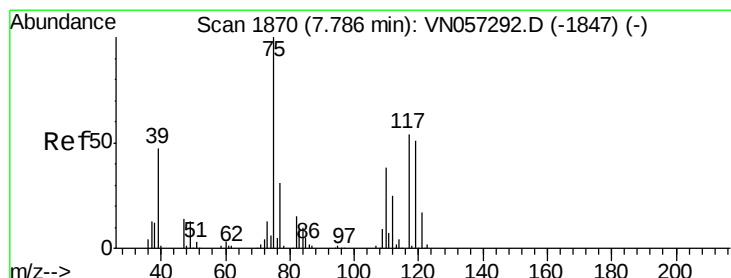
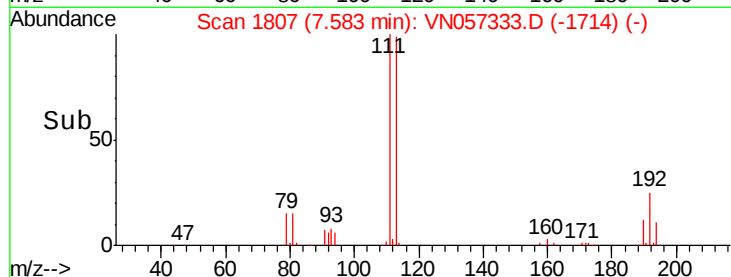
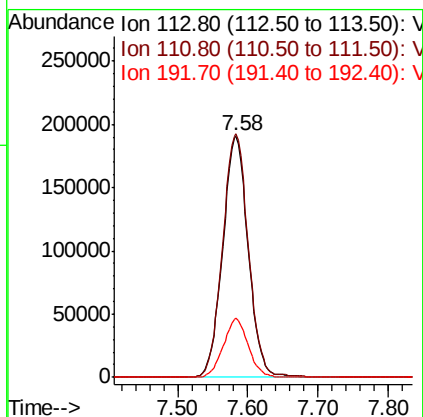
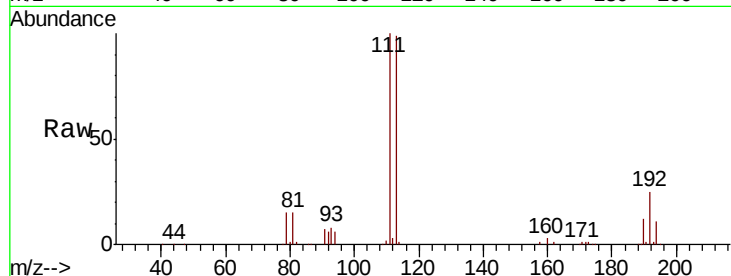




#35
 Dibromofluoromethane
 Concen: 45.762 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

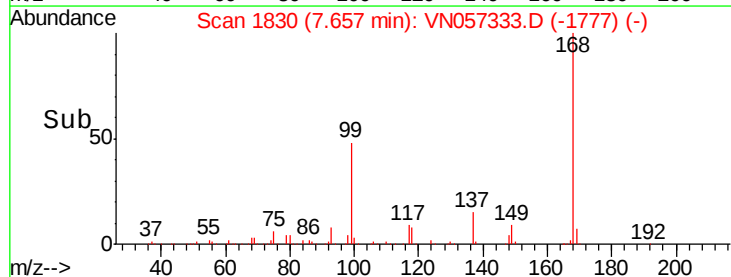
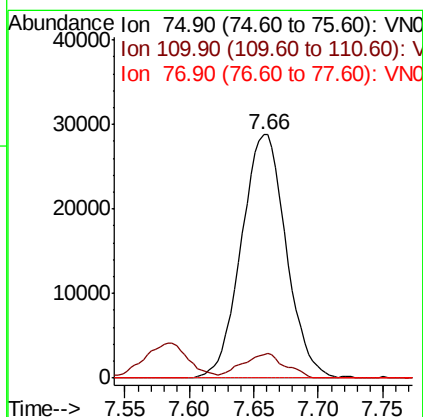
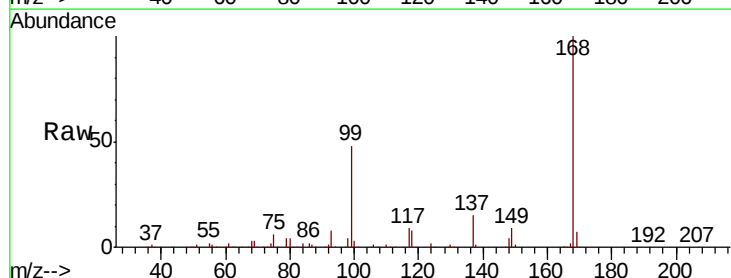
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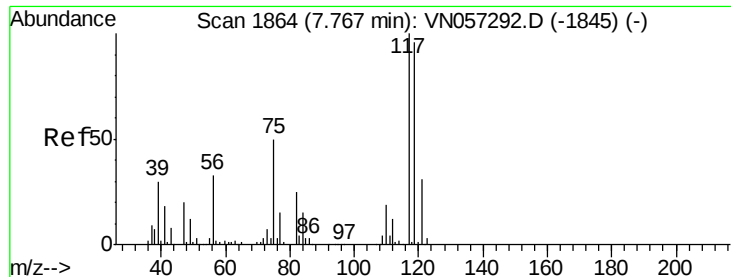
Tgt Ion:113 Resp: 481468
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.1 123.1
 192 23.8 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Tgt Ion: 75 Resp: 69611
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.5 58.5#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.611 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G1-(2)

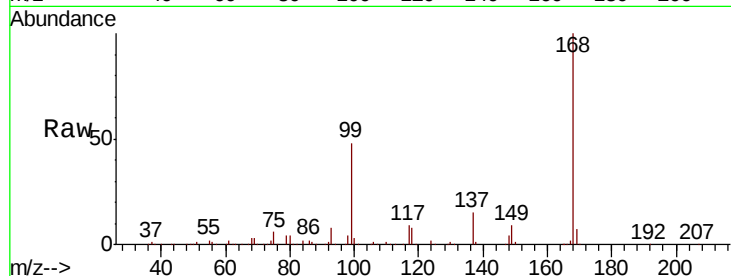
Tgt Ion:117 Resp: 97345

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

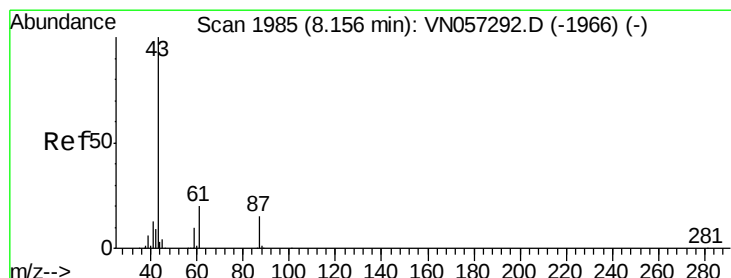
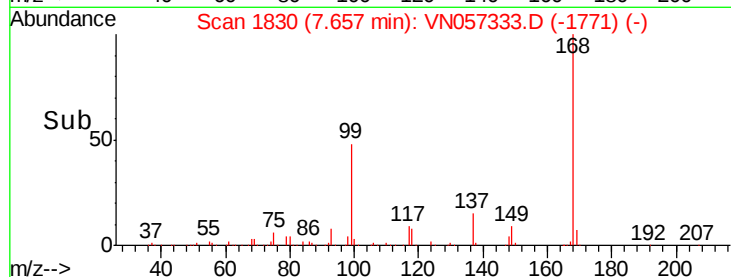
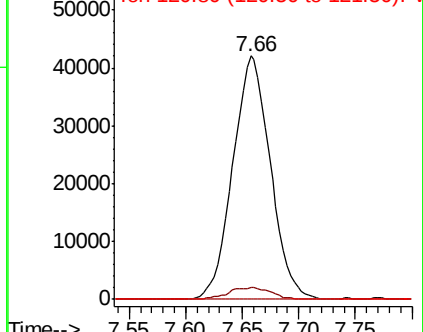
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.840 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

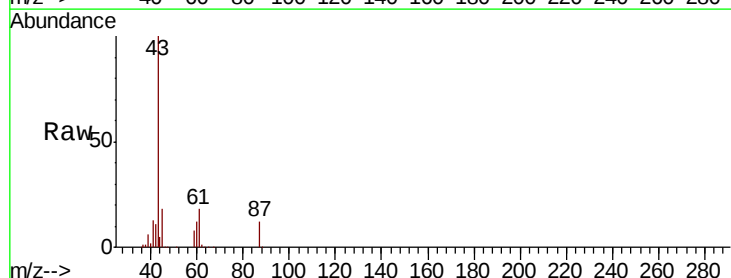
Tgt Ion: 43 Resp: 207348

Ion Ratio Lower Upper

43 100

61 15.5 21.6 32.4#

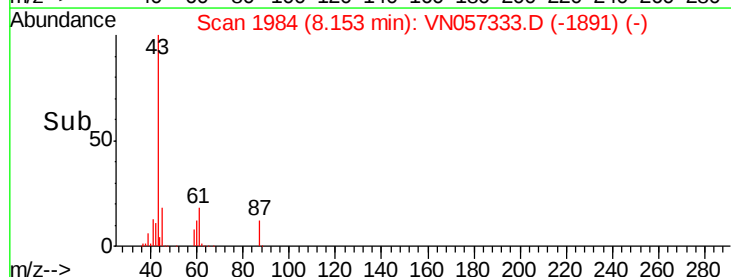
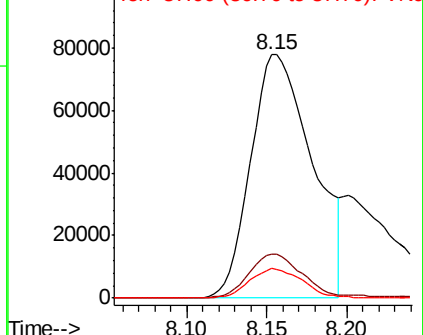
87 10.5 11.4 17.0#

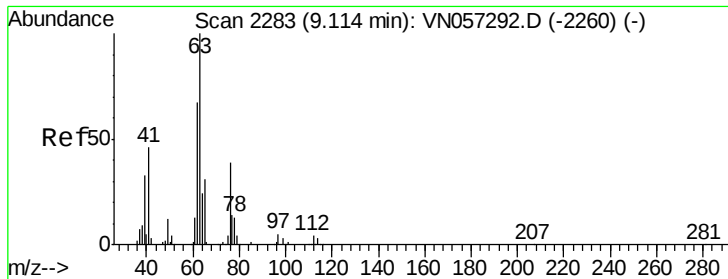


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

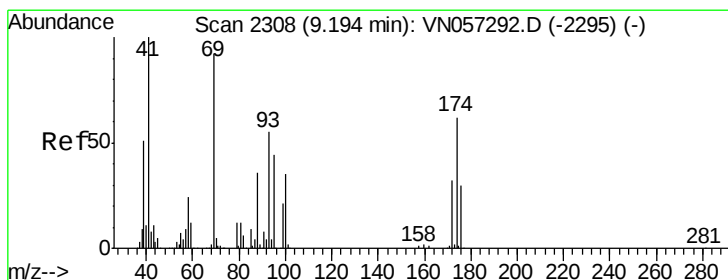
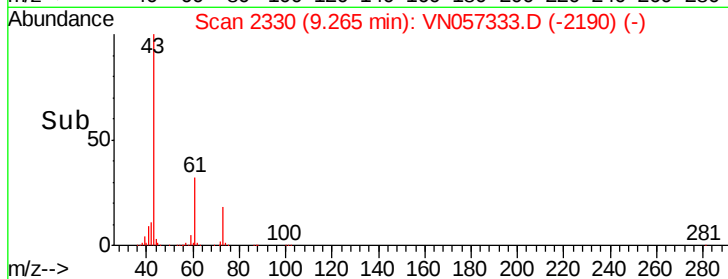
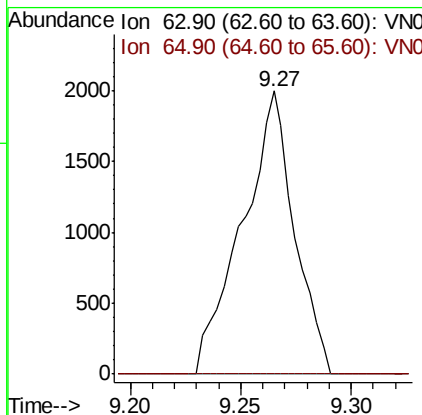
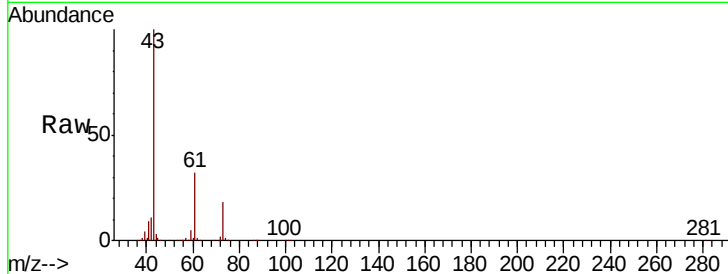




#45
 1,2-Dichloropropane
 Concen: 0.293 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

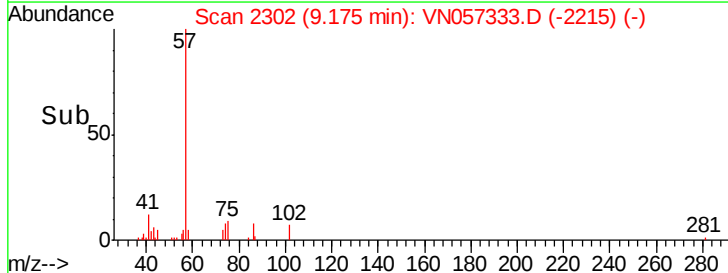
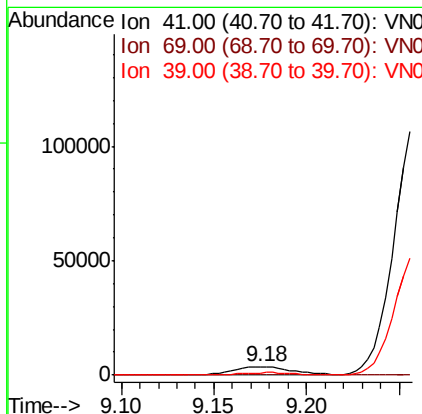
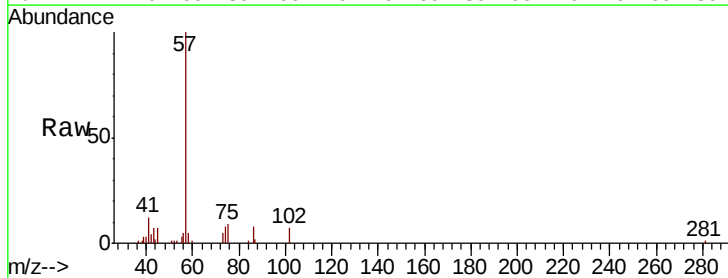
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G1-(2)

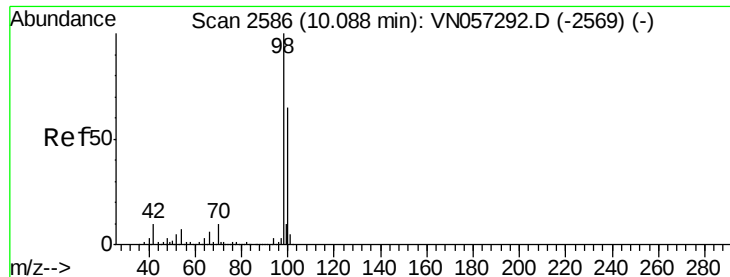
Tgt Ion: 63 Resp: 3275
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 0.859 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.02 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Tgt Ion: 41 Resp: 8209
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.9 113.9#
 39 0.0 42.3 63.5#





#50

Toluene-d8

Concen: 49.333 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

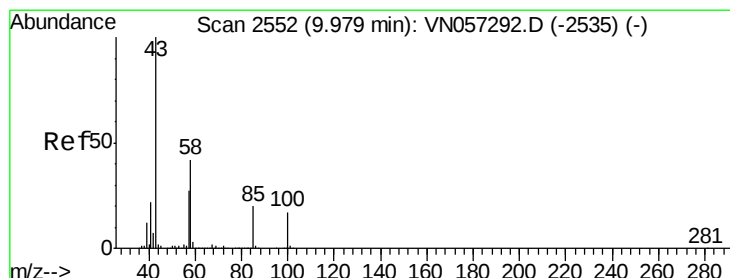
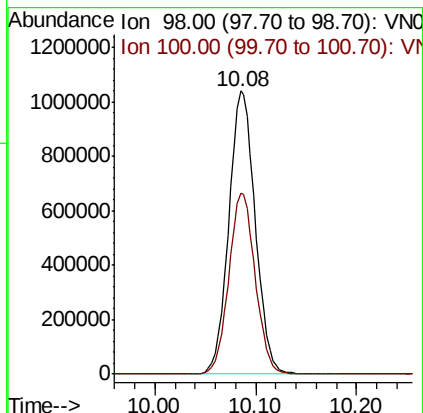
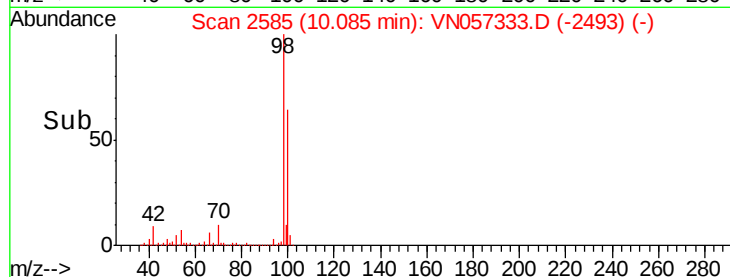
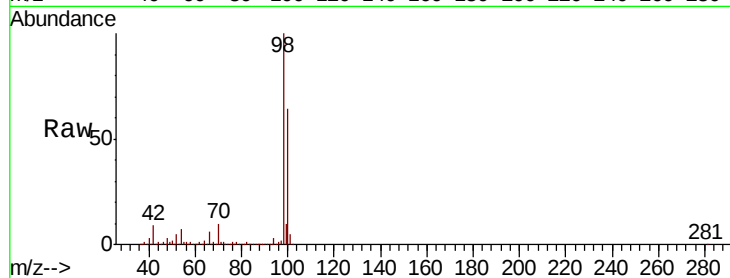
REACTOR-3-G1-(2)

Tgt Ion: 98 Resp: 1898402

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.822 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057333.D

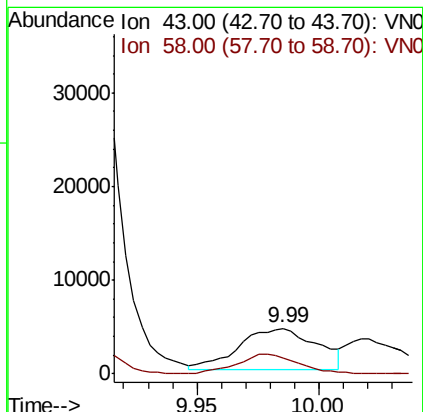
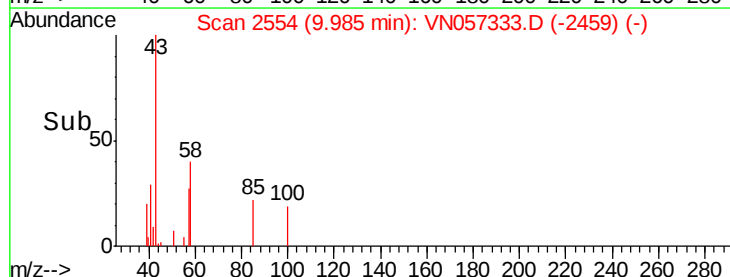
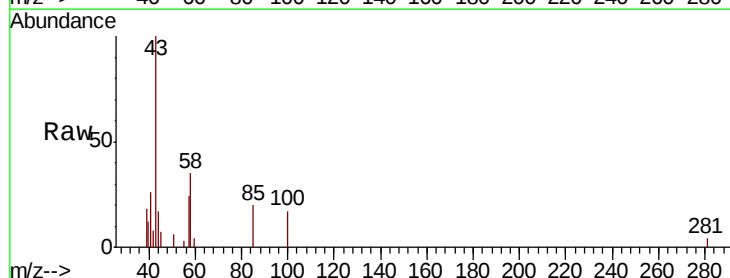
Acq: 15 Aug 2019 15:52

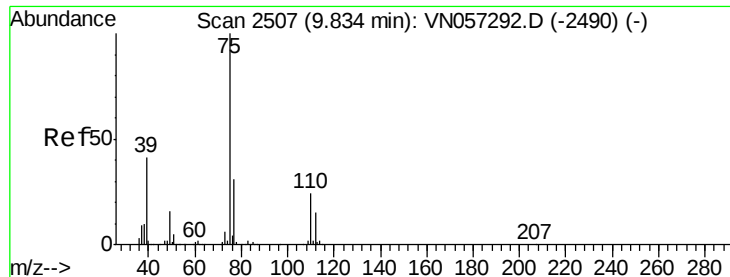
Tgt Ion: 43 Resp: 9842

Ion Ratio Lower Upper

43 100

58 36.8 33.2 49.8





#54

cis-1,3-Dichloropropene

Concen: 4.158 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G1-(2)

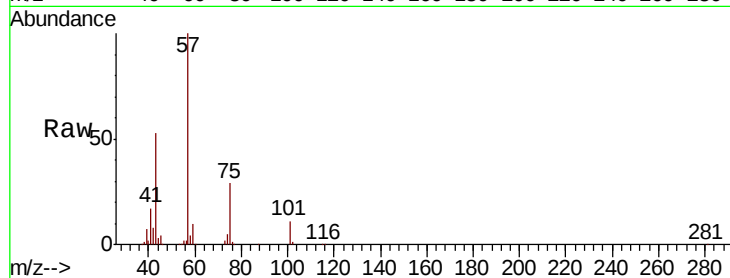
Tgt Ion: 75 Resp: 73247

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

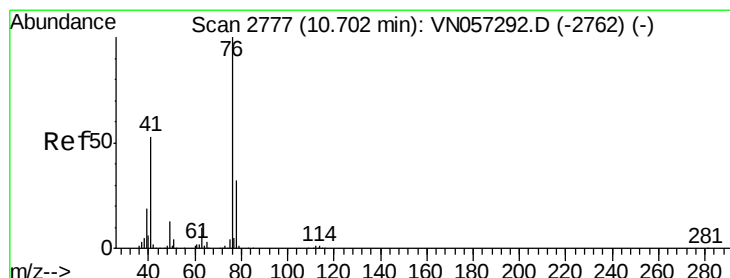
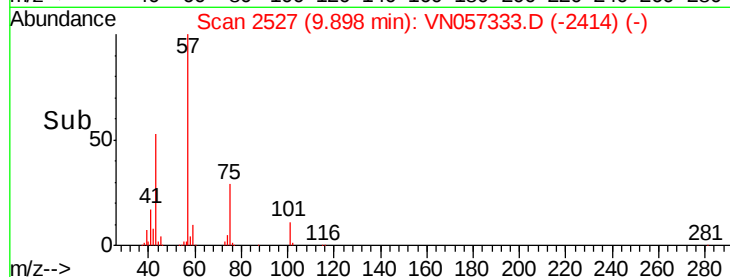
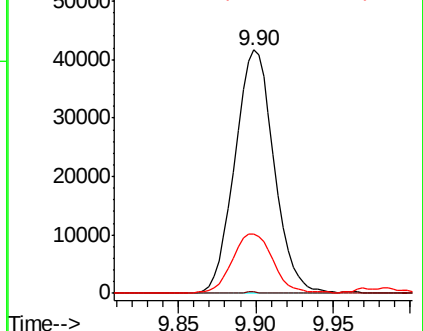
39 24.6 32.7 49.1#



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: 0.702 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057333.D

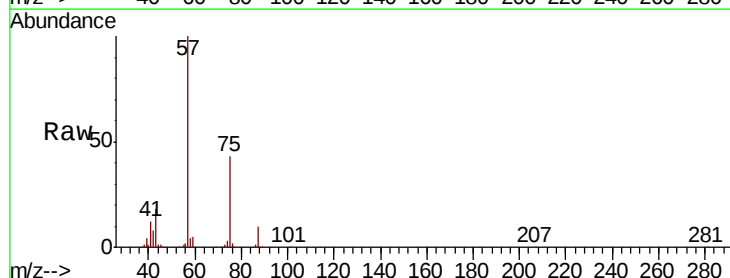
Acq: 15 Aug 2019 15:52

Tgt Ion: 76 Resp: 12448

Ion Ratio Lower Upper

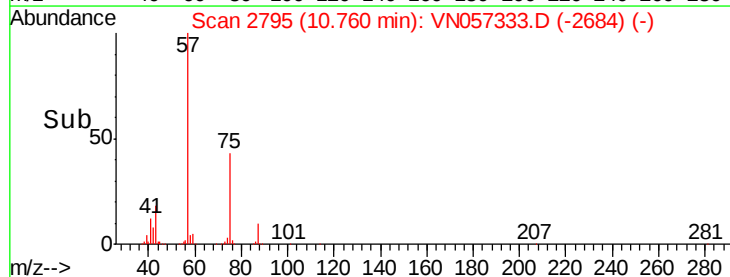
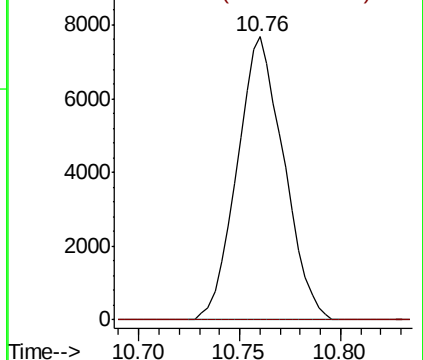
76 100

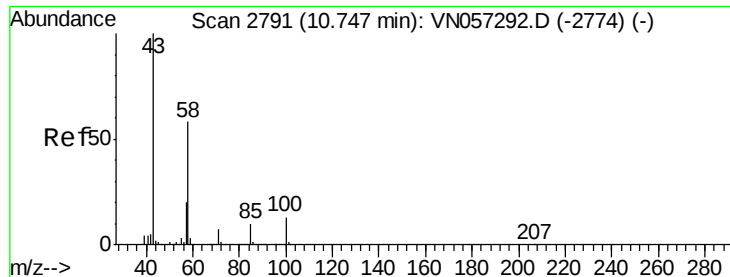
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

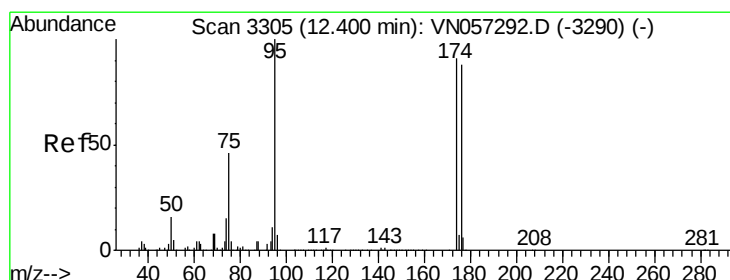
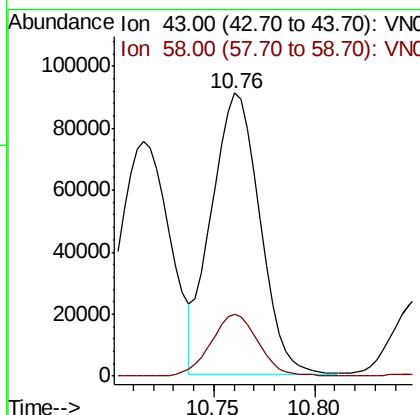
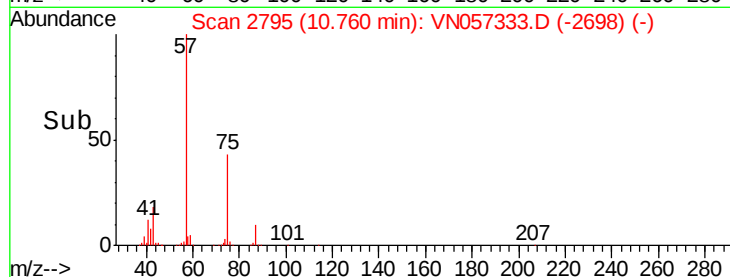
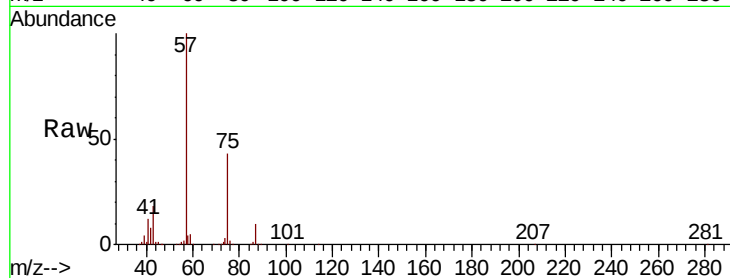




#59
2-Hexanone
Concen: 17.676 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

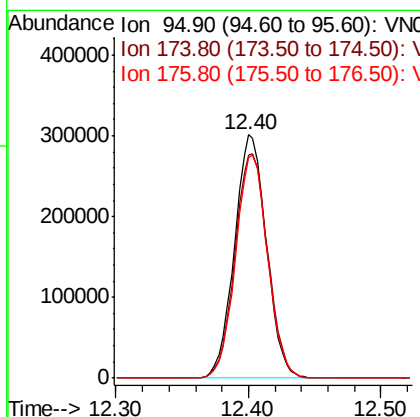
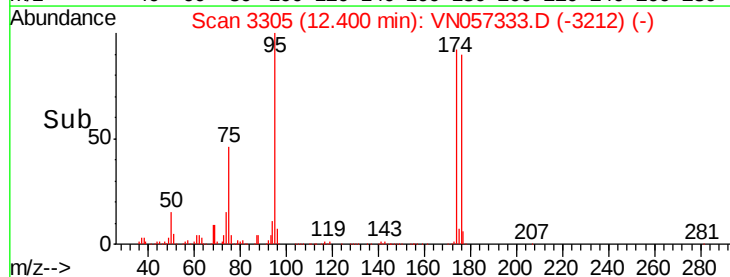
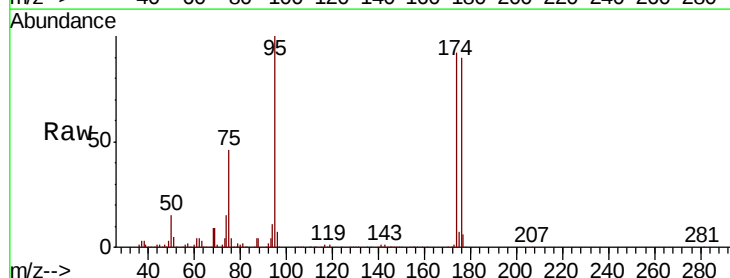
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G1-(2)

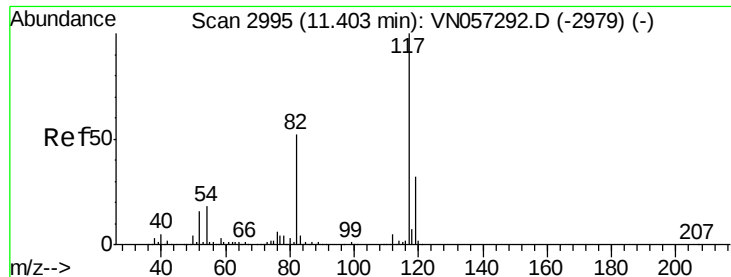
Tgt Ion: 43 Resp: 152167
Ion Ratio Lower Upper
43 100
58 21.7 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 36.993 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Tgt Ion: 95 Resp: 503064
Ion Ratio Lower Upper
95 100
174 95.0 0.0 185.0
176 91.7 0.0 181.0

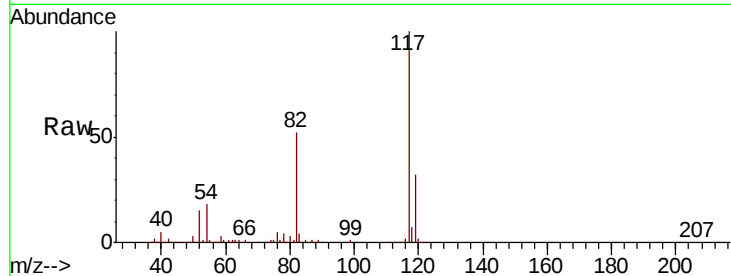




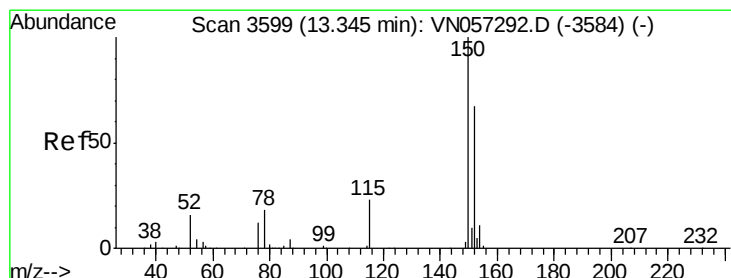
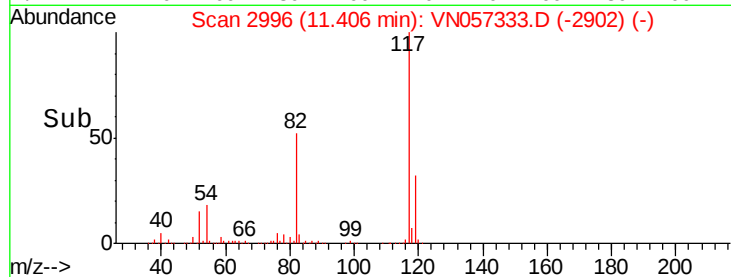
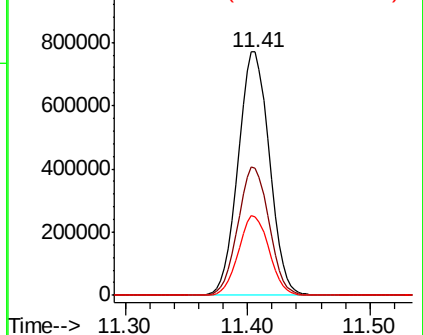
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G1-(2)

Tgt Ion:117 Resp: 1361857
Ion Ratio Lower Upper
117 100
82 52.3 41.2 61.8
119 32.5 25.8 38.8

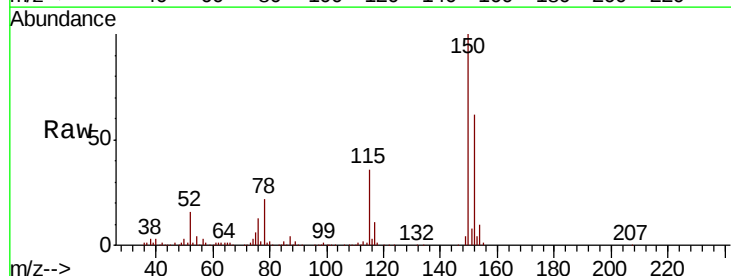


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

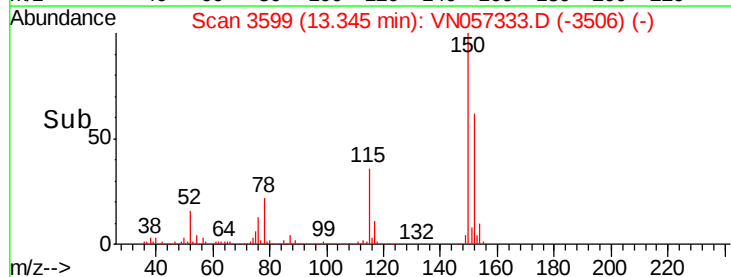
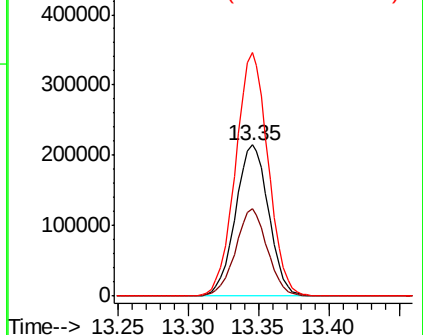


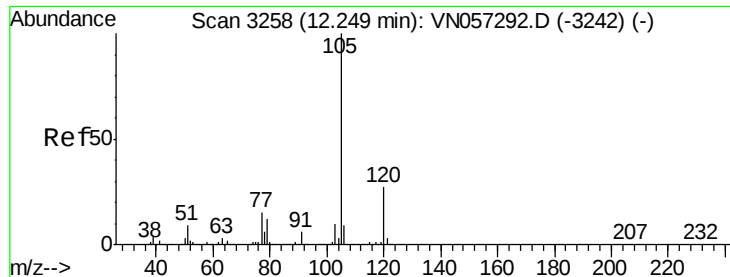
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Tgt Ion:152 Resp: 354934
Ion Ratio Lower Upper
152 100
115 55.2 27.3 81.9
150 158.2 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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

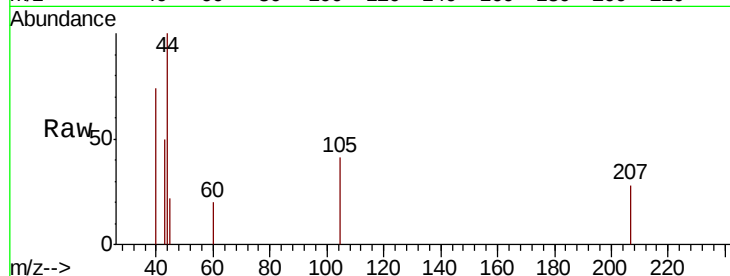
REACTOR-3-G1-(2)

Tgt Ion: 105 Resp: 354

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

12.26

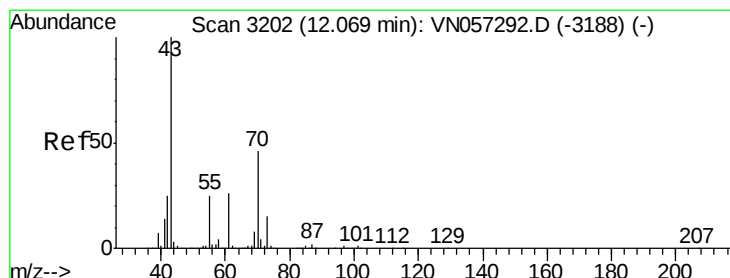
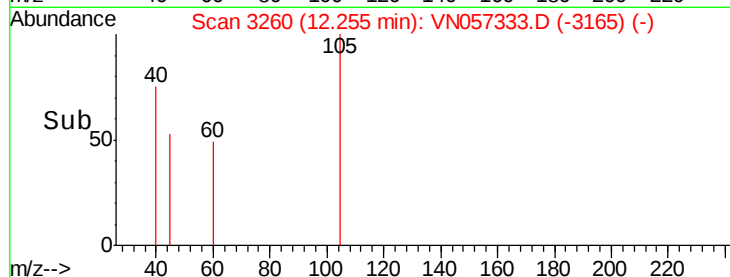
300

200

100

0

Time--> 12.22 12.24 12.26



#74

N-ethyl acetate

Concen: 0.395 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Tgt Ion: 43 Resp: 4065

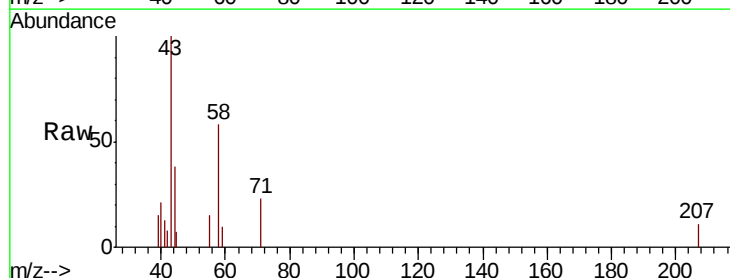
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 9.5 20.1 30.1#

61 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

4000

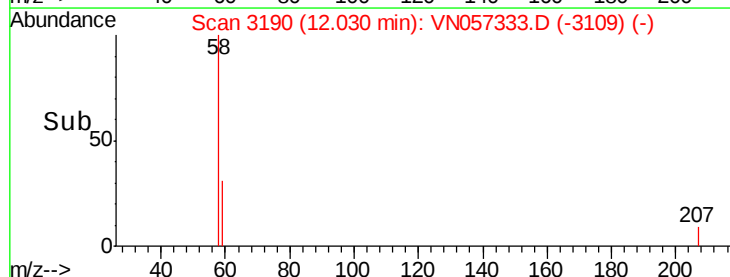
3000

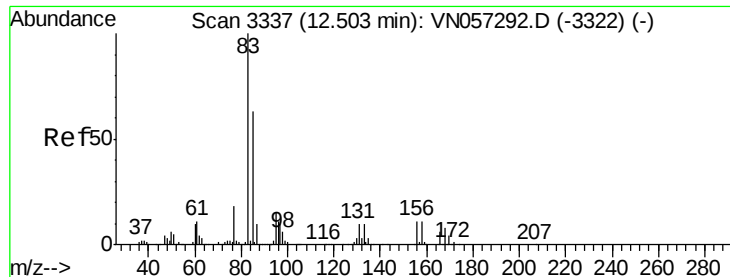
2000

1000

0

Time--> 12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G1-(2)

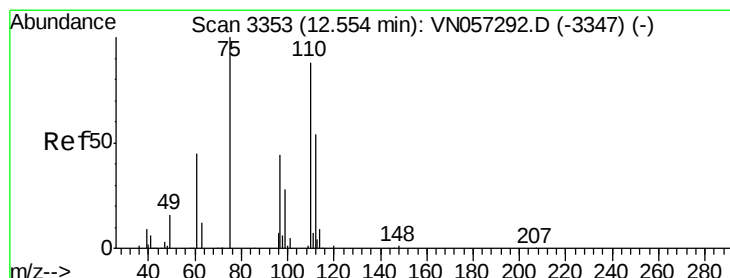
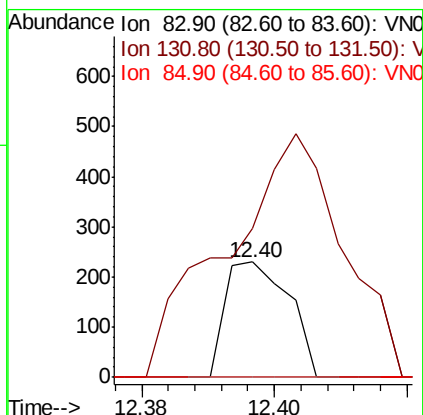
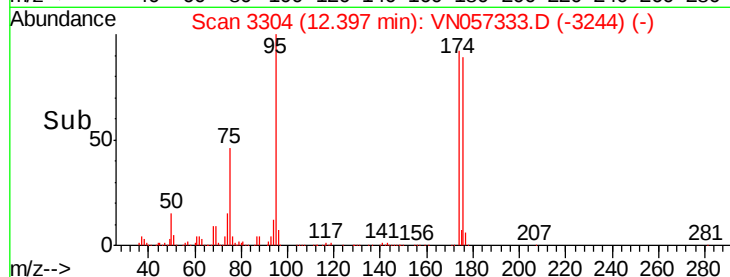
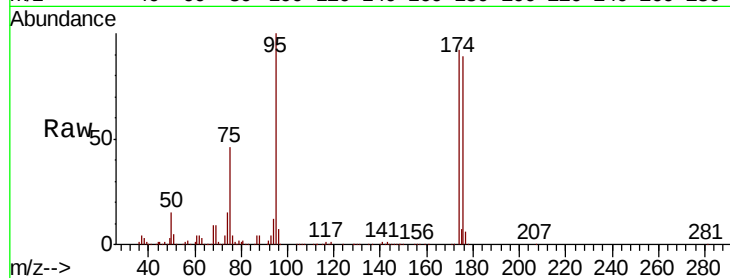
Tgt Ion: 83 Resp: 153

Ion Ratio Lower Upper

83 100

131 389.5 5.4 16.2#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 32.666 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057333.D

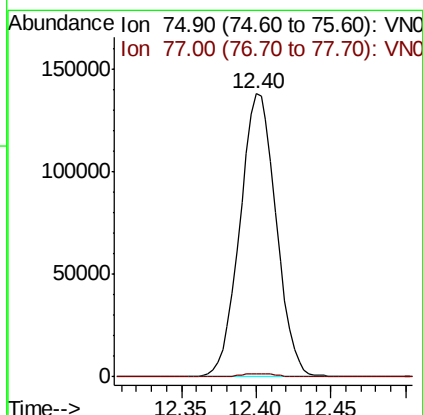
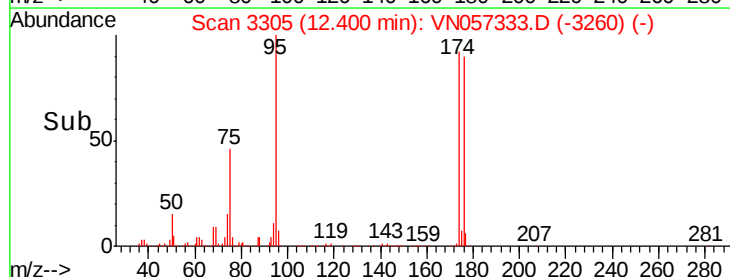
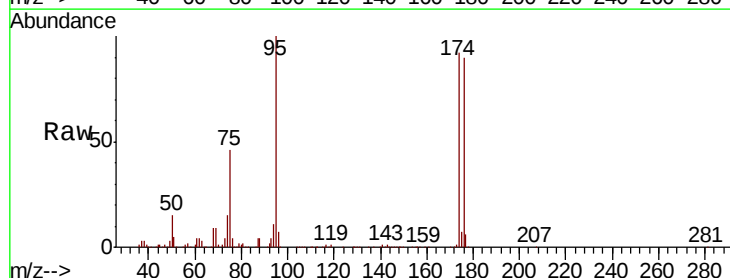
Acq: 15 Aug 2019 15:52

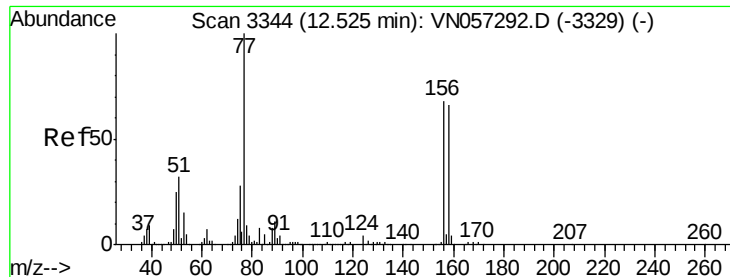
Tgt Ion: 75 Resp: 232815

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

Instrument :

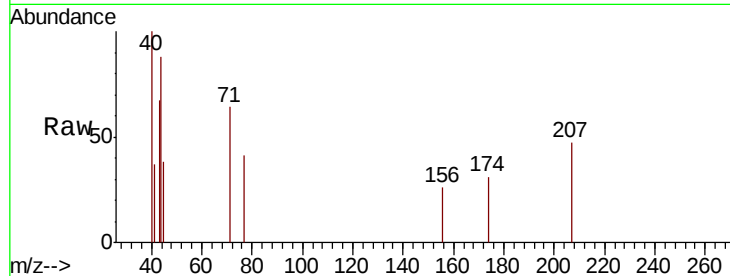
MSVOA_N

ClientSampleId :

REACTOR-3-G1-(2)

Tgt Ion: 156 Resp: 61

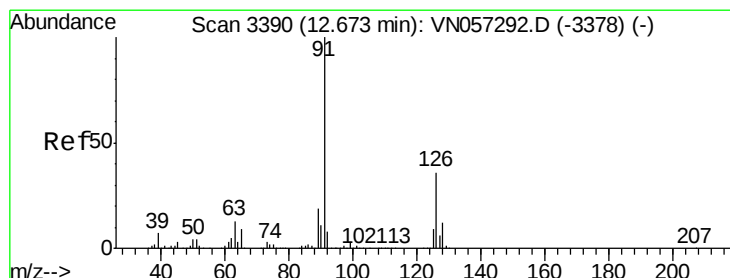
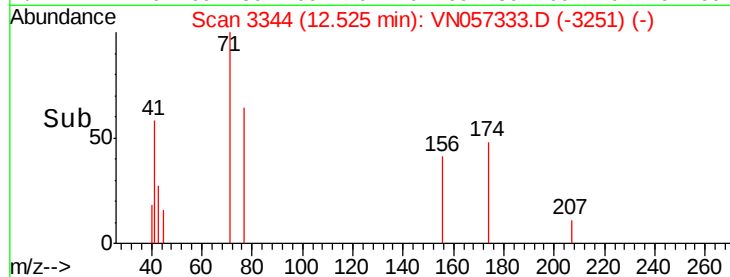
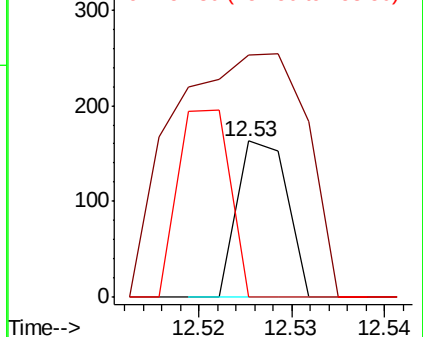
Ion	Ratio	Lower	Upper
156	100		
77	413.1	89.8	269.6#
158	123.0	49.3	147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3408

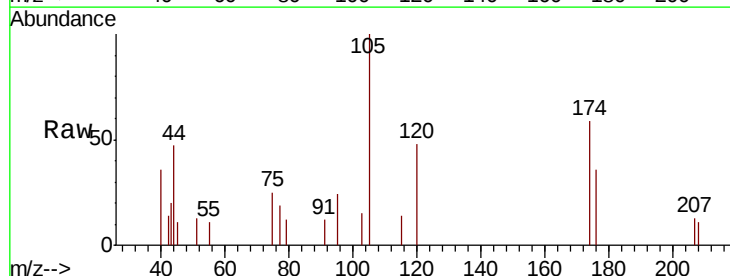
Delta R.T. 0.06 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

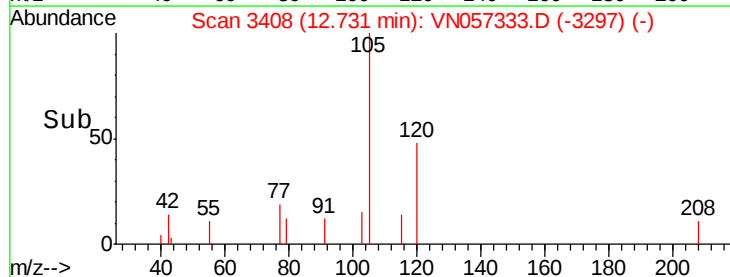
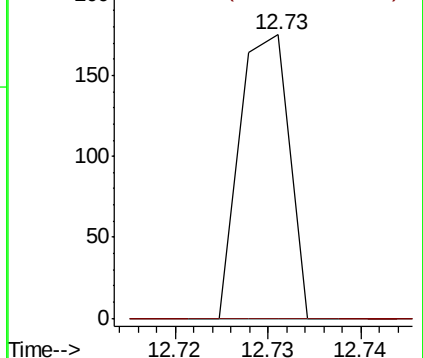
Tgt Ion: 91 Resp: 65

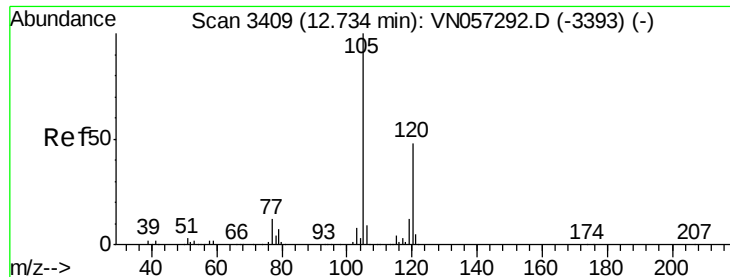
Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.1	54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

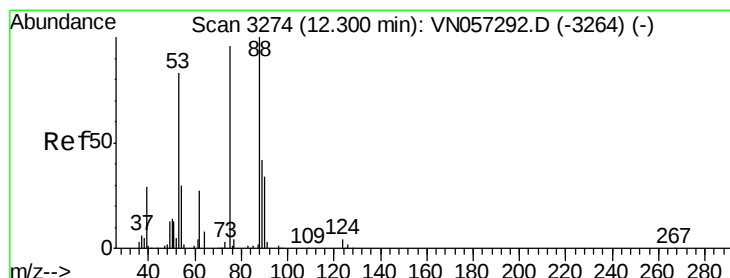
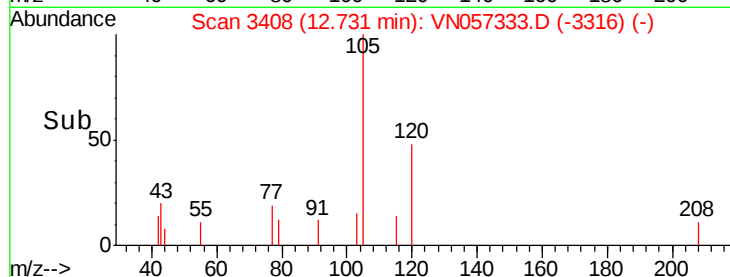
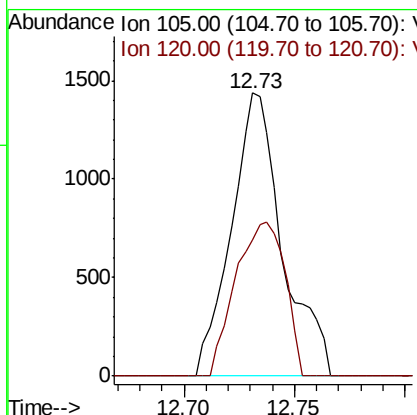
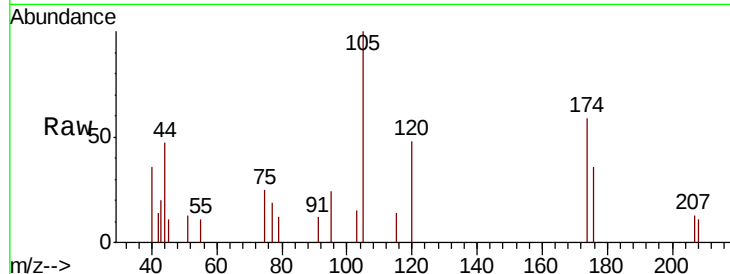




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

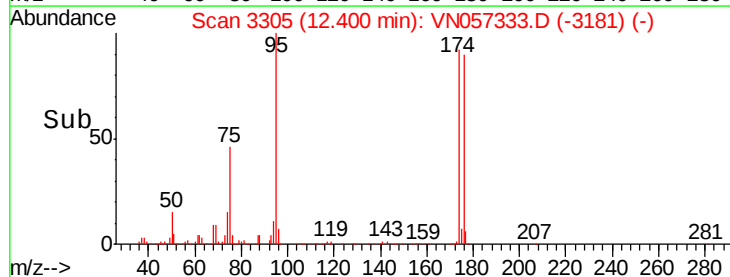
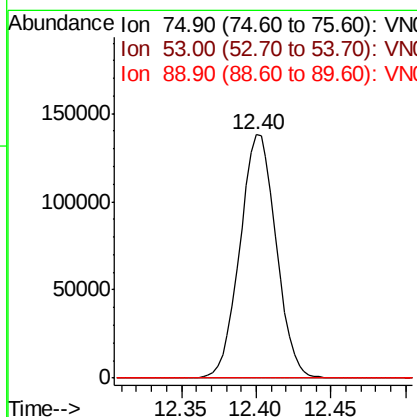
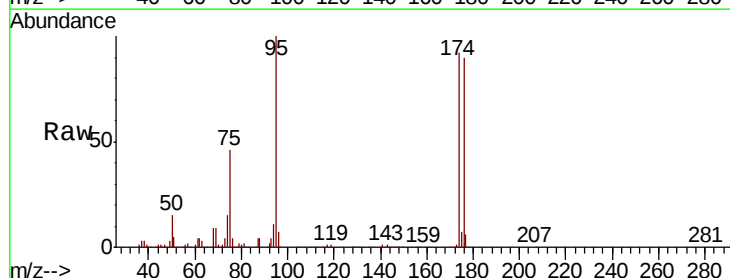
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G1-(2)

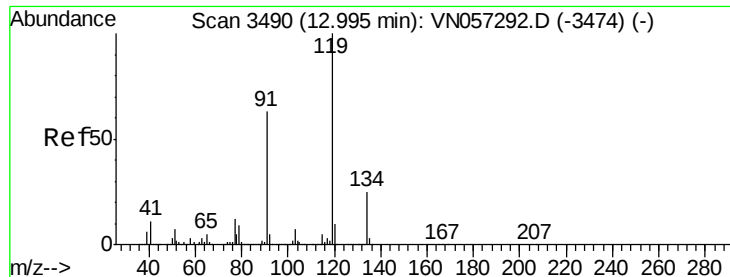
Tgt Ion: 105 Resp: 2311
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.984 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Tgt Ion: 75 Resp: 232815
 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: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057333.D

Acq: 15 Aug 2019 15:52

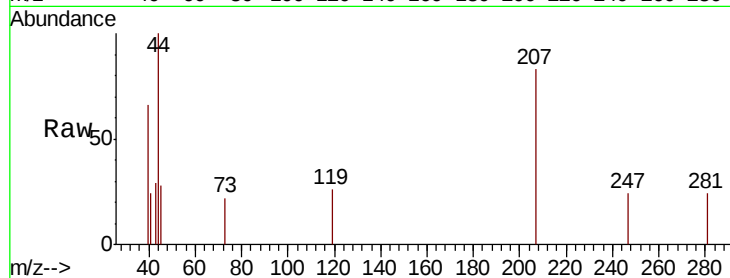
Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G1-(2)

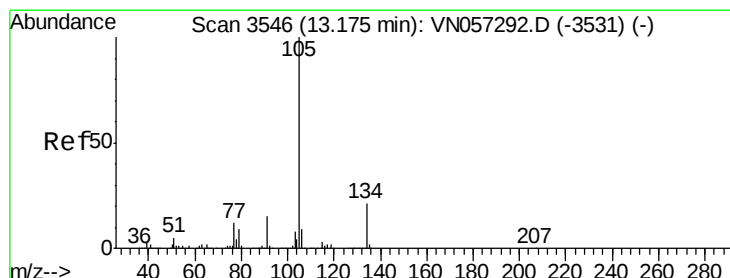
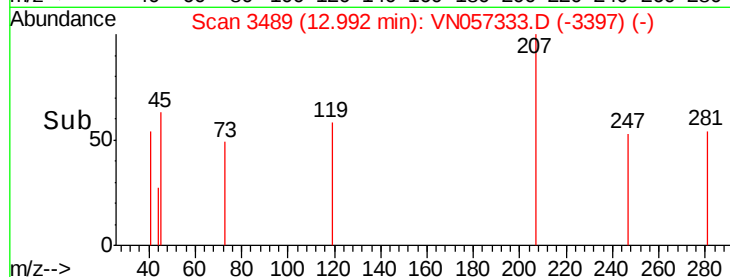
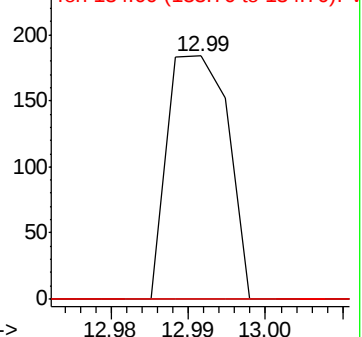
Tgt Ion:	119	Resp:	100
Ion	Ratio	Lower	Upper
119	100		
91	0.0	31.3	93.8#
134	0.0	13.1	39.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: Below Cal

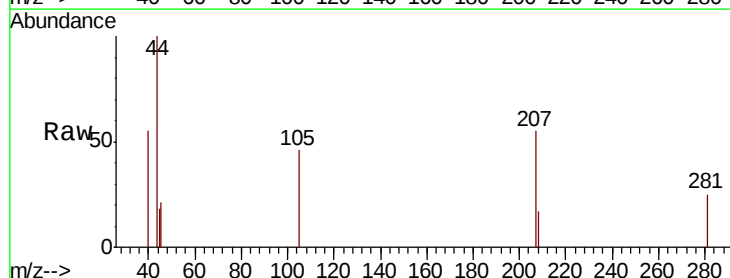
RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057333.D

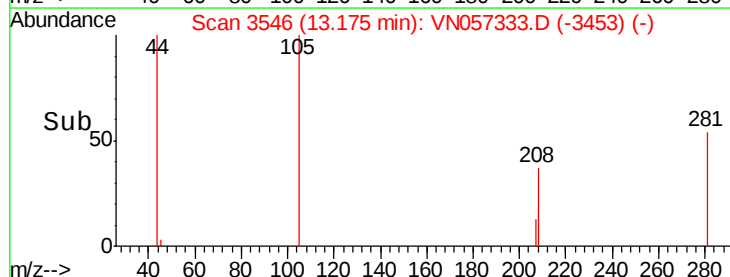
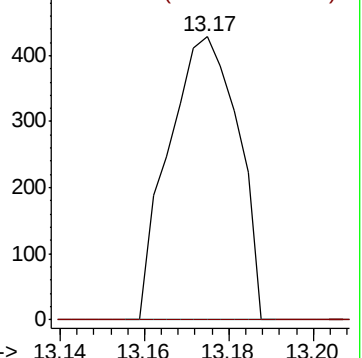
Acq: 15 Aug 2019 15:52

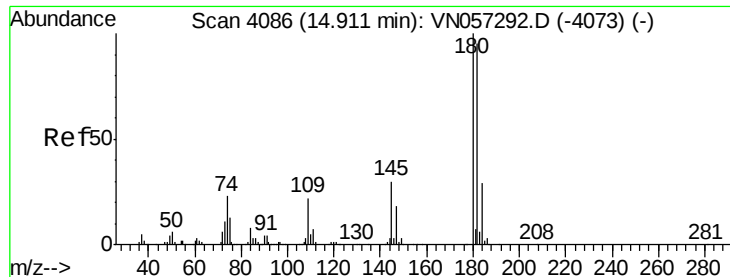
Tgt Ion:	105	Resp:	487
Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

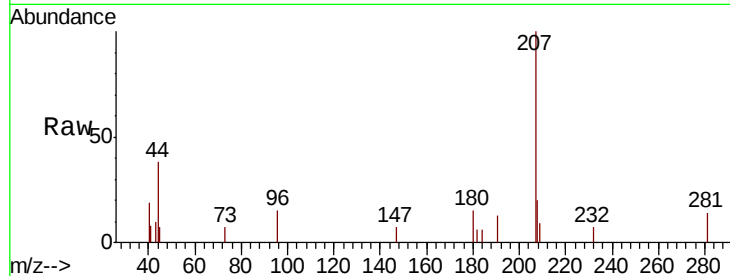




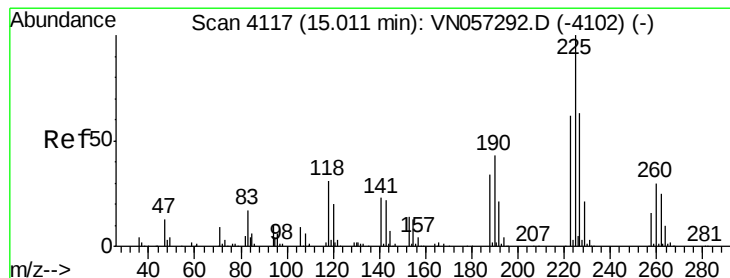
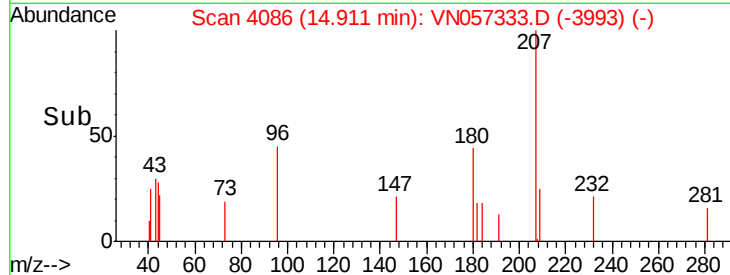
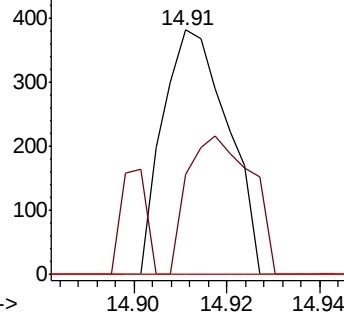
#93
 1,2,4-Trichlorobenzene
 Concen: 5.428 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G1-(2)

Tgt Ion:180 Resp: 372
 Ion Ratio Lower Upper
 180 100
 182 55.6 48.0 144.2
 145 0.0 14.5 43.6#

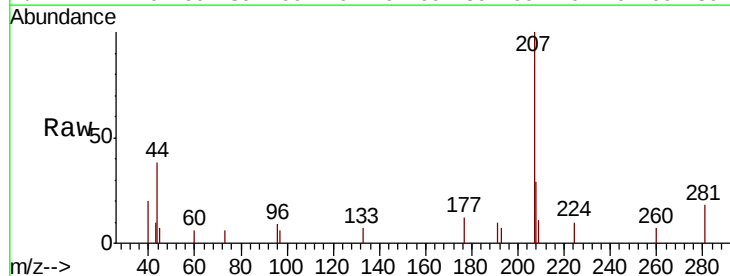


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

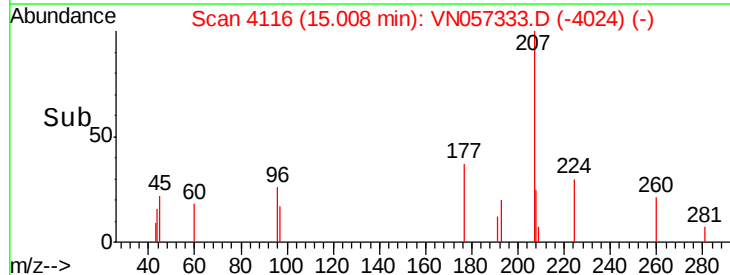
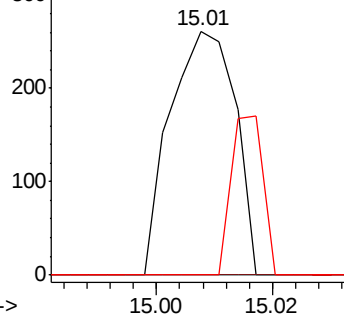


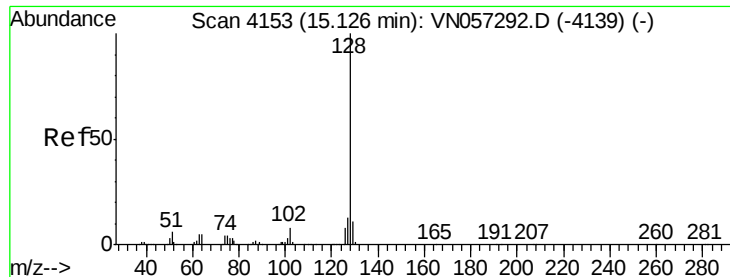
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057333.D
 Acq: 15 Aug 2019 15:52

Tgt Ion:225 Resp: 203
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.7 92.1#
 227 32.0 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

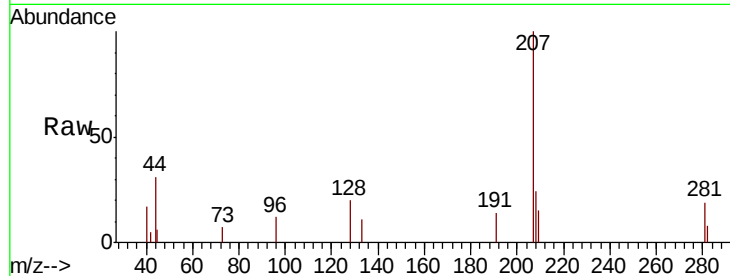




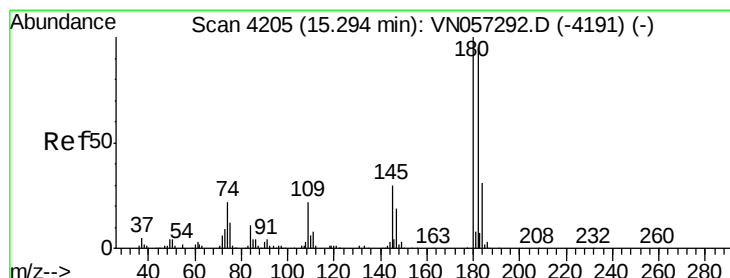
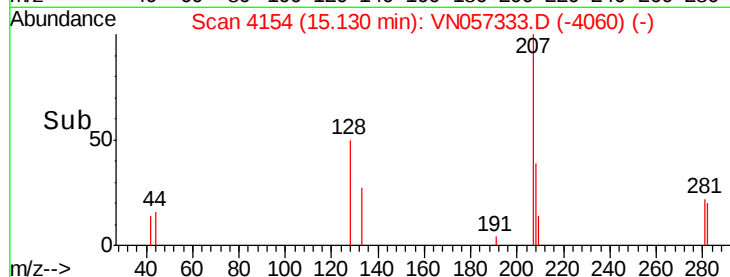
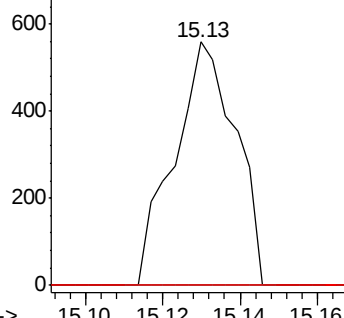
#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G1-(2)

Tgt Ion:128 Resp: 618
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

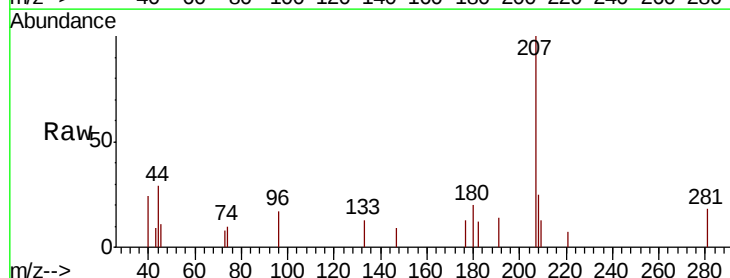


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057333.D
Acq: 15 Aug 2019 15:52

Tgt Ion:180 Resp: 554
Ion Ratio Lower Upper
180 100
182 59.6 47.9 143.6
145 0.0 15.1 45.3#



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

