

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057365.D
 Acq On : 16 Aug 2019 19:59
 Operator : JC/SP
 Sample : K4265-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-B-(0)

Quant Time: Aug 17 03:45:33 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	1138499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1586762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344213	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	521279	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	
35) Dibromofluoromethane	7.58	113	474701	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
50) Toluene-d8	10.09	98	1836282	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	485407	36.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.20%	

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.72	59	4300	2.444	ug/l #	73
13) Acrolein	3.62	56	237	0.222	ug/l #	14
16) Acetone	3.81	43	18556	4.322	ug/l #	87
18) Methyl Acetate	4.32	43	20093	Below Cal		96
20) Methylene Chloride	4.55	84	23607	1.965	ug/l	95
25) 2-Butanone	6.84	43	2245	0.361	ug/l	95
29) Tetrahydrofuran	7.20	42	853	0.217	ug/l #	73
31) Cyclohexane	7.66	56	17102	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	67754	4.836	ug/l #	48
38) Carbon Tetrachloride	7.66	117	97179	6.676	ug/l #	16
43) Isopropyl Acetate	8.16	43	160442	6.668	ug/l	93
45) 1,2-Dichloropropane	9.26	63	3317	0.300	ug/l #	44
48) Methyl methacrylate	9.18	41	9010	0.954	ug/l #	11
49) 1,4-Dioxane	9.27	88	521	2.622	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	10525	0.889	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	81498	4.680	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	12335	0.704	ug/l #	43
59) 2-Hexanone	10.76	43	160161	18.819	ug/l #	51
73) Isopropylbenzene	12.25	105	934	Below Cal	#	49
74) N-amyl acetate	12.03	43	4744	0.475	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.40	83	173	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	227046	32.860	ug/l #	100
77) Bromobenzene	12.52	156	531	Below Cal	#	37
79) 2-Chlorotoluene	12.67	91	883	Below Cal		74
80) 1,3,5-Trimethylbenzene	12.73	105	3191	Below Cal		92
81) trans-1,4-Dichloro-2-buten	12.40	75	227046	80.431	ug/l #	15
83) tert-Butylbenzene	12.99	119	256	Below Cal	#	1
85) sec-Butylbenzene	13.17	105	1737	Below Cal	#	64
90) Hexachloroethane	13.63	117	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1190	5.592	ug/l #	89
94) Hexachlorobutadiene	15.01	225	627	Below Cal	#	67
95) Naphthalene	15.13	128	1875	Below Cal	#	73
96) 1,2,3-Trichlorobenzene	15.30	180	1426	Below Cal		97

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QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

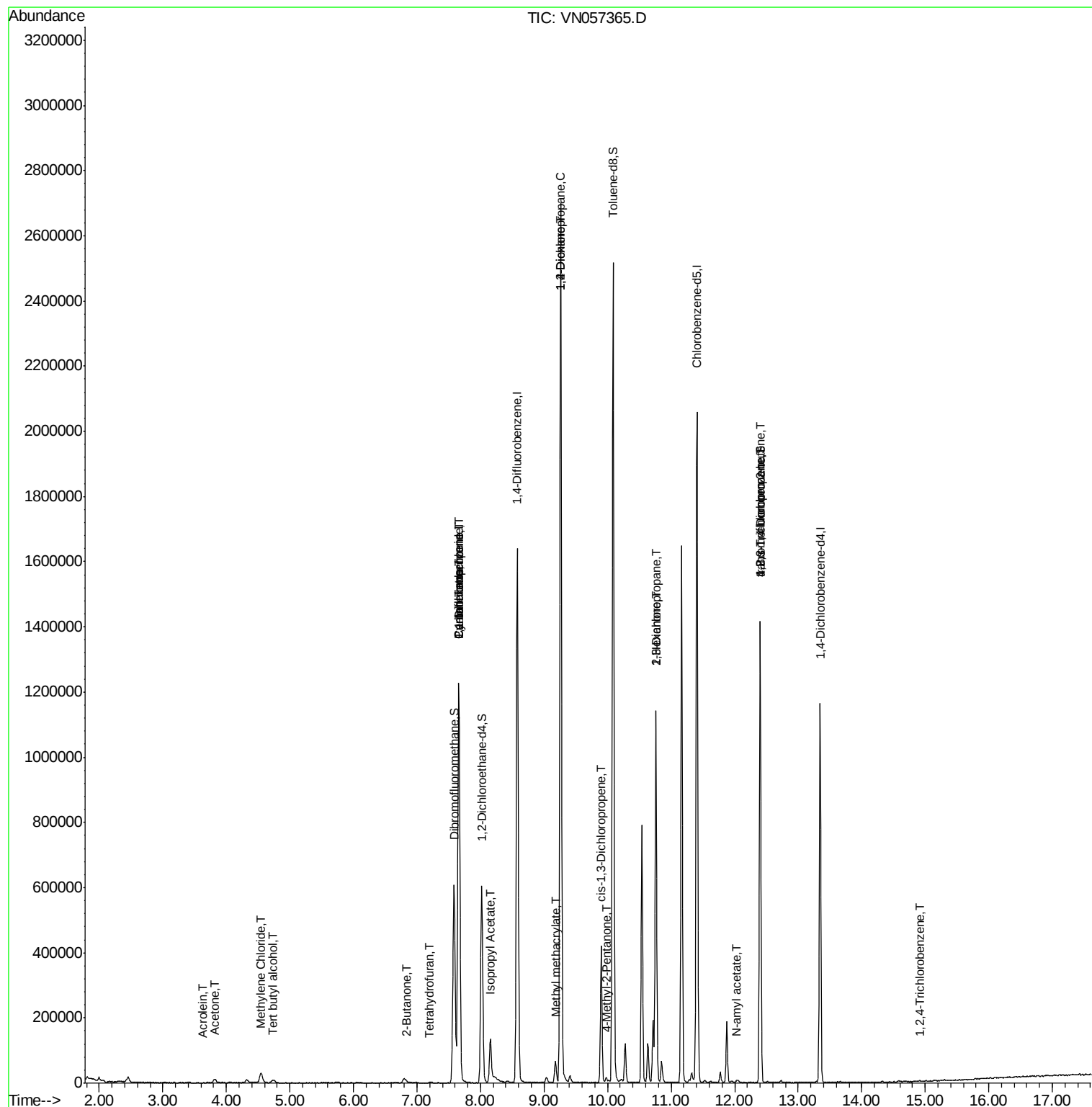
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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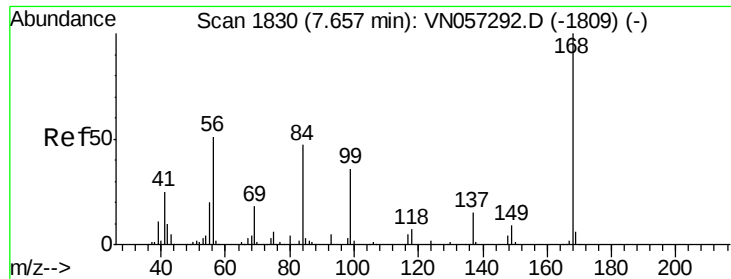
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
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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: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

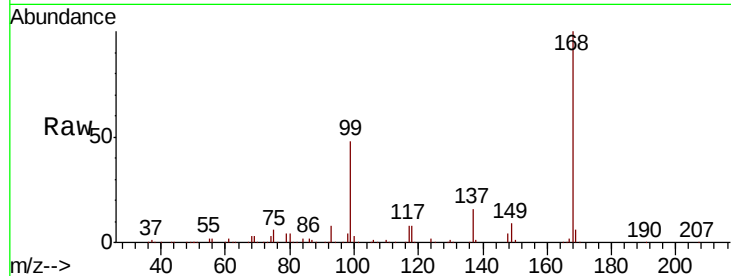
REACTOR-4-B-(0)

Tgt Ion:168 Resp: 1138499

Ion Ratio Lower Upper

168 100

99 47.5 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

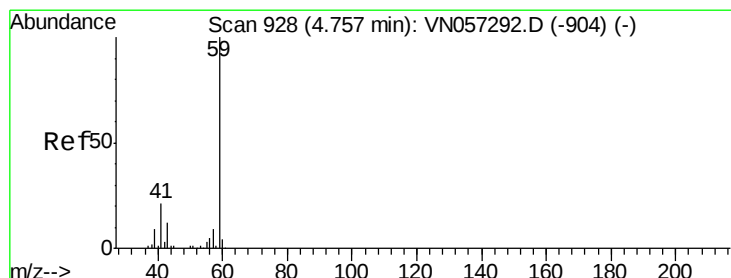
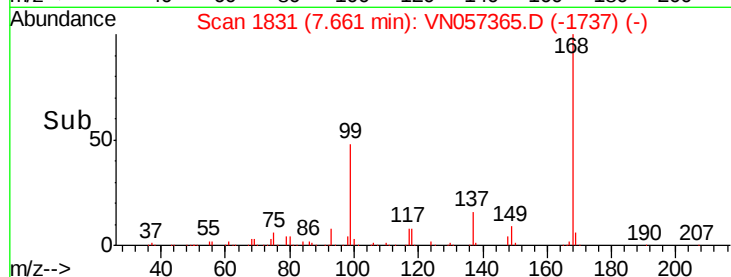
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 2.444 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.04 min

Lab File: VN057365.D

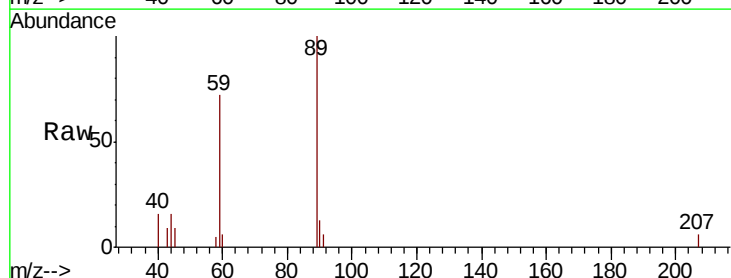
Acq: 16 Aug 2019 19:59

Tgt Ion: 59 Resp: 4300

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) (-)

4.72

2500

2000

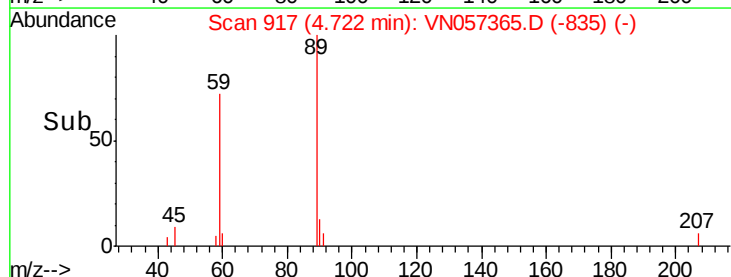
1500

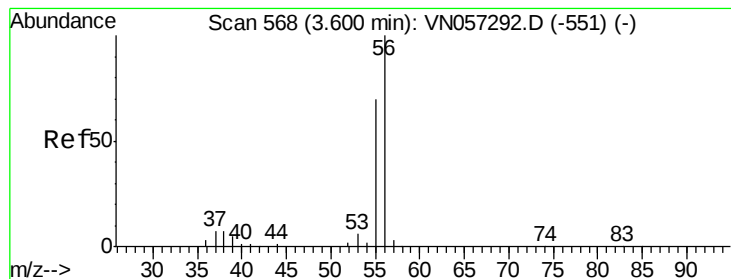
1000

500

0

Time--> 4.65 4.70 4.75





#13

Acrolein

Concen: 0.222 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

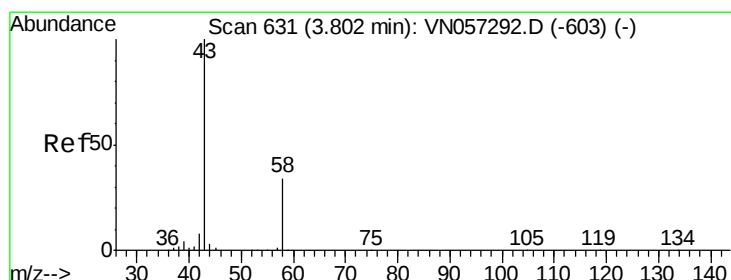
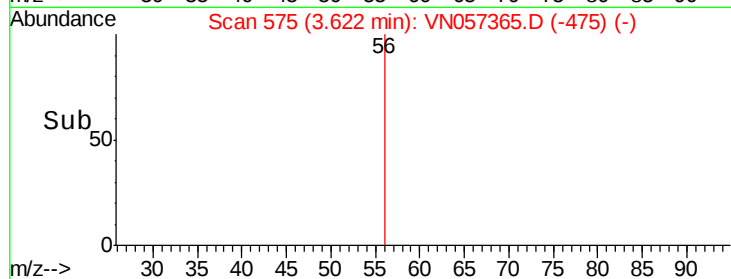
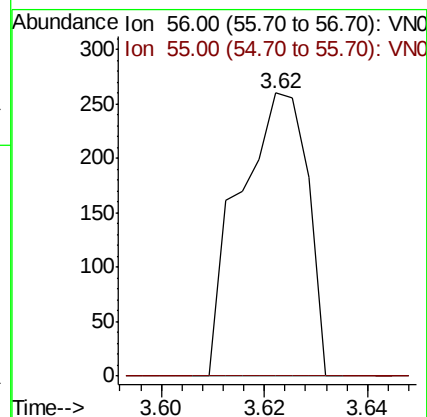
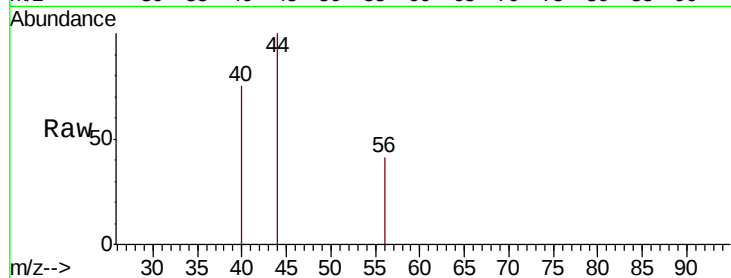
REACTOR-4-B-(0)

Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#16

Acetone

Concen: 4.322 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057365.D

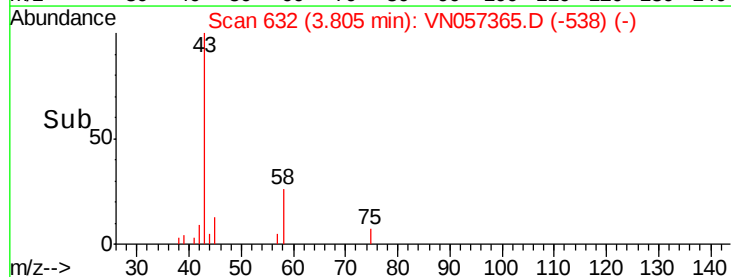
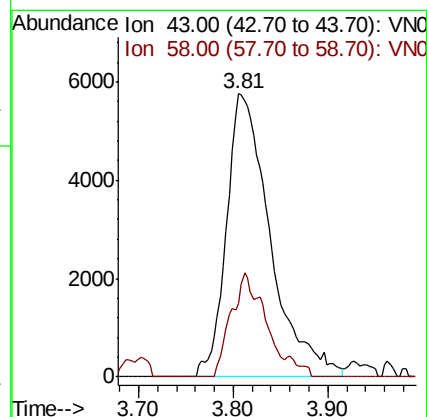
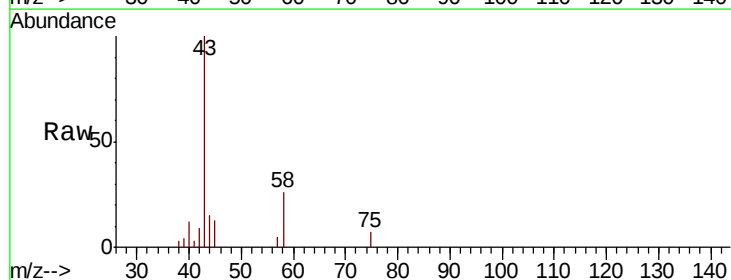
Acq: 16 Aug 2019 19:59

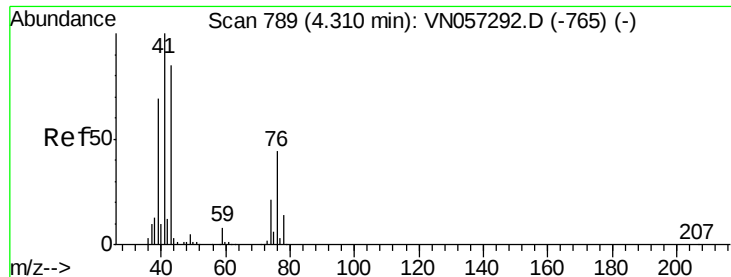
Tgt Ion: 43 Resp: 18556

Ion Ratio Lower Upper

43 100

58 26.2 27.0 40.6#

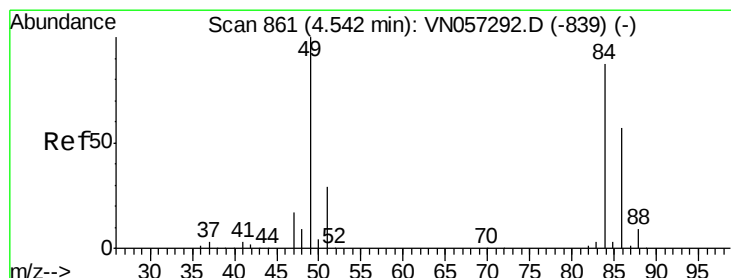
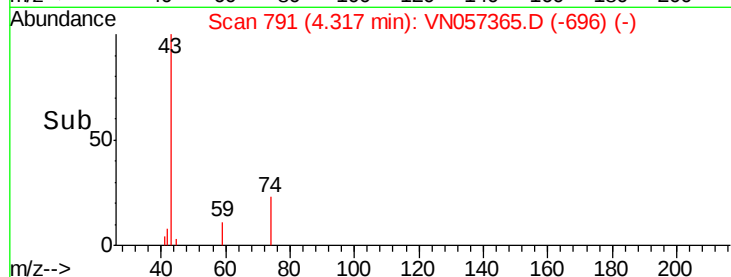
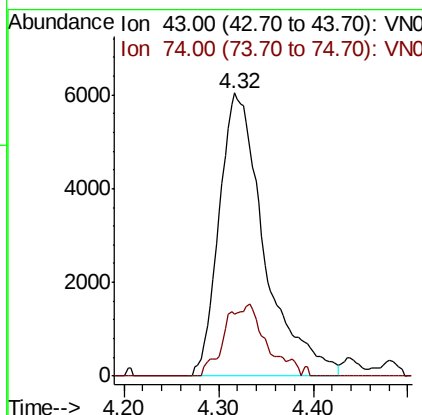
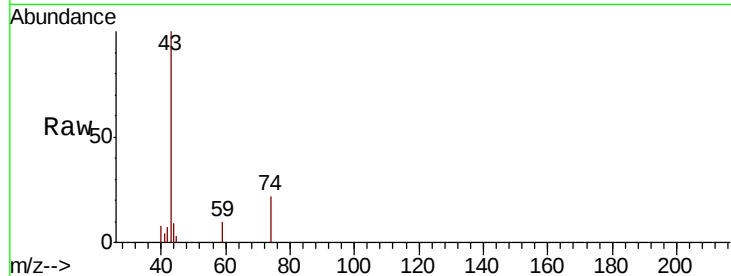




#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

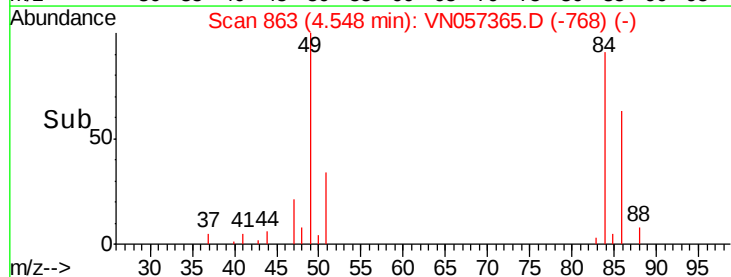
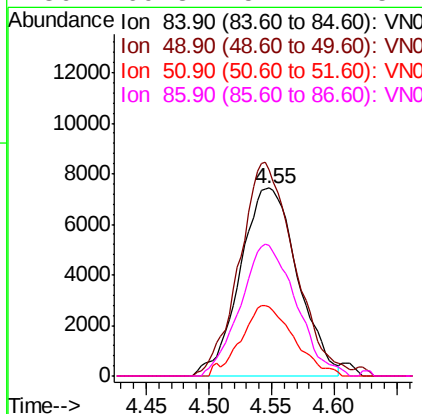
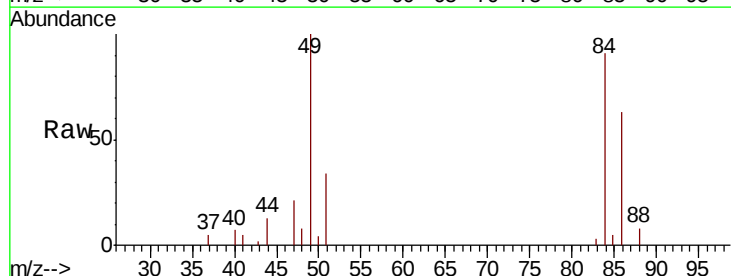
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-B-(0)

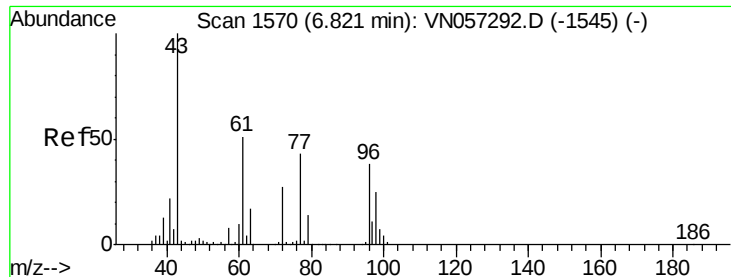
Tgt Ion: 43 Resp: 20093
Ion Ratio Lower Upper
43 100
74 23.4 20.2 30.2



#20
Methylene Chloride
Concen: 1.965 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Tgt Ion: 84 Resp: 23607
Ion Ratio Lower Upper
84 100
49 110.0 92.0 138.0
51 37.0 27.1 40.7
86 69.3 52.2 78.2





#25

2-Butanone

Concen: 0.361 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampled :

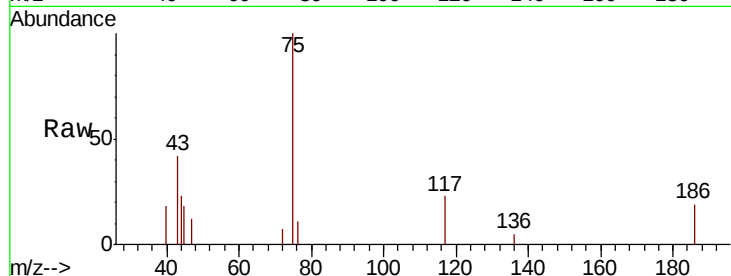
REACTOR-4-B-(0)

Tgt Ion: 43 Resp: 2245

Ion Ratio Lower Upper

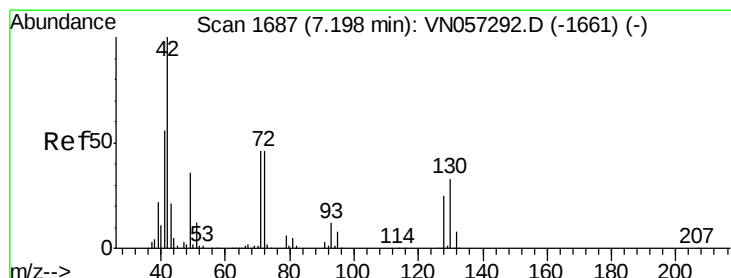
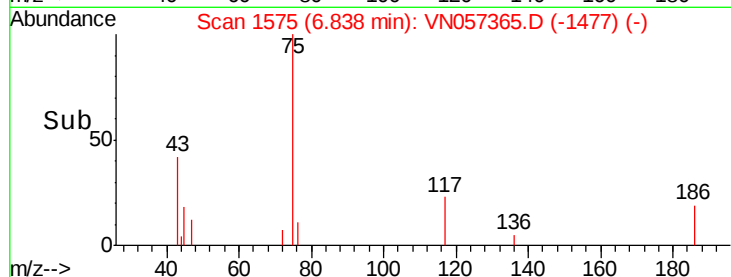
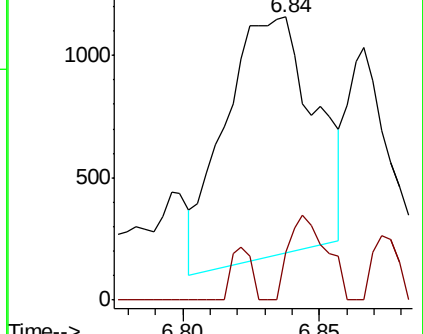
43 100

72 24.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

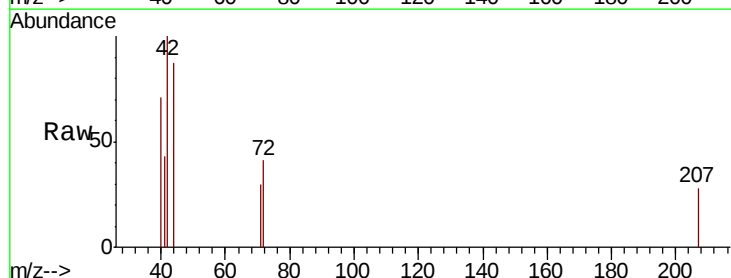
Tgt Ion: 42 Resp: 853

Ion Ratio Lower Upper

42 100

72 31.1 37.8 56.6#

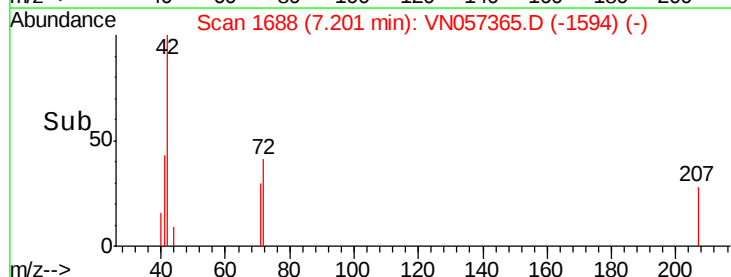
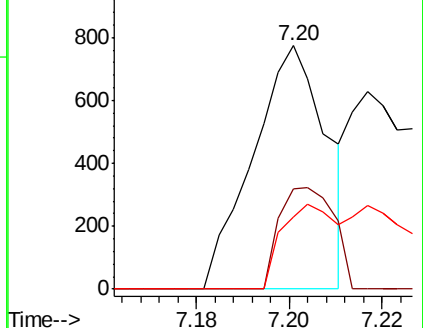
71 25.6 35.7 53.5#

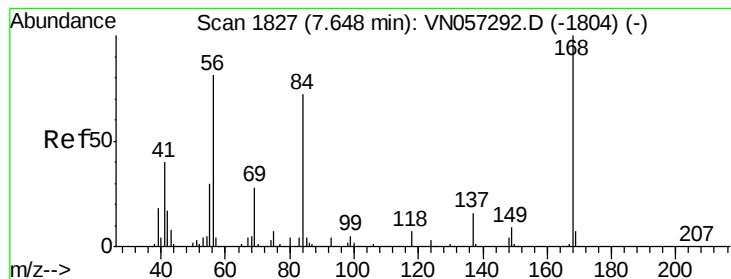


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057365.D

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REACTOR-4-B-(0)

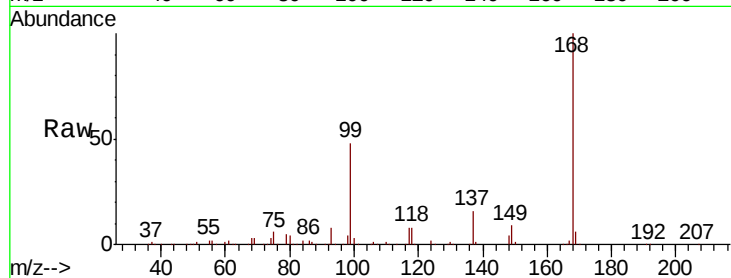
Tgt Ion: 56 Resp: 17102

Ion Ratio Lower Upper

56 100

69 188.6 27.3 40.9#

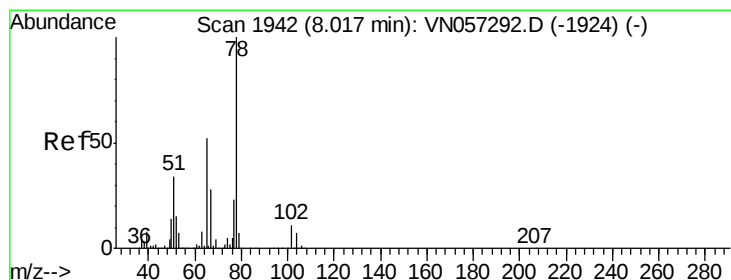
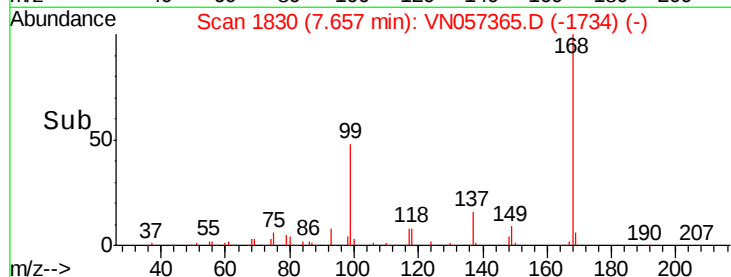
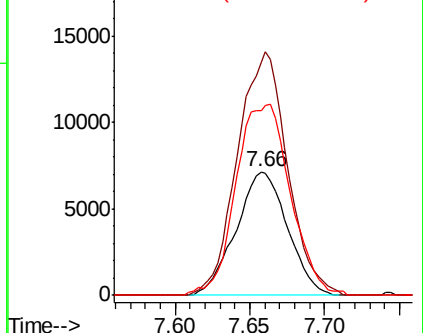
84 146.5 71.0 106.6#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 42.118 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057365.D

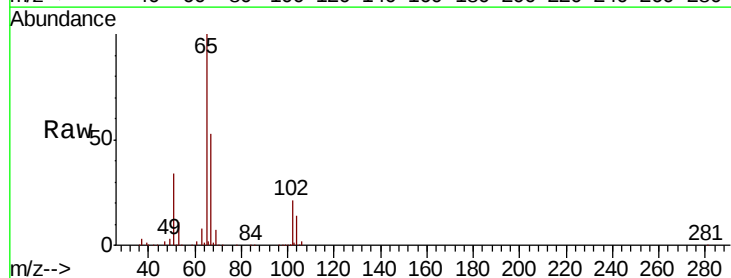
Acq: 16 Aug 2019 19:59

Tgt Ion: 65 Resp: 521279

Ion Ratio Lower Upper

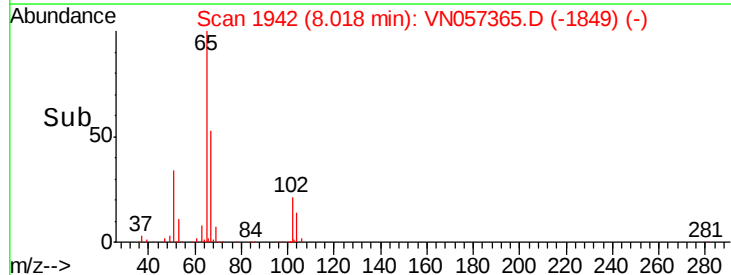
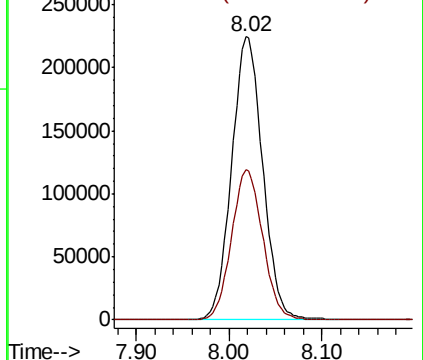
65 100

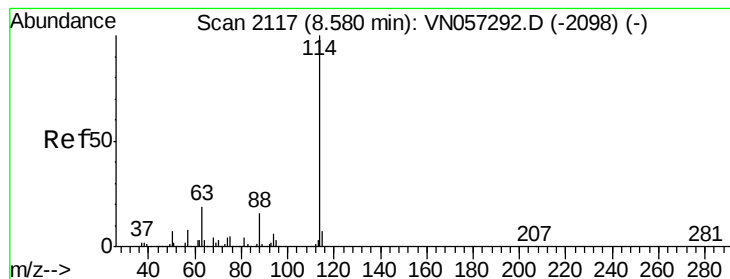
67 53.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057365.D

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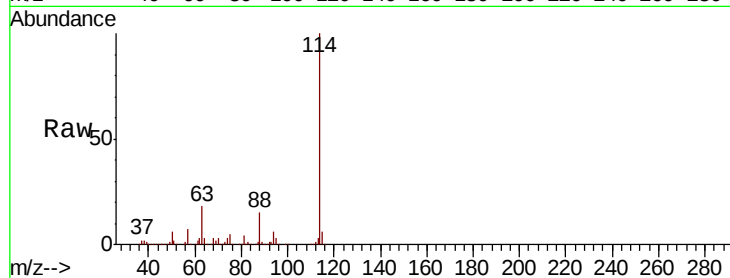
Tgt Ion:114 Resp: 1586762

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.8

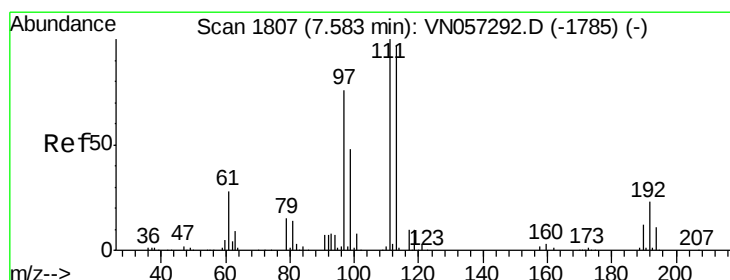
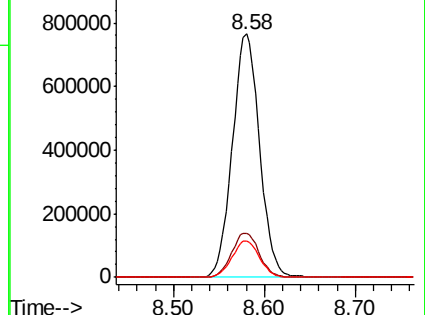
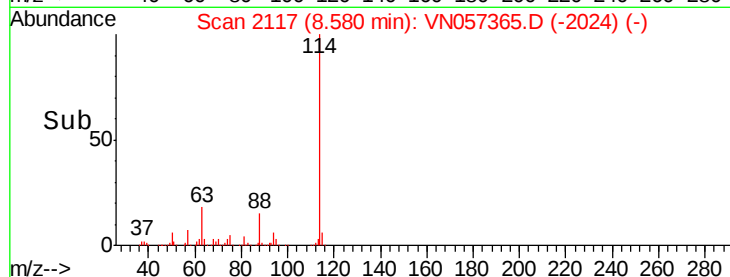
88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.638 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

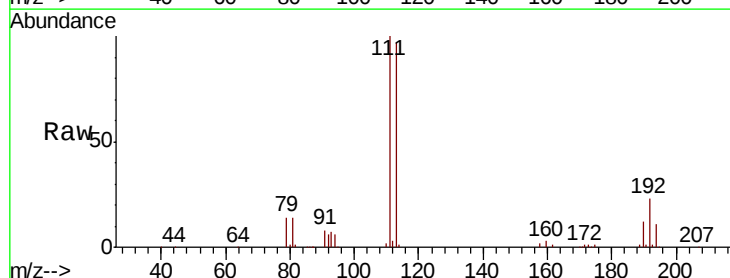
Tgt Ion:113 Resp: 474701

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

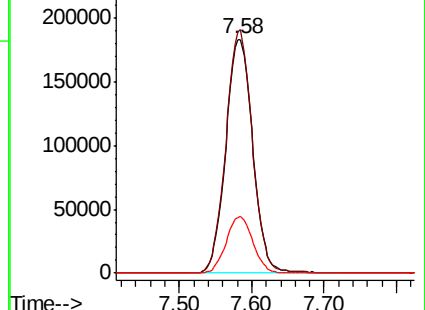
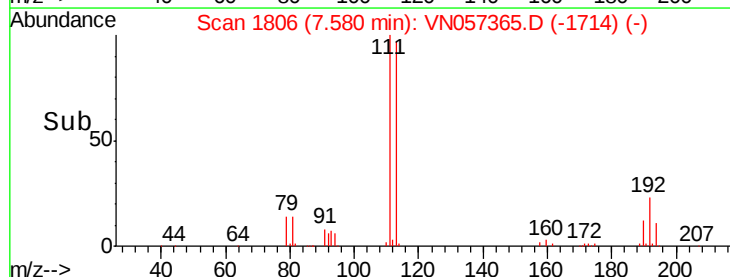
192 23.9 19.3 28.9

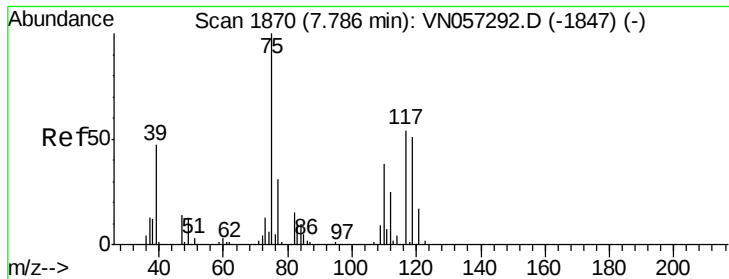


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-B-(0)

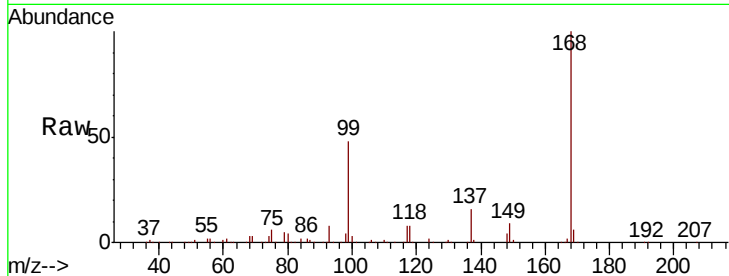
Tgt Ion: 75 Resp: 67754

Ion Ratio Lower Upper

75 100

110 9.4 19.5 58.5#

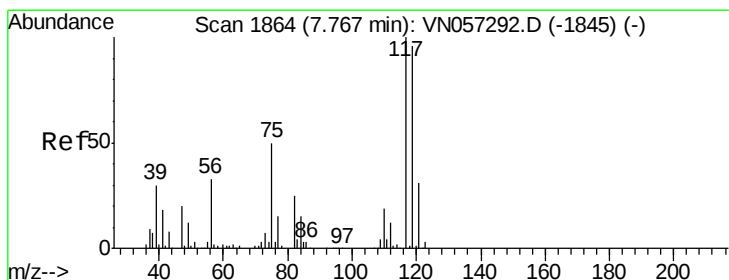
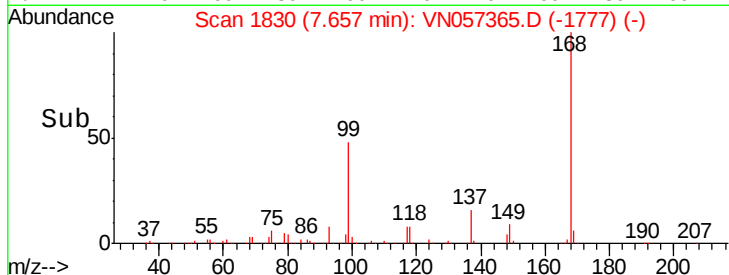
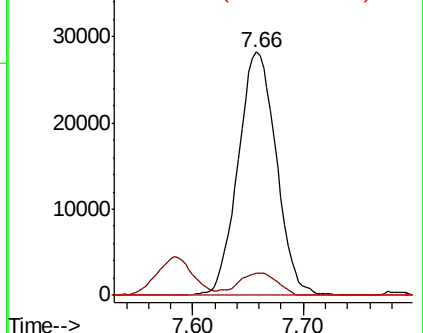
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN057292.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN057292.D (-1847) (-)



#38

Carbon Tetrachloride

Concen: 6.676 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

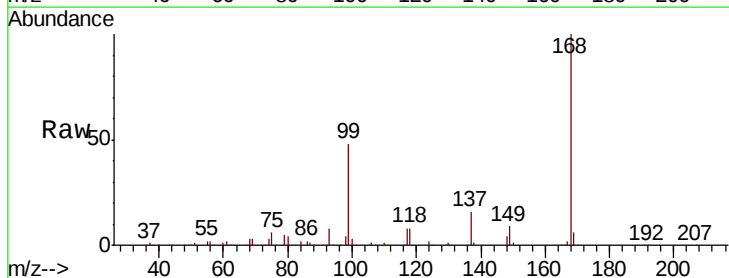
Tgt Ion: 117 Resp: 97179

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

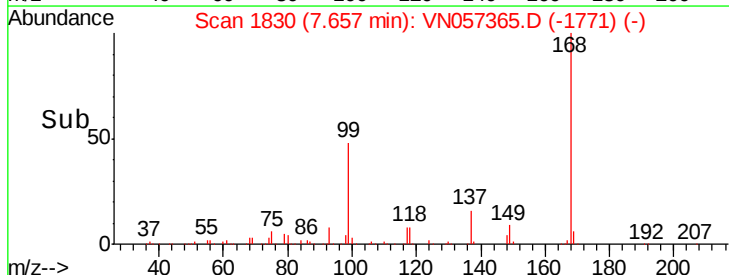
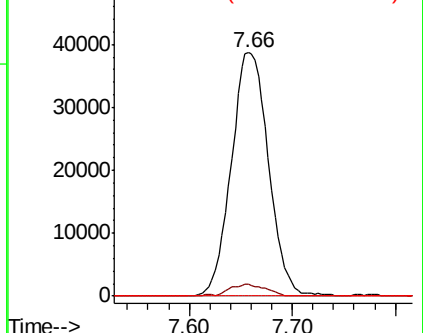
121 0.0 25.0 37.4#

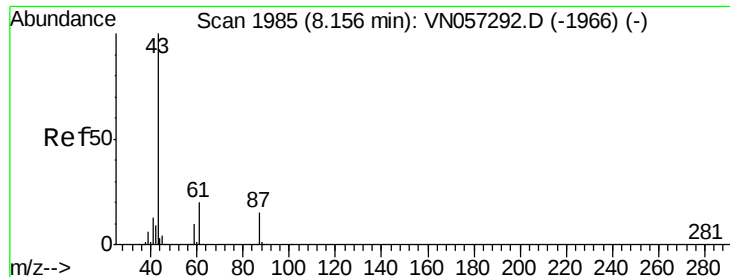


Abundance Ion 116.80 (116.50 to 117.50): VN057292.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN057292.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN057292.D (-1845) (-)





#43

Isopropyl Acetate

Concen: 6.668 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-B-(0)

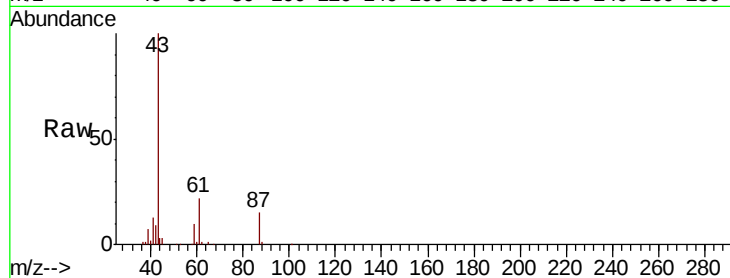
Tgt Ion: 43 Resp: 160442

Ion Ratio Lower Upper

43 100

61 22.1 21.6 32.4

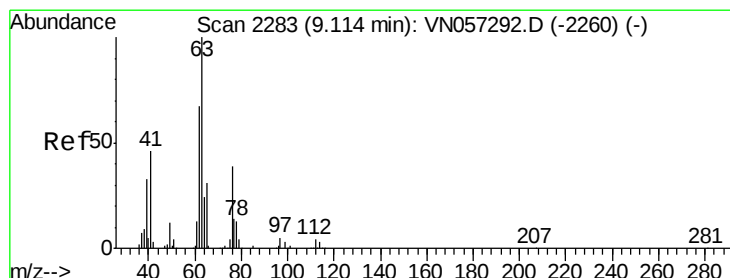
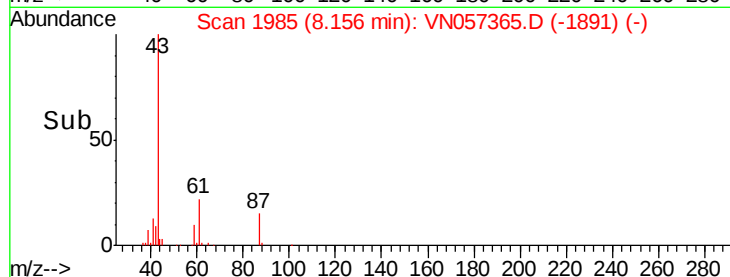
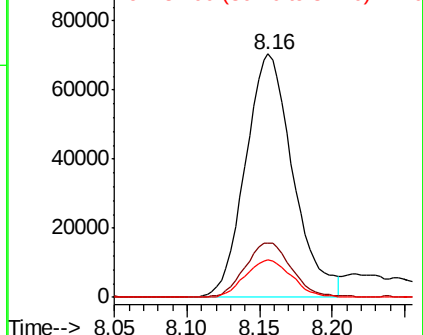
87 15.1 11.4 17.0



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: 0.300 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.14 min

Lab File: VN057365.D

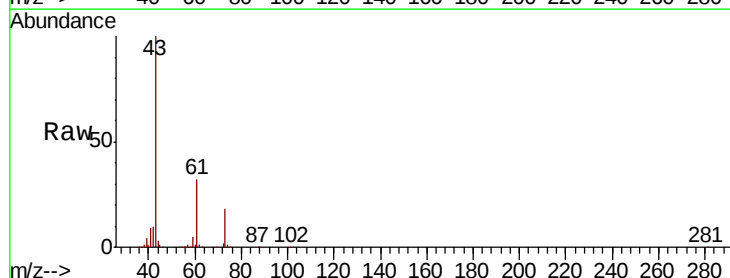
Acq: 16 Aug 2019 19:59

Tgt Ion: 63 Resp: 3317

Ion Ratio Lower Upper

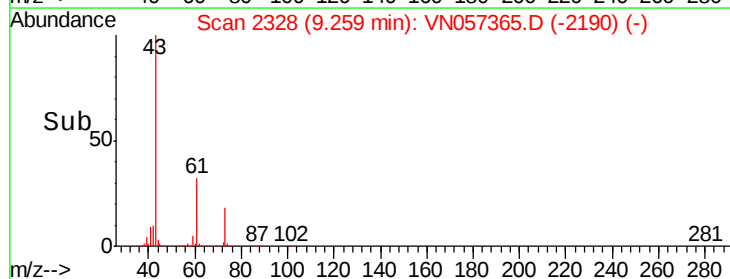
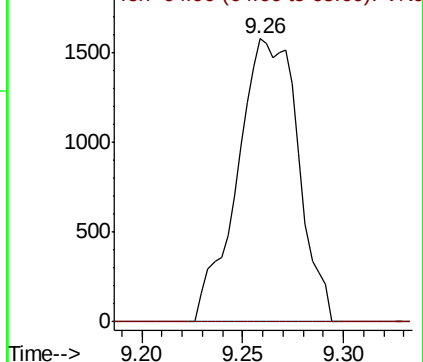
63 100

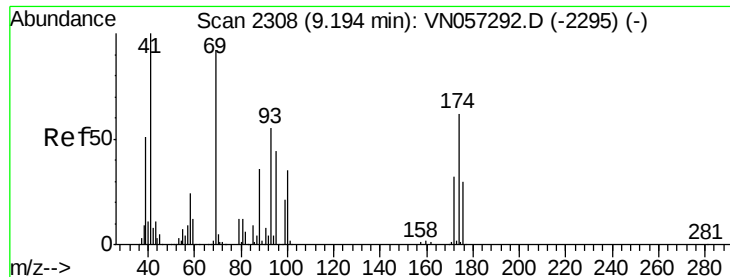
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

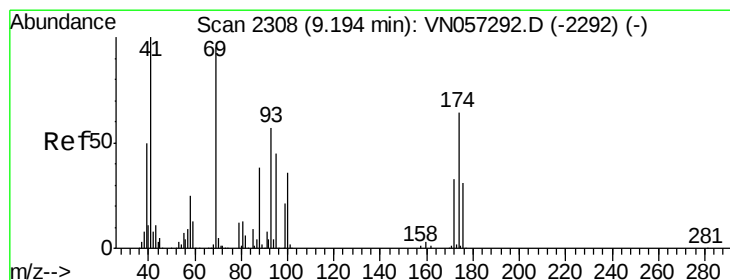
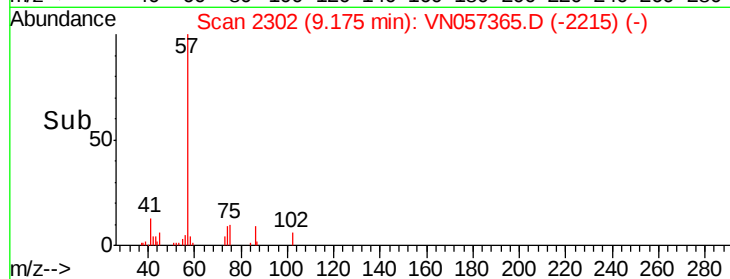
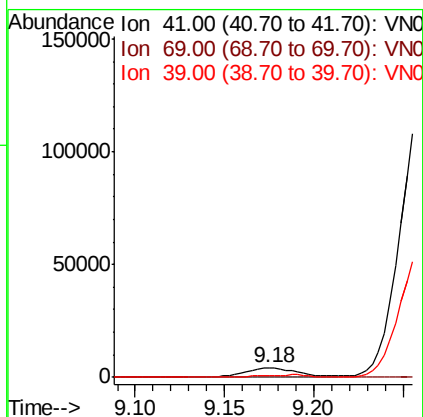
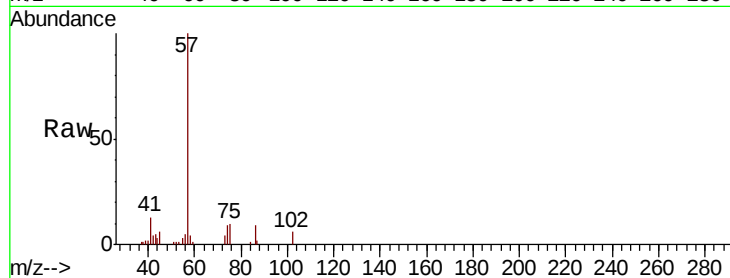




#48
Methyl methacrylate
Concen: 0.954 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

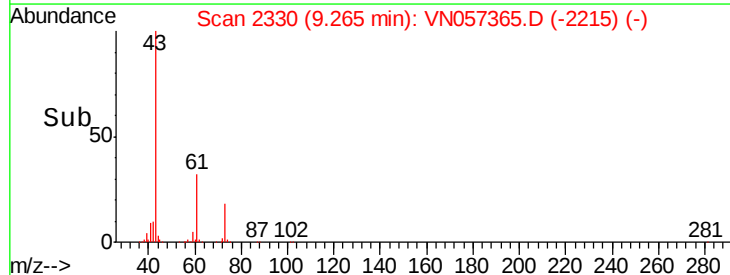
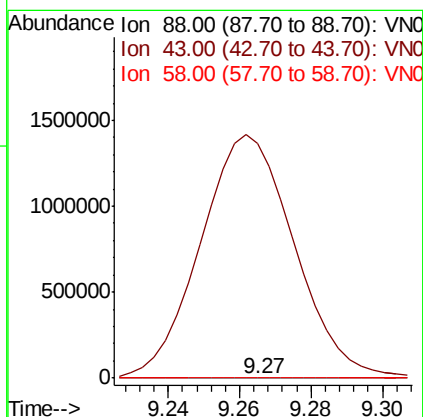
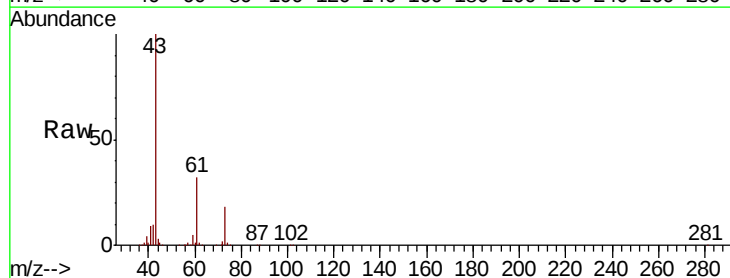
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-B-(0)

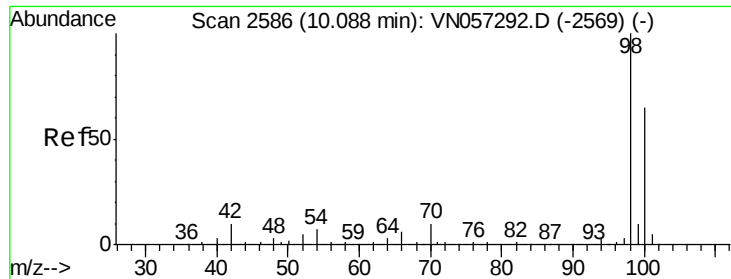
Tgt Ion: 41 Resp: 9010
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 42.3 63.5#



#49
1,4-Dioxane
Concen: 2.622 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
43 500085.2 22.9 34.3#
58 2119.2 52.7 79.1#





#50

Toluene-d8

Concen: 48.267 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

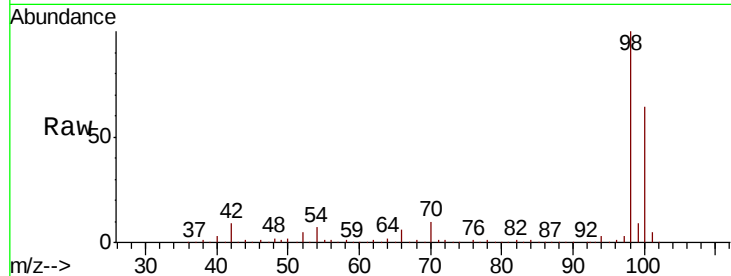
REACTOR-4-B-(0)

Tgt Ion: 98 Resp: 1836282

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN057292.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057292.D (-2569) (-)

1200000

1000000

800000

600000

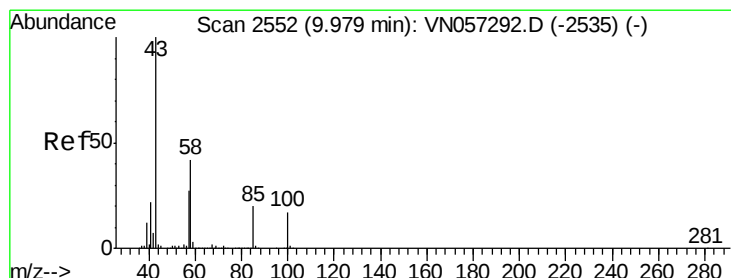
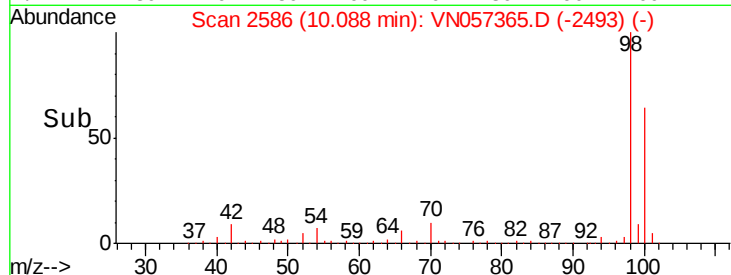
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.889 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057365.D

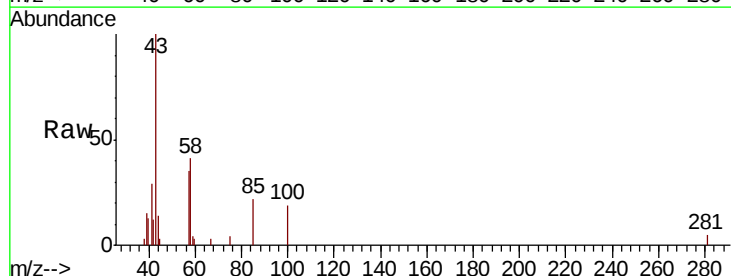
Acq: 16 Aug 2019 19:59

Tgt Ion: 43 Resp: 10525

Ion Ratio Lower Upper

43 100

58 39.3 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-2535) (-)

15000

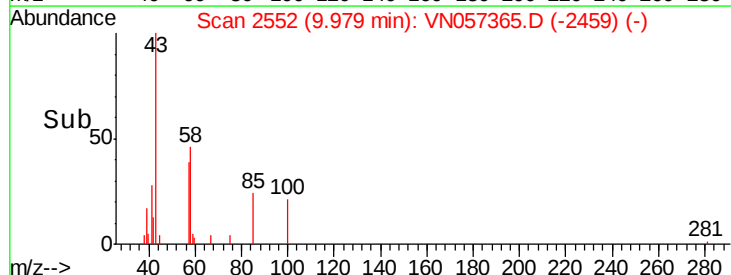
10000

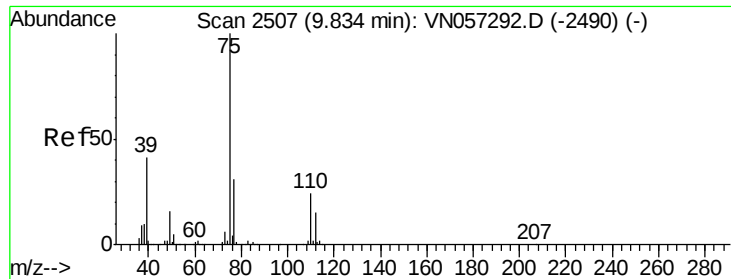
5000

0

9.95 9.98 10.00

Time-->



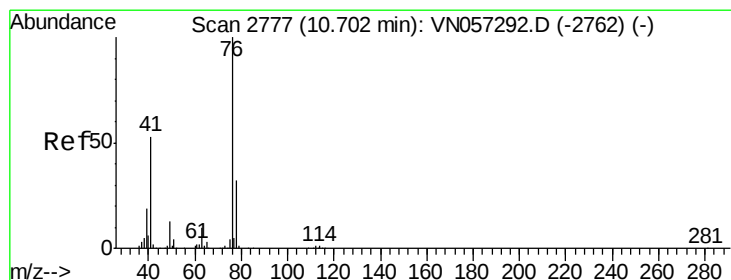
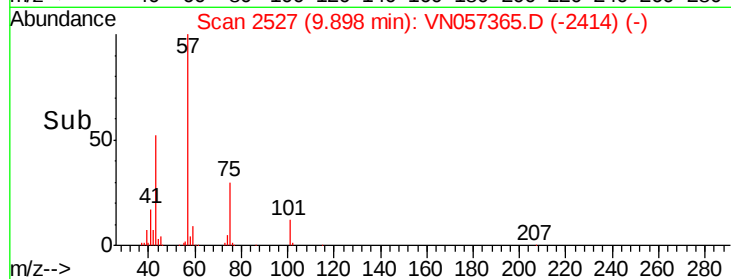
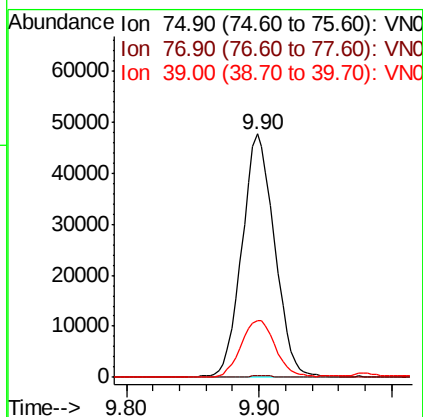
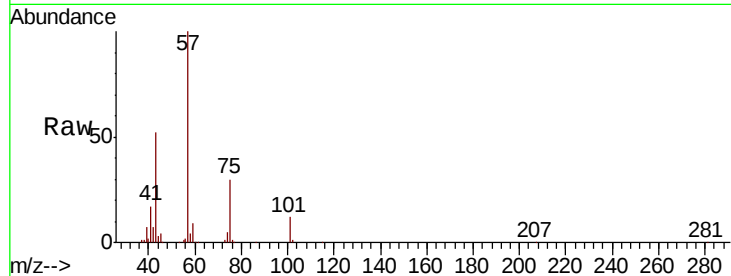


#54

cis-1,3-Dichloropropene
 Concen: 4.680 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057365.D
 Acq: 16 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-B-(0)

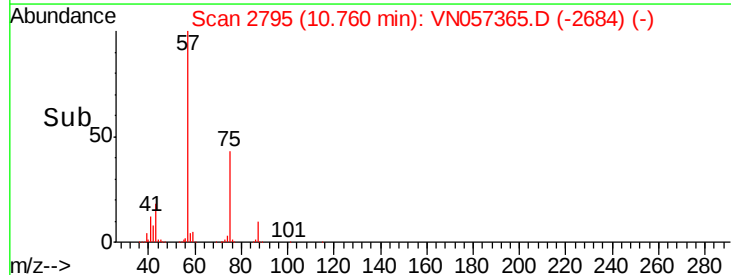
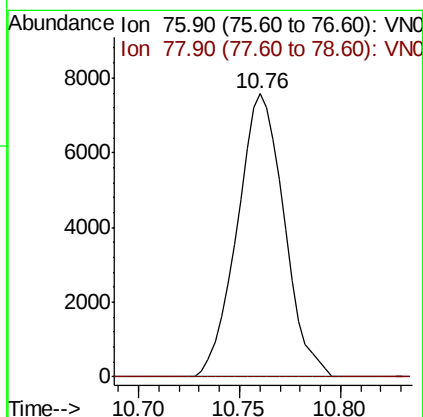
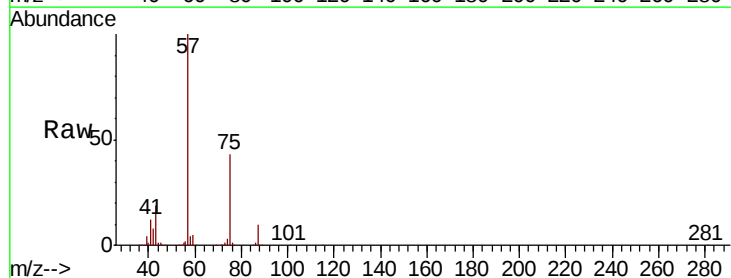
Tgt Ion: 75 Resp: 81498
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.9 37.3#
 39 23.5 32.7 49.1#

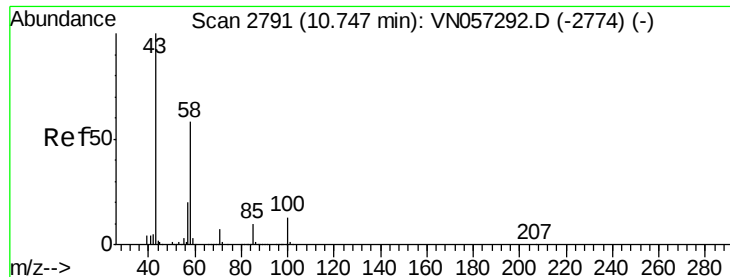


#57

1,3-Dichloropropane
 Concen: 0.704 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057365.D
 Acq: 16 Aug 2019 19:59

Tgt Ion: 76 Resp: 12335
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

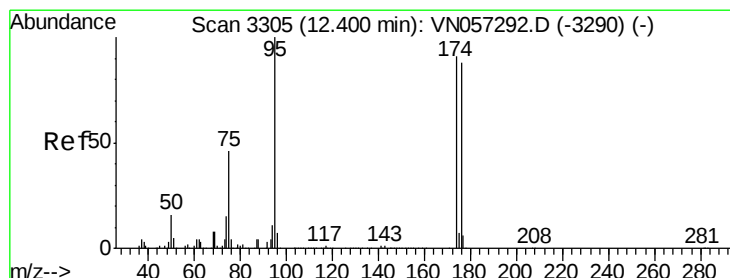
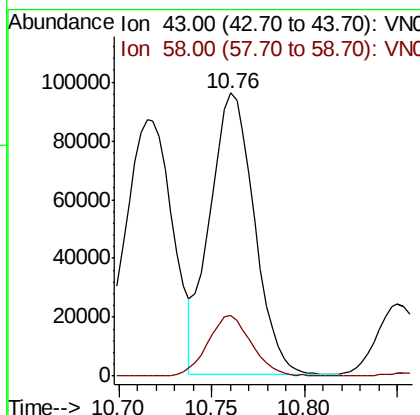
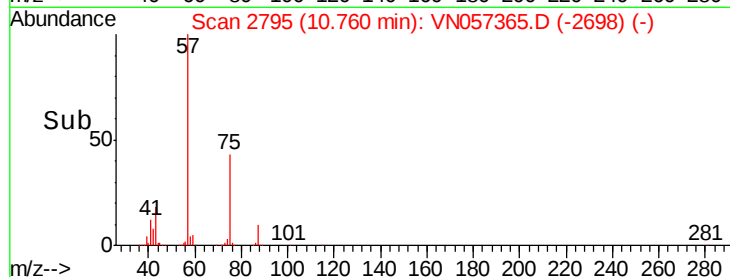
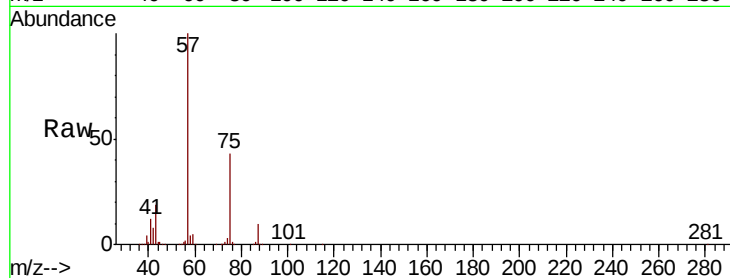




#59
2-Hexanone
Concen: 18.819 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

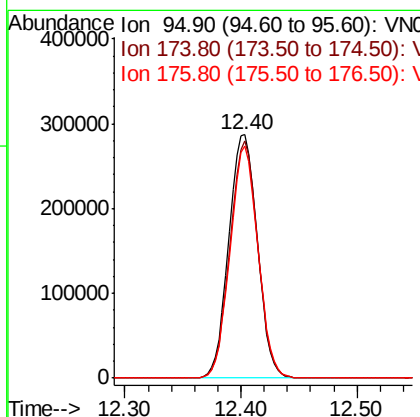
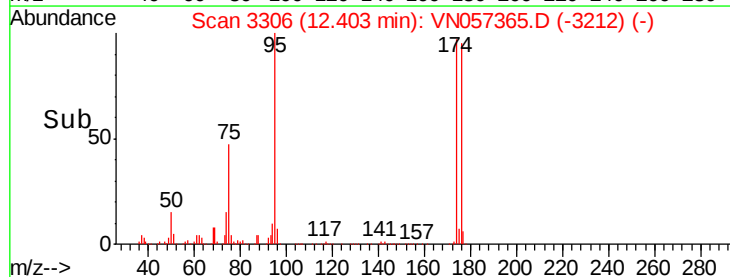
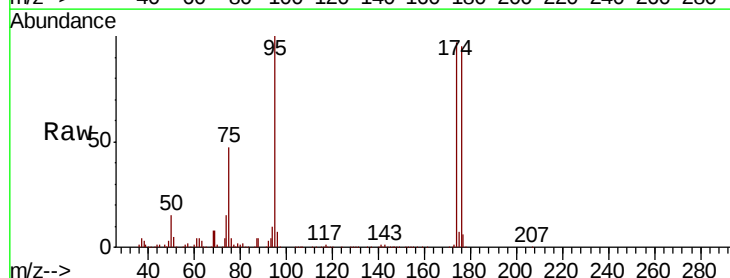
Instrument :
MSVOA_N
ClientSampled :
REACTOR-4-B-(0)

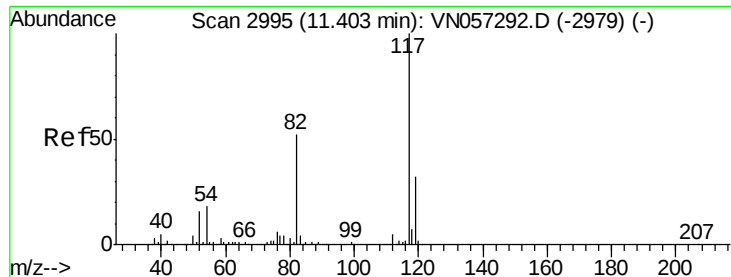
Tgt Ion: 43 Resp: 160161
Ion Ratio Lower Upper
43 100
58 21.4 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 36.105 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Tgt Ion: 95 Resp: 485407
Ion Ratio Lower Upper
95 100
174 95.1 0.0 185.0
176 93.2 0.0 181.0

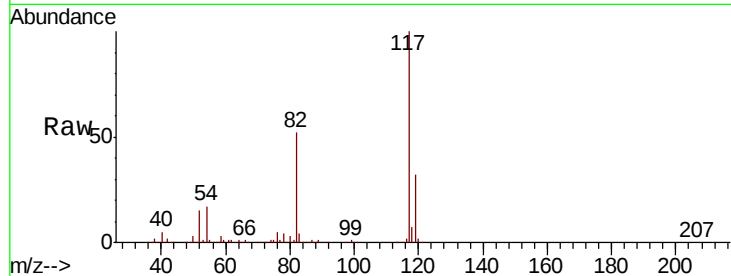




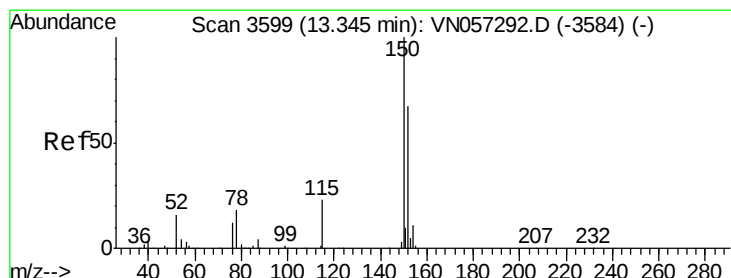
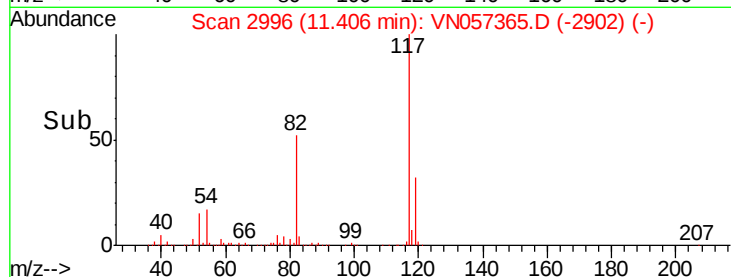
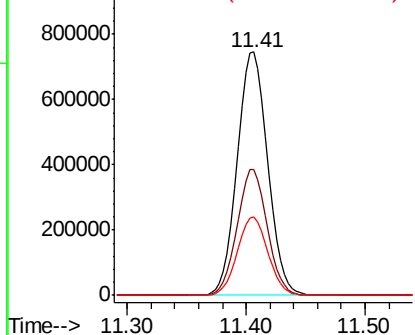
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-B-(0)

Tgt Ion:117 Resp: 1324979
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.0 25.8 38.8

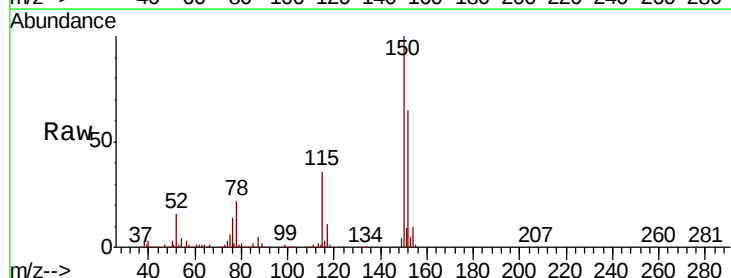


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

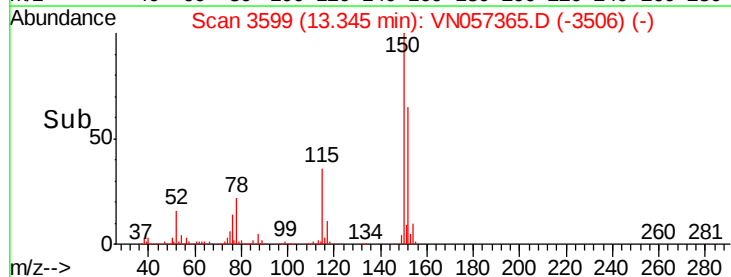
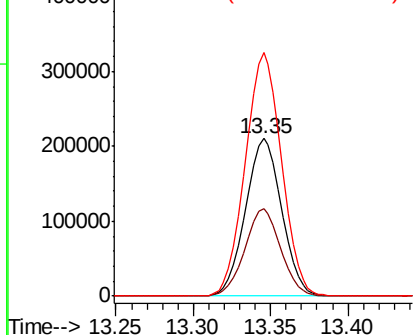


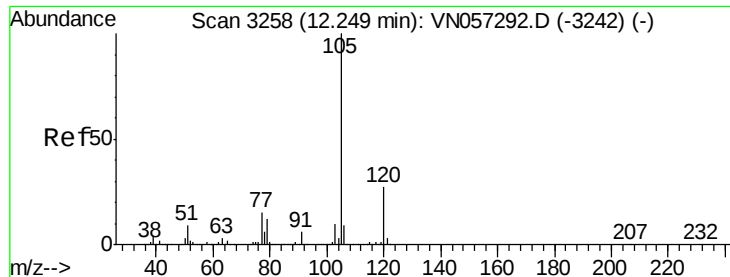
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Tgt Ion:152 Resp: 344213
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 154.5 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# 3257

Delta R.T. -0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

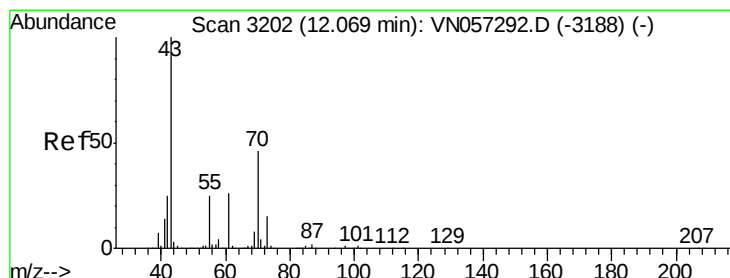
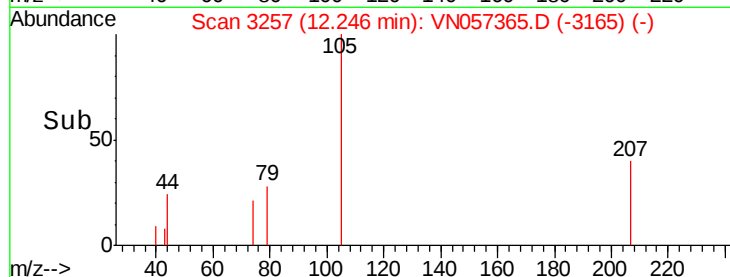
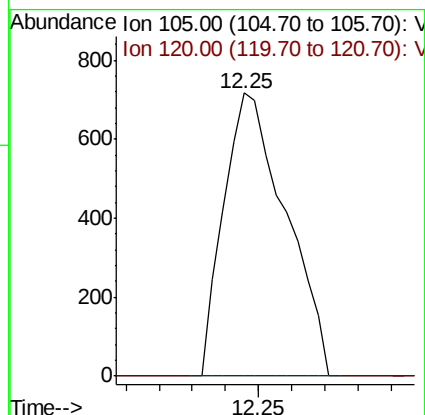
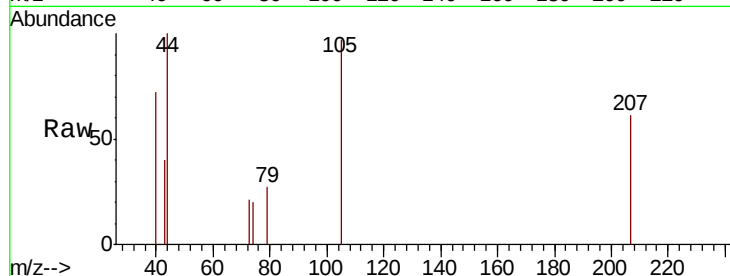
REACTOR-4-B-(0)

Tgt Ion: 105 Resp: 934

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#



#74

N-ethyl acetate

Concen: 0.475 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Tgt Ion: 43 Resp: 4744

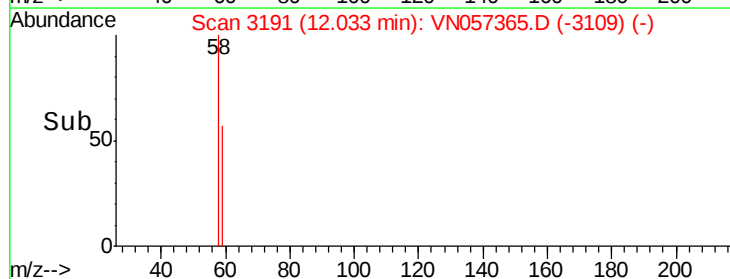
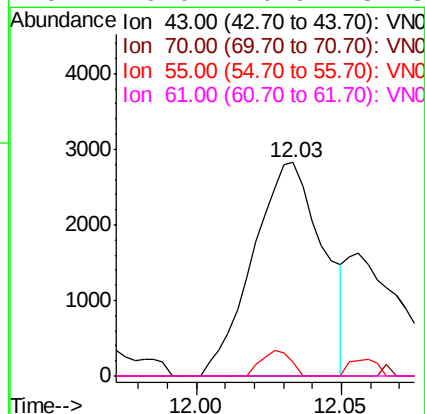
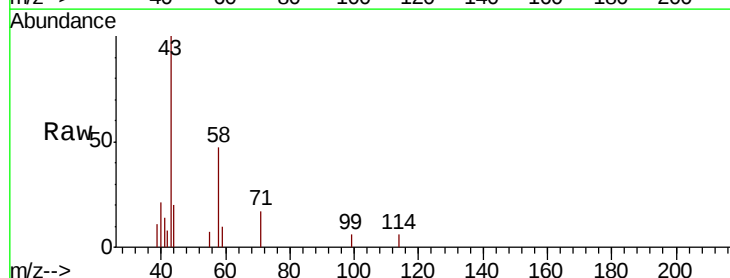
Ion Ratio Lower Upper

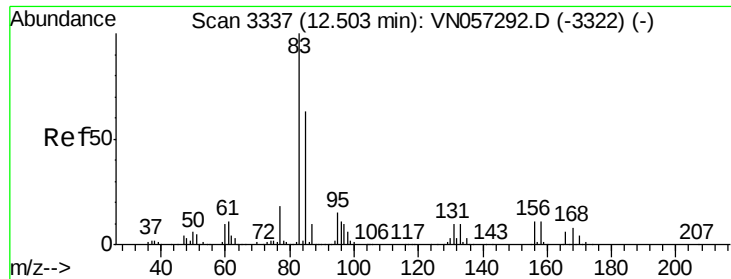
43 100

70 0.0 36.2 54.2#

55 5.0 20.1 30.1#

61 0.0 20.9 31.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-B-(0)

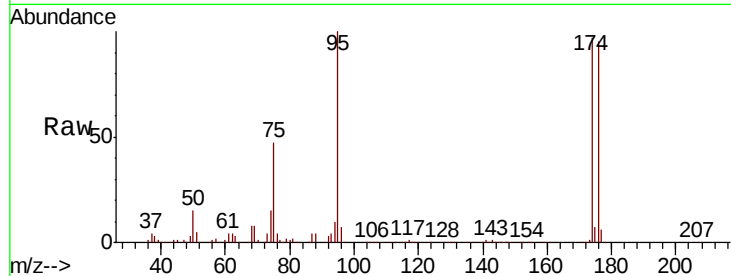
Tgt Ion: 83 Resp: 173

Ion Ratio Lower Upper

83 100

131 309.8 5.4 16.2#

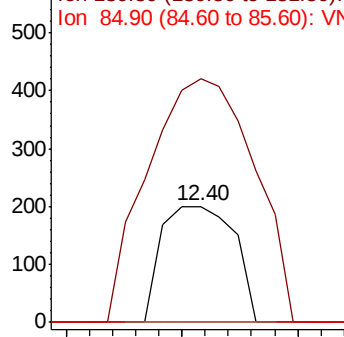
85 0.0 32.3 96.9#



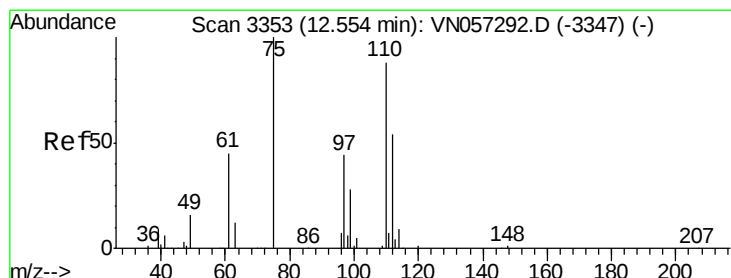
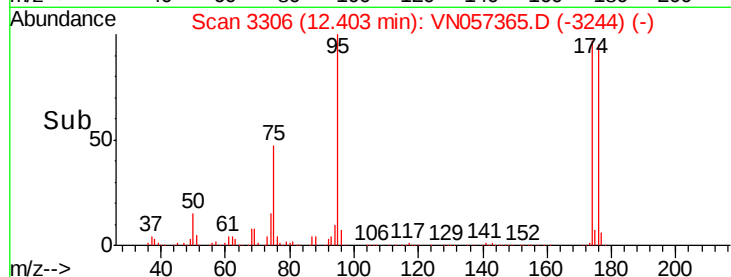
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 12.38 12.40 12.42



#76

1,2,3-Trichloropropane

Concen: 32.860 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057365.D

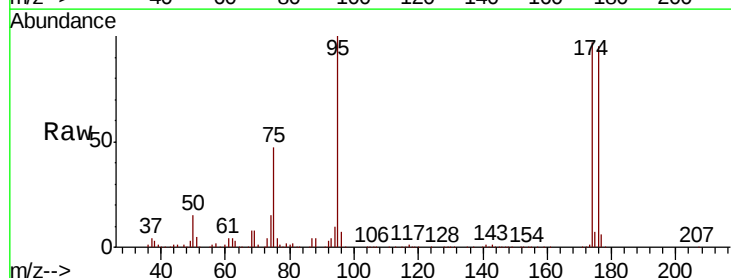
Acq: 16 Aug 2019 19:59

Tgt Ion: 75 Resp: 227046

Ion Ratio Lower Upper

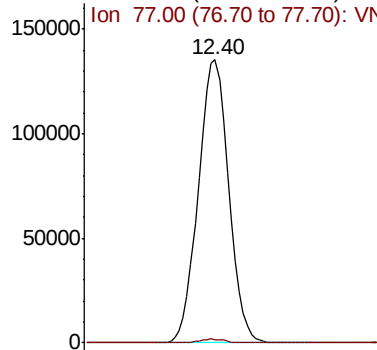
75 100

77 1.2 0.0 0.0#

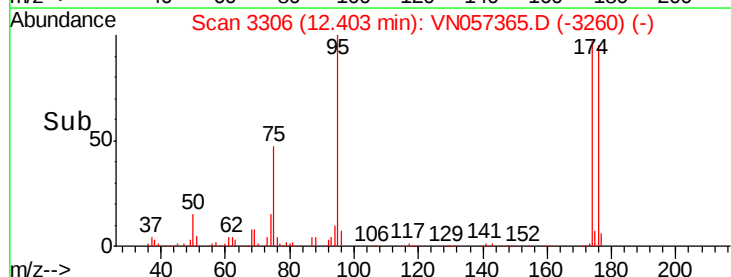


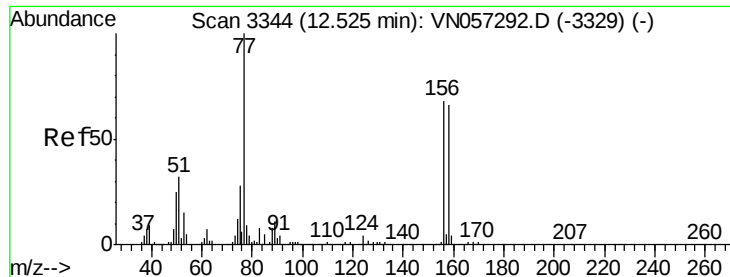
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-B-(0)

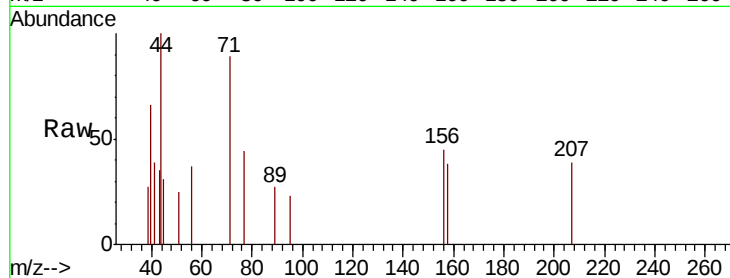
Tgt Ion: 156 Resp: 531

Ion Ratio Lower Upper

156 100

77 61.2 89.8 269.6#

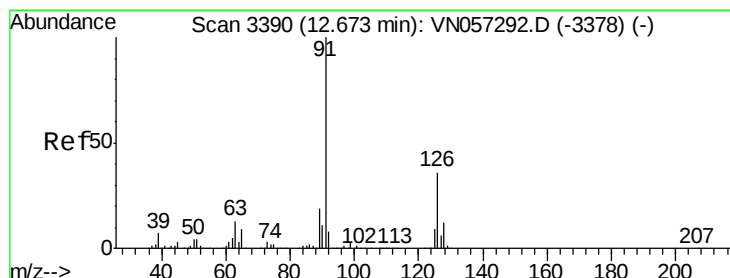
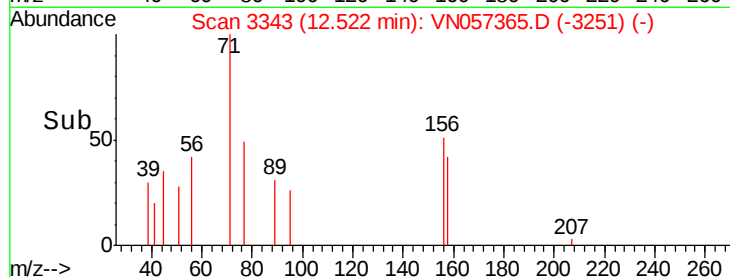
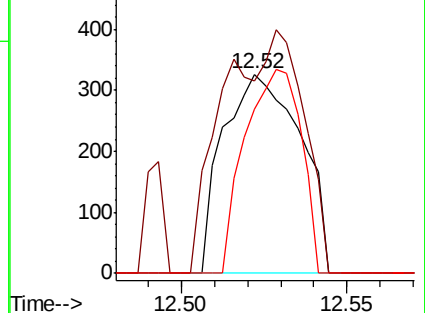
158 74.2 49.3 147.8



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: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057365.D

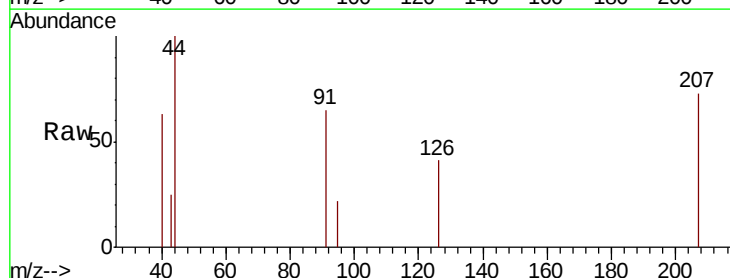
Acq: 16 Aug 2019 19:59

Tgt Ion: 91 Resp: 883

Ion Ratio Lower Upper

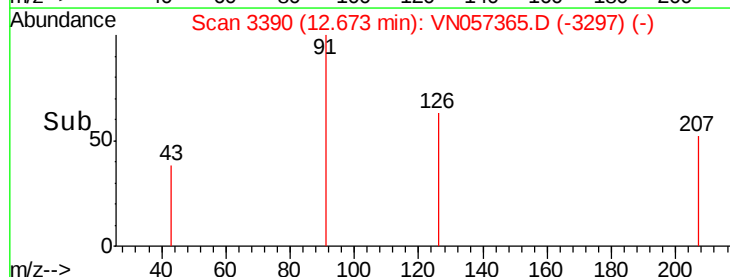
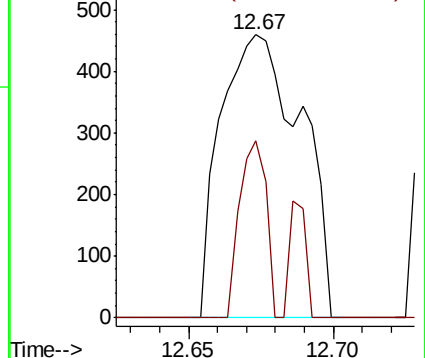
91 100

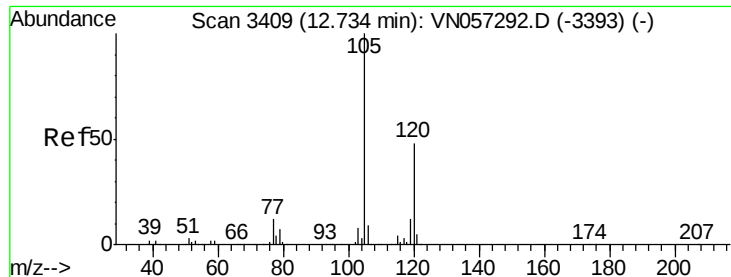
126 20.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

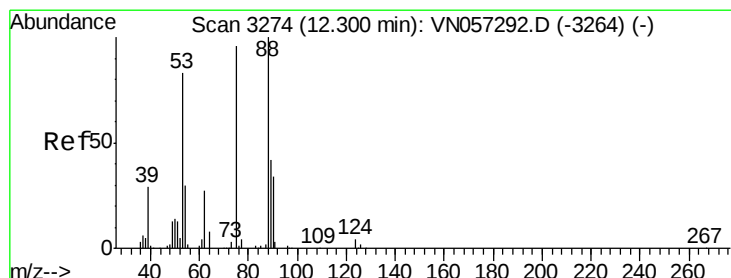
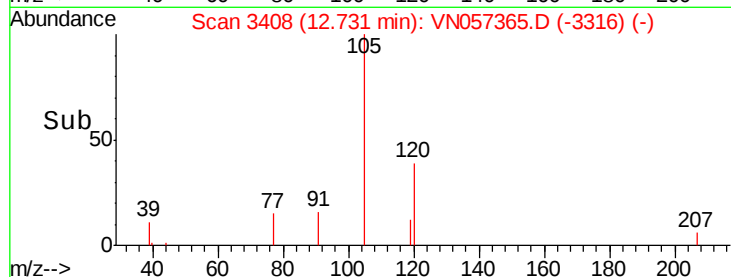
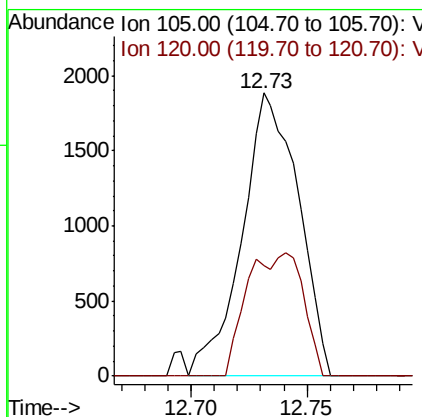
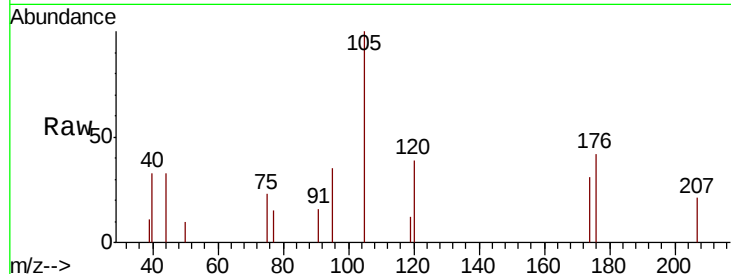




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN057365.D
 Acq: 16 Aug 2019 19:59

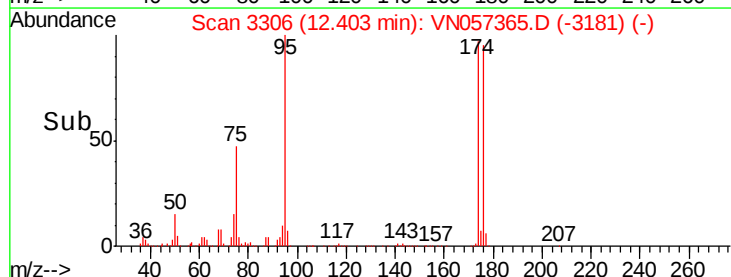
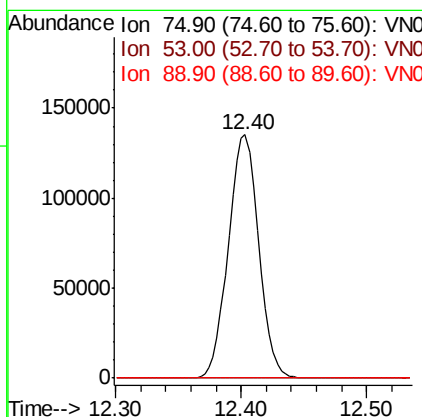
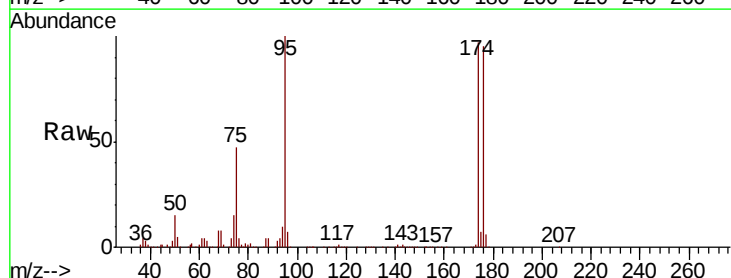
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-B-(0)

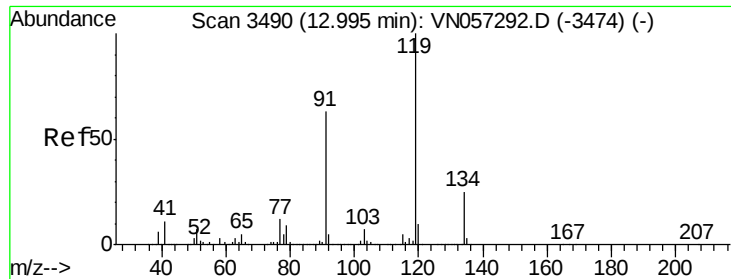
Tgt Ion: 105 Resp: 3191
 Ion Ratio Lower Upper
 105 100
 120 43.4 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.431 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057365.D
 Acq: 16 Aug 2019 19:59

Tgt Ion: 75 Resp: 227046
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#

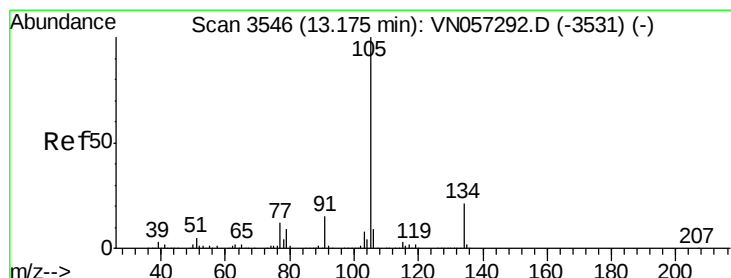
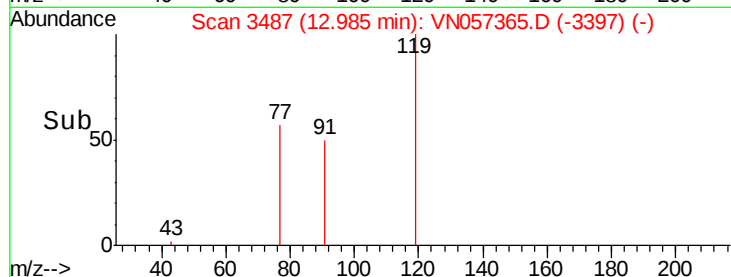
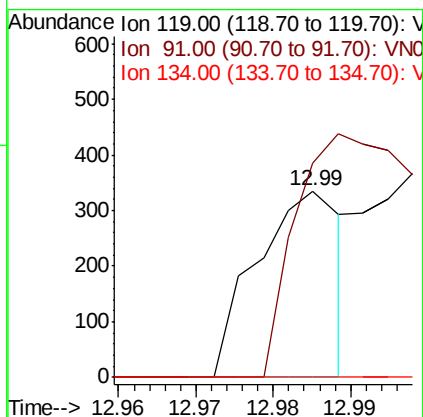
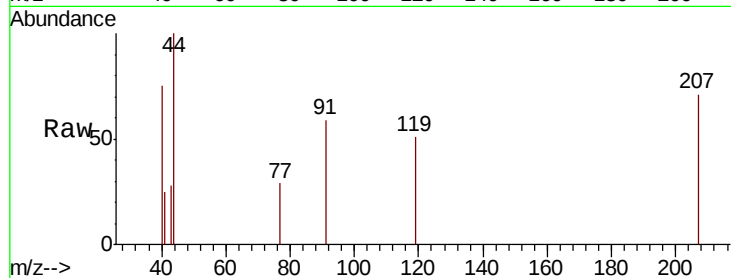




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3487
Delta R.T. -0.01 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

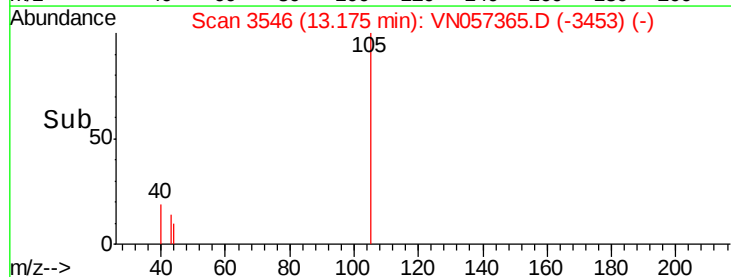
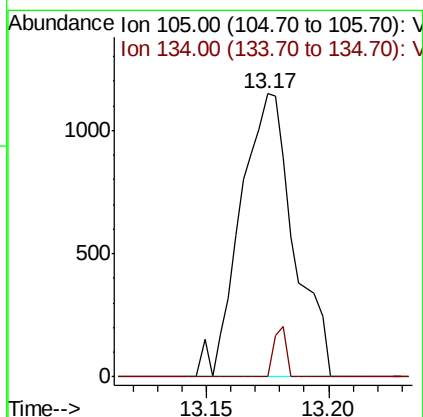
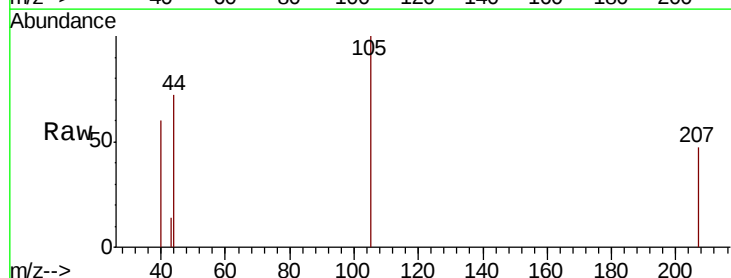
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-B-(0)

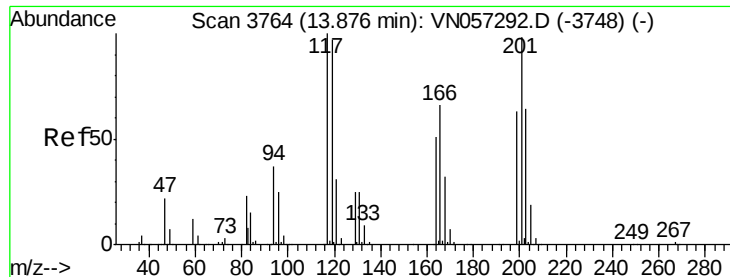
Tgt Ion:119 Resp: 256
Ion Ratio Lower Upper
119 100
91 202.0 31.3 93.8#
134 0.0 13.1 39.1#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3546
Delta R.T. 0.00 min
Lab File: VN057365.D
Acq: 16 Aug 2019 19:59

Tgt Ion:105 Resp: 1737
Ion Ratio Lower Upper
105 100
134 4.1 10.4 31.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.63 min Scan# 3689

Delta R.T. -0.24 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

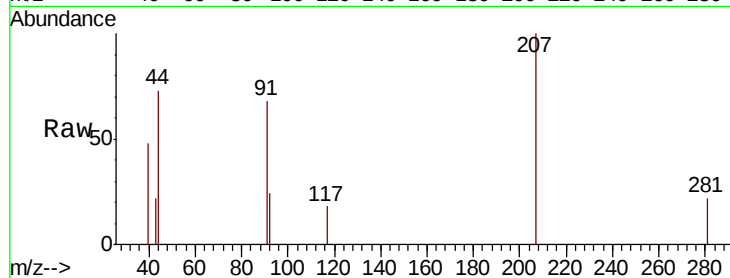
REACTOR-4-B-(0)

Tgt Ion:117 Resp: 30

Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.63

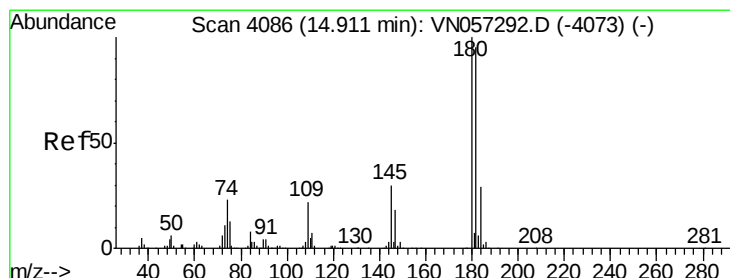
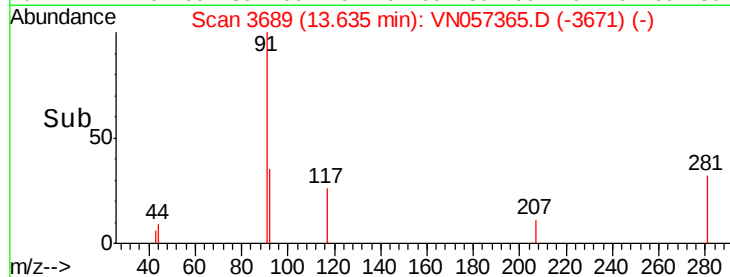
150

100

50

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.592 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

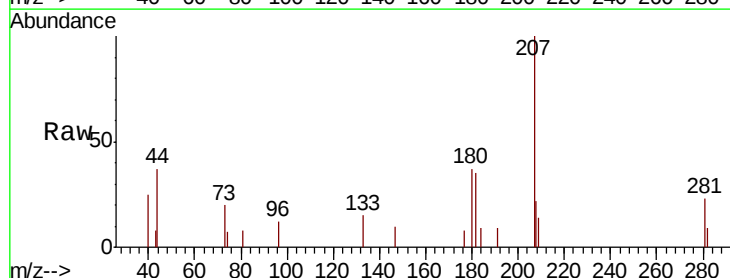
Tgt Ion:180 Resp: 1190

Ion Ratio Lower Upper

180 100

182 92.4 48.0 144.2

145 9.5 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

14.91

1000

800

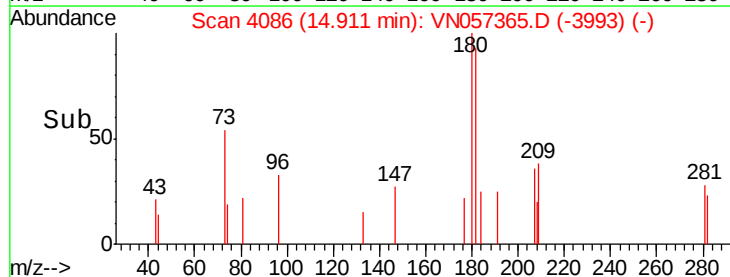
600

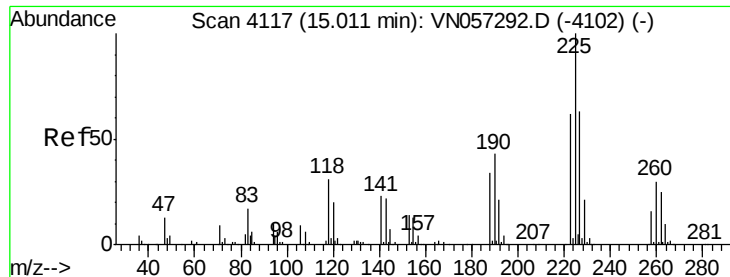
400

200

0

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057365.D

Acq: 16 Aug 2019 19:59

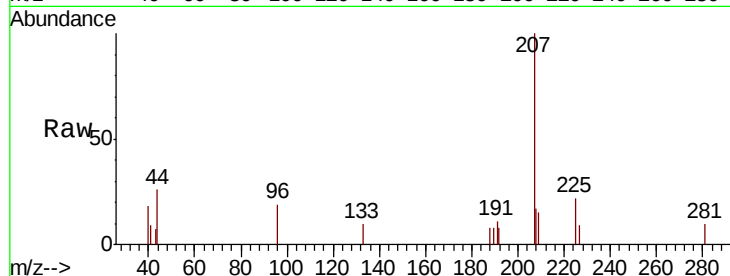
Instrument :

MSVOA_N

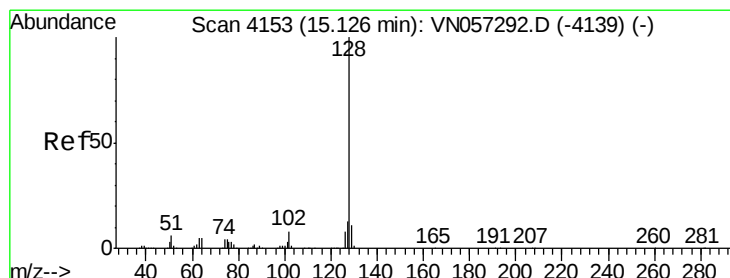
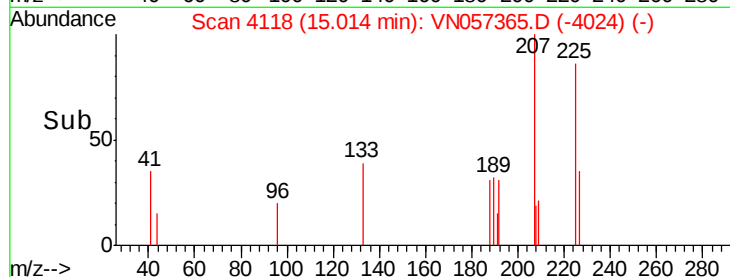
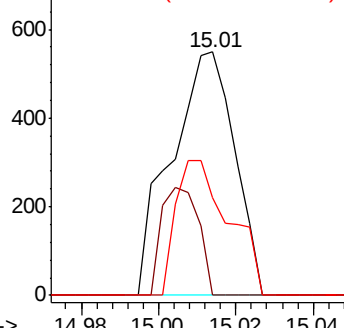
ClientSampleId :

REACTOR-4-B-(0)

Tgt Ion:	225	Resp:	627
Ion Ratio	Lower	Upper	
225	100		
223	25.7	30.7	92.1#
227	46.6	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

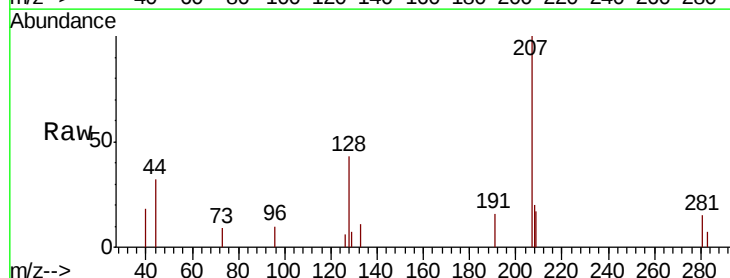
RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

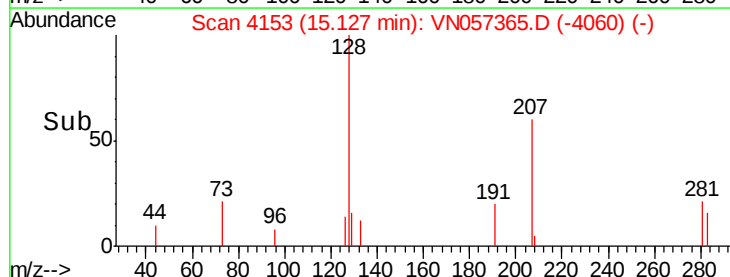
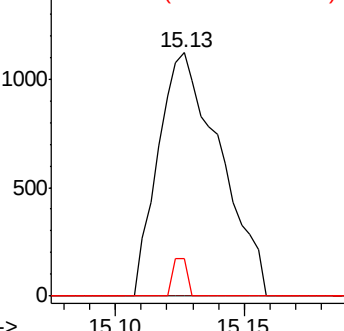
Lab File: VN057365.D

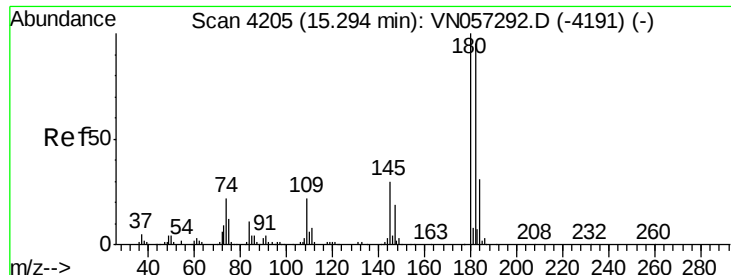
Acq: 16 Aug 2019 19:59

Tgt Ion:	128	Resp:	1875
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	3.6	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: VN057365.D
 Acq: 16 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-B-(0)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	23.1	15.1	45.3

