

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
 Data File : VN057332.D
 Acq On : 15 Aug 2019 15:28
 Operator : JC/SP
 Sample : K4264-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

Quant Time: Aug 16 02:01:14 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	1136453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1590752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1306295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	323047	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	534199	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	
35) Dibromofluoromethane	7.58	113	471074	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
50) Toluene-d8	10.08	98	1851327	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	474214	35.18	ug/l	0.00
Spiked Amount			Recovery	=	70.36%	

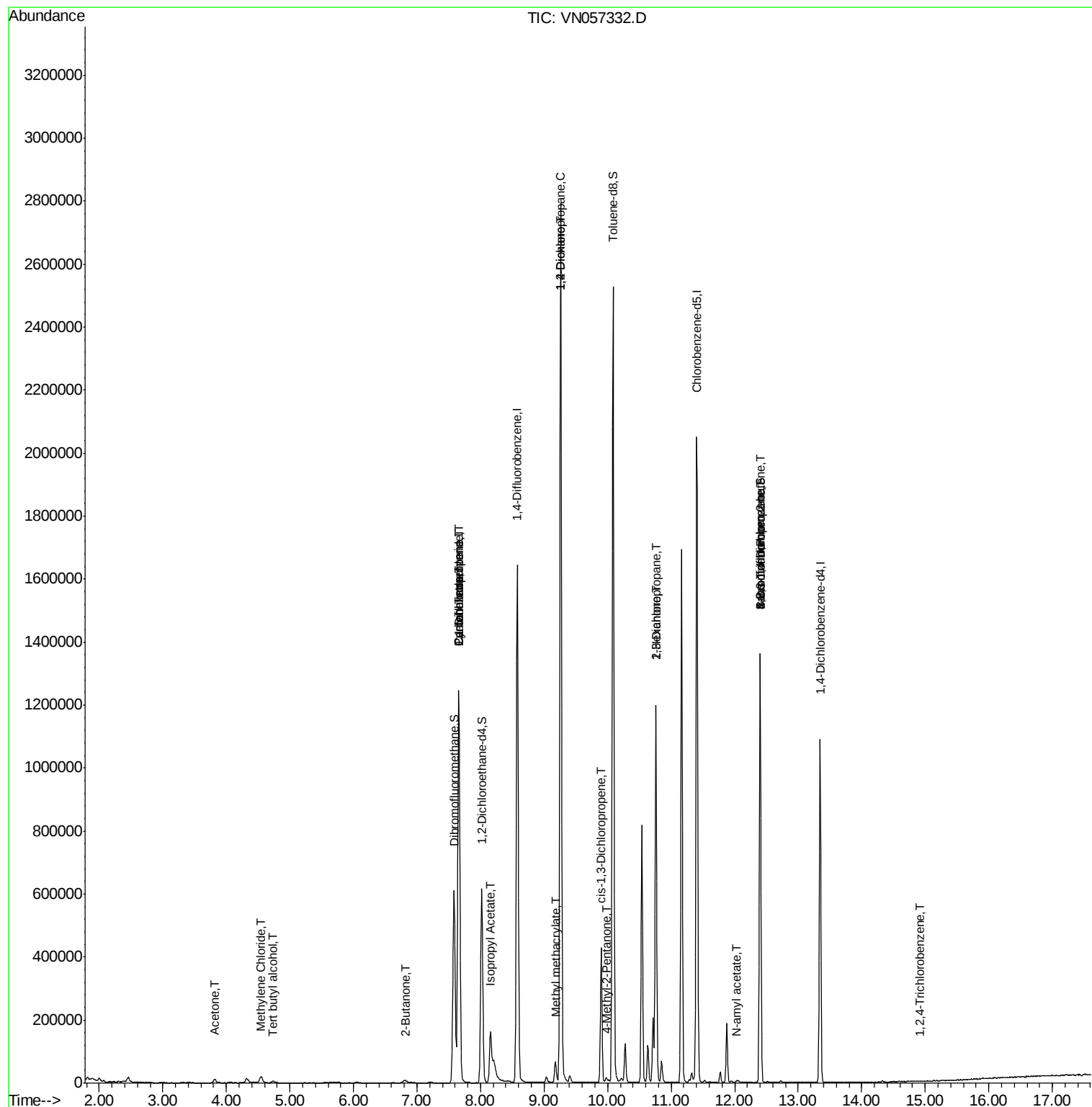
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4230	2.408	ug/l #	73
16) Acetone	3.81	43	16337	3.812	ug/l	90
18) Methyl Acetate	4.33	43	27552	Below Cal	#	84
20) Methylene Chloride	4.55	84	15979	1.333	ug/l	91
25) 2-Butanone	6.83	43	2028	0.327	ug/l #	75
31) Cyclohexane	7.66	56	16789	0.997	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	68323	4.864	ug/l #	48
38) Carbon Tetrachloride	7.66	117	96116	6.586	ug/l #	15
43) Isopropyl Acetate	8.16	43	278503	12.390	ug/l #	78
45) 1,2-Dichloropropane	9.26	63	4066	0.367	ug/l #	44
48) Methyl methacrylate	9.17	41	9346	0.987	ug/l #	11
49) 1,4-Dioxane	9.26	88	360	1.807	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	9977	0.841	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	85963	4.924	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	13858	0.789	ug/l #	43
59) 2-Hexanone	10.76	43	166948	19.567	ug/l #	50
71) Bromoform	12.40	173	4047	0.503	ug/l #	1
73) Isopropylbenzene	12.26	105	411	Below Cal	#	49
74) N-amyl acetate	12.03	43	5882	0.627	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.40	83	133	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	218472	33.739	ug/l #	100
77) Bromobenzene	12.53	156	102	Below Cal	#	43
79) 2-Chlorotoluene	12.67	91	457	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.74	105	1988	Below Cal		87
81) trans-1,4-Dichloro-2-buten	12.40	75	218472	82.465	ug/l #	15
83) tert-Butylbenzene	12.99	119	242	Below Cal	#	28
85) sec-Butylbenzene	13.17	105	487	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.92	180	427	5.446	ug/l #	32
95) Naphthalene	15.13	128	1193	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	652	Below Cal	#	62

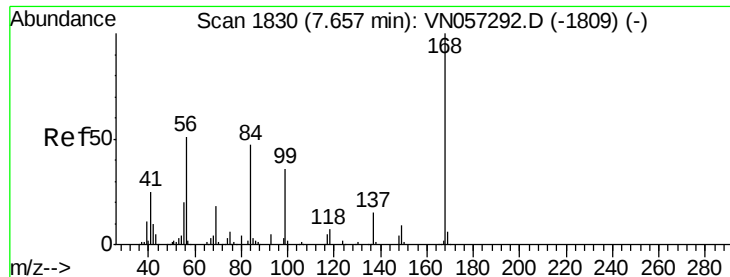
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

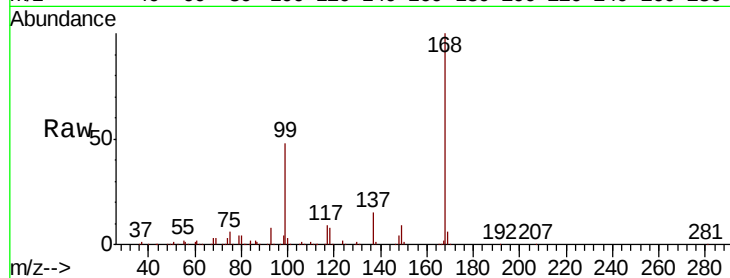
REACTOR-3-C4-(3)

Tgt Ion:168 Resp: 1136453

Ion Ratio Lower Upper

168 100

99 48.2 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

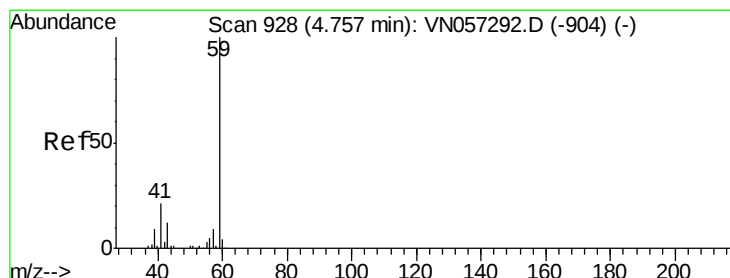
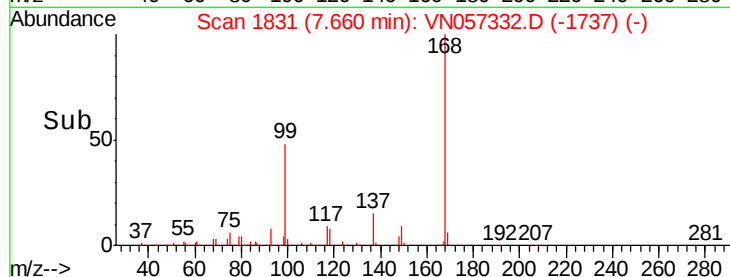
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.408 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.02 min

Lab File: VN057332.D

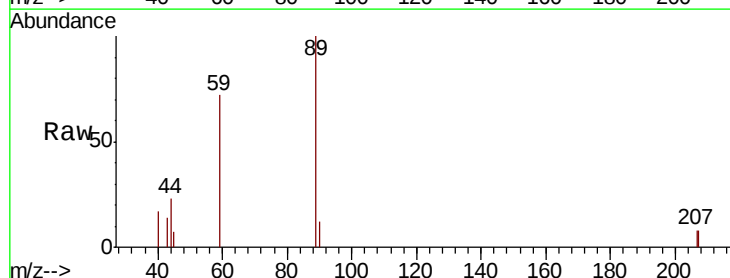
Acq: 15 Aug 2019 15:28

Tgt Ion: 59 Resp: 4230

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN057292.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN057292.D (-904) (-)

4.74

2000

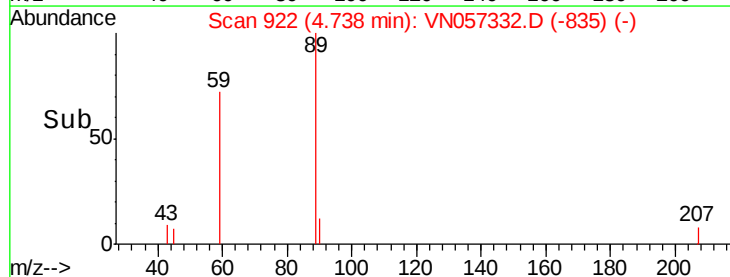
1500

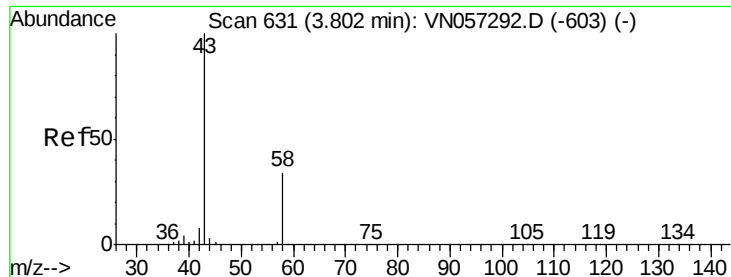
1000

500

0

Time-->





#16

Acetone

Concen: 3.812 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

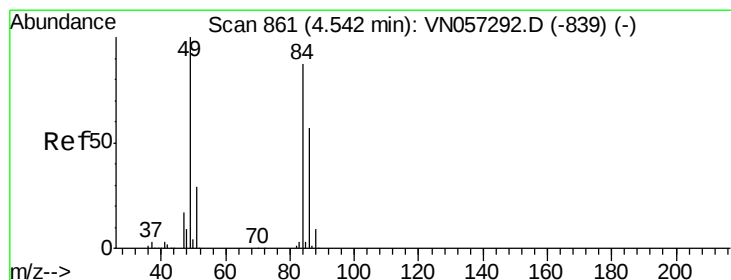
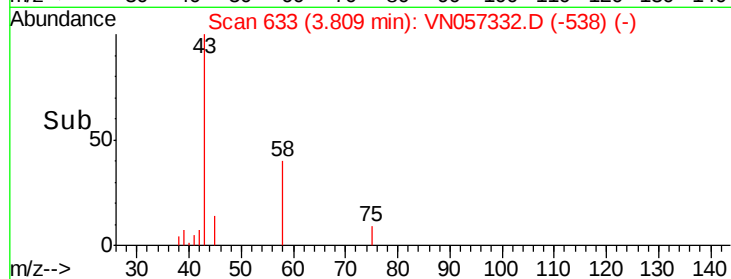
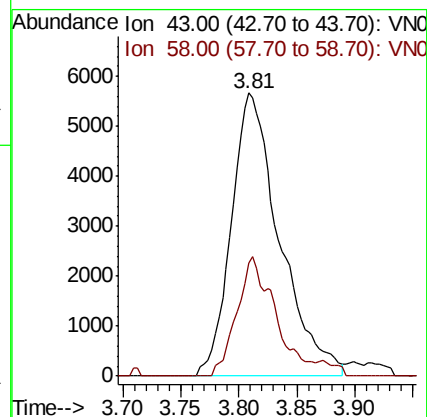
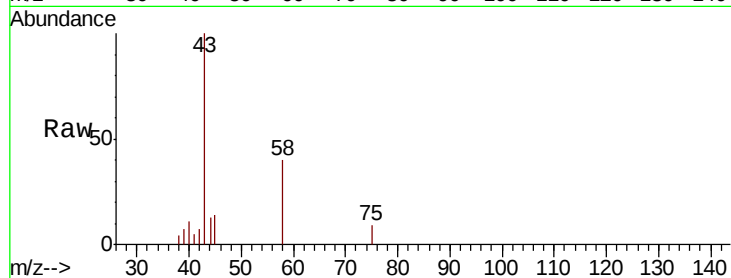
REACTOR-3-C4-(3)

Tgt Ion: 43 Resp: 16337

Ion Ratio Lower Upper

43 100

58 39.8 27.0 40.6



#20

Methylene Chloride

Concen: 1.333 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Tgt Ion: 84 Resp: 15979

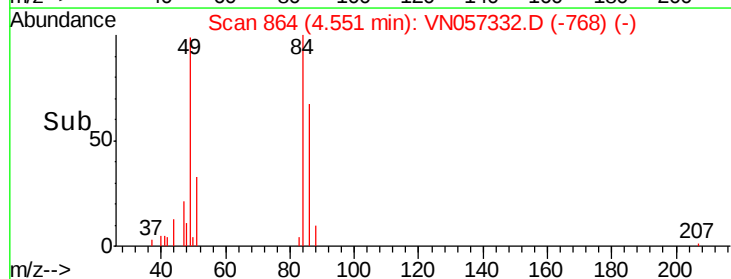
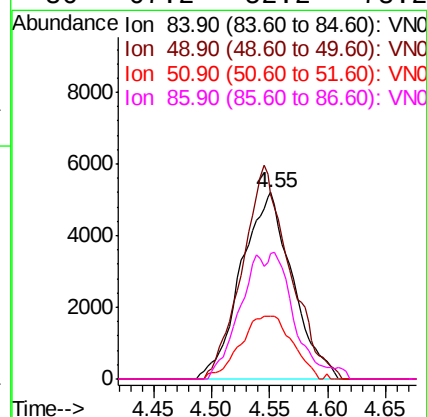
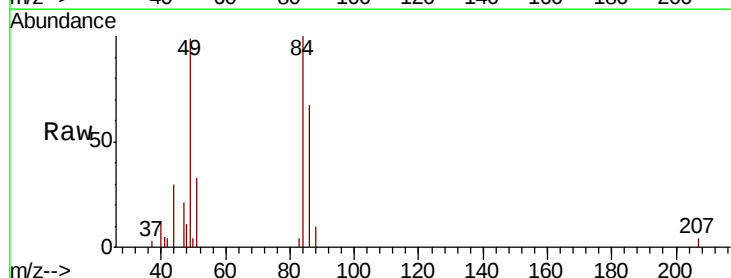
Ion Ratio Lower Upper

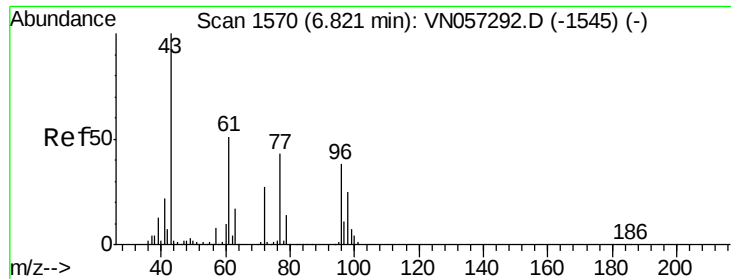
84 100

49 98.7 92.0 138.0

51 33.4 27.1 40.7

86 67.2 52.2 78.2

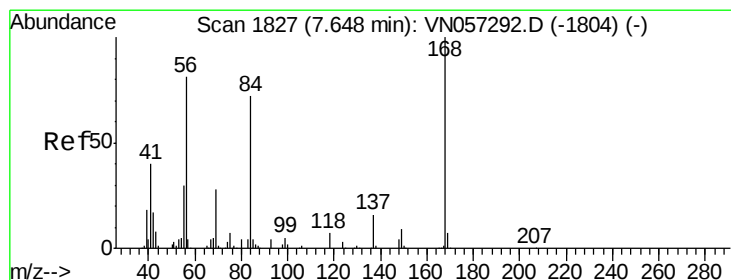
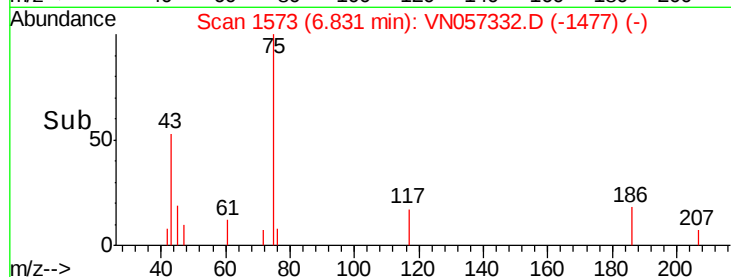
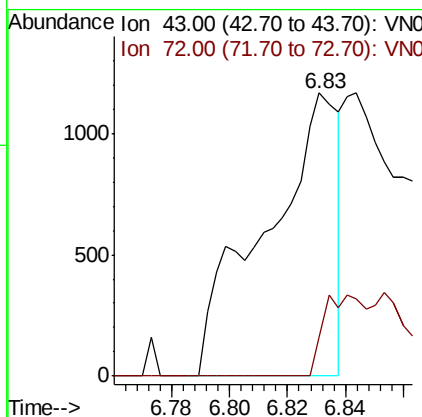
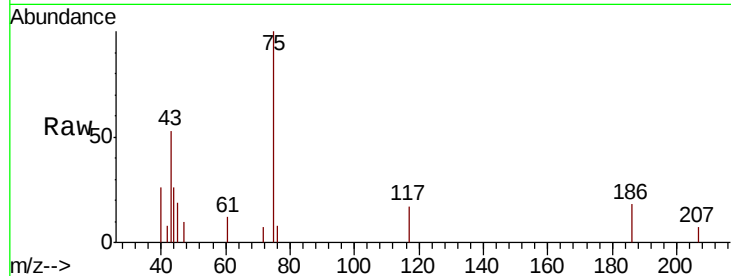




#25
2-Butanone
Concen: 0.327 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

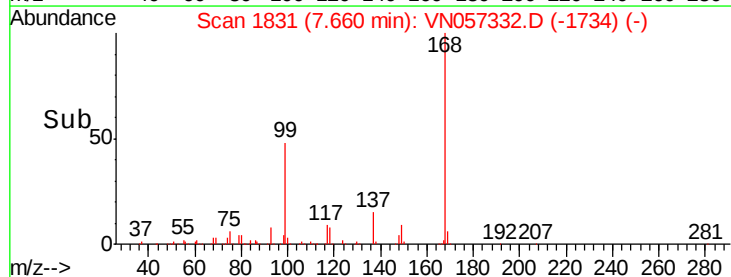
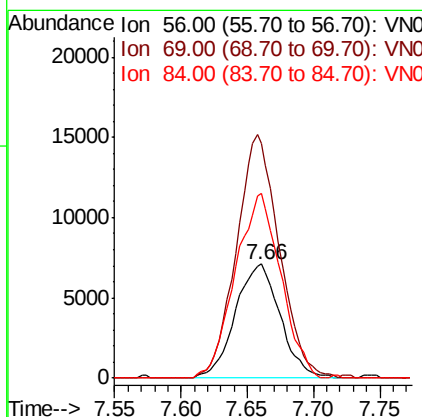
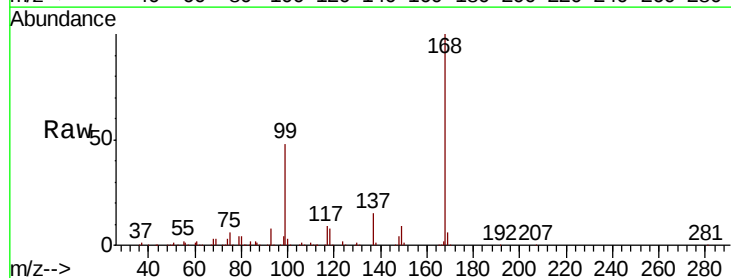
Instrument :
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REACTOR-3-C4-(3)

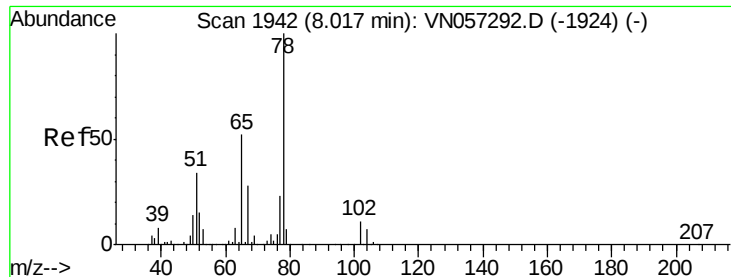
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
72 13.9 21.5 32.3#



#31
Cyclohexane
Concen: 0.997 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

Tgt Ion: 56 Resp: 16789
Ion Ratio Lower Upper
56 100
69 205.5 27.3 40.9#
84 162.2 71.0 106.6#

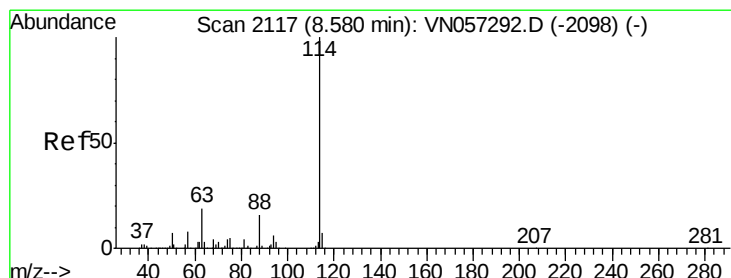
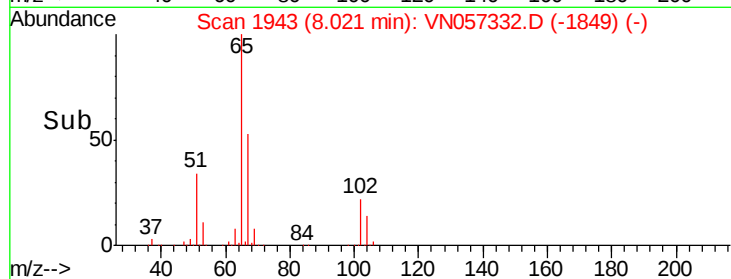
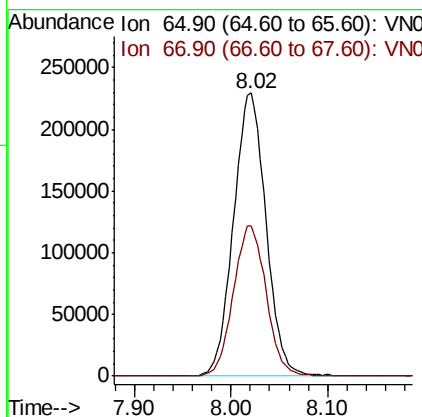
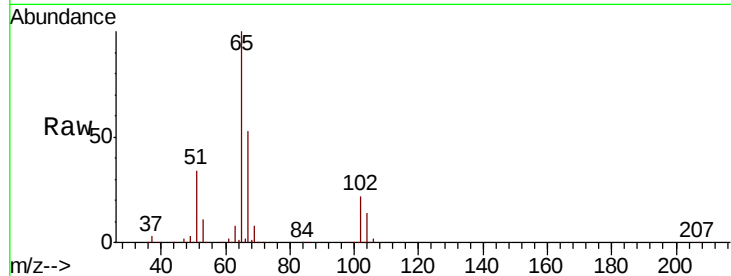




#33
 1,2-Dichloroethane-d4
 Concen: 43.239 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

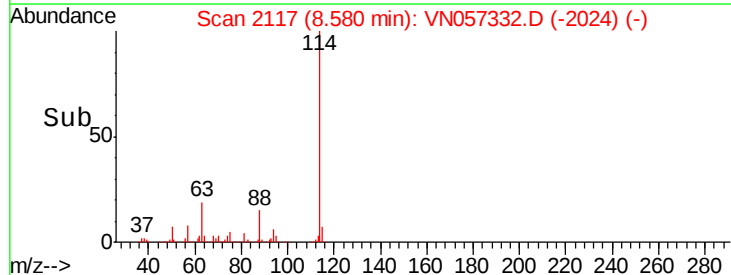
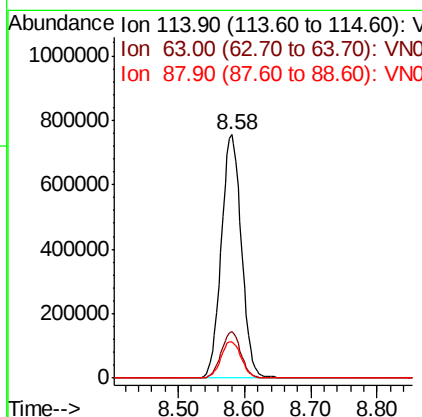
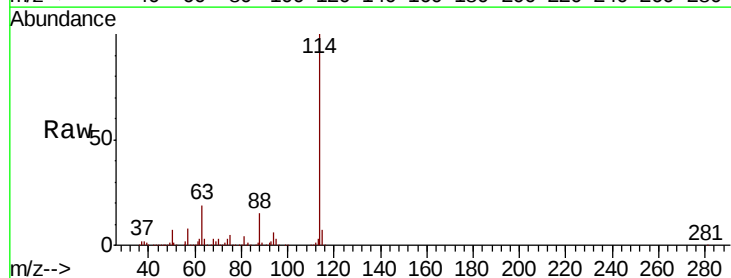
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

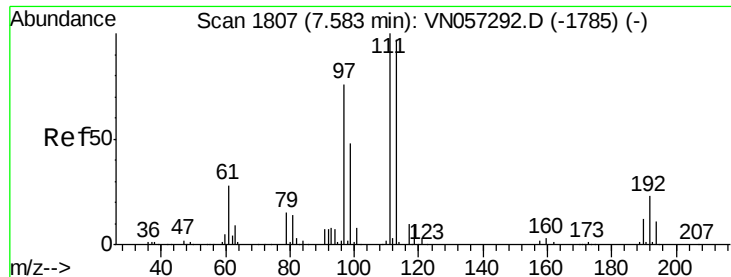
Tgt Ion: 65 Resp: 534199
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion: 114 Resp: 1590752
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 15.1 0.0 31.4

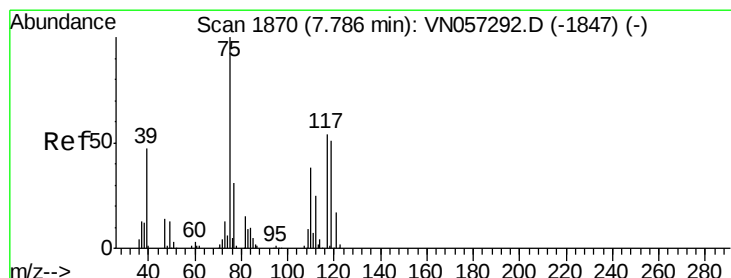
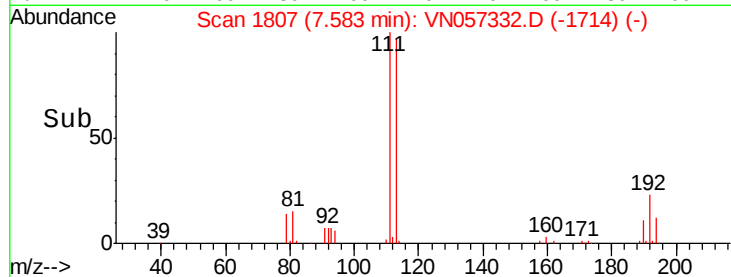
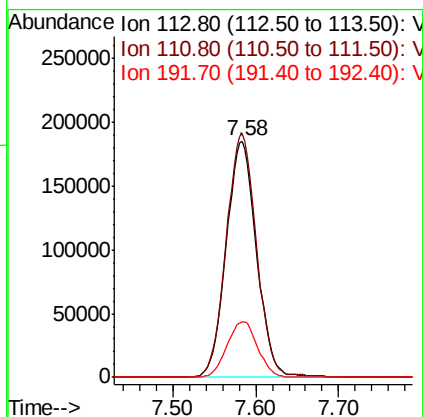
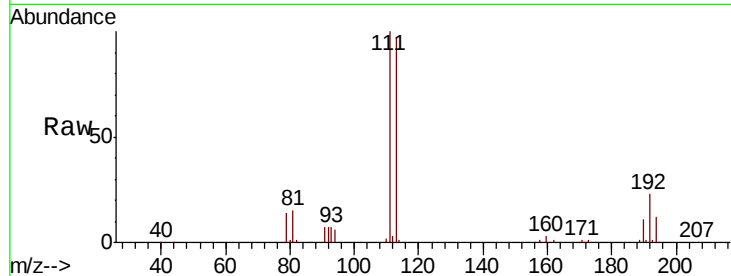




#35
 Dibromofluoromethane
 Concen: 45.175 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

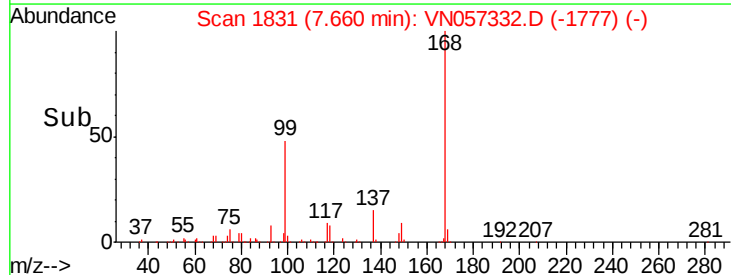
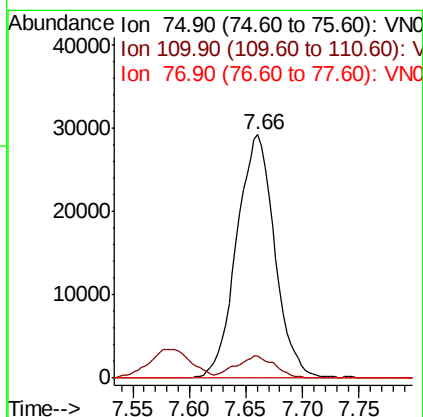
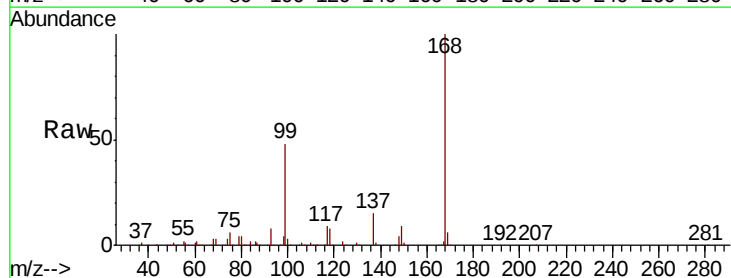
Instrument :
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 REACTOR-3-C4-(3)

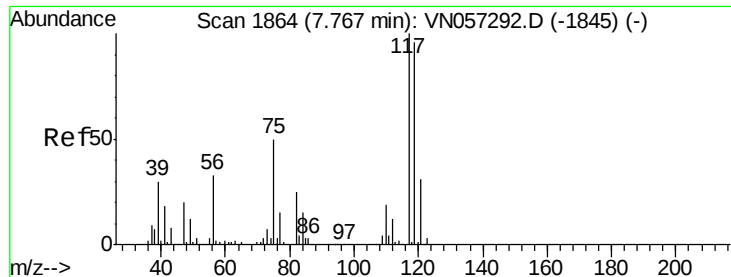
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	24.1	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.5	58.5#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.586 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C4-(3)

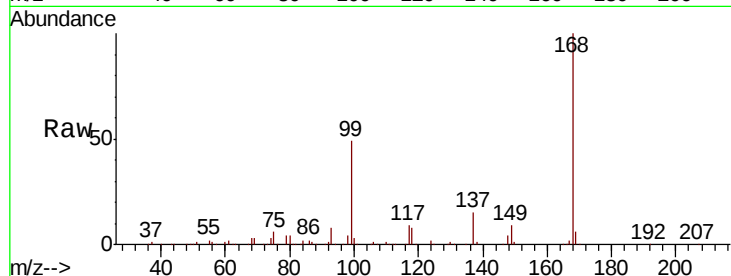
Tgt Ion:117 Resp: 96116

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

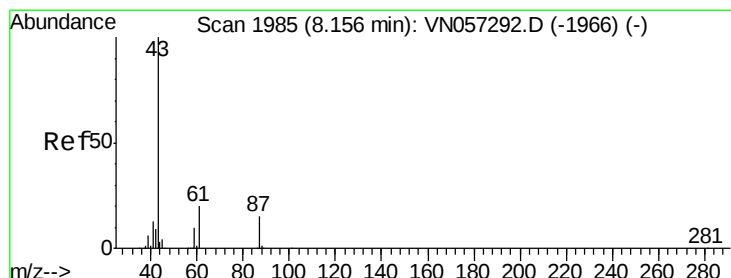
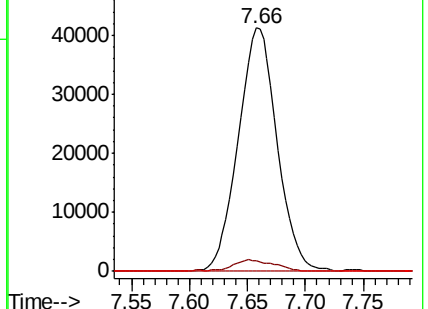
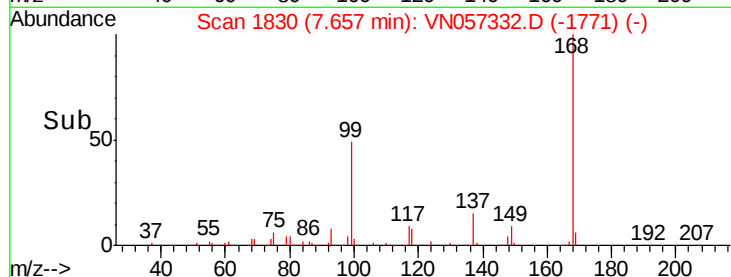
121 0.0 25.0 37.4#



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: 12.390 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

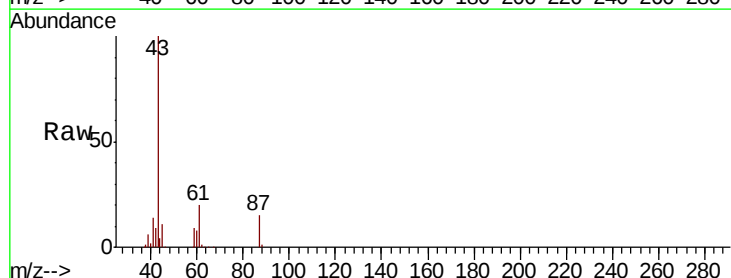
Tgt Ion: 43 Resp: 278503

Ion Ratio Lower Upper

43 100

61 13.0 21.6 32.4#

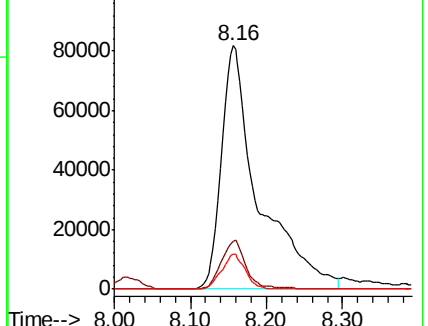
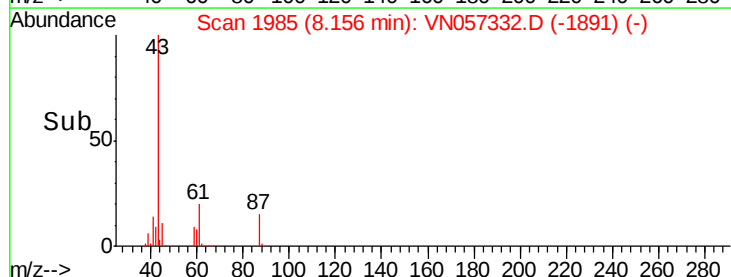
87 9.0 11.4 17.0#

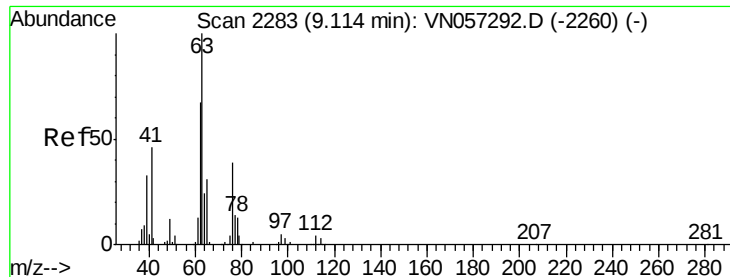


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

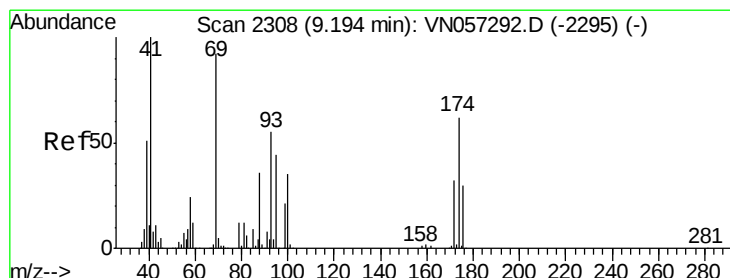
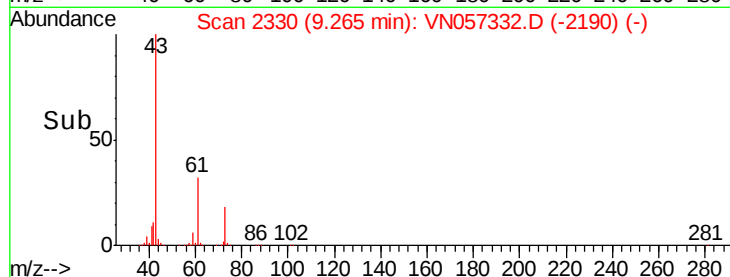
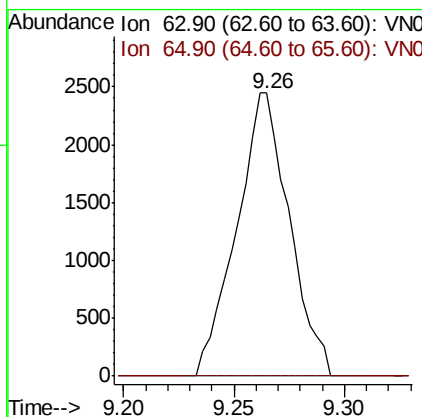
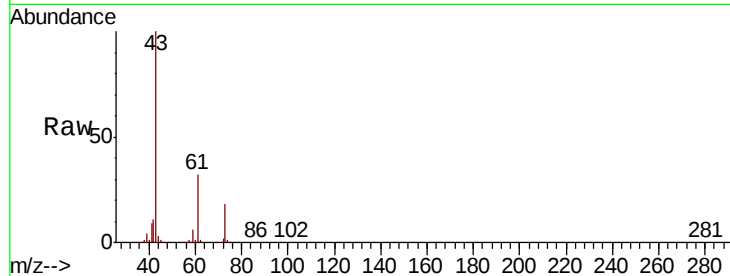




#45
 1,2-Dichloropropane
 Concen: 0.367 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

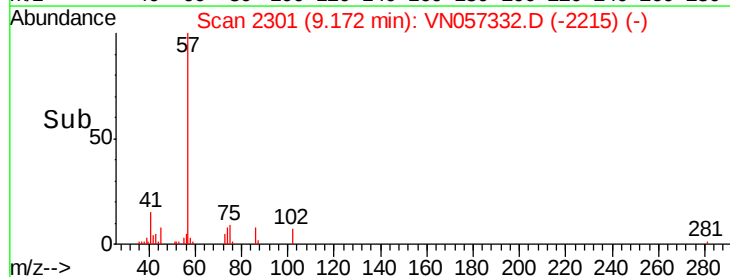
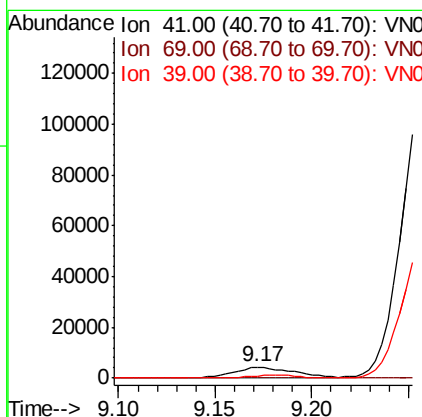
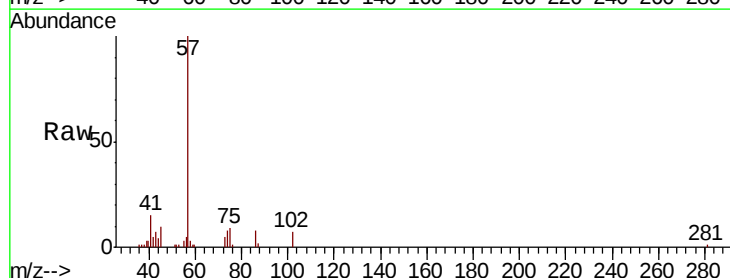
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

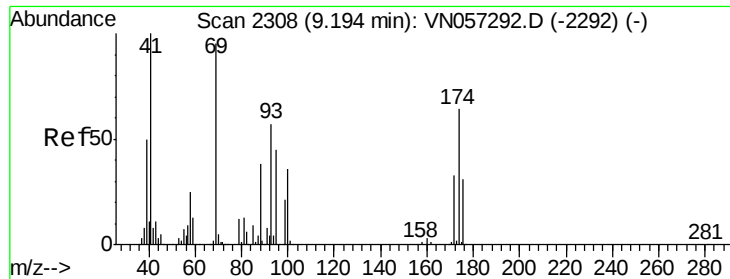
Tgt Ion: 63 Resp: 4066
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 0.987 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion: 41 Resp: 9346
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.9 113.9#
 39 0.0 42.3 63.5#

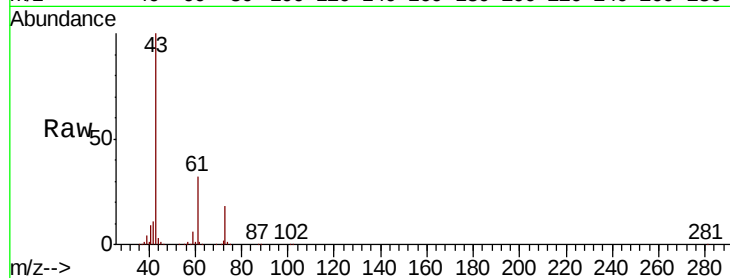




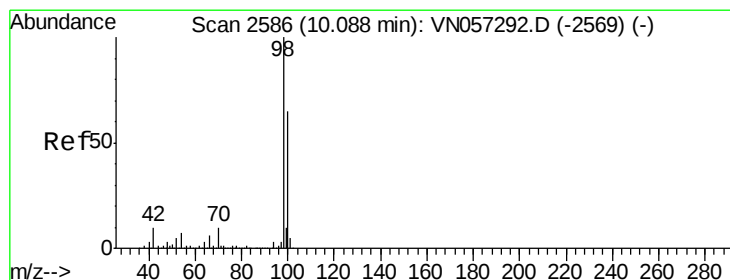
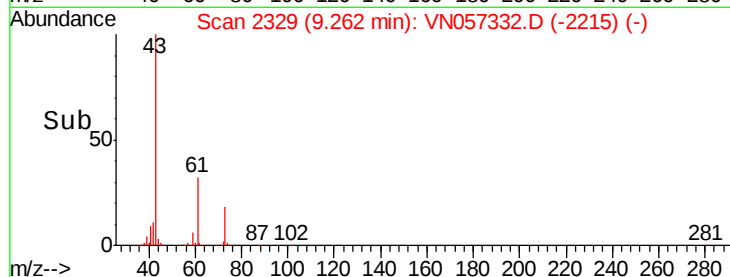
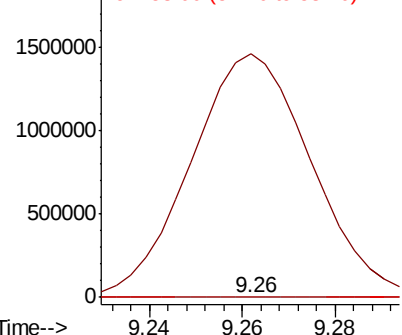
#49
1,4-Dioxane
Concen: 1.807 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.07 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C4-(3)

Tgt Ion: 88 Resp: 360
Ion Ratio Lower Upper
88 100
43 743452.5 22.9 34.3#
58 3168.6 52.7 79.1#

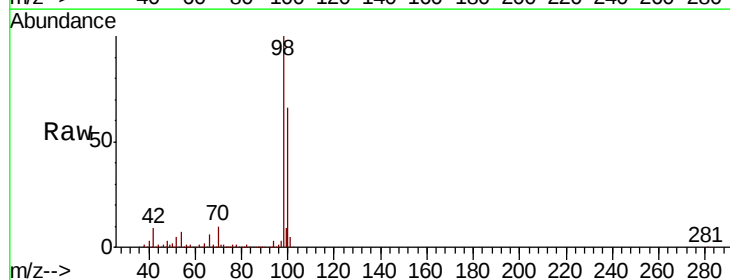


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

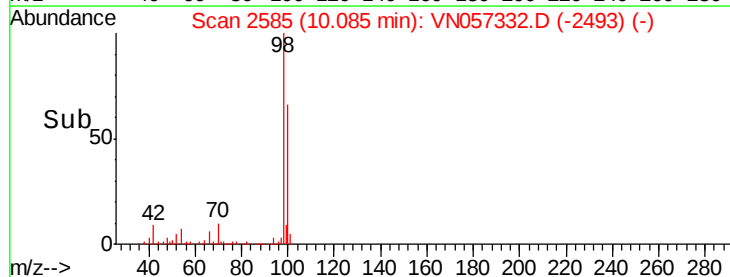
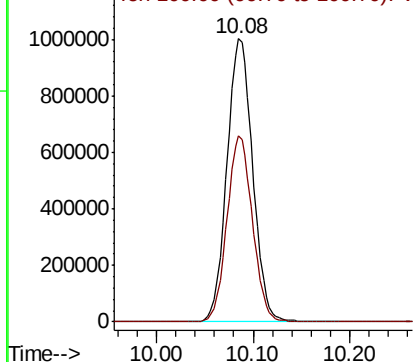


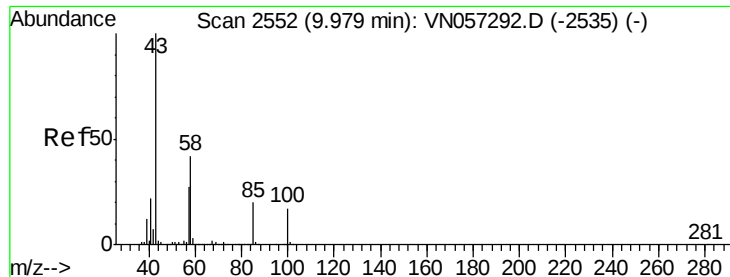
#50
Toluene-d8
Concen: 48.541 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

Tgt Ion: 98 Resp: 1851327
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



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

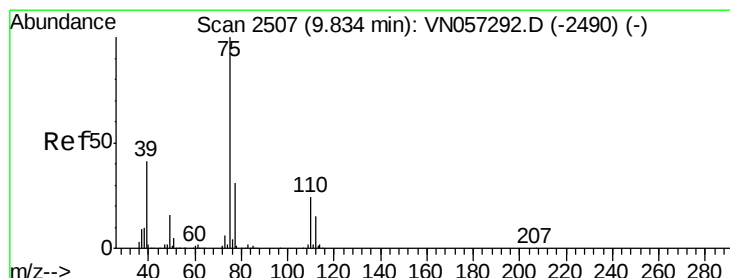
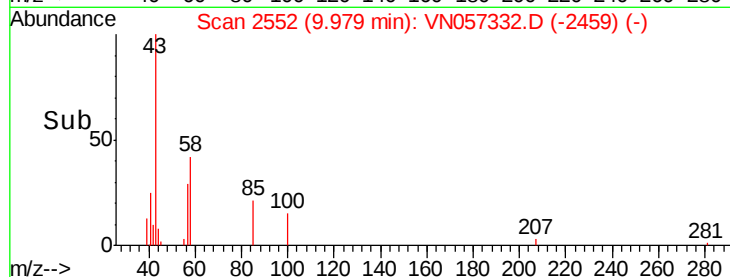
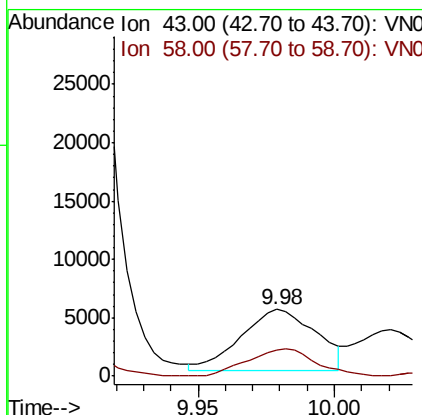
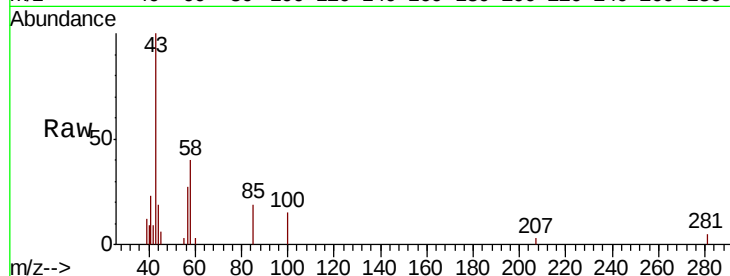




#51
 4-Methyl-2-Pentanone
 Concen: 0.841 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

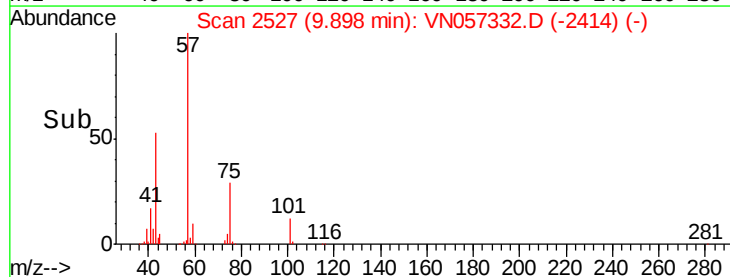
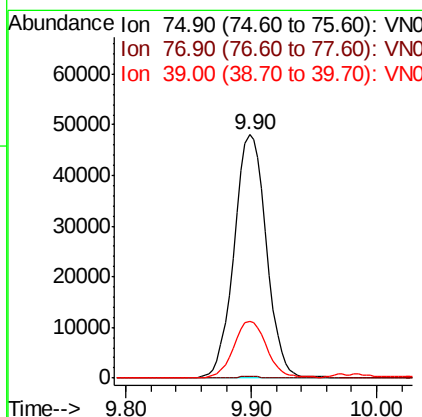
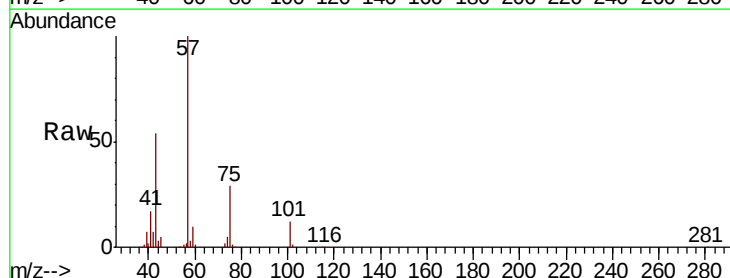
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

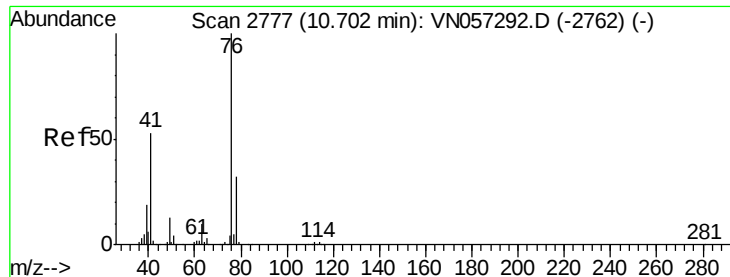
Tgt Ion: 43 Resp: 9977
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.2 49.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.924 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion: 75 Resp: 85963
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 23.4 32.7 49.1#





#57

1,3-Dichloropropane

Concen: 0.789 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

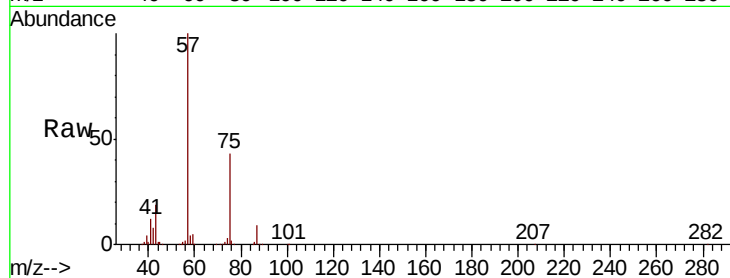
REACTOR-3-C4-(3)

Tgt Ion: 76 Resp: 13858

Ion Ratio Lower Upper

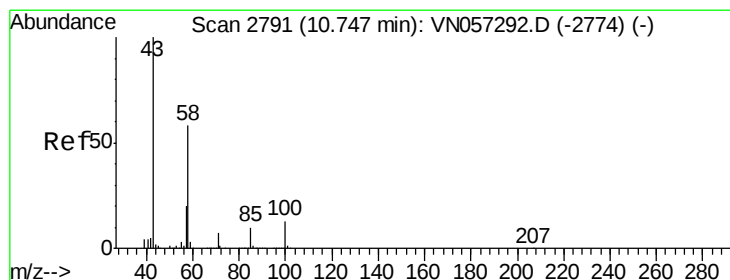
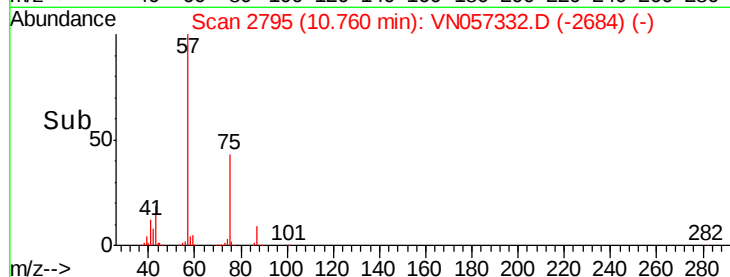
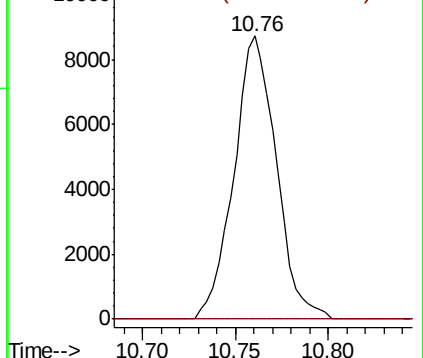
76 100

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: 19.567 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057332.D

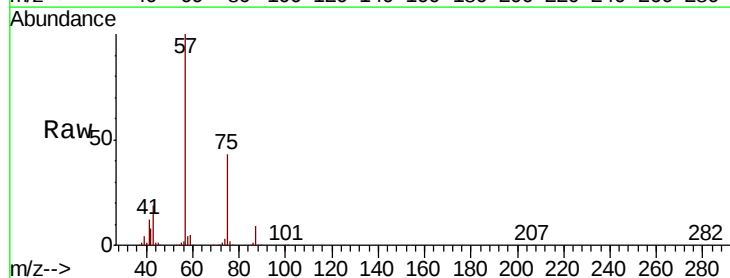
Acq: 15 Aug 2019 15:28

Tgt Ion: 43 Resp: 166948

Ion Ratio Lower Upper

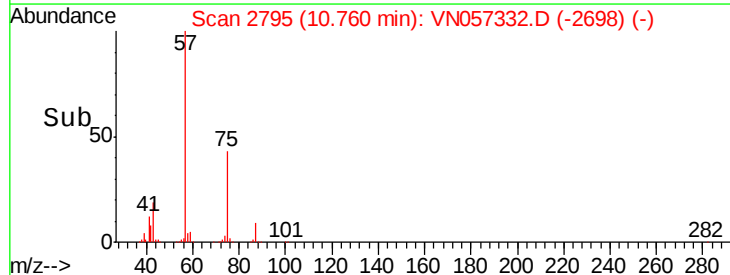
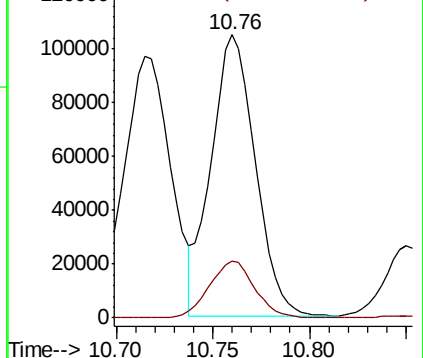
43 100

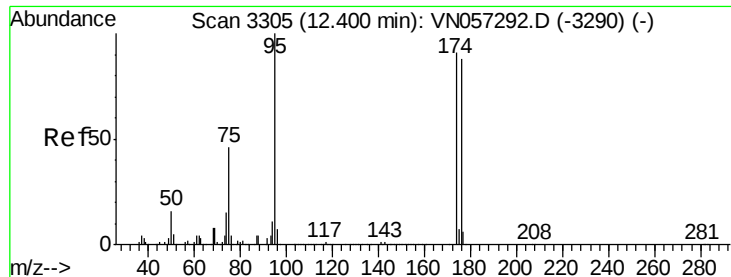
58 20.6 28.6 85.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

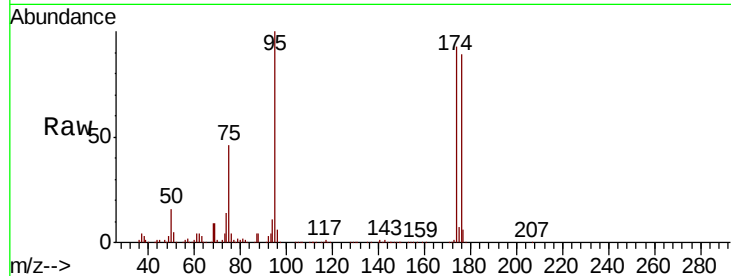




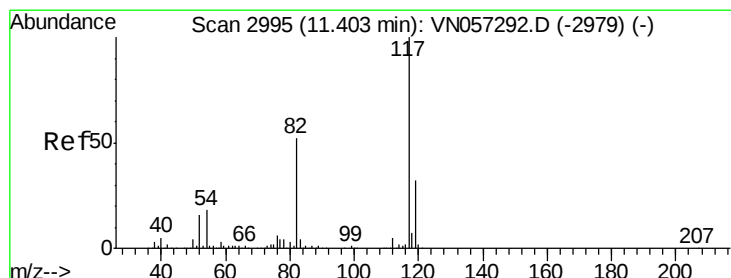
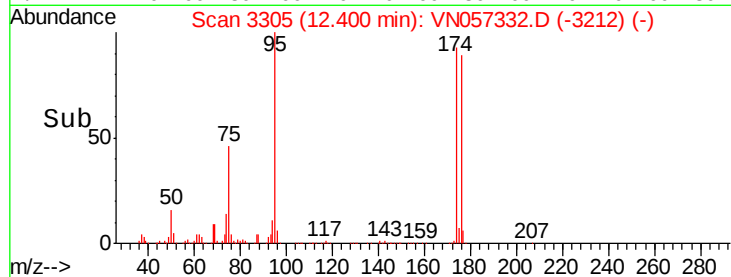
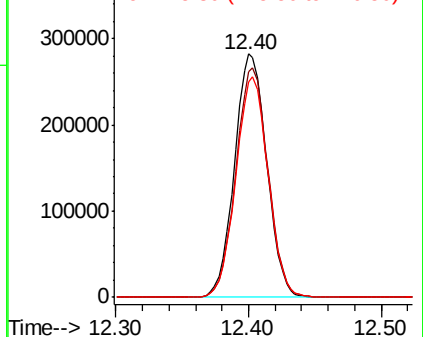
#62
4-Bromofluorobenzene
Concen: 35.184 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C4-(3)

Tgt Ion: 95 Resp: 474214
Ion Ratio Lower Upper
95 100
174 94.5 0.0 185.0
176 91.0 0.0 181.0

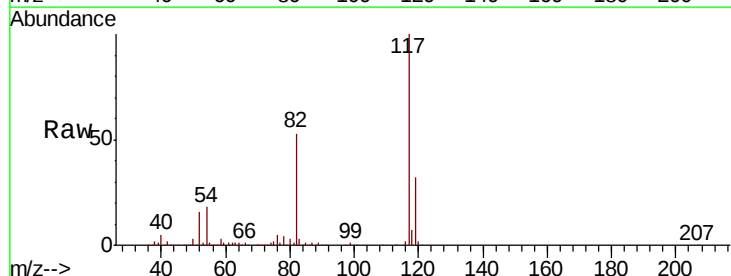


Abundance Ion 94.90 (94.60 to 95.60): VN
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

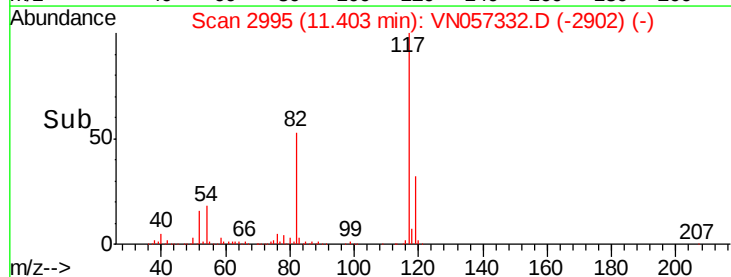
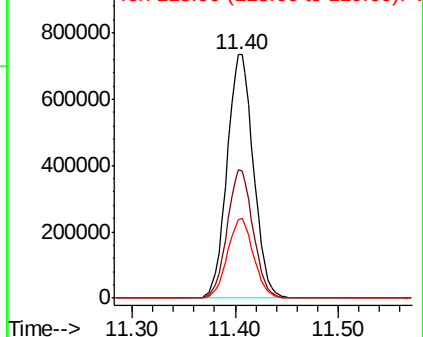


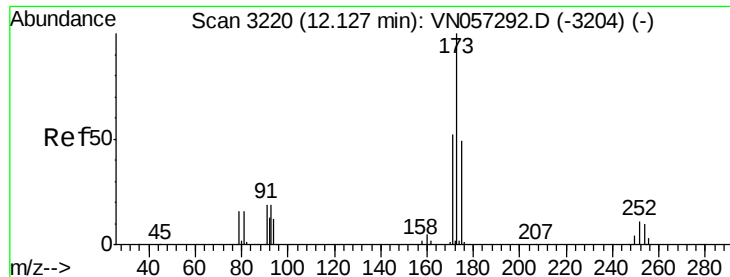
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

Tgt Ion: 117 Resp: 1306295
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 32.2 25.8 38.8



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





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C4-(3)

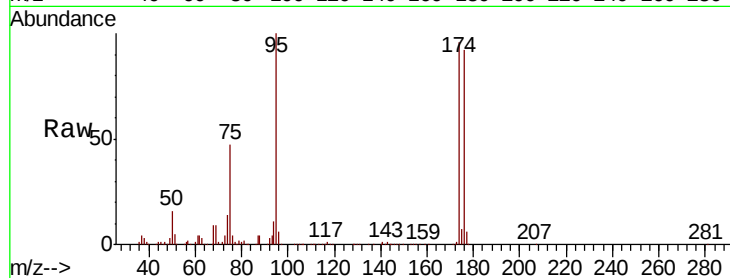
Tgt Ion:173 Resp: 4047

Ion Ratio Lower Upper

173 100

175 725.7 24.2 72.6#

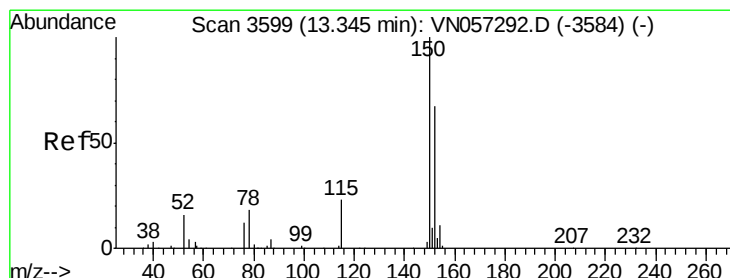
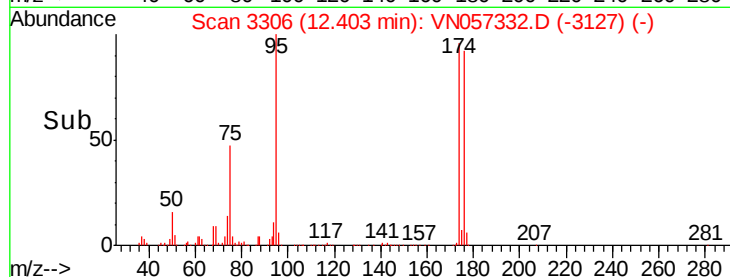
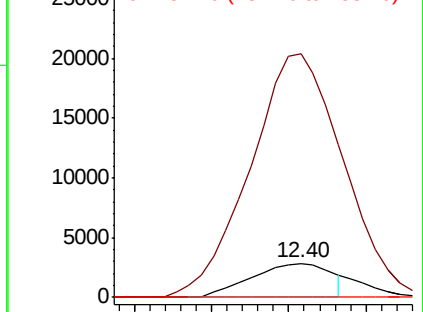
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

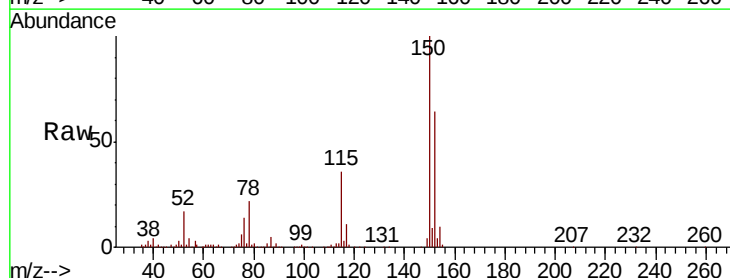
Tgt Ion:152 Resp: 323047

Ion Ratio Lower Upper

152 100

115 55.7 27.3 81.9

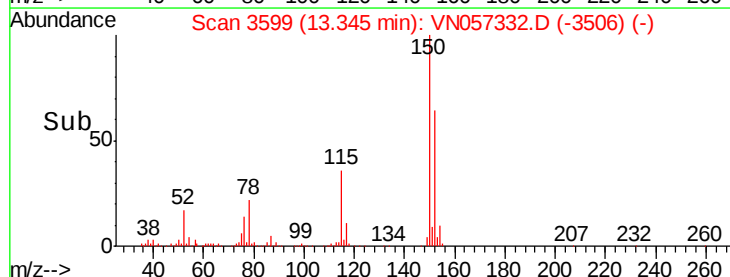
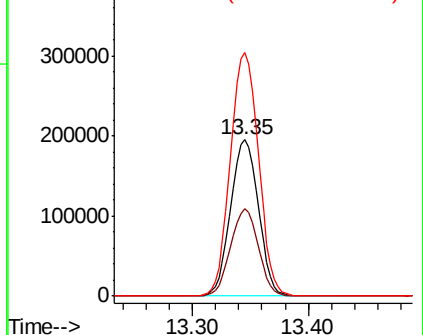
150 158.0 0.0 344.4

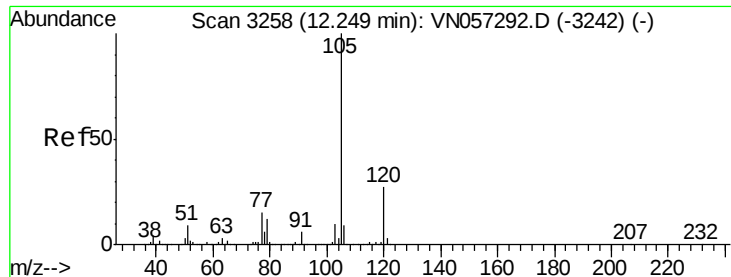


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

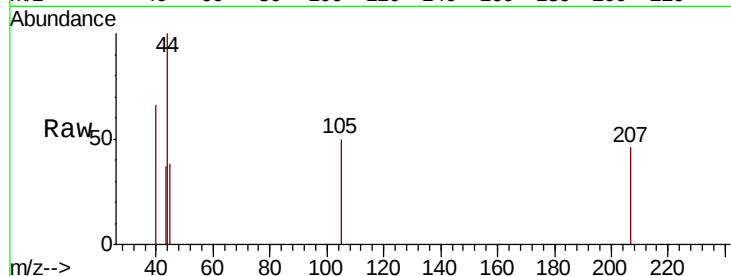
REACTOR-3-C4-(3)

Tgt Ion: 105 Resp: 411

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

400

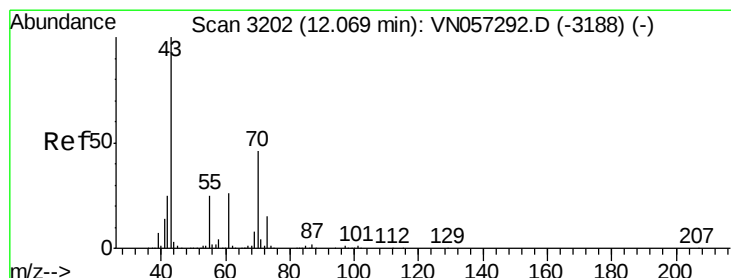
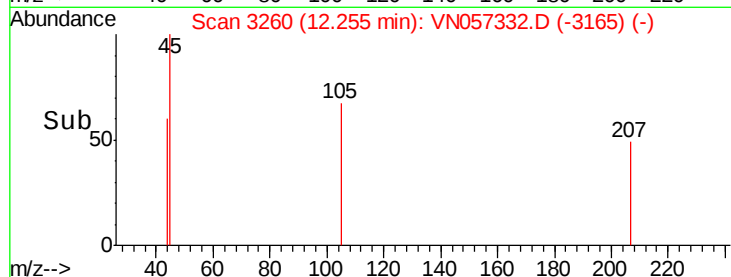
300

200

100

0

Time--> 12.22 12.24 12.26



#74

N-ethyl acetate

Concen: 0.627 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Tgt Ion: 43 Resp: 5882

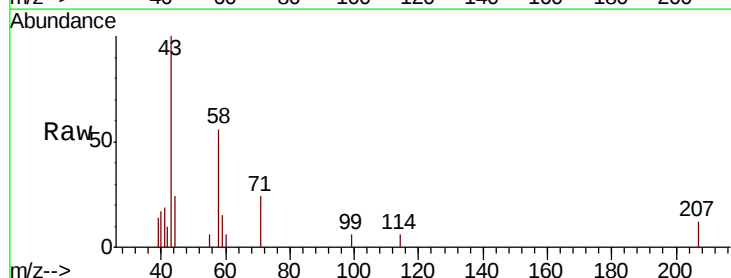
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 1.9 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

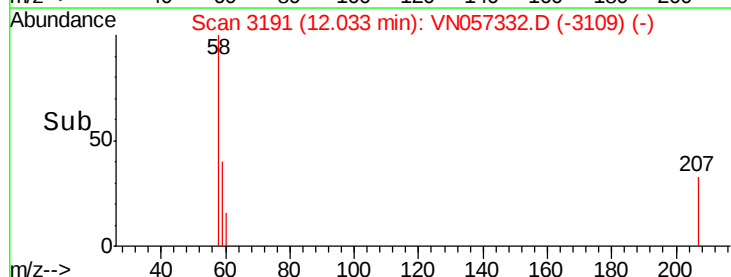
3000

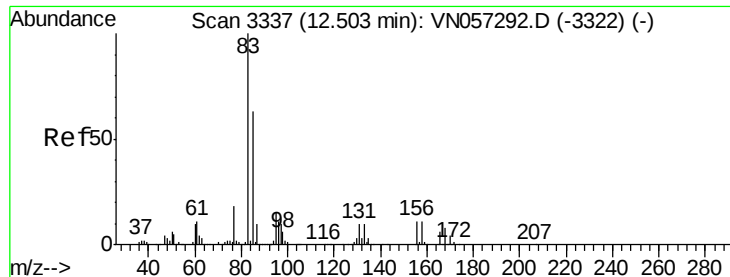
2000

1000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C4-(3)

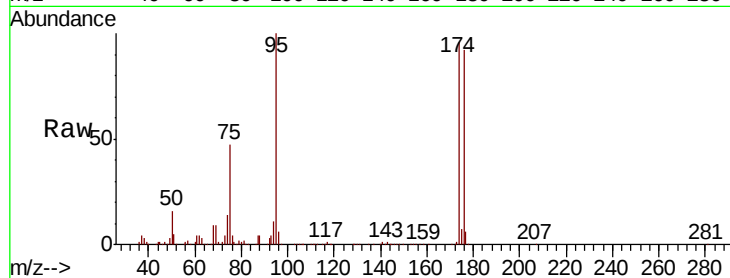
Tgt Ion: 83 Resp: 133

Ion Ratio Lower Upper

83 100

131 452.6 5.4 16.2#

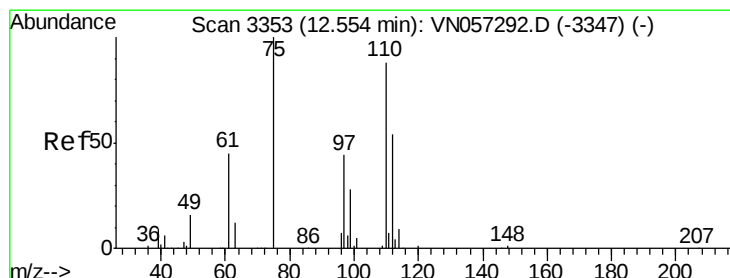
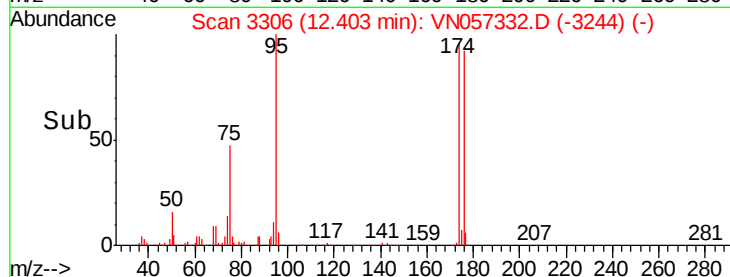
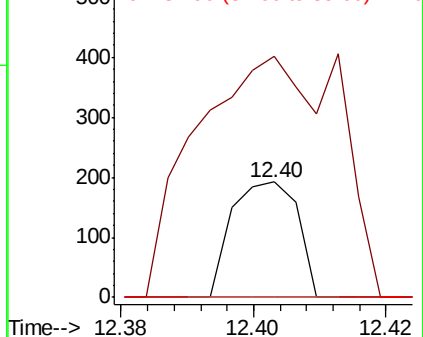
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.739 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057332.D

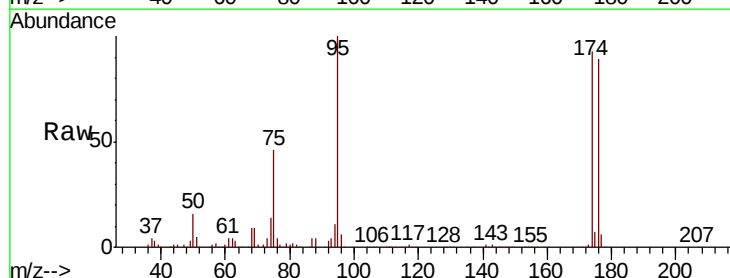
Acq: 15 Aug 2019 15:28

Tgt Ion: 75 Resp: 218472

Ion Ratio Lower Upper

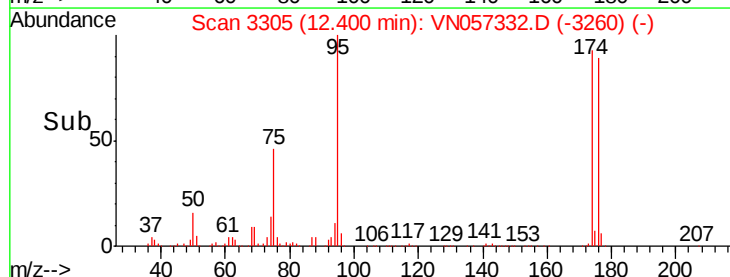
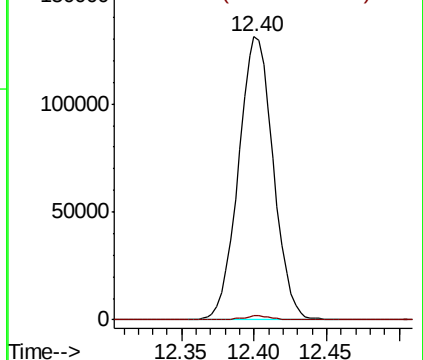
75 100

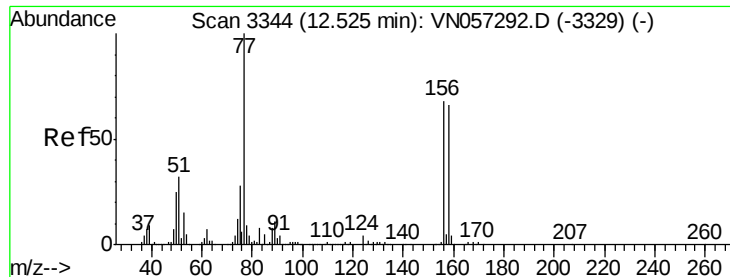
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Instrument :

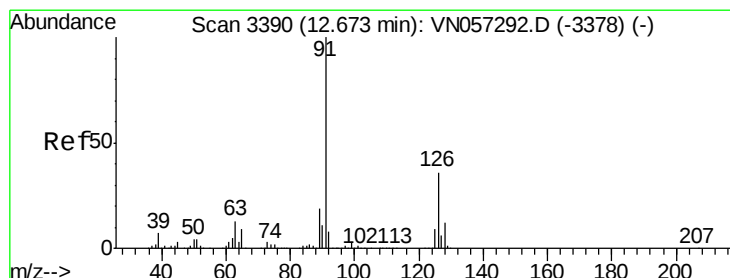
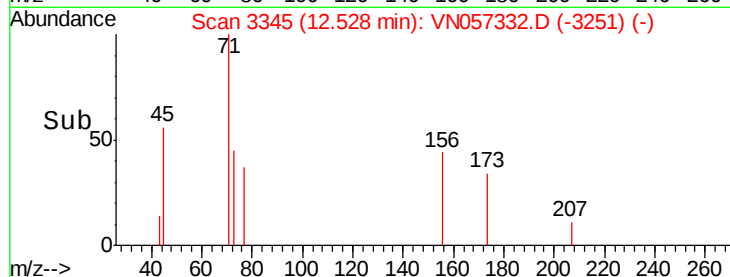
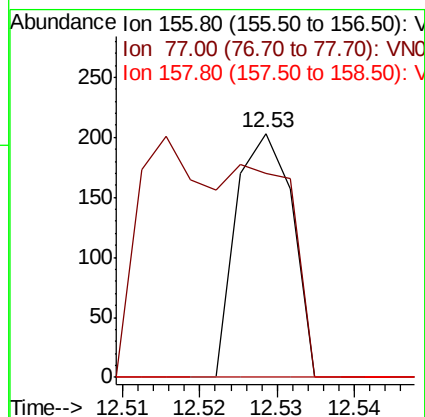
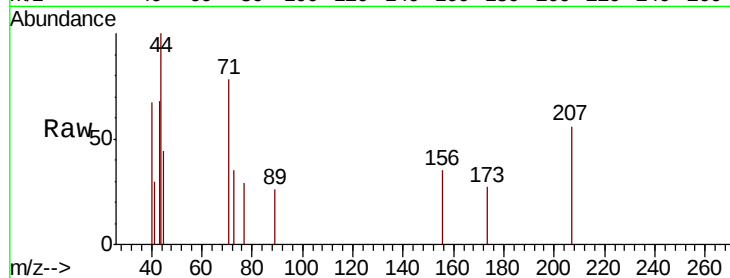
MSVOA_N

ClientSampleId :

REACTOR-3-C4-(3)

Tgt Ion: 156 Resp: 102

Ion	Ratio	Lower	Upper
156	100		
77	131.4	89.8	269.6
158	0.0	49.3	147.8



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

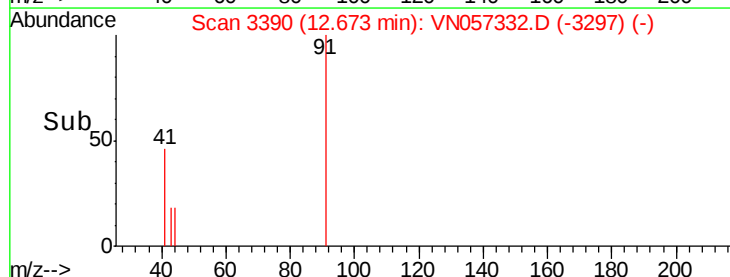
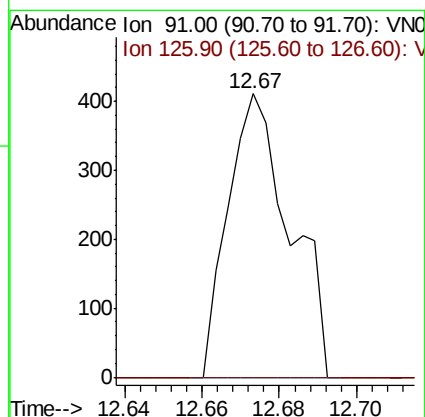
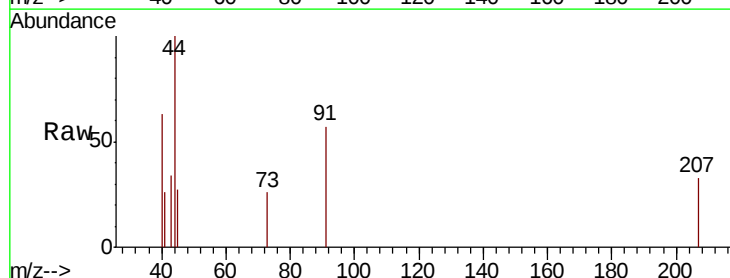
Delta R.T. -0.00 min

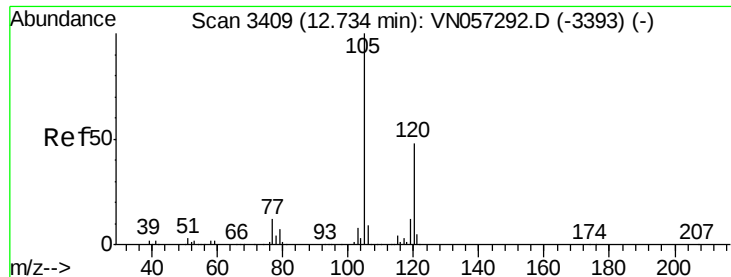
Lab File: VN057332.D

Acq: 15 Aug 2019 15:28

Tgt Ion: 91 Resp: 457

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.1	54.1

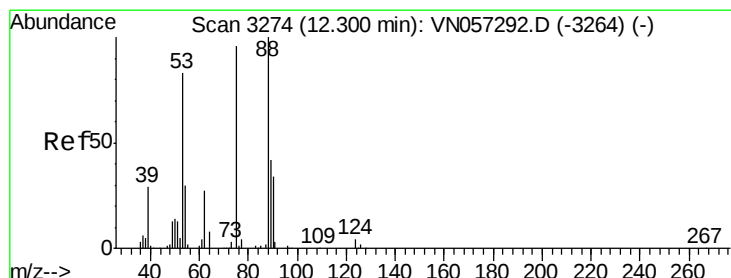
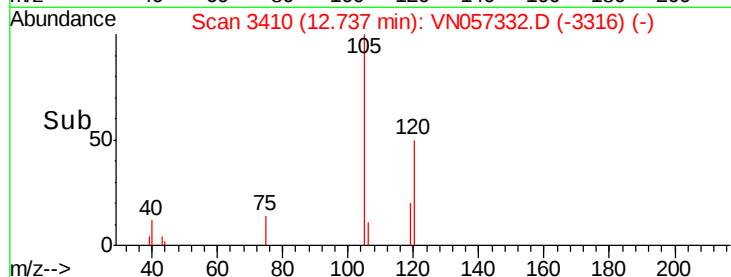
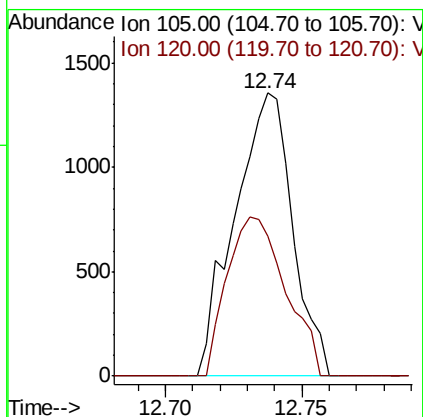
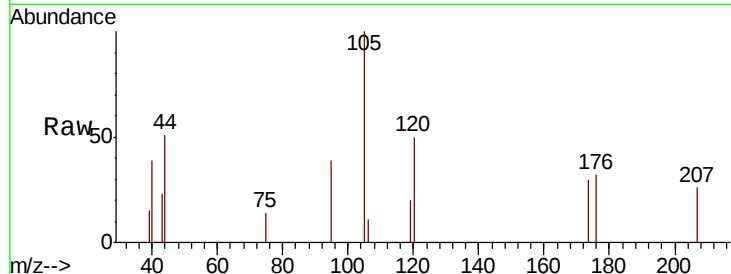




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

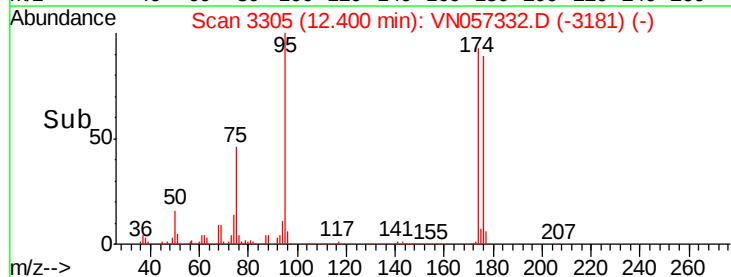
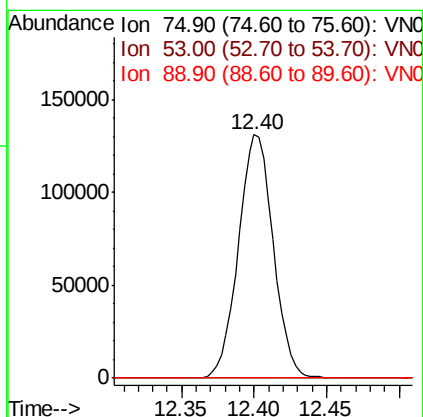
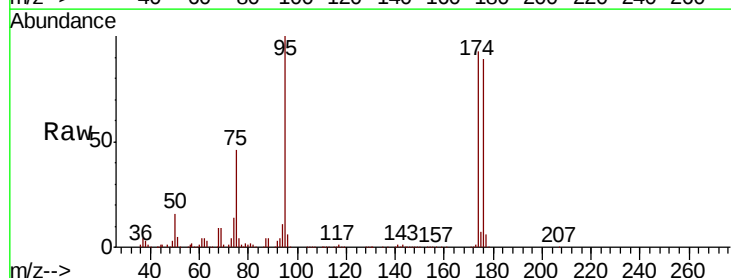
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

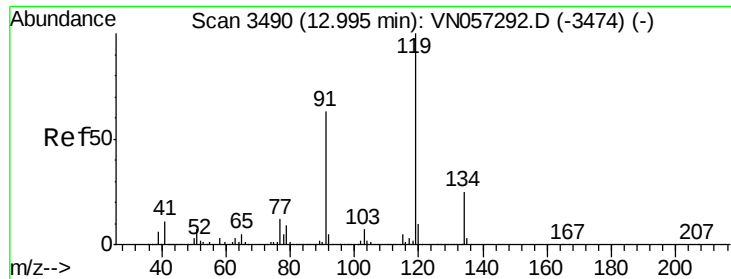
Tgt Ion: 105 Resp: 1988
 Ion Ratio Lower Upper
 105 100
 120 57.2 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.465 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion: 75 Resp: 218472
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#

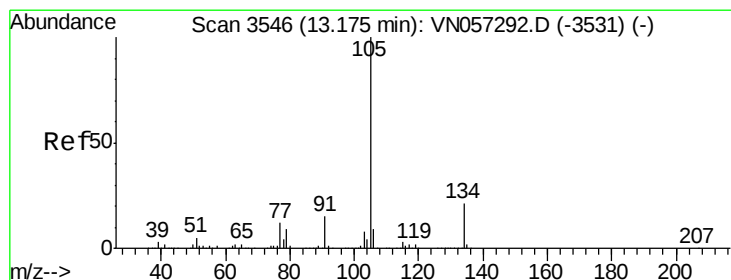
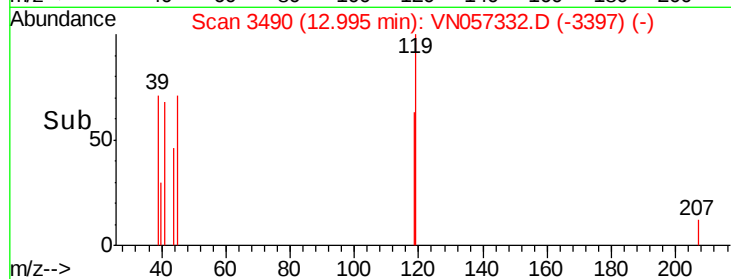
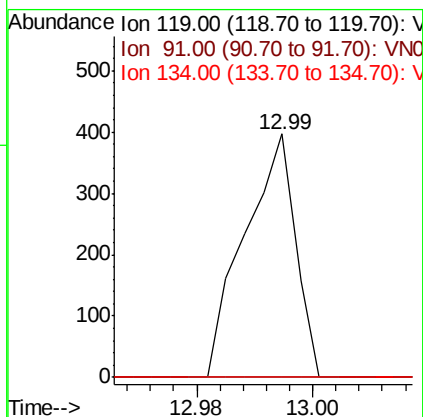
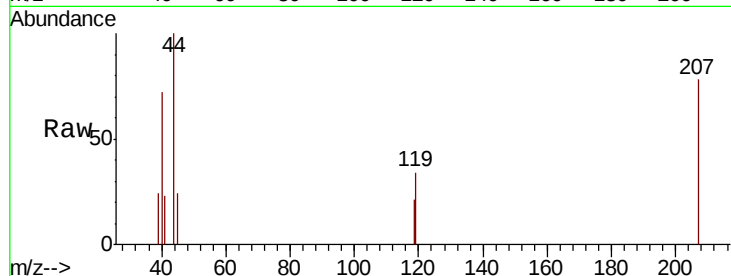




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

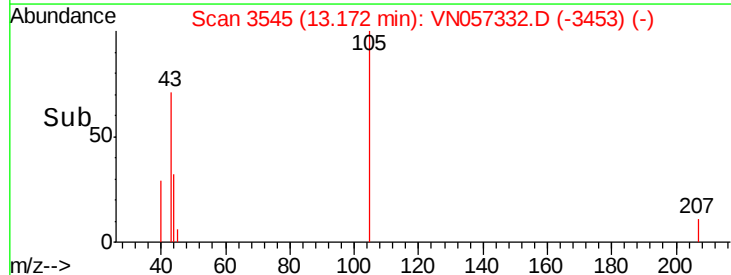
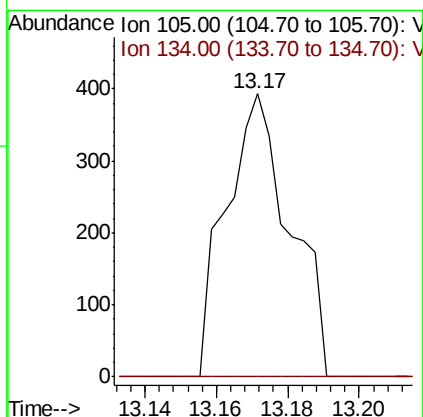
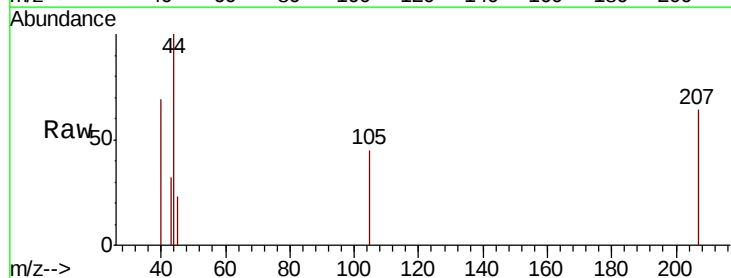
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C4(3)

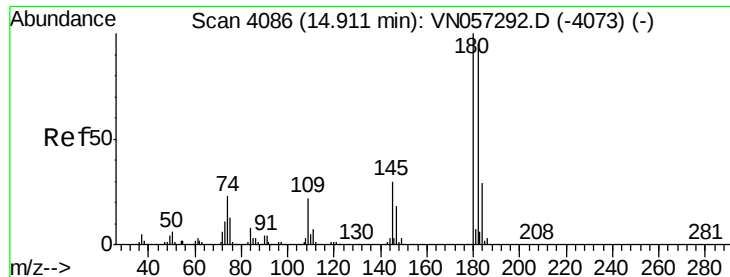
Tgt Ion:119 Resp: 242
Ion Ratio Lower Upper
119 100
91 0.0 31.3 93.8#
134 0.0 13.1 39.1#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN057332.D
Acq: 15 Aug 2019 15:28

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

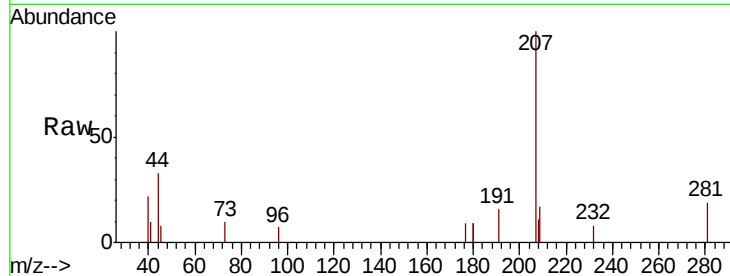




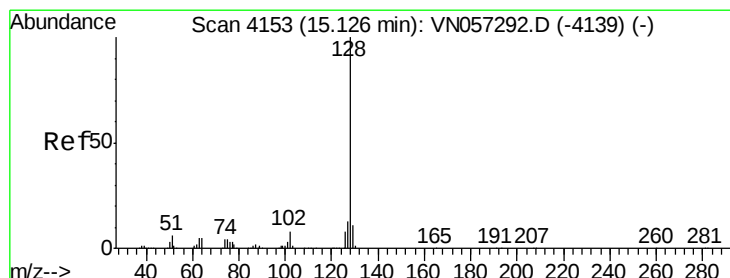
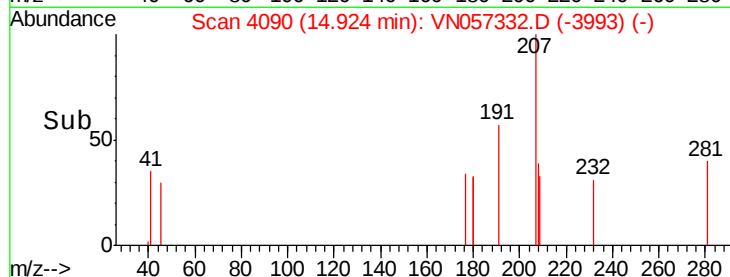
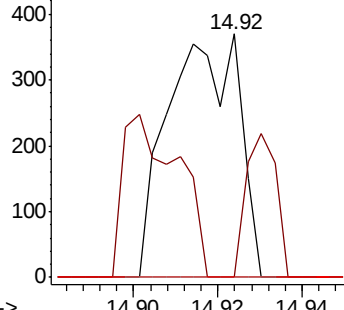
#93
 1,2,4-Trichlorobenzene
 Concen: 5.446 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

Tgt Ion:180 Resp: 427
 Ion Ratio Lower Upper
 180 100
 182 25.5 48.0 144.2#
 145 0.0 14.5 43.6#

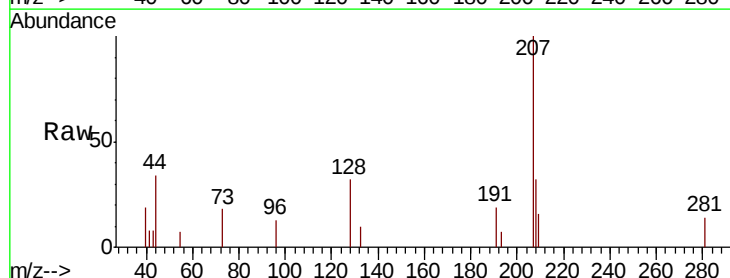


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

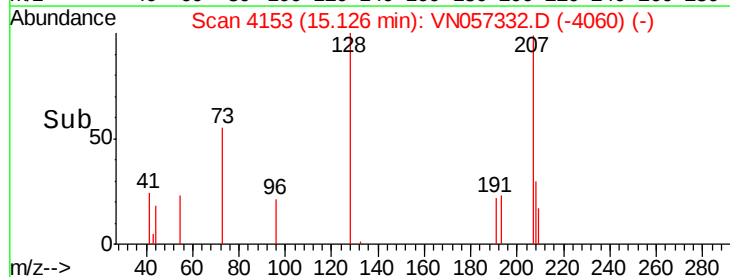
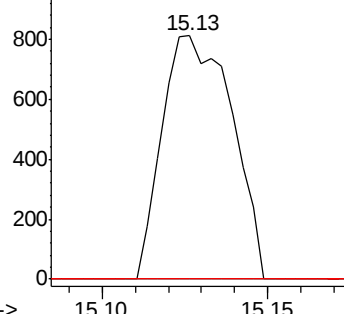


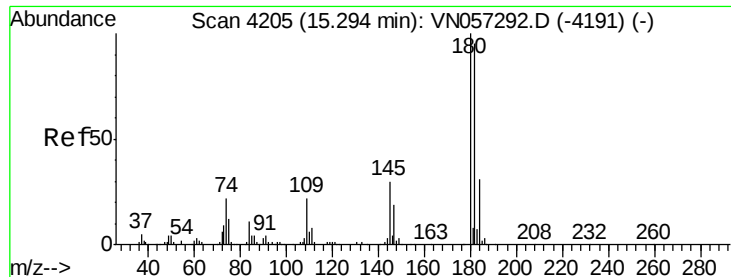
#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4153
 Delta R.T. 0.00 min
 Lab File: VN057332.D
 Acq: 15 Aug 2019 15:28

Tgt Ion:128 Resp: 1193
 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: VN057332.D
 Acq: 15 Aug 2019 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C4-(3)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	60.7	47.9	143.6
145	4.8	15.1	45.3

