

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
 Data File : VN057330.D
 Acq On : 15 Aug 2019 14:39
 Operator : JC/SP
 Sample : K4264-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C2-(3)

Quant Time: Aug 16 02:00:38 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	1097815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1545314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1302935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343162	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	521298	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	
35) Dibromofluoromethane	7.58	113	461085	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
50) Toluene-d8	10.09	98	1798296	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	489566	37.39	ug/l	0.00
Spiked Amount			Recovery	=	74.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	2860	0.462	ug/l	63
11) Tert butyl alcohol	4.74	59	3696	2.178	ug/l #	73
13) Acrolein	3.61	56	327	0.317	ug/l #	38
16) Acetone	3.81	43	45446	10.977	ug/l	97
18) Methyl Acetate	4.33	43	21025	Below Cal		99
20) Methylene Chloride	4.55	84	16299	1.407	ug/l	90
25) 2-Butanone	6.83	43	10800	1.801	ug/l #	88
29) Tetrahydrofuran	7.20	42	1142	0.301	ug/l #	73
31) Cyclohexane	7.66	56	15154	0.932	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	67024	4.912	ug/l #	48
37) Ethyl Acetate	6.83	43	10800	0.966	ug/l #	67
38) Carbon Tetrachloride	7.66	117	94905	6.695	ug/l #	16
43) Isopropyl Acetate	8.16	43	205494	9.133	ug/l #	83
45) 1,2-Dichloropropane	9.26	63	3273	0.304	ug/l #	44
48) Methyl methacrylate	9.18	41	8627	0.937	ug/l #	11
49) 1,4-Dioxane	9.27	88	459	2.372	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8915	0.773	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	73867	4.356	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	11807	0.692	ug/l #	43
59) 2-Hexanone	10.76	43	149765	18.069	ug/l #	50
73) Isopropylbenzene	12.25	105	951	Below Cal	#	61
74) N-amyl acetate	12.03	43	6081	0.611	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	229723	33.378	ug/l #	100
77) Bromobenzene	12.52	156	337	Below Cal	#	64
79) 2-Chlorotoluene	12.67	91	63	Below Cal	#	1
80) 1,3,5-Trimethylbenzene	12.73	105	3120	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	229723	81.629	ug/l #	15
83) tert-Butylbenzene	13.00	119	670	Below Cal	#	81
85) sec-Butylbenzene	13.17	105	1182	Below Cal		95
93) 1,2,4-Trichlorobenzene	14.91	180	781	5.511	ug/l	79
94) Hexachlorobutadiene	15.01	225	246	Below Cal	#	49
95) Naphthalene	15.13	128	1665	Below Cal	#	81
96) 1,2,3-Trichlorobenzene	15.30	180	1254	Below Cal		78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
Data File : VN057330.D
Acq On : 15 Aug 2019 14:39
Operator : JC/SP
Sample : K4264-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

Quant Time: Aug 16 02:00:38 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

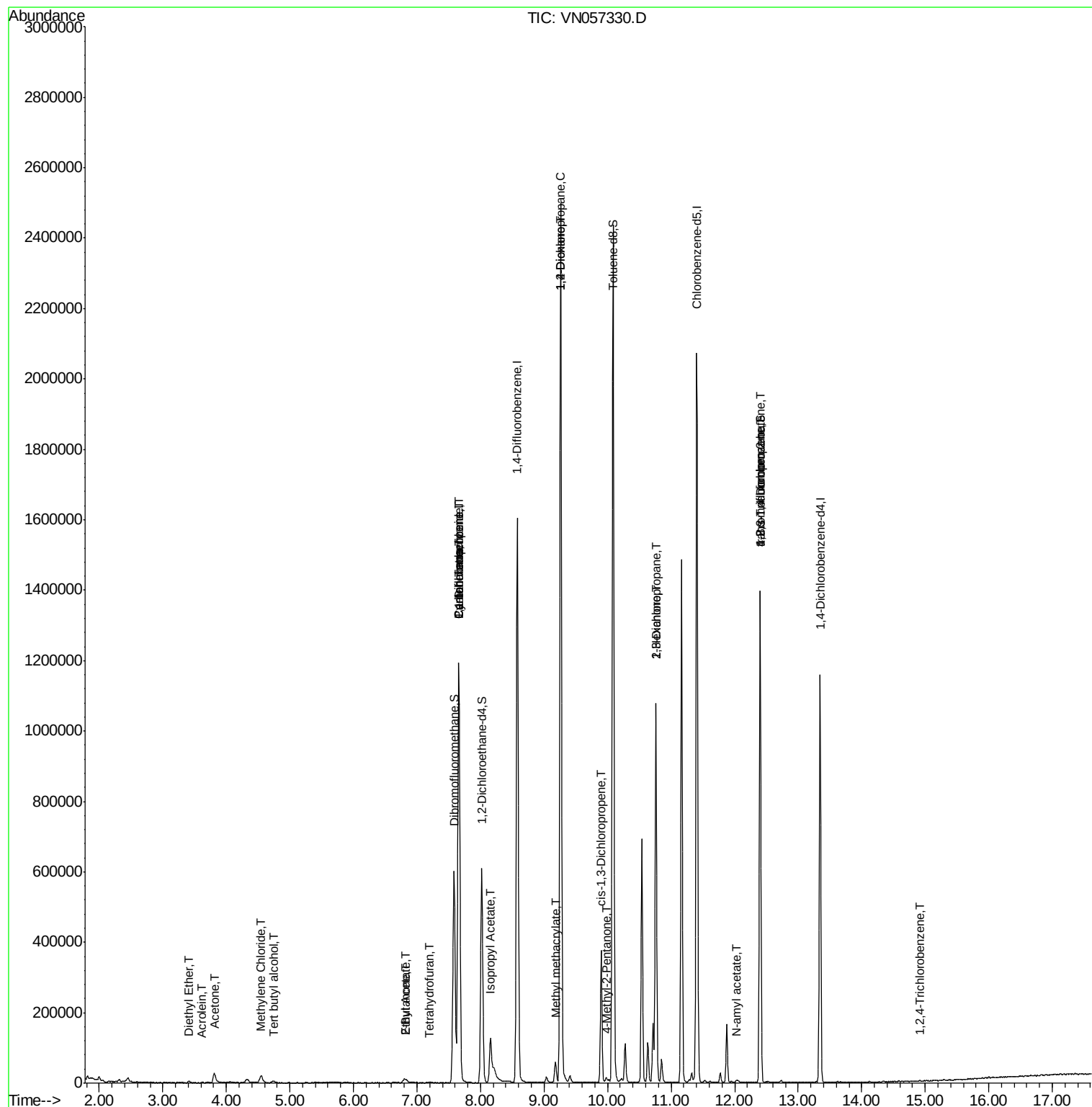
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

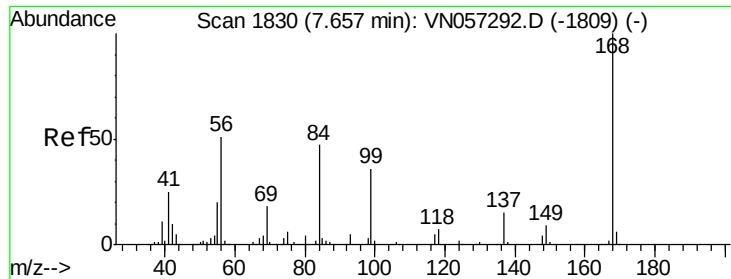
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081619\
Data File : VN057330.D
Acq On : 15 Aug 2019 14:39
Operator : JC/SP
Sample : K4264-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

Quant Time: Aug 16 02:00:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

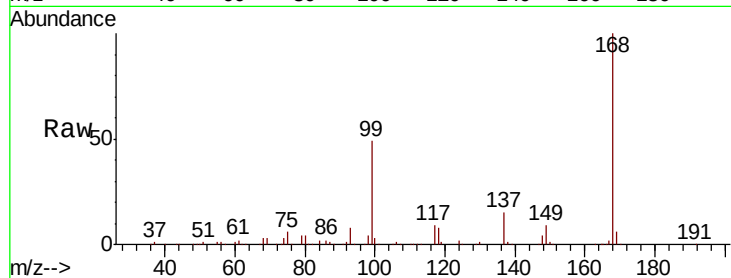
REACTOR-3-C2-(3)

Tgt Ion:168 Resp: 1097815

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.2



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

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

7.66

500000

400000

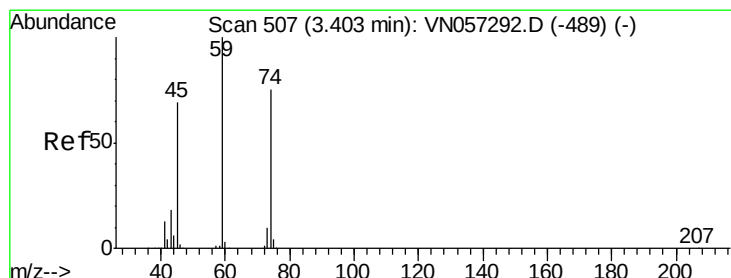
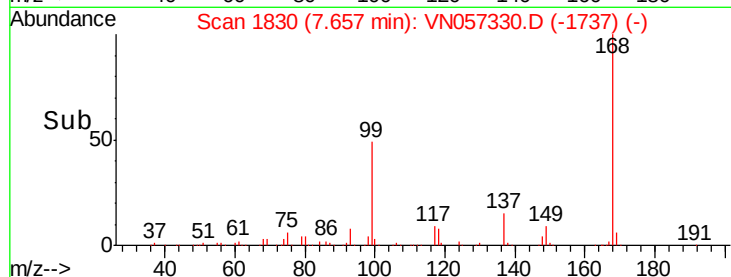
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.462 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN057330.D

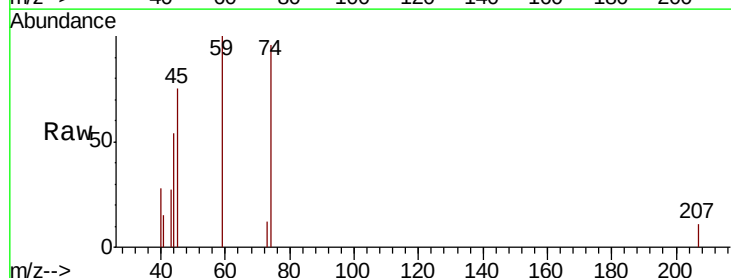
Acq: 15 Aug 2019 14:39

Tgt Ion: 74 Resp: 2860

Ion Ratio Lower Upper

74 100

45 56.6 45.9 137.6



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

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

3.41

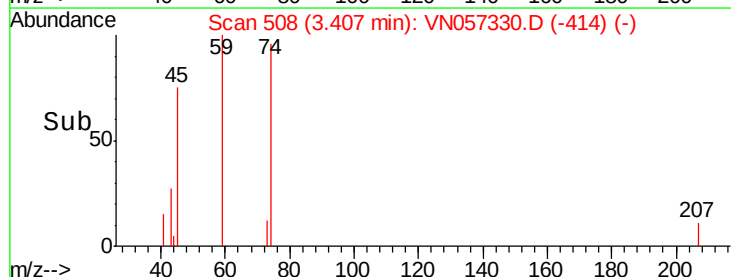
1500

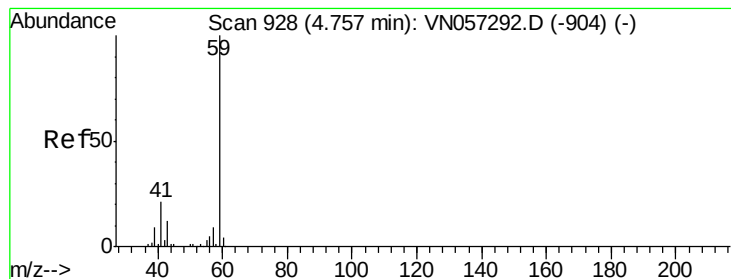
1000

500

0

Time-->



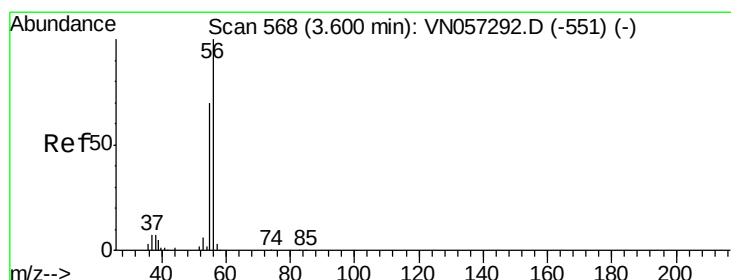
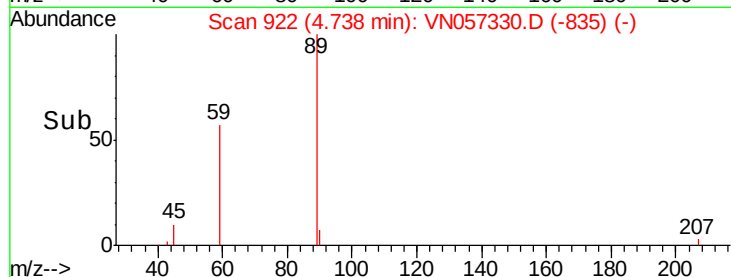
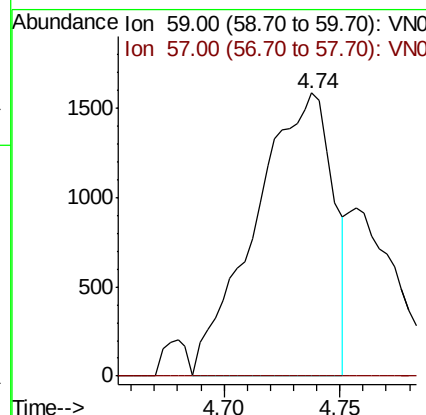
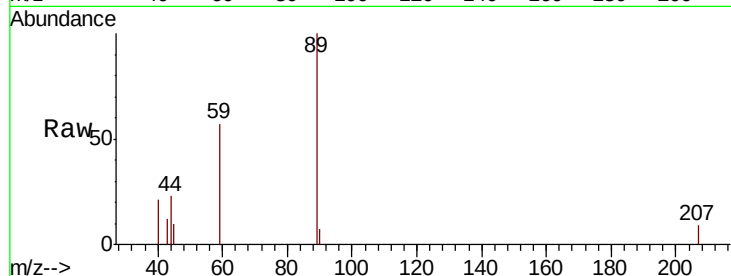


#11

Tert butyl alcohol
 Concen: 2.178 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C2-(3)

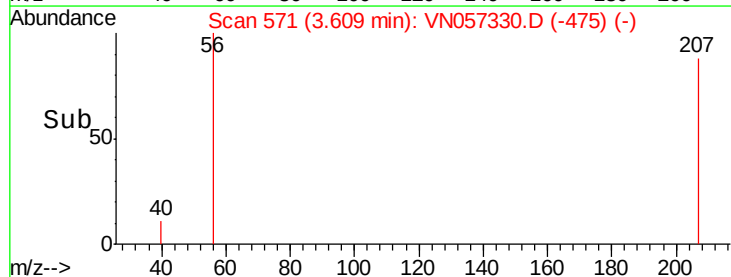
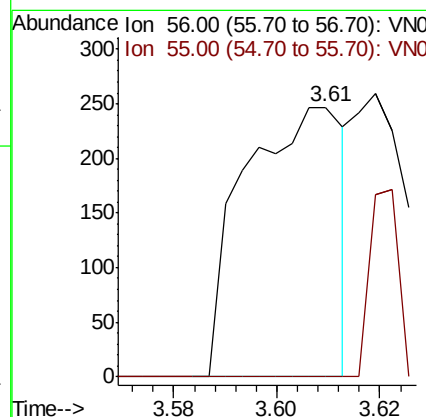
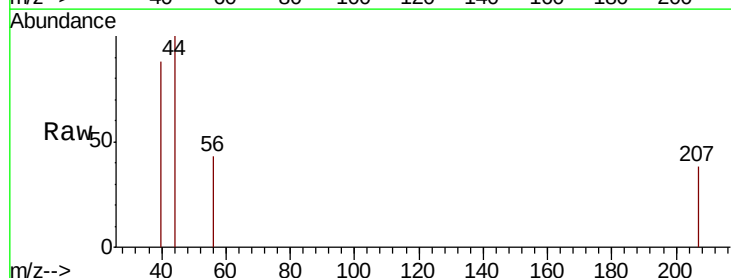
Tgt Ion: 59 Resp: 3696
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

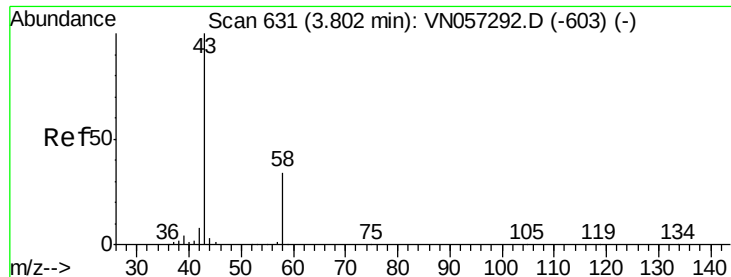


#13

Acrolein
 Concen: 0.317 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 56 Resp: 327
 Ion Ratio Lower Upper
 56 100
 55 19.9 56.6 84.8#





#16

Acetone

Concen: 10.977 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

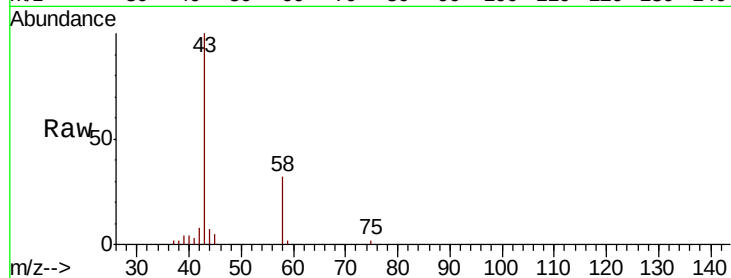
REACTOR-3-C2-(3)

Tgt Ion: 43 Resp: 45446

Ion Ratio Lower Upper

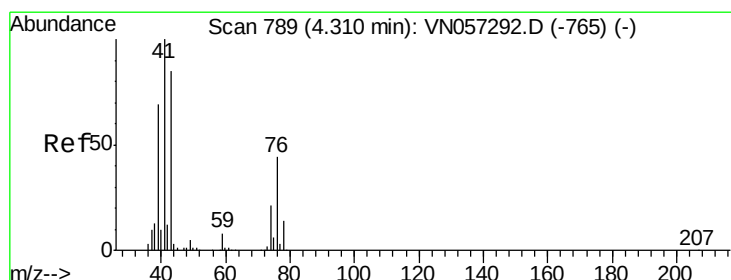
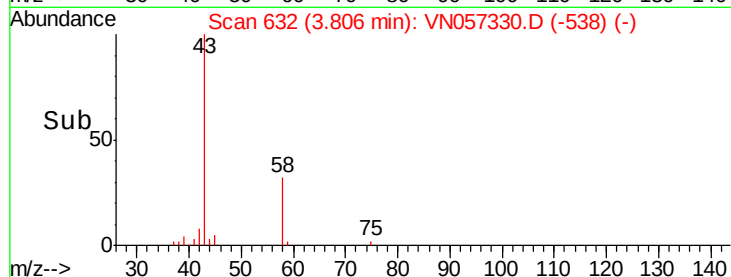
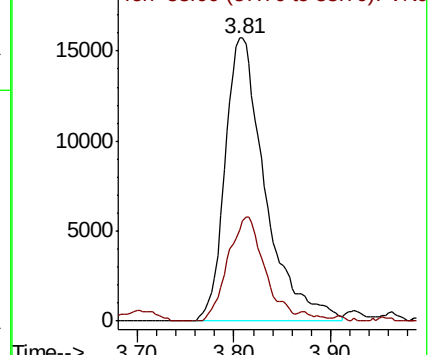
43 100

58 32.3 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-603) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN057330.D

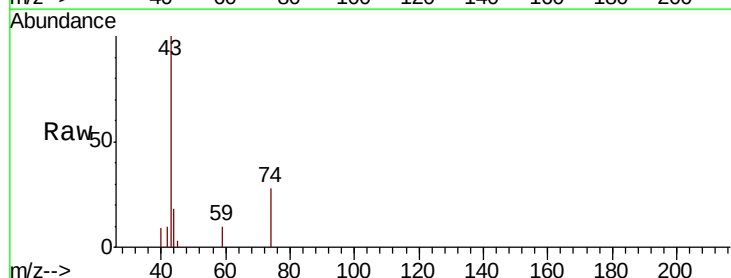
Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 21025

Ion Ratio Lower Upper

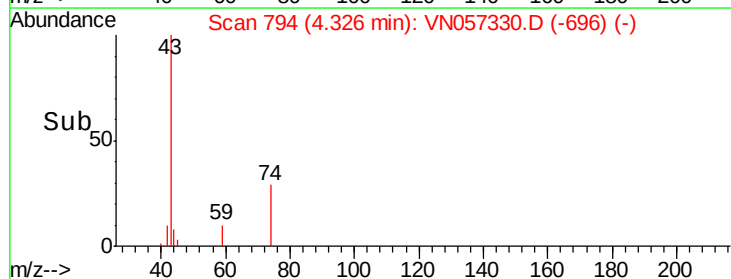
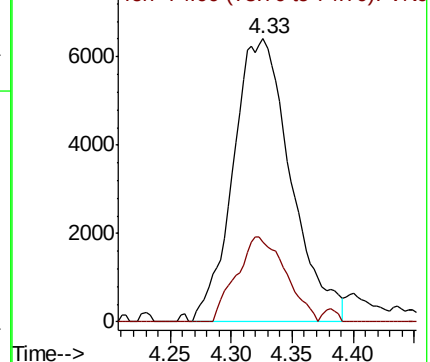
43 100

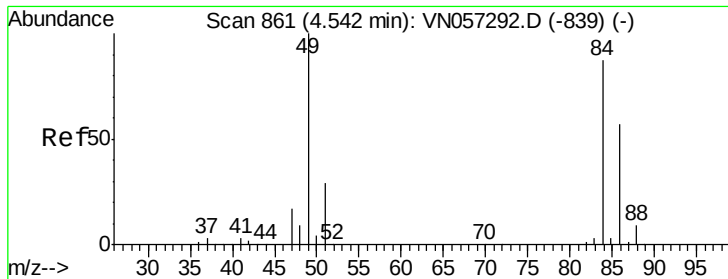
74 25.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN057292.D (-765) (-)

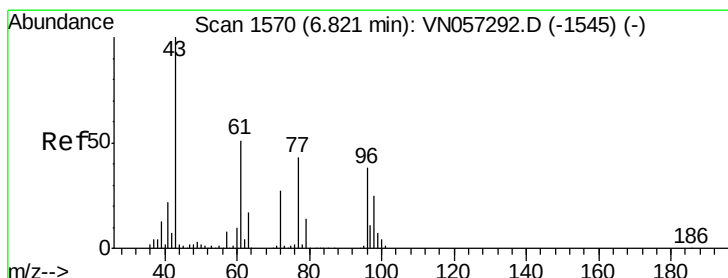
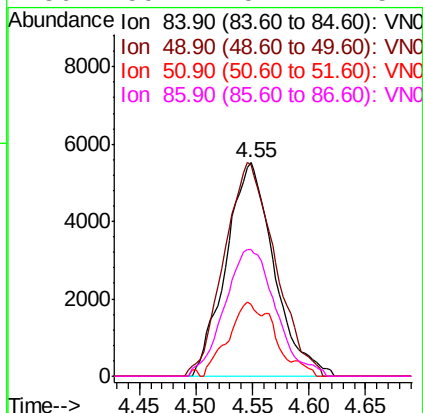
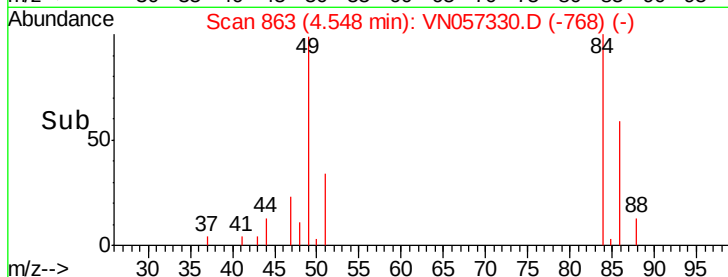
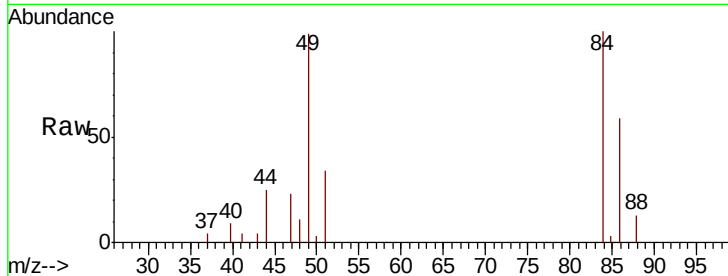




#20
Methylene Chloride
Concen: 1.407 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

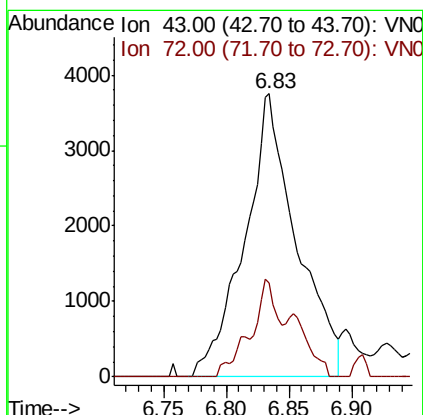
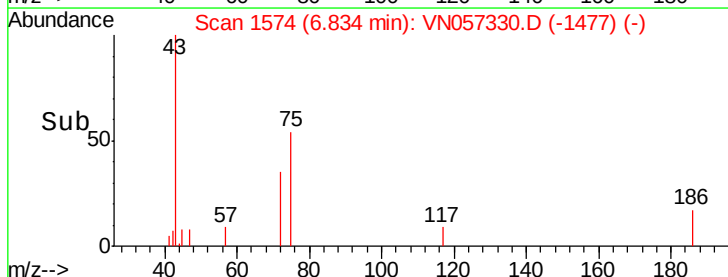
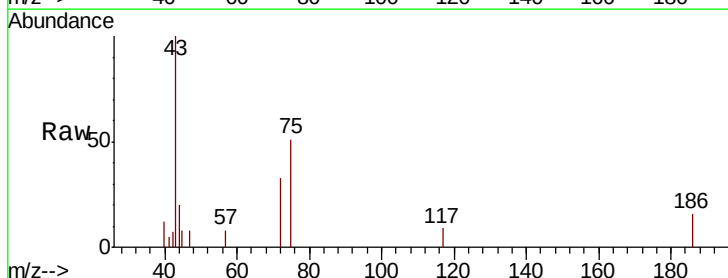
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

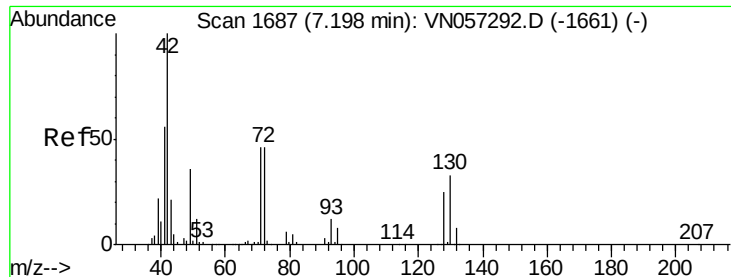
Tgt Ion:	84	Resp:	16299
Ion	Ratio	Lower	Upper
84	100		
49	98.9	92.0	138.0
51	33.6	27.1	40.7
86	59.2	52.2	78.2



#25
2-Butanone
Concen: 1.801 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Tgt Ion:	43	Resp:	10800
Ion	Ratio	Lower	Upper
43	100		
72	33.1	21.5	32.3#





#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C2-(3)

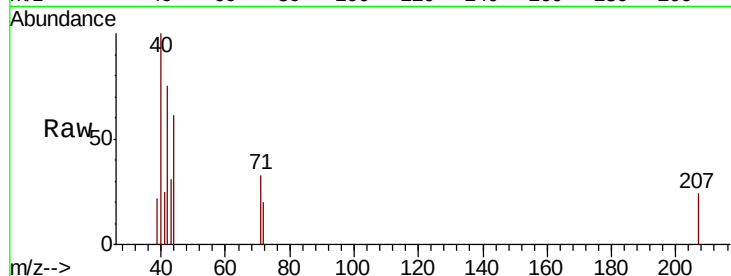
Tgt Ion: 42 Resp: 1142

Ion Ratio Lower Upper

42 100

72 29.4 37.8 56.6#

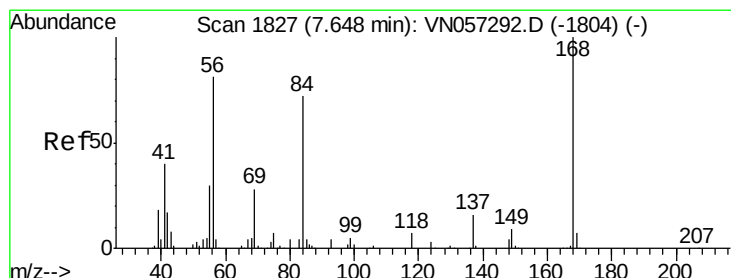
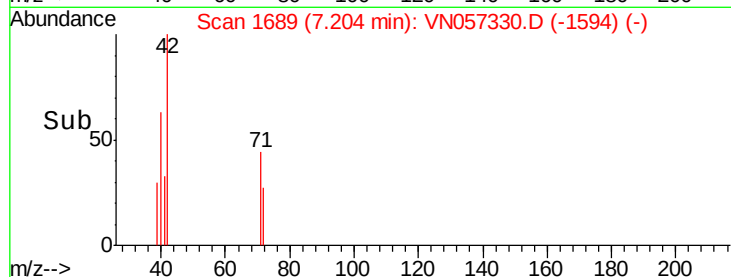
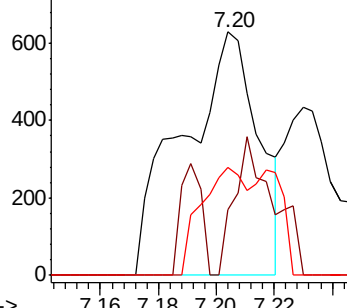
71 26.3 35.7 53.5#



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: 0.932 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

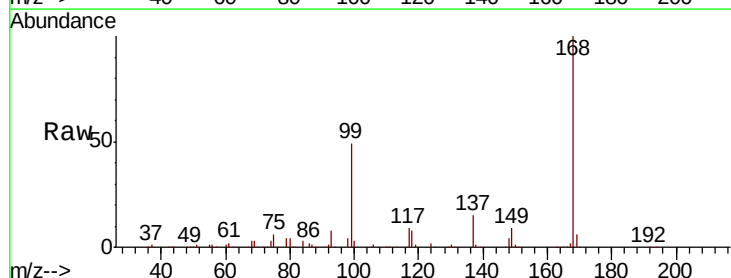
Tgt Ion: 56 Resp: 15154

Ion Ratio Lower Upper

56 100

69 201.8 27.3 40.9#

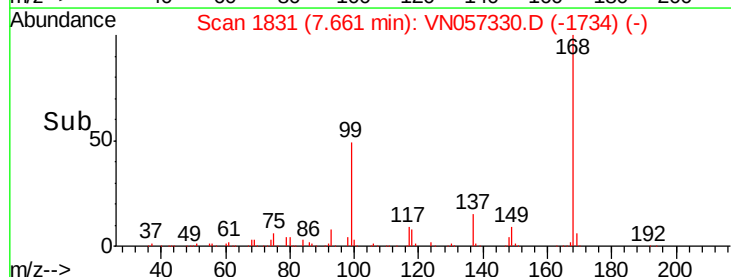
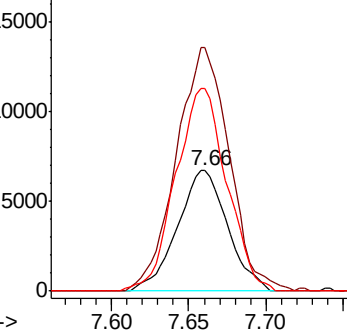
84 168.3 71.0 106.6#

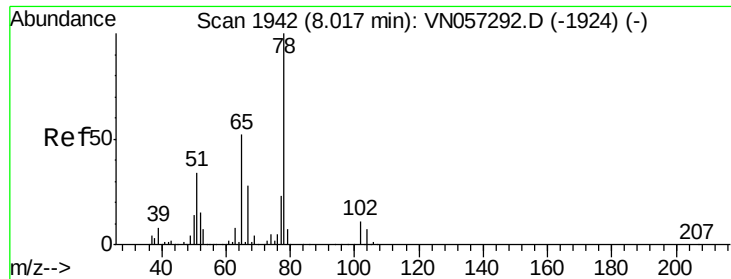


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

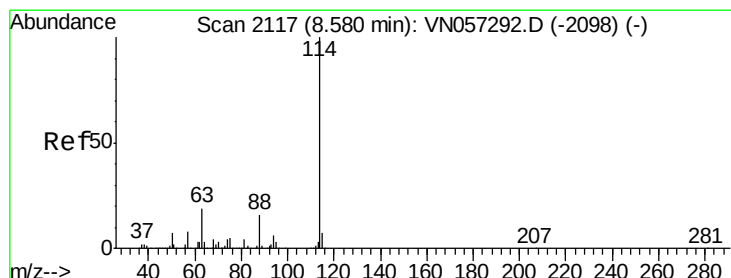
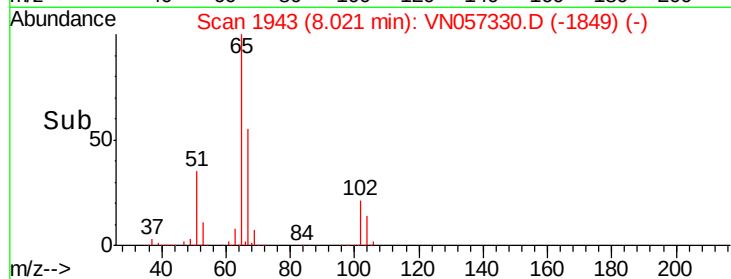
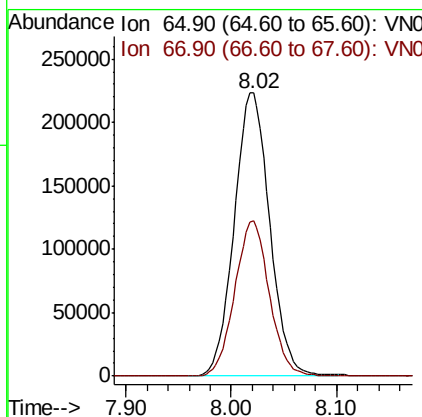
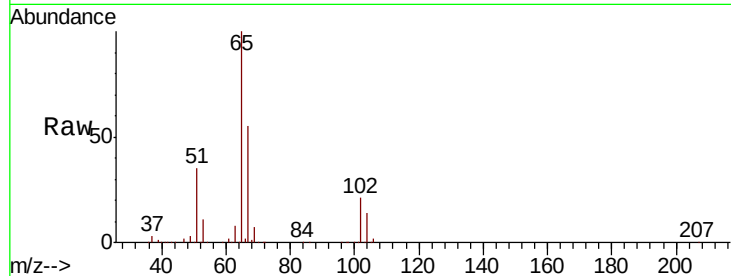




#33
 1,2-Dichloroethane-d4
 Concen: 43.680 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

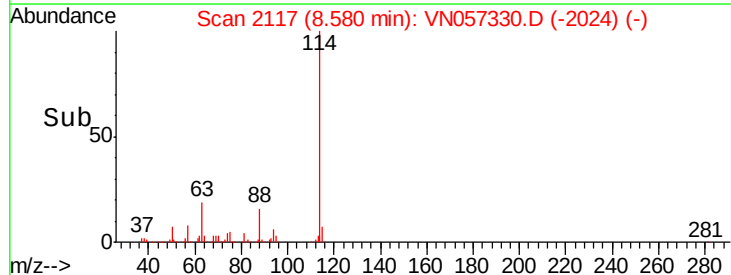
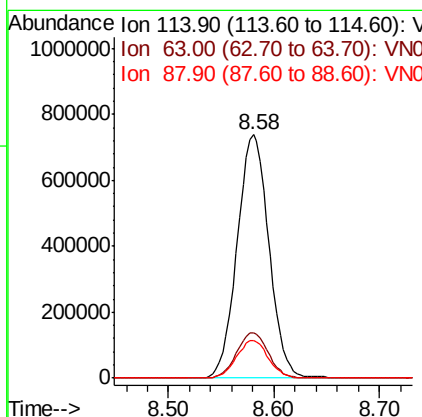
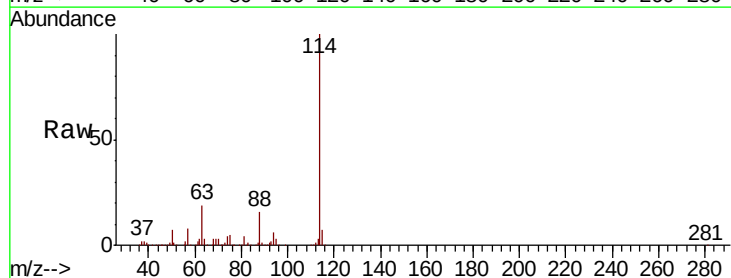
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C2-(3)

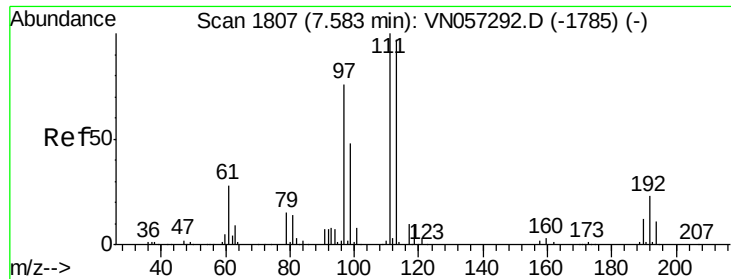
Tgt Ion: 65 Resp: 521298
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 114 Resp: 1545314
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.8
 88 15.6 0.0 31.4

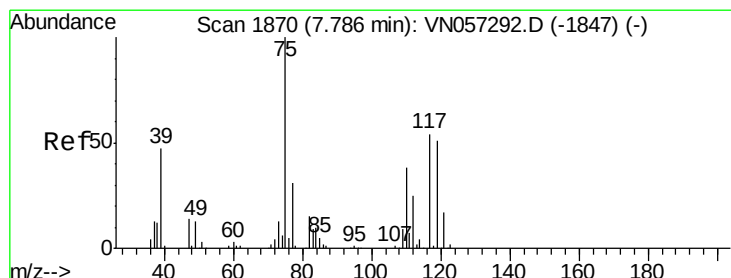
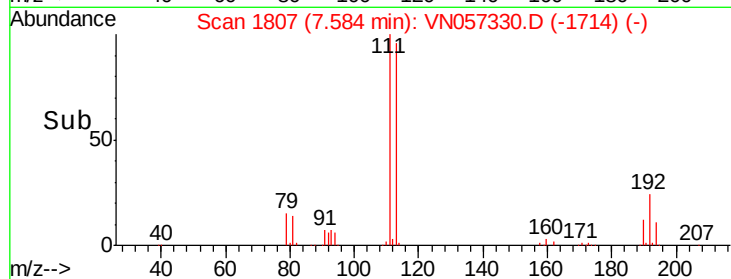
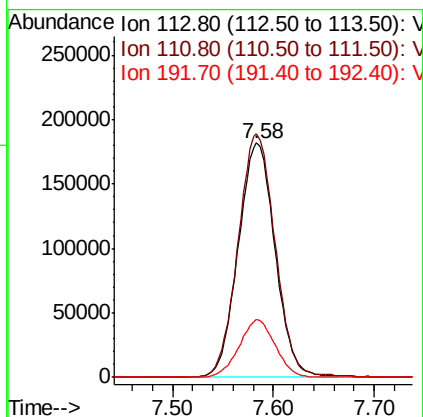
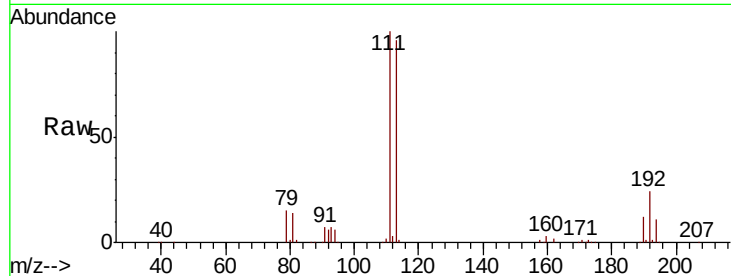




#35
 Dibromofluoromethane
 Concen: 45.517 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

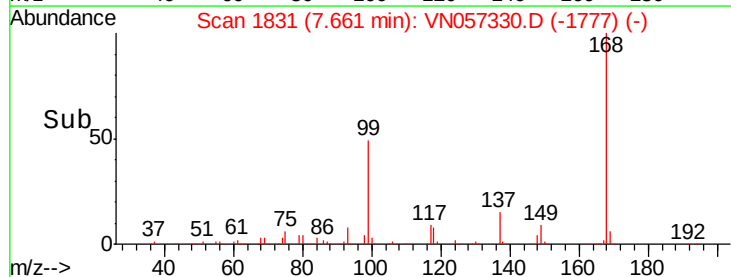
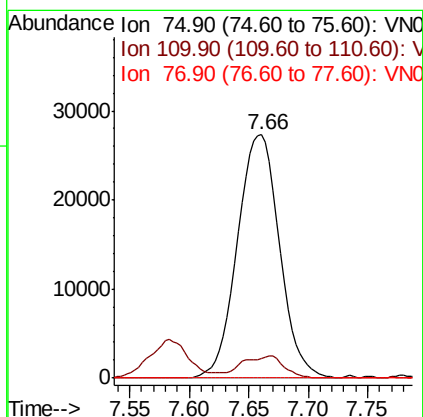
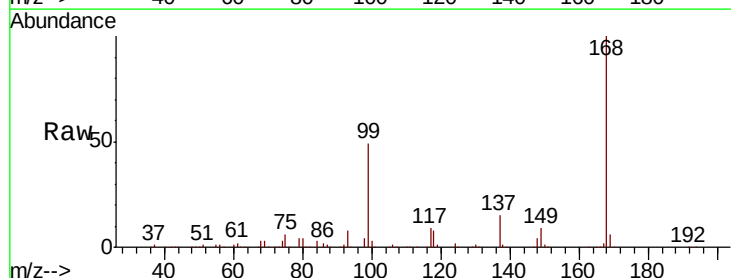
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C2-(3)

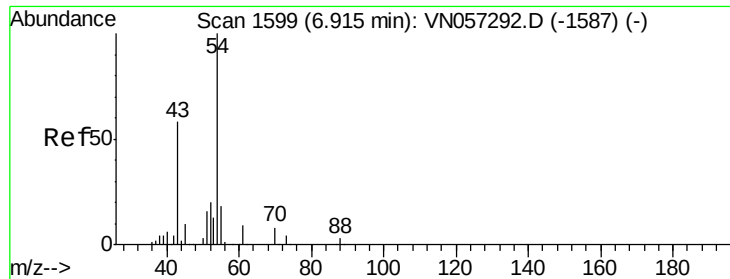
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.1	123.1
192	23.9	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN057330.D
 Acq: 15 Aug 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.5	58.5#
77	0.0	25.0	37.6#

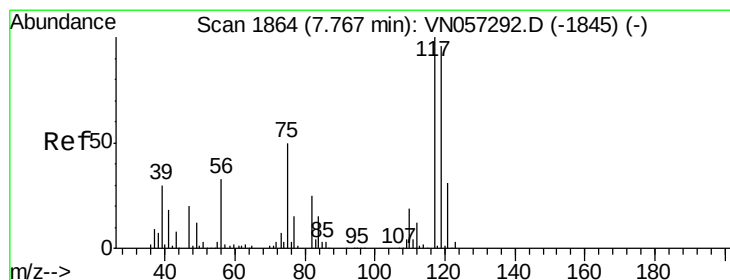
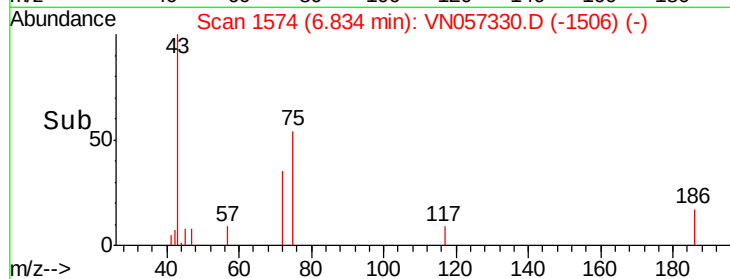
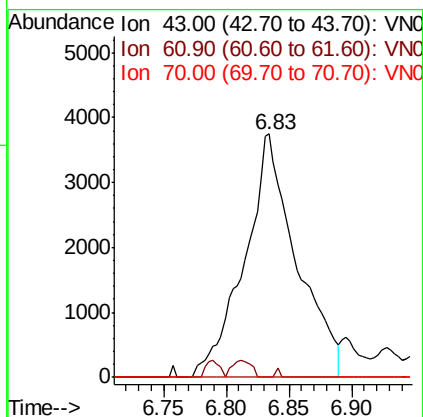
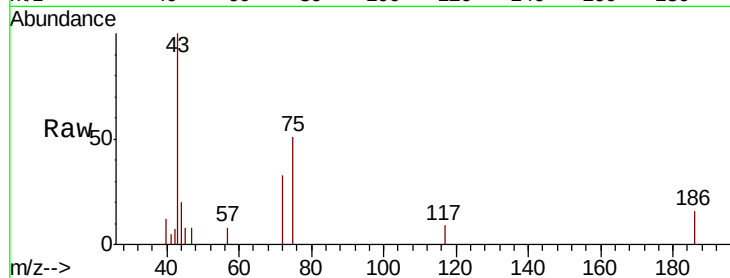




#37
Ethyl Acetate
Concen: 0.966 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.08 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

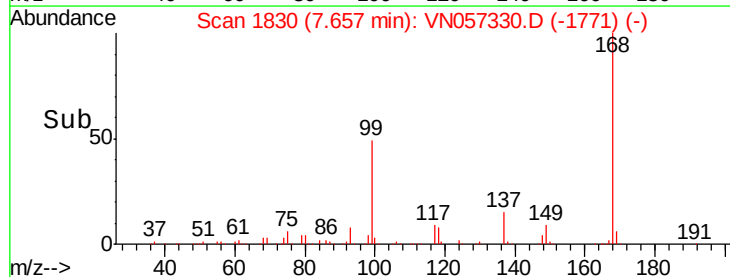
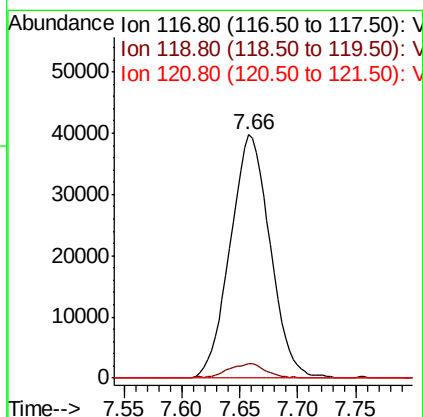
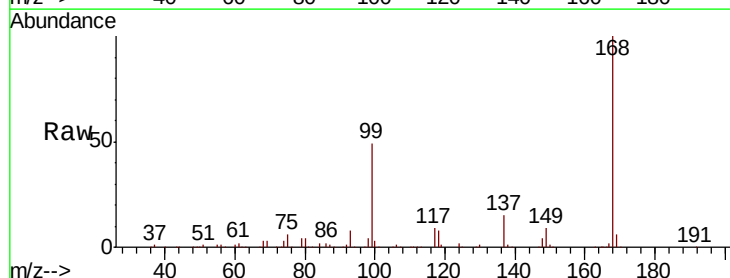
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

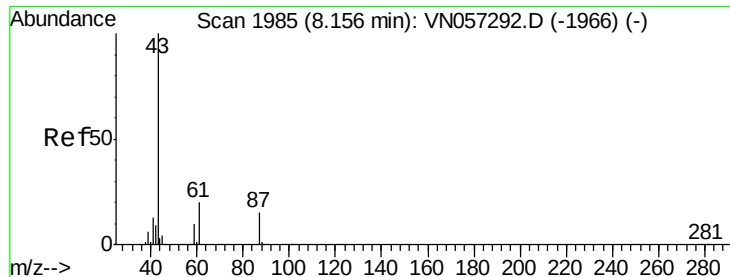
Tgt Ion: 43 Resp: 10800
Ion Ratio Lower Upper
43 100
61 0.3 12.0 18.0#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 117 Resp: 94905
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 9.133 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C2-(3)

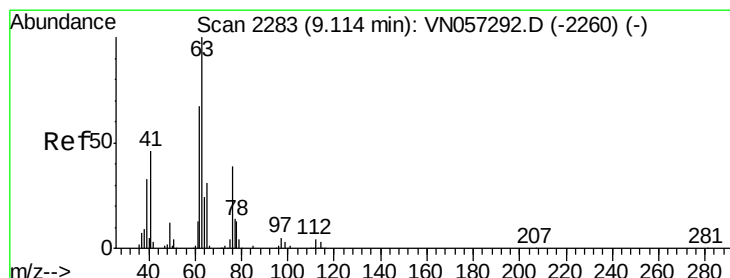
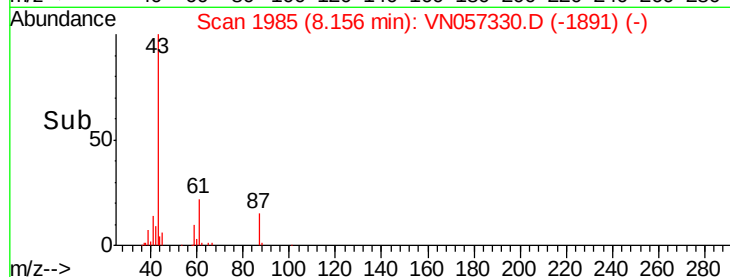
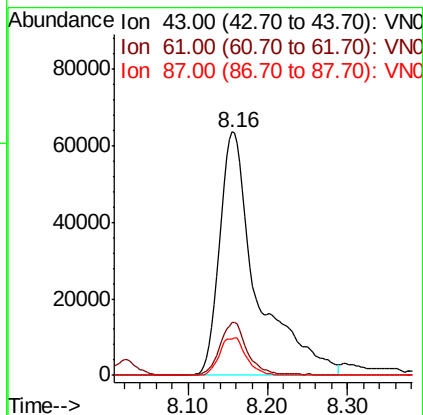
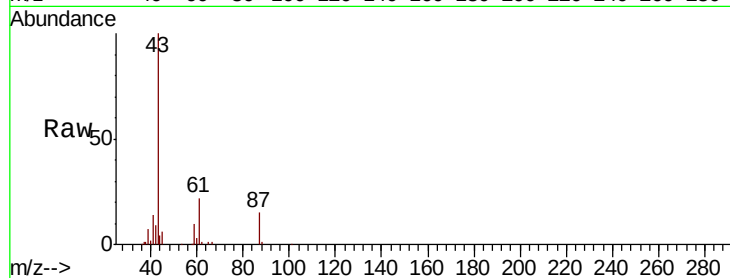
Tgt Ion: 43 Resp: 205494

Ion Ratio Lower Upper

43 100

61 15.8 21.6 32.4#

87 11.0 11.4 17.0#



#45

1,2-Dichloropropane

Concen: 0.304 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057330.D

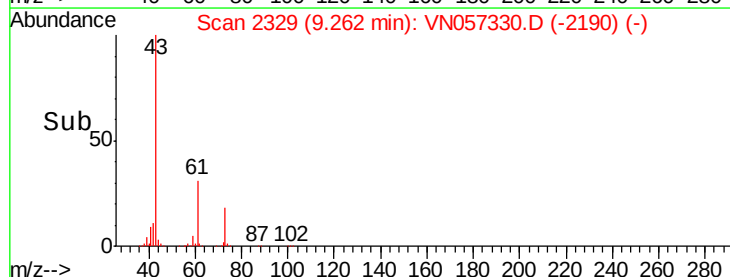
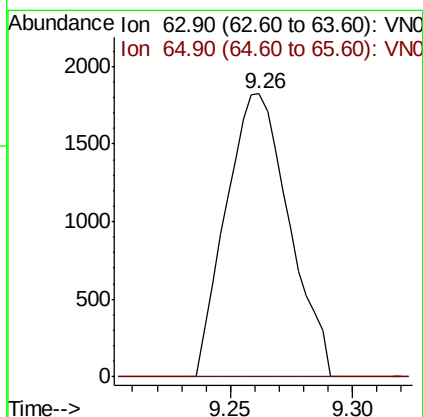
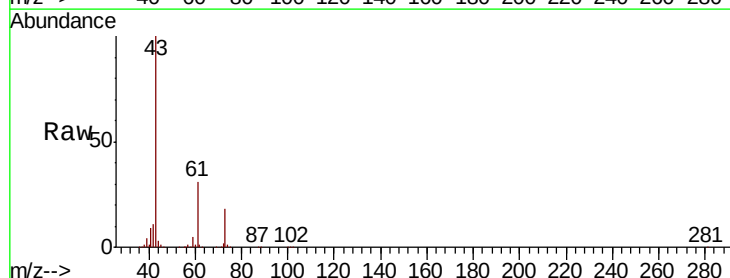
Acq: 15 Aug 2019 14:39

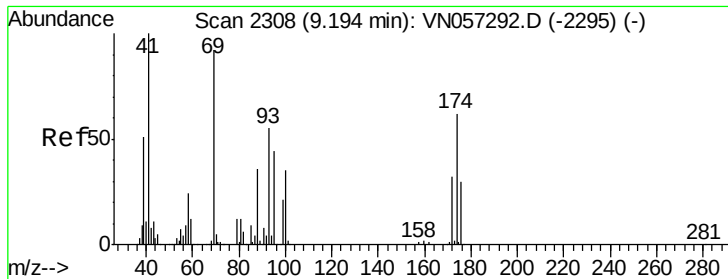
Tgt Ion: 63 Resp: 3273

Ion Ratio Lower Upper

63 100

65 0.0 24.8 37.2#

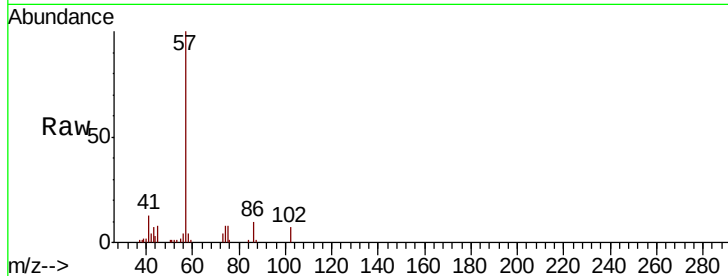




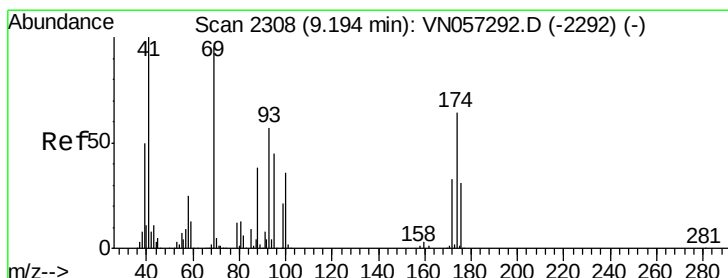
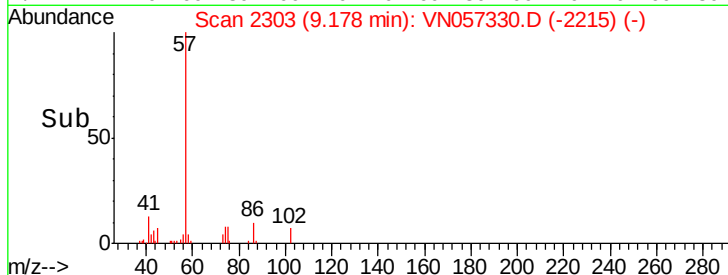
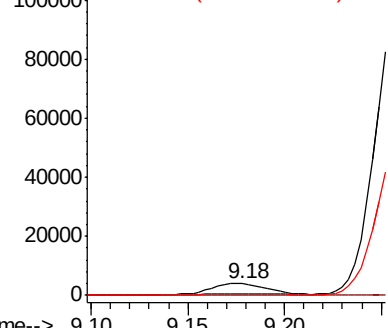
#48
Methyl methacrylate
Concen: 0.937 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

Tgt Ion: 41 Resp: 8627
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 42.3 63.5#

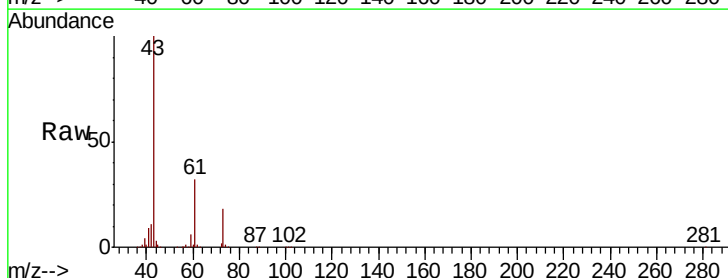


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

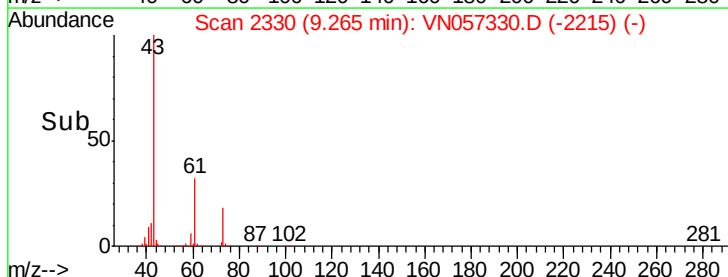
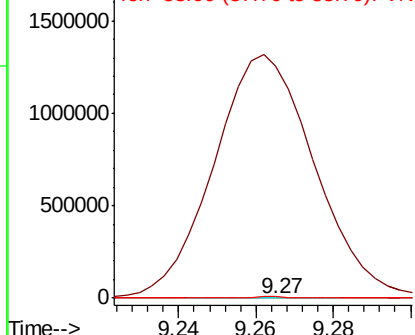


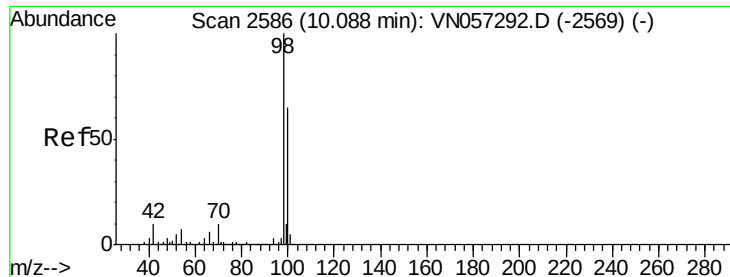
#49
1,4-Dioxane
Concen: 2.372 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 88 Resp: 459
Ion Ratio Lower Upper
88 100
43 527731.2 22.9 34.3#
58 2430.7 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: 48.537 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

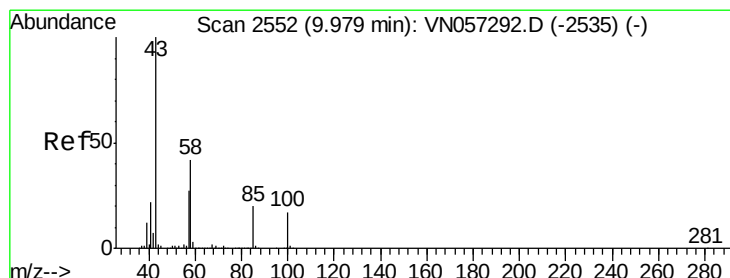
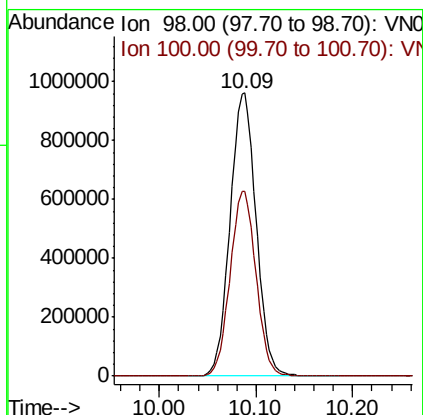
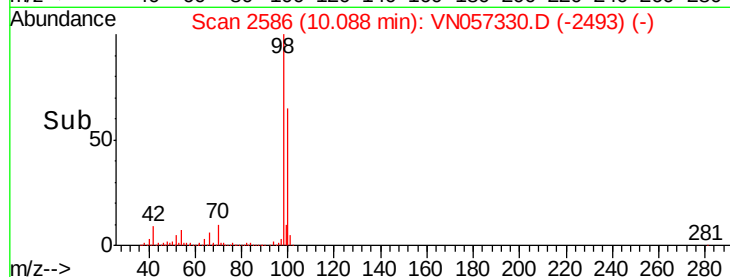
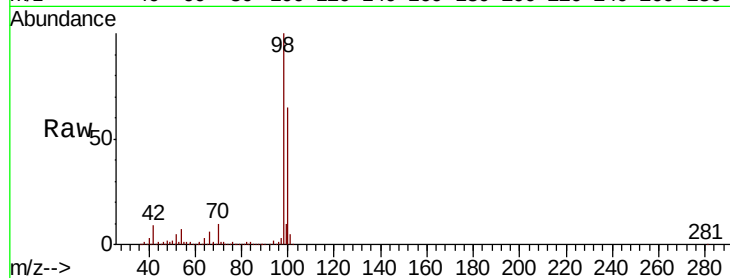
REACTOR-3-C2-(3)

Tgt Ion: 98 Resp: 1798296

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.773 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057330.D

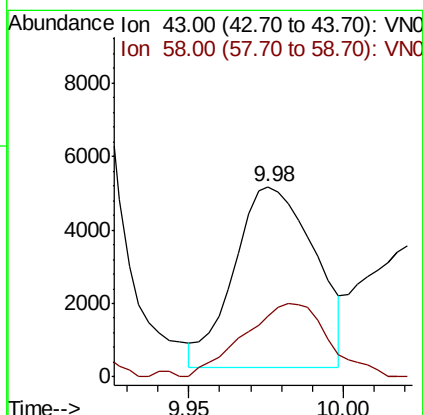
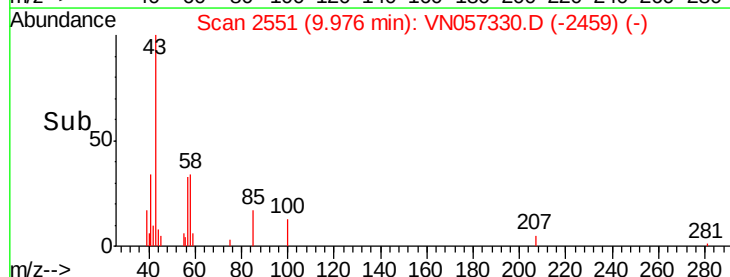
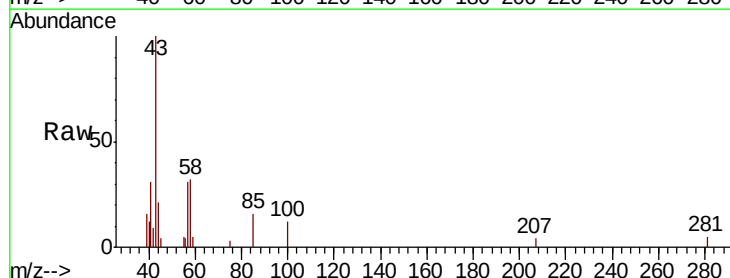
Acq: 15 Aug 2019 14:39

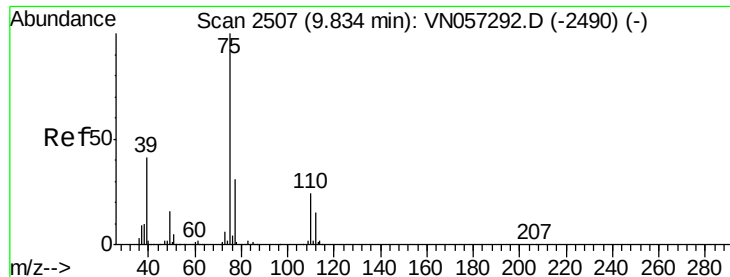
Tgt Ion: 43 Resp: 8915

Ion Ratio Lower Upper

43 100

58 42.4 33.2 49.8





#54

cis-1,3-Dichloropropene

Concen: 4.356 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C2-(3)

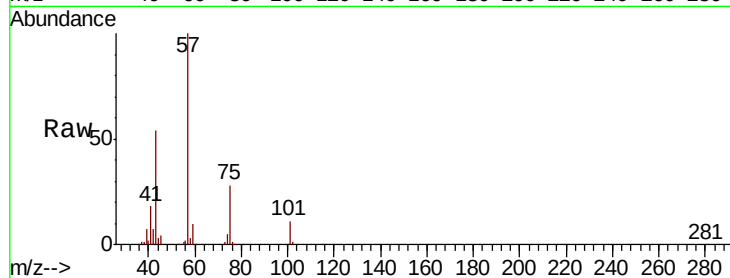
Tgt Ion: 75 Resp: 73867

Ion Ratio Lower Upper

75 100

77 0.7 24.9 37.3#

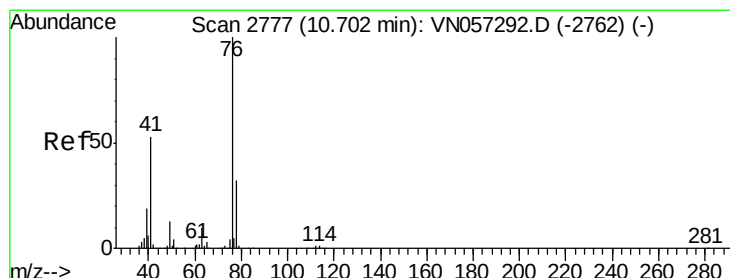
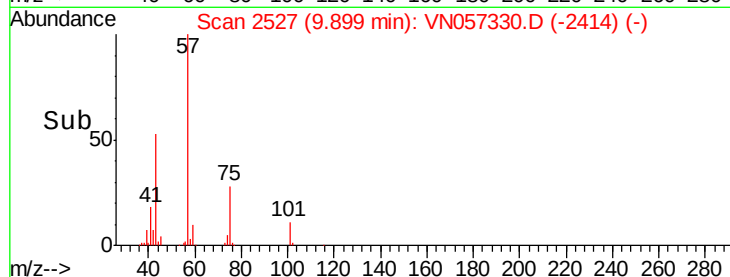
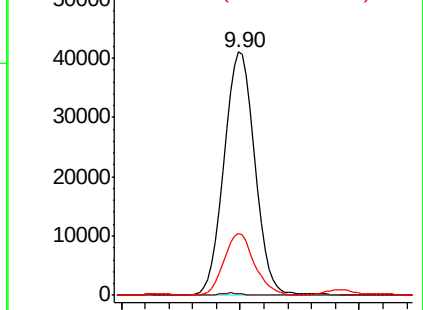
39 25.6 32.7 49.1#



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-Dichloropropene

Concen: 0.692 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057330.D

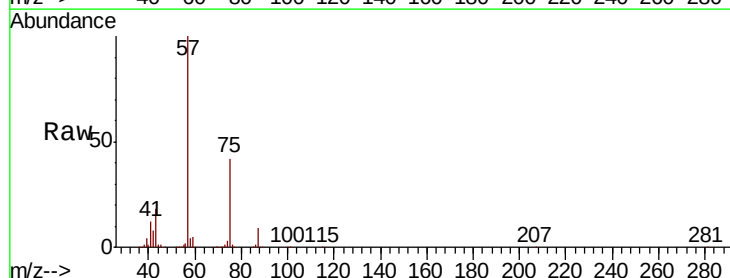
Acq: 15 Aug 2019 14:39

Tgt Ion: 76 Resp: 11807

Ion Ratio Lower Upper

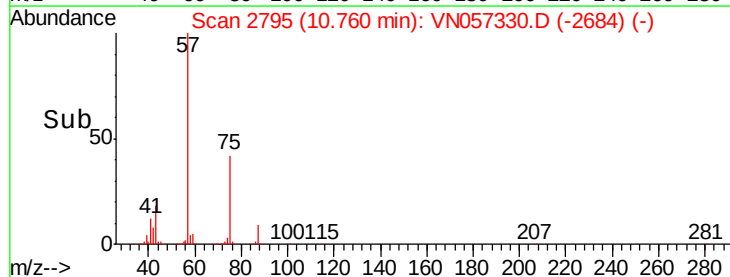
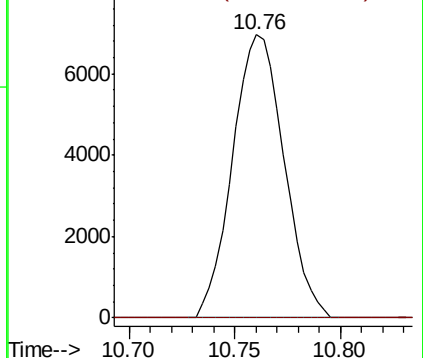
76 100

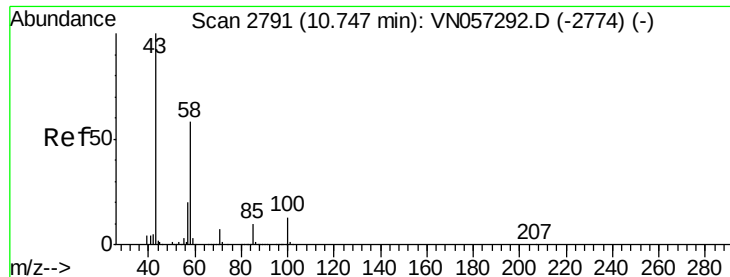
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

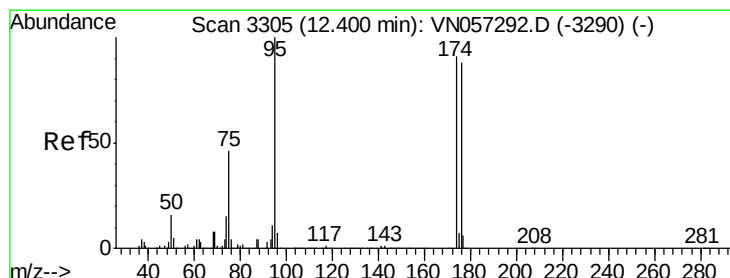
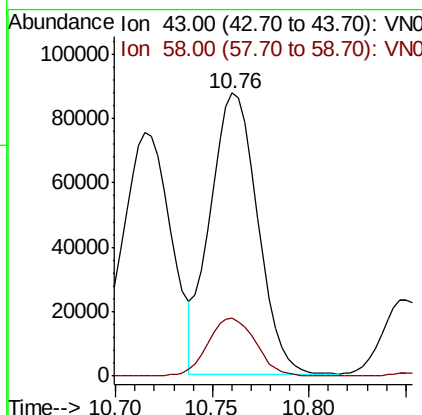
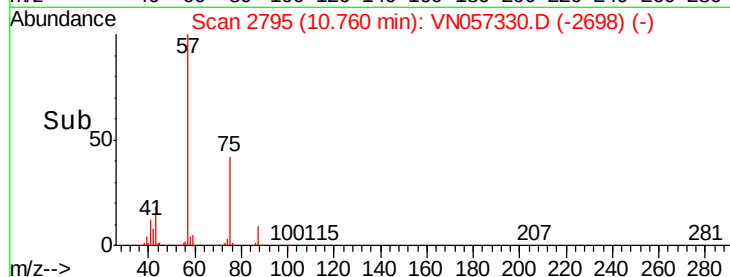
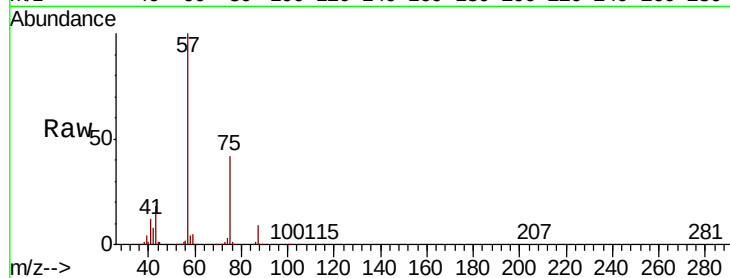




#59
2-Hexanone
Concen: 18.069 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

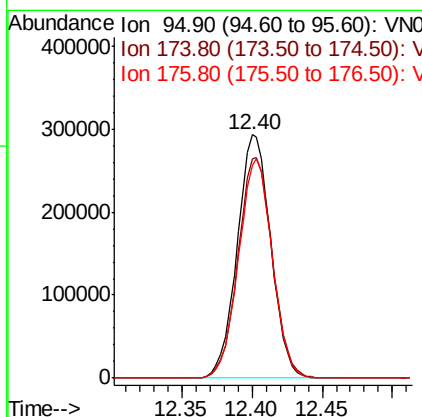
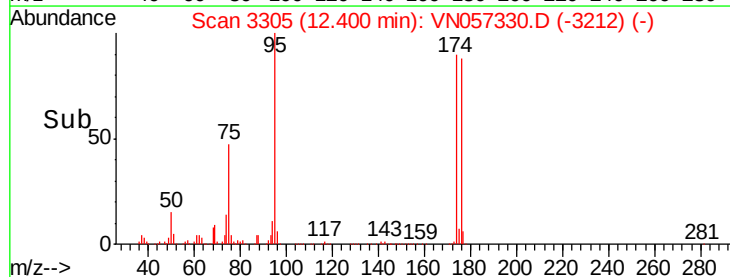
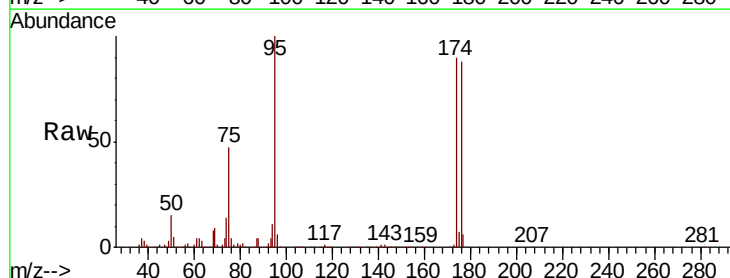
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

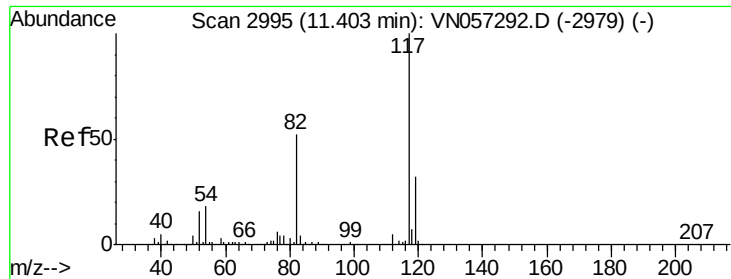
Tgt Ion: 43 Resp: 149765
Ion Ratio Lower Upper
43 100
58 20.7 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 37.391 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 95 Resp: 489566
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.0
176 90.3 0.0 181.0

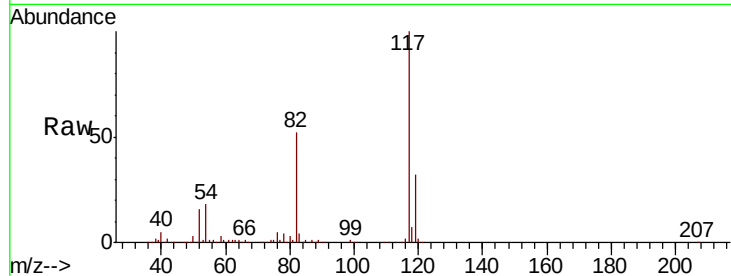




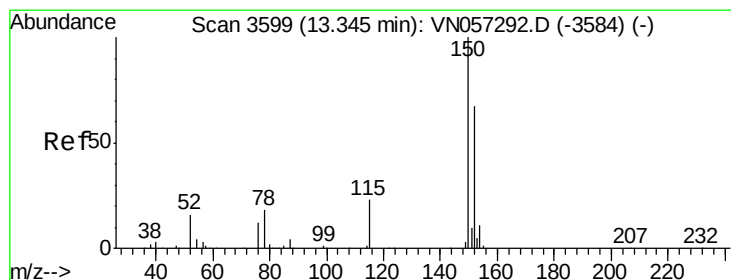
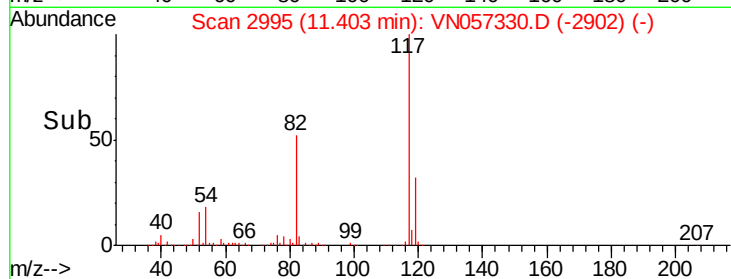
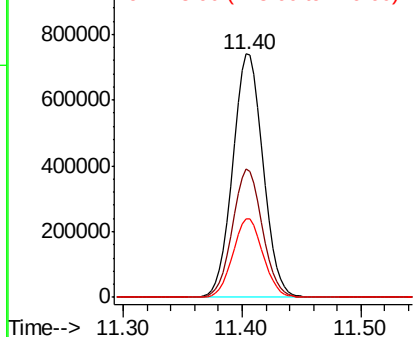
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

Tgt Ion:117 Resp: 1302935
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.4 25.8 38.8

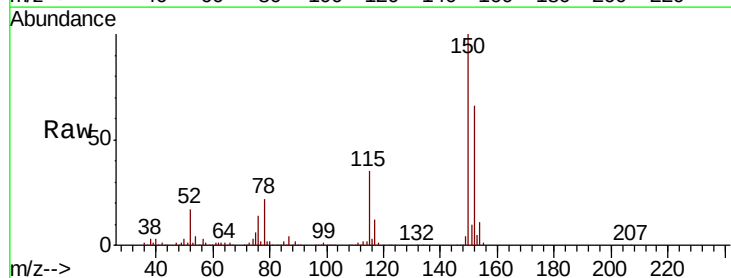


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

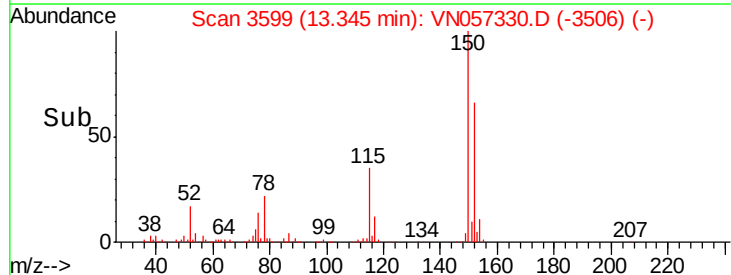
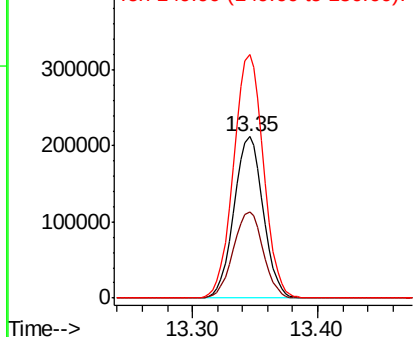


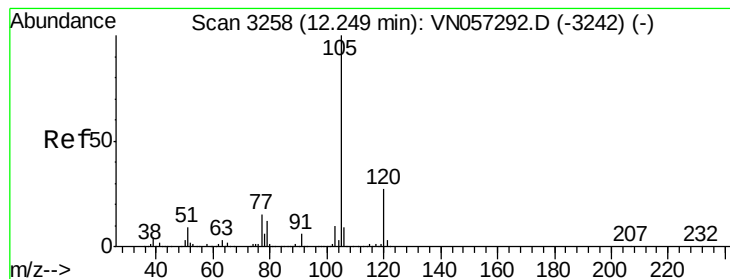
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057330.D
Acq: 15 Aug 2019 14:39

Tgt Ion:152 Resp: 343162
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 154.3 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: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

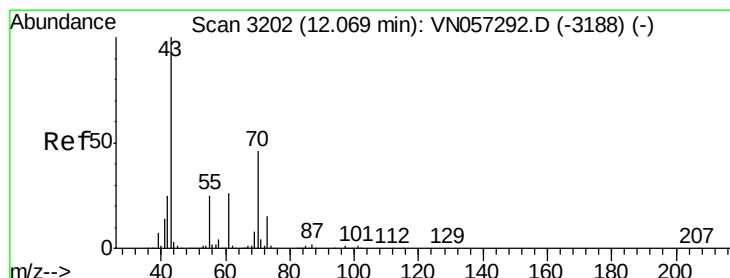
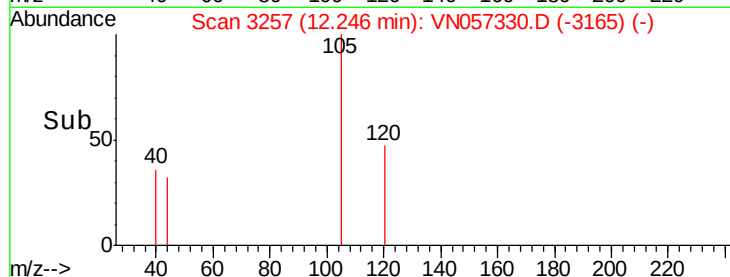
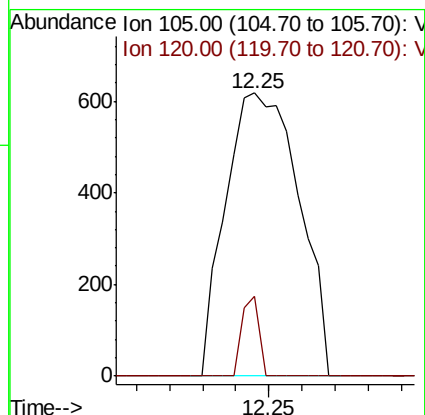
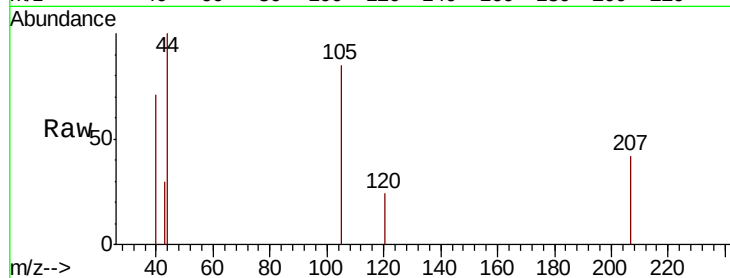
REACTOR-3-C2-(3)

Tgt Ion: 105 Resp: 951

Ion Ratio Lower Upper

105 100

120 6.5 13.2 39.6#



#74

N-ethyl acetate

Concen: 0.611 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 6081

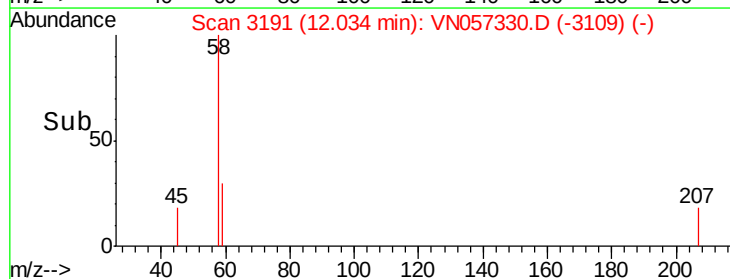
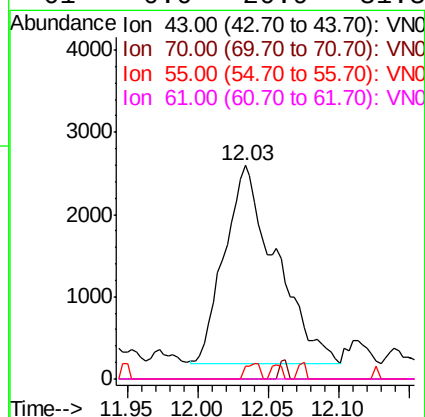
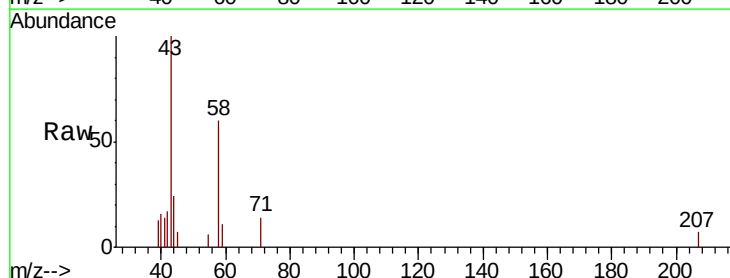
Ion Ratio Lower Upper

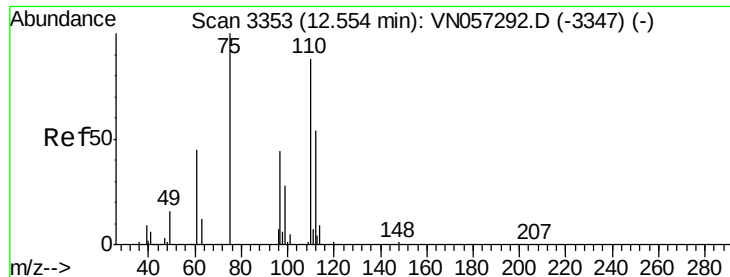
43 100

70 0.0 36.2 54.2#

55 2.2 20.1 30.1#

61 0.0 20.9 31.3#





#76

1,2,3-Trichloropropane

Concen: 33.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

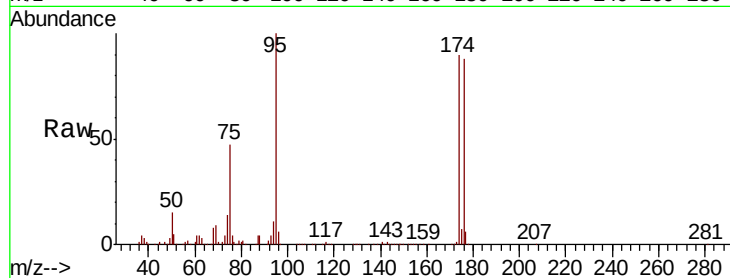
REACTOR-3-C2-(3)

Tgt Ion: 75 Resp: 229723

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

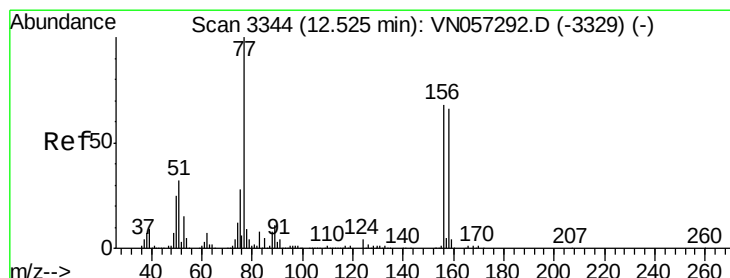
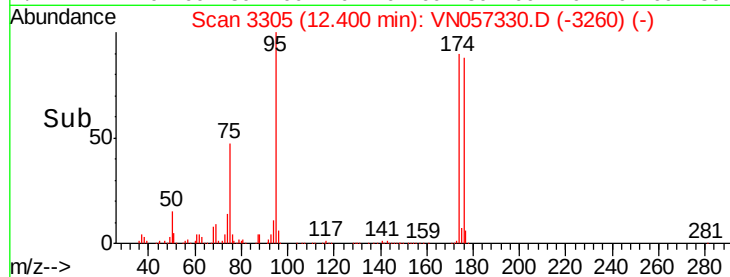
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

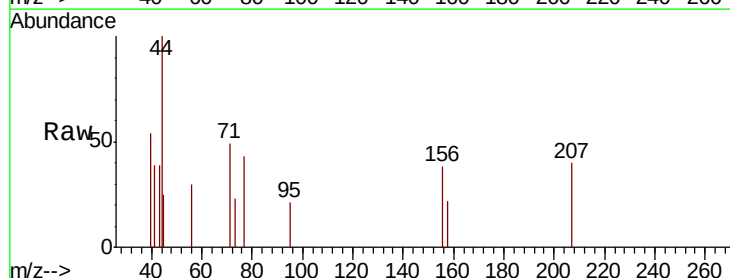
Tgt Ion: 156 Resp: 337

Ion Ratio Lower Upper

156 100

77 146.0 89.8 269.6

158 39.5 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

500

400

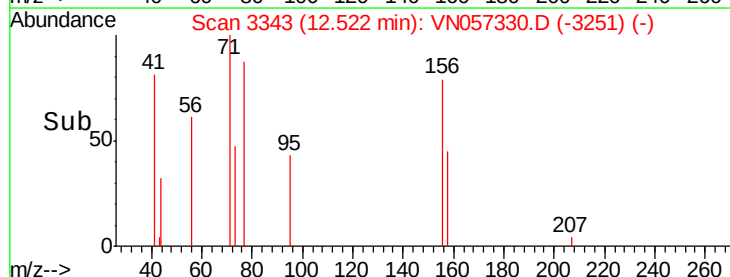
300

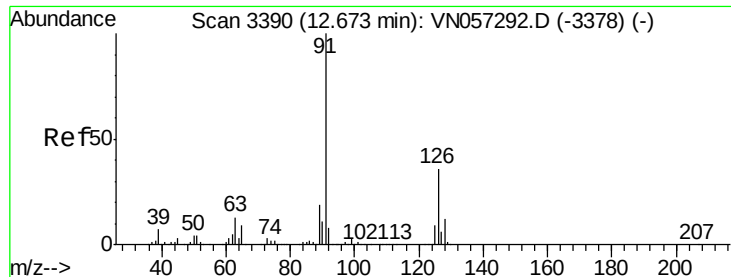
200

100

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

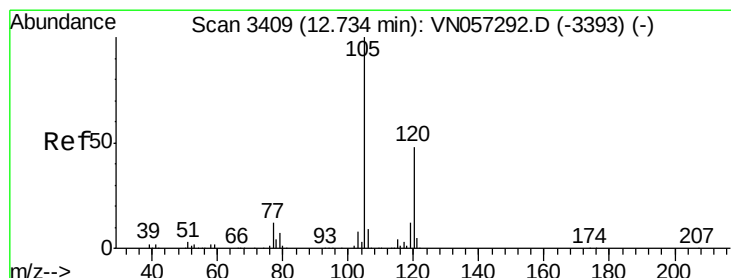
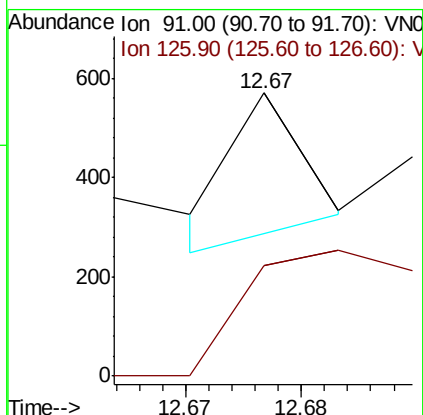
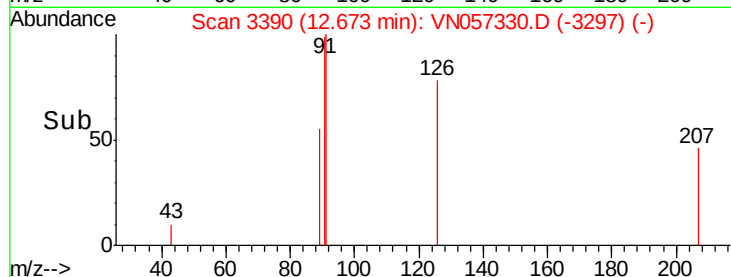
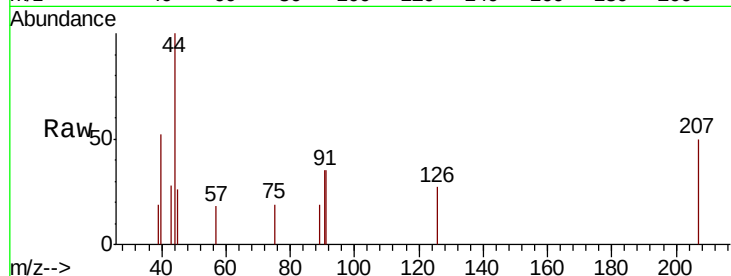
REACTOR-3-C2-(3)

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

126 211.1 18.1 54.1#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057330.D

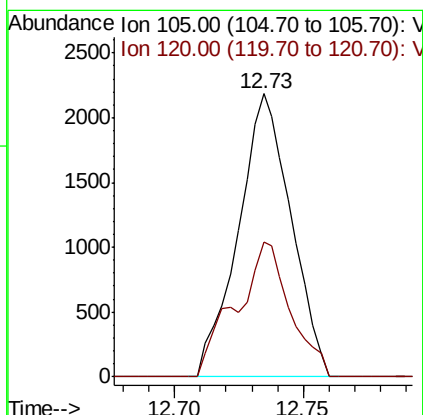
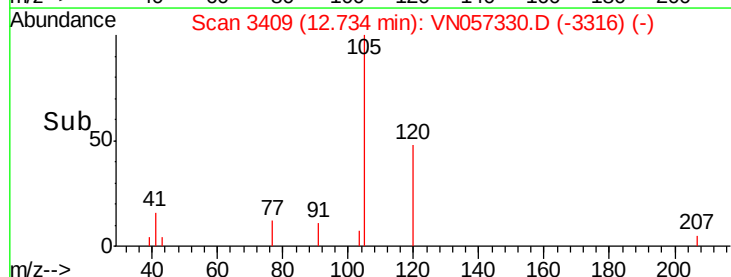
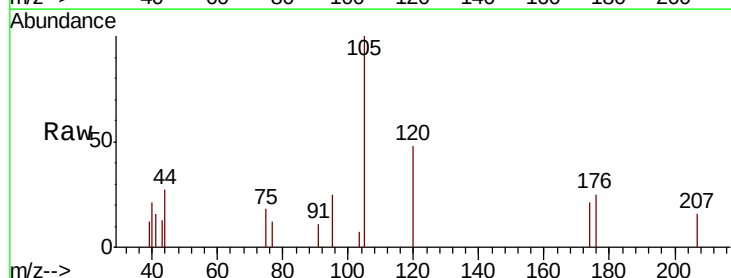
Acq: 15 Aug 2019 14:39

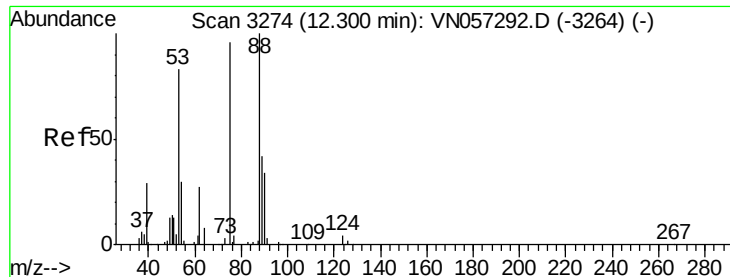
Tgt Ion: 105 Resp: 3120

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.629 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C2-(3)

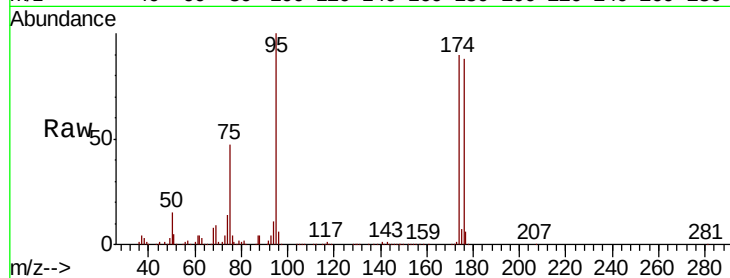
Tgt Ion: 75 Resp: 229723

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

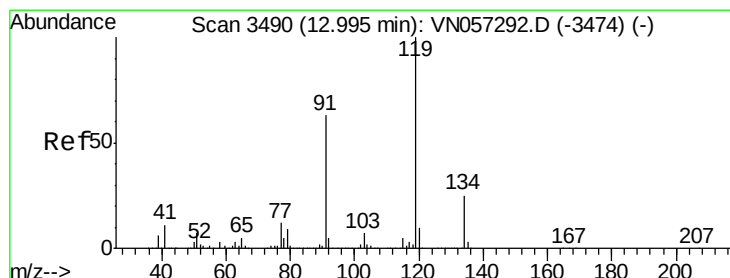
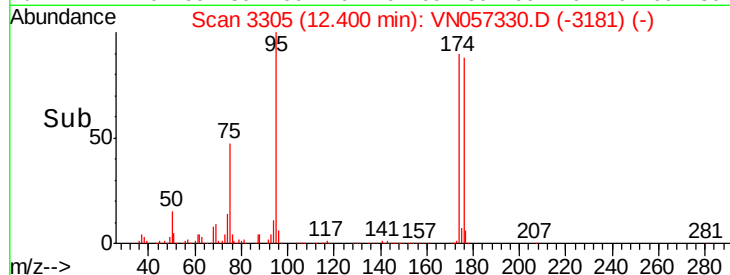
100000

50000

0

12.35 12.40 12.45 12.50

Time-->



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

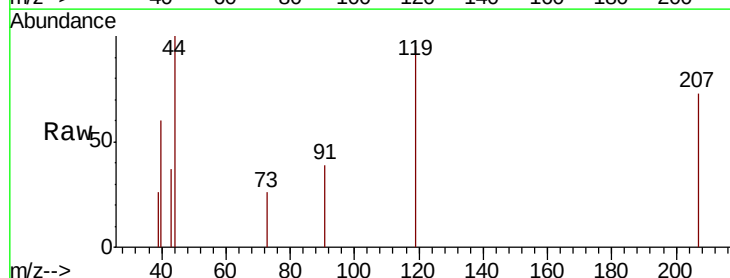
Tgt Ion: 119 Resp: 670

Ion Ratio Lower Upper

119 100

91 58.2 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): VN0

Ion 134.00 (133.70 to 134.70): V

800

600

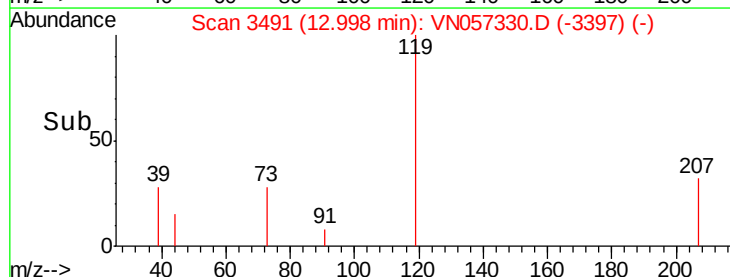
400

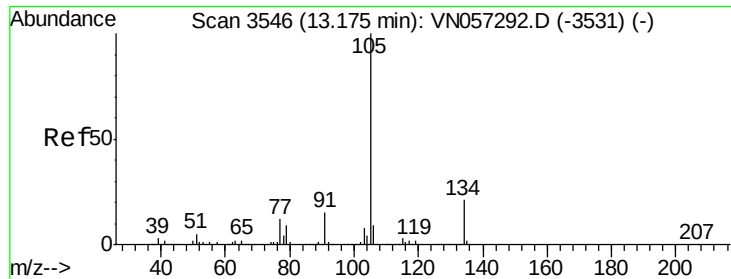
200

0

12.96 12.98 13.00 13.02

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

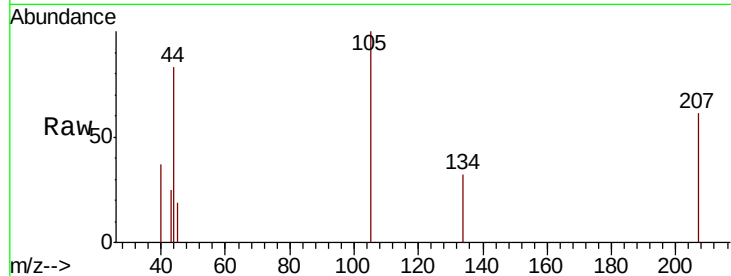
REACTOR-3-C2-(3)

Tgt Ion:105 Resp: 1182

Ion Ratio Lower Upper

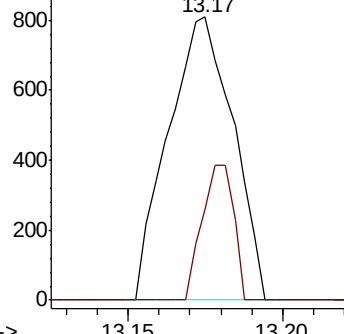
105 100

134 23.1 10.4 31.2

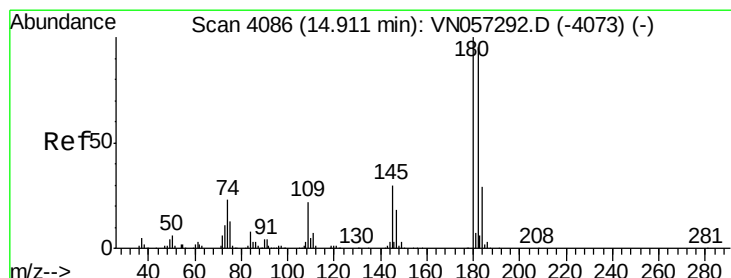
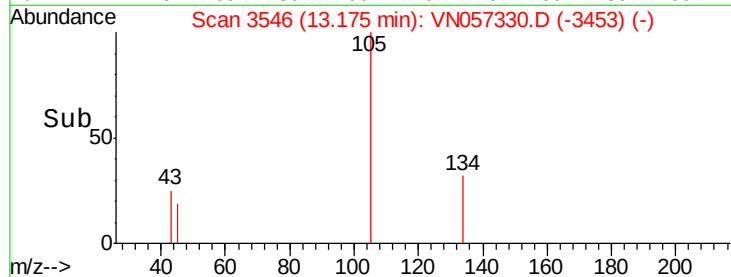


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.511 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057330.D

Acq: 15 Aug 2019 14:39

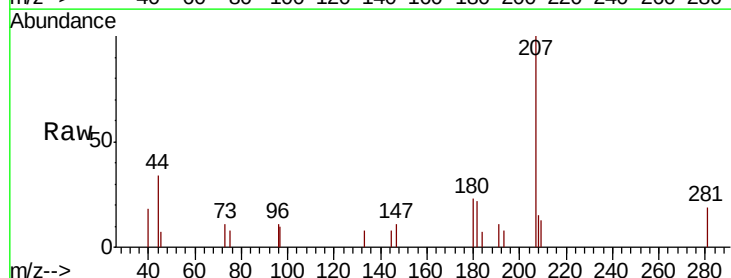
Tgt Ion:180 Resp: 781

Ion Ratio Lower Upper

180 100

182 120.6 48.0 144.2

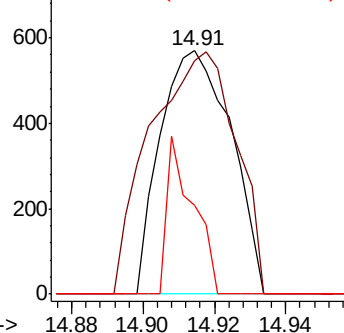
145 24.1 14.5 43.6



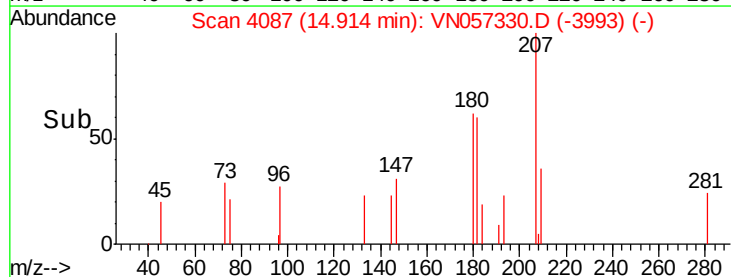
Abundance Ion 179.80 (179.50 to 180.50): V

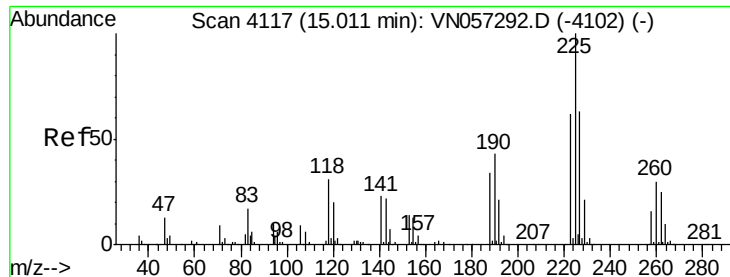
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

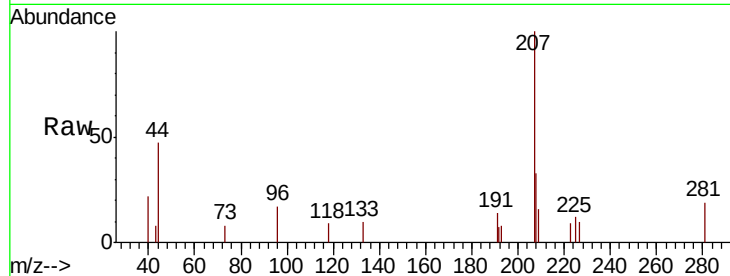
Delta R.T. 0.00 min

Lab File: VN057330.D

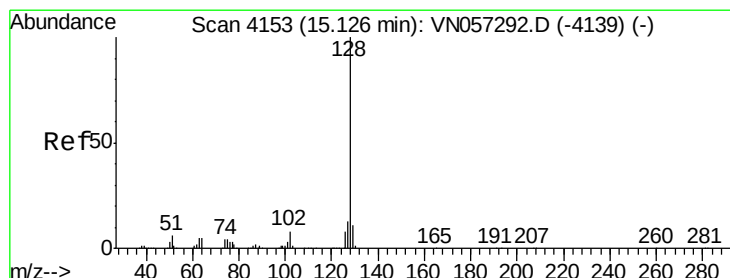
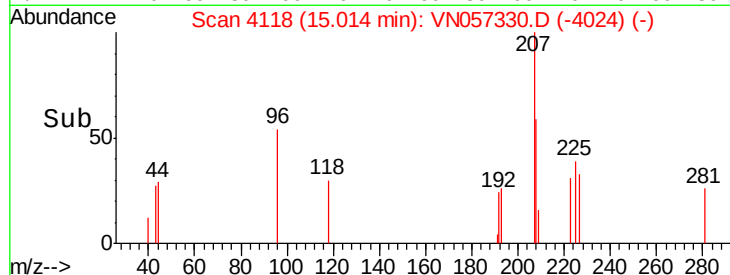
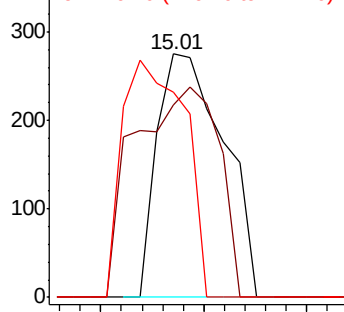
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C2-(3)

Tgt Ion:	225	Resp:	246
Ion	Ratio	Lower	Upper
225	100		
223	109.3	30.7	92.1#
227	91.5	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

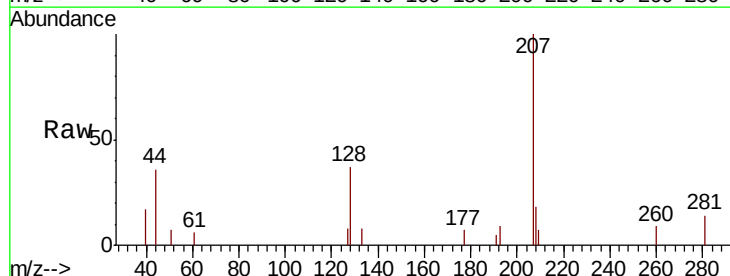
RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

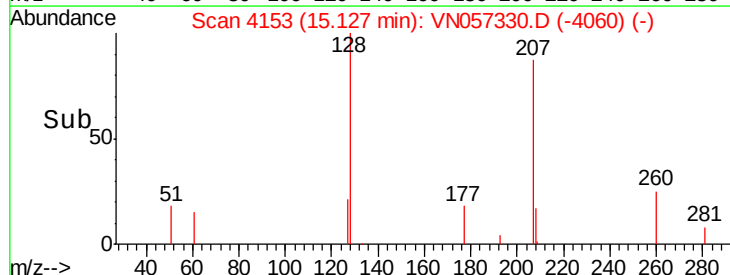
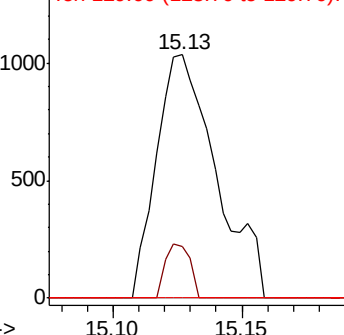
Lab File: VN057330.D

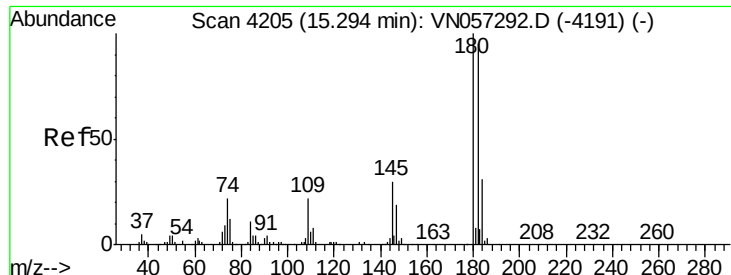
Acq: 15 Aug 2019 14:39

Tgt Ion:	128	Resp:	1665
Ion	Ratio	Lower	Upper
128	100		
127	9.0	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: VN057330.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C2-(3)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	73.4	47.9	143.6
145	19.3	15.1	45.3

