

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057364.D
 Acq On : 16 Aug 2019 19:35
 Operator : JC/SP
 Sample : K4265-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(3.4)

Quant Time: Aug 17 03:45:14 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	1142724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1588770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1306697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330913	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	511654	41.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.38%	
35) Dibromofluoromethane	7.58	113	468899	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
50) Toluene-d8	10.09	98	1848193	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	475651	35.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.66%	

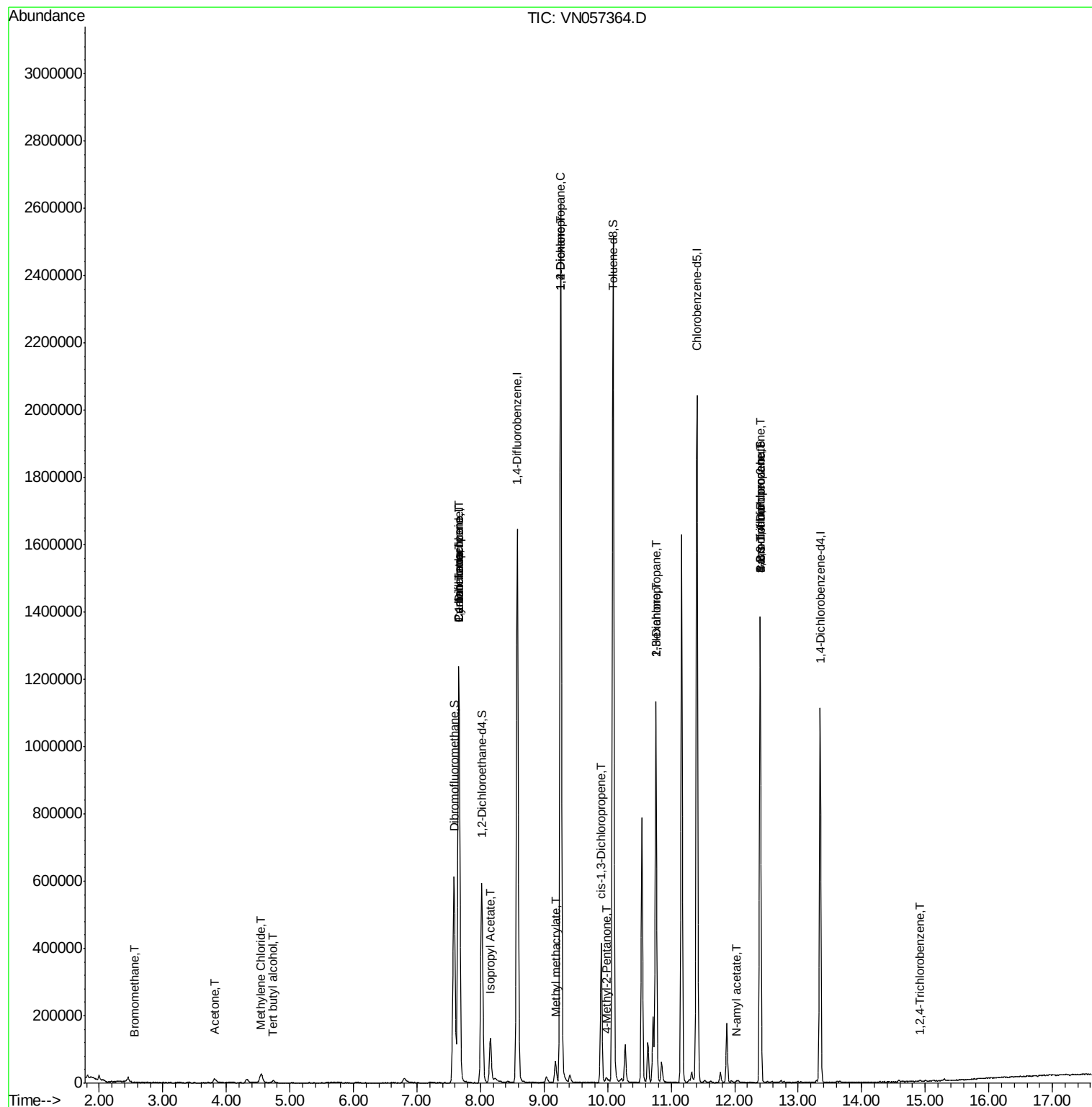
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	1708	0.219	ug/l #	62
11) Tert butyl alcohol	4.74	59	5996	3.395	ug/l #	73
16) Acetone	3.81	43	16822	3.904	ug/l	96
18) Methyl Acetate	4.31	43	20665	Below Cal	#	90
20) Methylene Chloride	4.54	84	22136	1.836	ug/l #	89
31) Cyclohexane	7.65	56	16749	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	67839	4.836	ug/l #	47
38) Carbon Tetrachloride	7.66	117	96197	6.600	ug/l #	16
43) Isopropyl Acetate	8.16	43	160307	6.652	ug/l	94
45) 1,2-Dichloropropane	9.26	63	3392	0.307	ug/l #	44
48) Methyl methacrylate	9.17	41	8399	0.888	ug/l #	11
49) 1,4-Dioxane	9.26	88	536	2.694	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	11619	0.980	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	85446	4.900	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	12313	0.702	ug/l #	43
59) 2-Hexanone	10.76	43	159580	18.727	ug/l #	51
71) Bromoform	12.40	173	4473	0.556	ug/l #	1
73) Isopropylbenzene	12.25	105	1346	Below Cal		82
74) N-amyl acetate	12.03	43	6023	0.627	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.40	83	143	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	219796	33.102	ug/l #	100
77) Bromobenzene	12.53	156	760	Below Cal		91
79) 2-Chlorotoluene	12.68	91	1369	Below Cal		90
80) 1,3,5-Trimethylbenzene	12.73	105	3274	Below Cal		95
81) trans-1,4-Dichloro-2-buten	12.40	75	219796	80.993	ug/l #	15
83) tert-Butylbenzene	12.99	119	530	Below Cal	#	31
85) sec-Butylbenzene	13.17	105	2283	Below Cal	#	76
93) 1,2,4-Trichlorobenzene	14.92	180	1632	5.693	ug/l	95
94) Hexachlorobutadiene	15.01	225	786	Below Cal		70
95) Naphthalene	15.13	128	3379	Below Cal	#	93
96) 1,2,3-Trichlorobenzene	15.30	180	1764	Below Cal		80

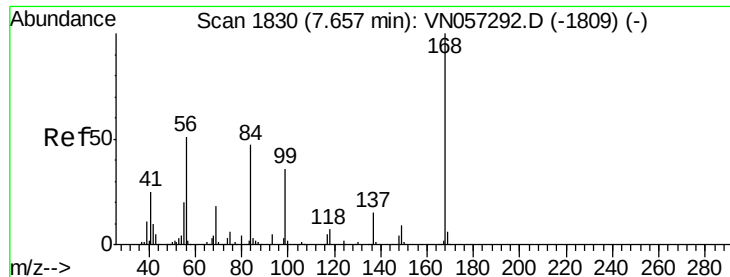
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057364.D

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Instrument :

MSVOA_N

ClientSampleId :

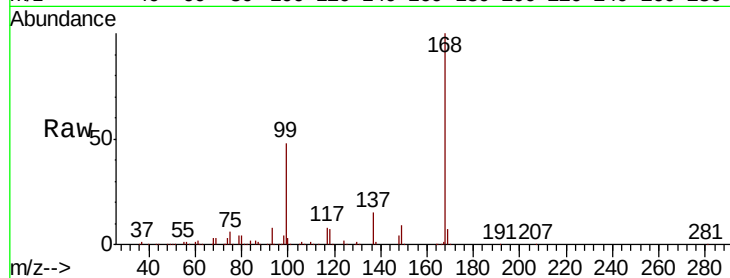
REACTOR-4-C-(3.4)

Tgt Ion:168 Resp: 1142724

Ion Ratio Lower Upper

168 100

99 47.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057364.D

Ion 98.90 (98.60 to 99.60): VN057364.D

7.66

500000

400000

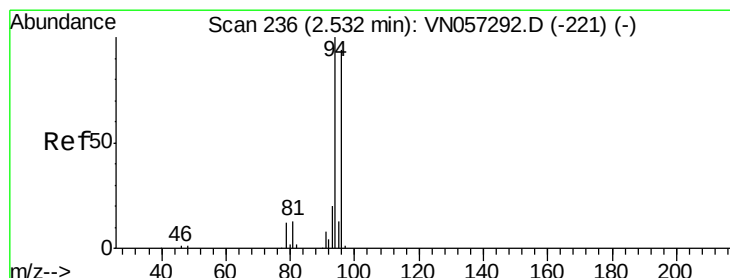
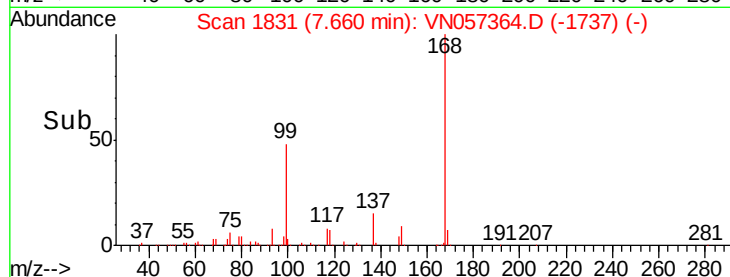
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.219 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN057364.D

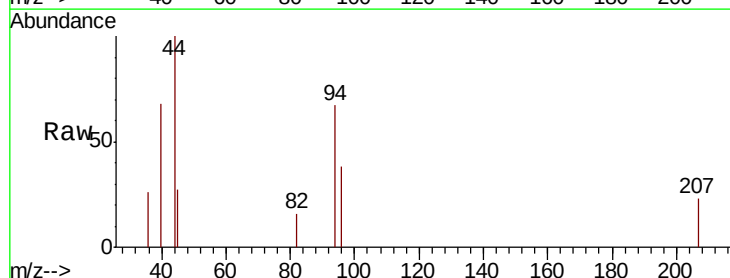
Acq: 16 Aug 2019 19:35

Tgt Ion: 94 Resp: 1708

Ion Ratio Lower Upper

94 100

96 57.6 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VN057364.D

Ion 95.90 (95.60 to 96.60): VN057364.D

2.55

800

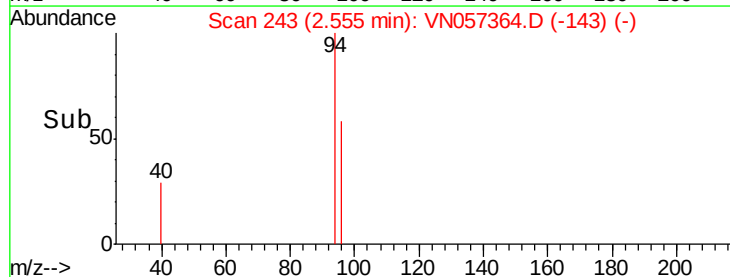
600

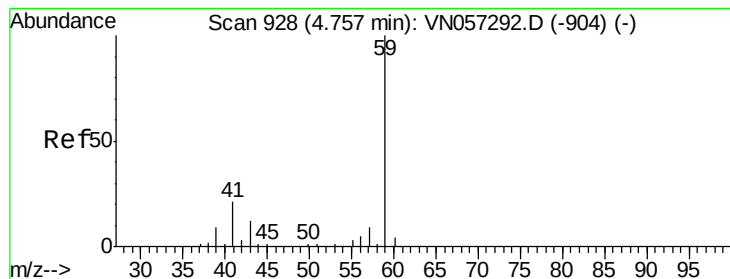
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 3.395 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.02 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

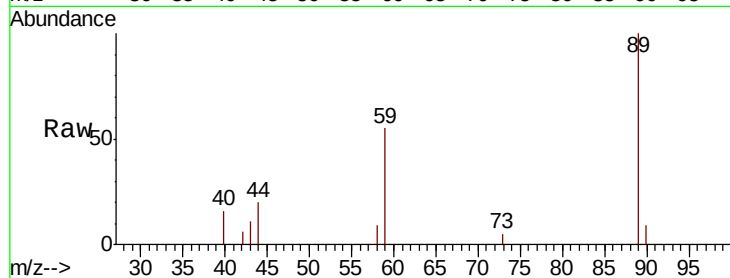
REACTOR-4-C-(3.4)

Tgt Ion: 59 Resp: 5996

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN057364.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN057364.D (-904) (-)

4.74

1500

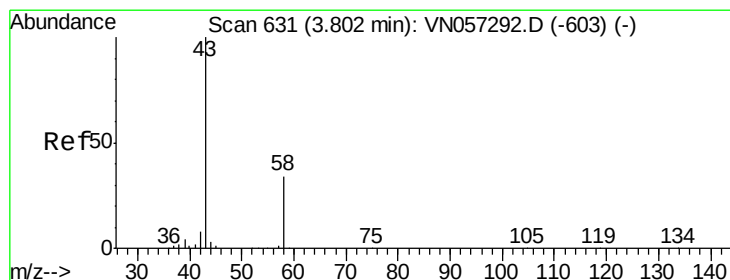
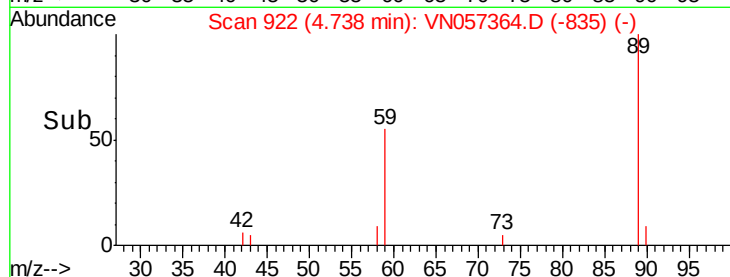
1000

500

0

4.65 4.70 4.75 4.80

Time-->



#16

Acetone

Concen: 3.904 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN057364.D

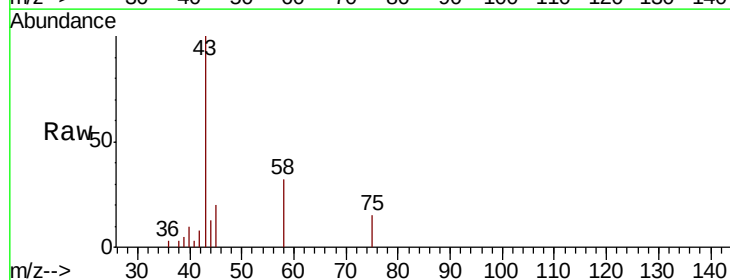
Acq: 16 Aug 2019 19:35

Tgt Ion: 43 Resp: 16822

Ion Ratio Lower Upper

43 100

58 31.7 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057364.D (-538) (-)

Ion 58.00 (57.70 to 58.70): VN057364.D (-538) (-)

3.81

6000

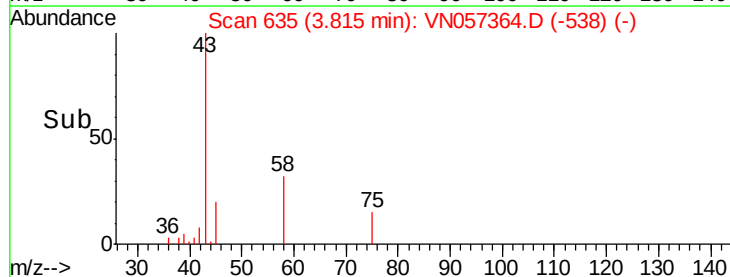
4000

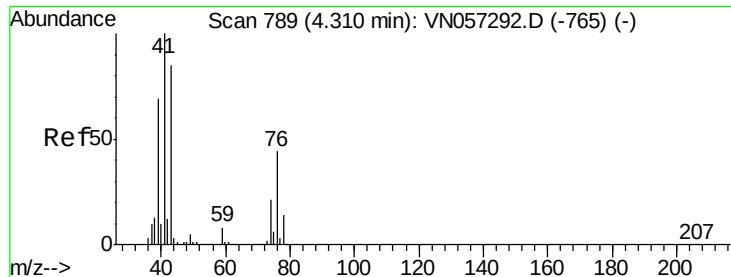
2000

0

3.75 3.80 3.85 3.90

Time-->

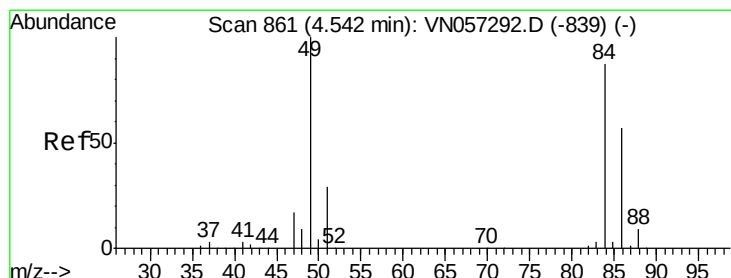
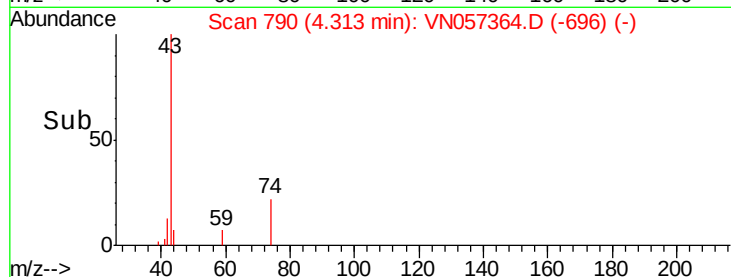
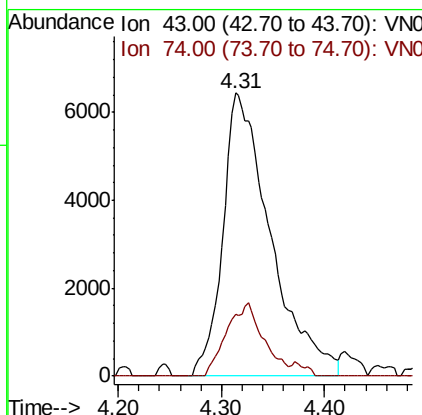
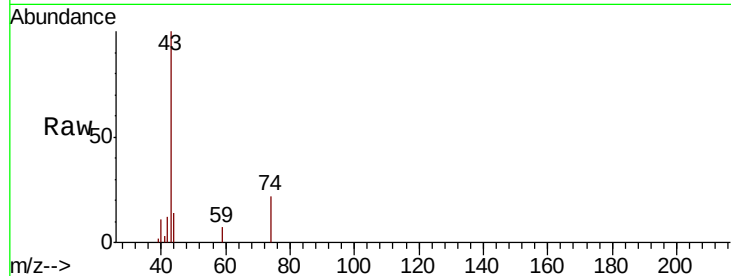




#18
Methyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

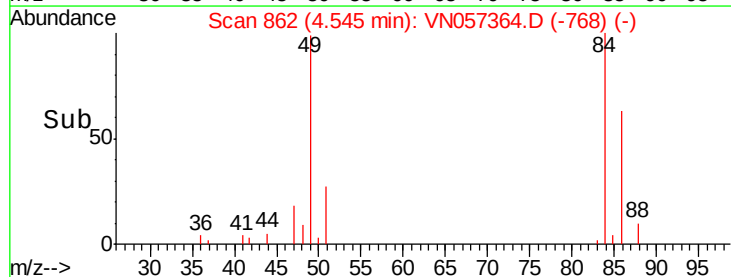
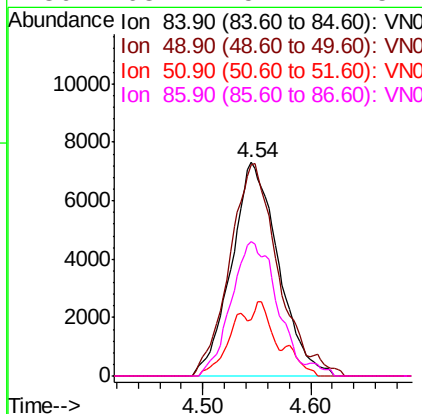
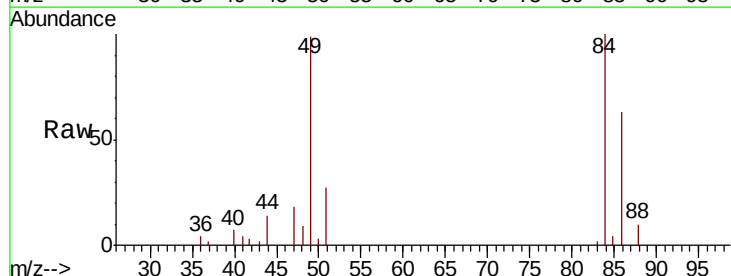
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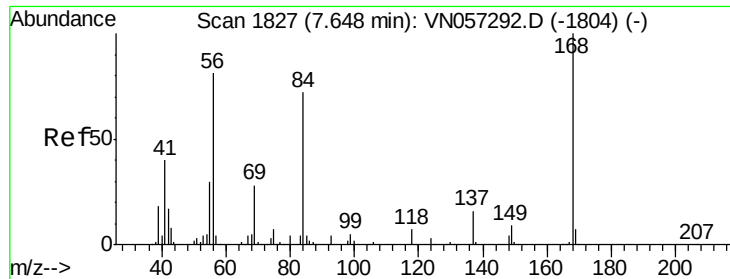
Tgt Ion: 43 Resp: 20665
Ion Ratio Lower Upper
43 100
74 20.1 20.2 30.2#



#20
Methylene Chloride
Concen: 1.836 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion: 84 Resp: 22136
Ion Ratio Lower Upper
84 100
49 98.9 92.0 138.0
51 26.6 27.1 40.7#
86 63.1 52.2 78.2

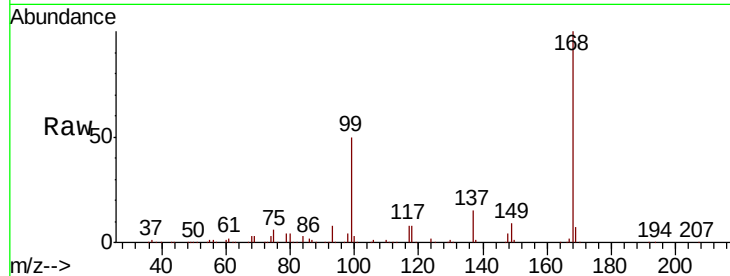




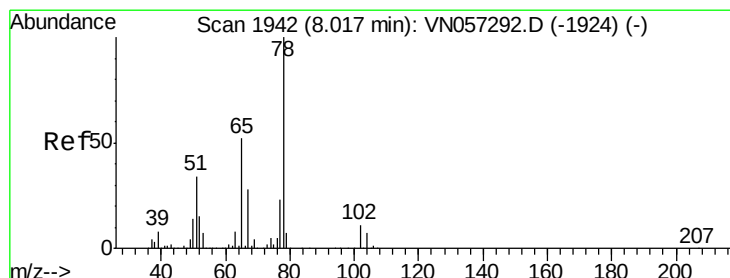
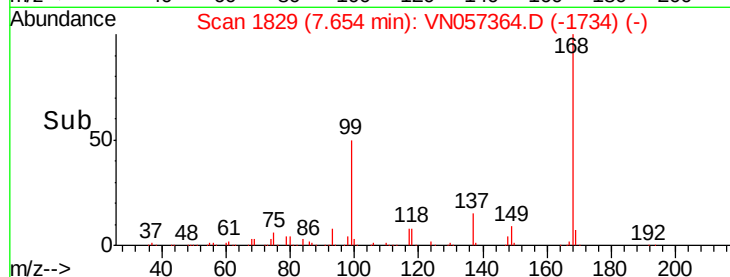
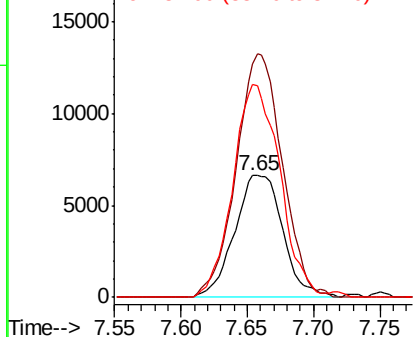
#31
Cyclohexane
Concen: 0.989 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(3.4)

Tgt Ion: 56 Resp: 16749
Ion Ratio Lower Upper
56 100
69 192.0 27.3 40.9#
84 174.4 71.0 106.6#

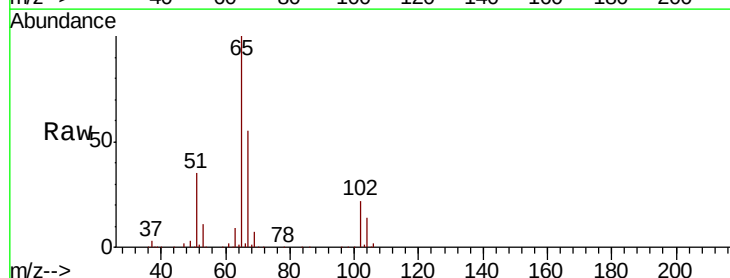


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

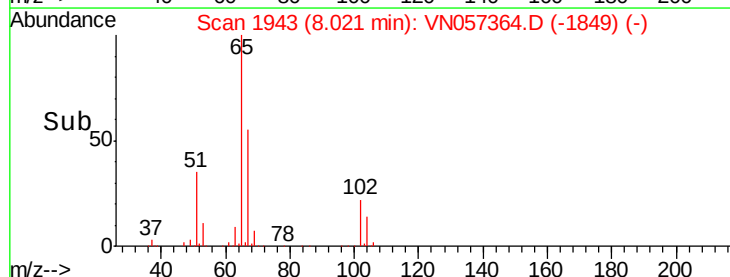
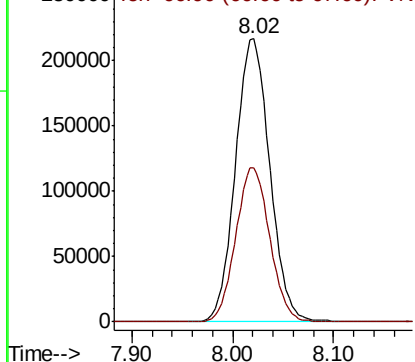


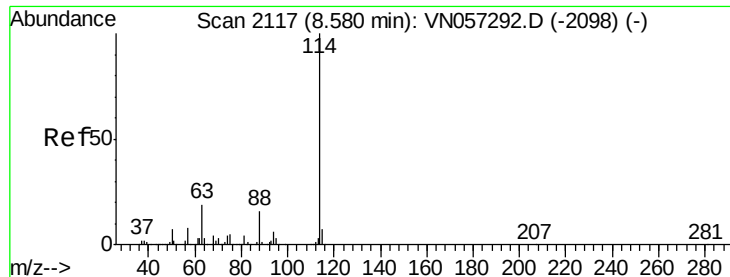
#33
1,2-Dichloroethane-d4
Concen: 41.187 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion: 65 Resp: 511654
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

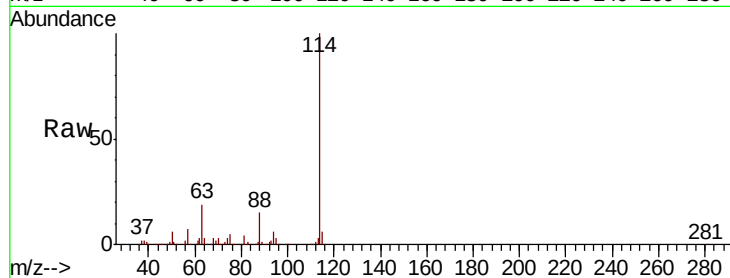




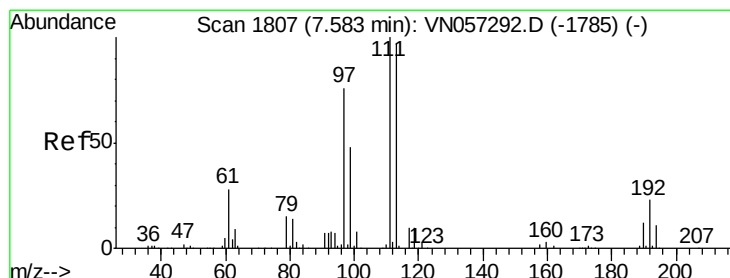
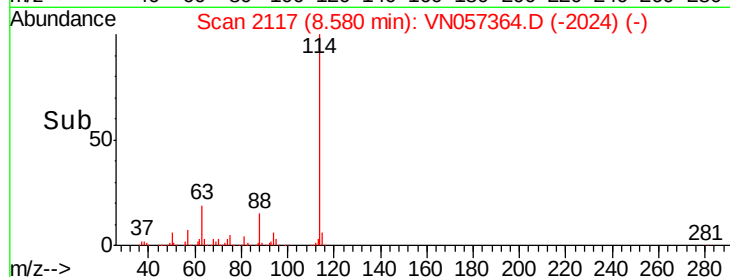
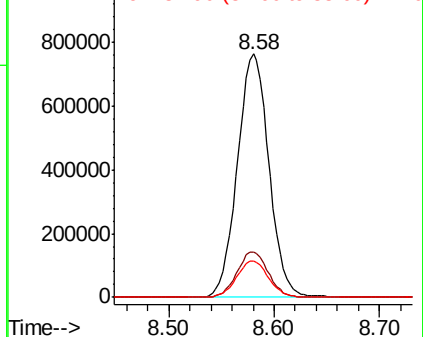
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057364.D
 Acq: 16 Aug 2019 19:35

Instrument :
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 REACTOR-4-C-(3.4)

Tgt Ion:114 Resp: 1588770
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.8
 88 15.0 0.0 31.4

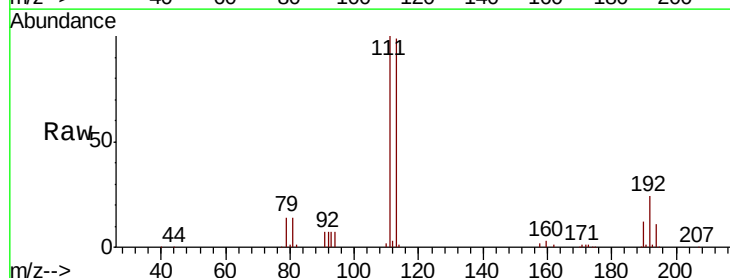


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

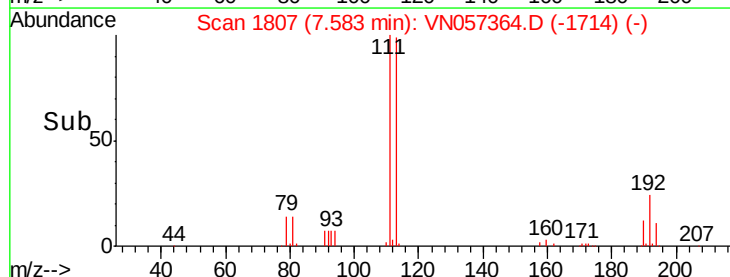
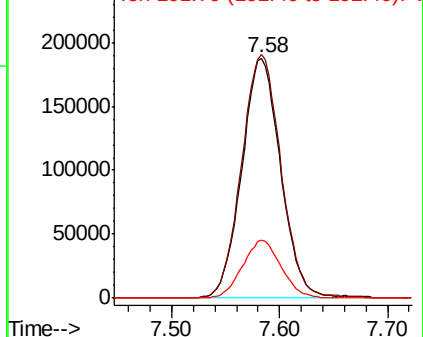


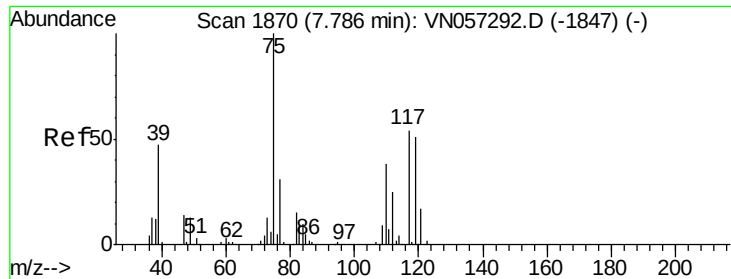
#35
 Dibromofluoromethane
 Concen: 45.023 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN057364.D
 Acq: 16 Aug 2019 19:35

Tgt Ion:113 Resp: 468899
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.1 123.1
 192 24.2 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: VN057364.D

Acq: 16 Aug 2019 19:35

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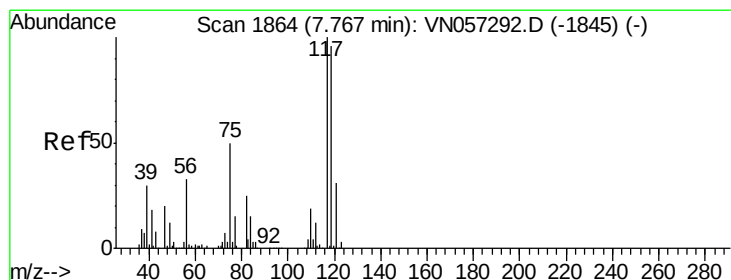
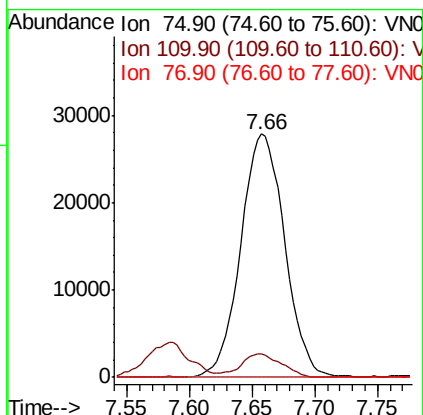
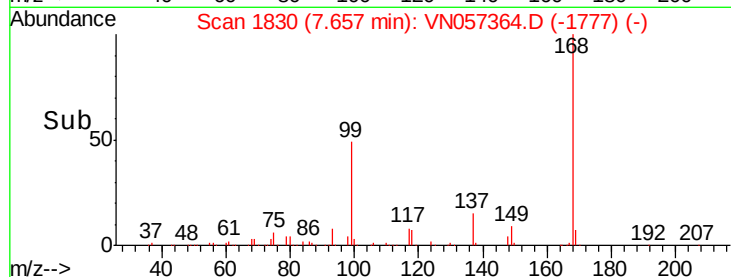
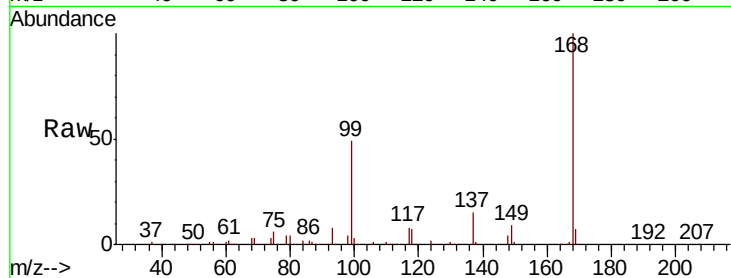
Tgt Ion: 75 Resp: 67839

Ion Ratio Lower Upper

75 100

110 9.0 19.5 58.5#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.600 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

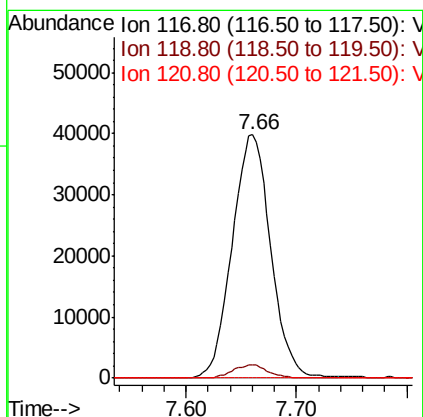
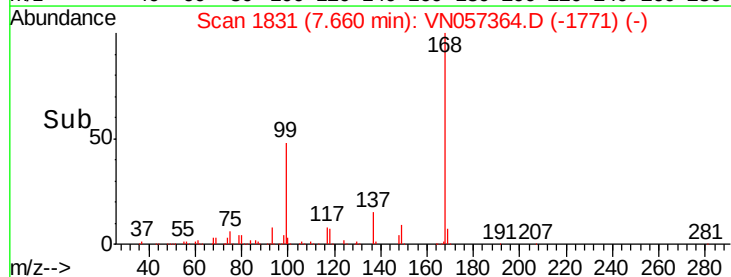
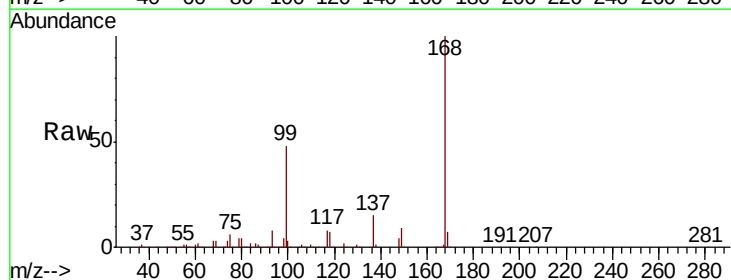
Tgt Ion: 117 Resp: 96197

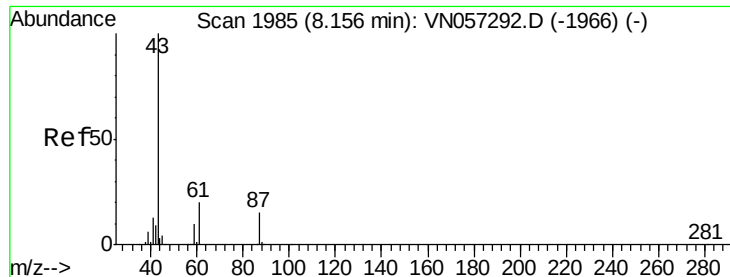
Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

121 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 6.652 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

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ClientSampleId :

REACTOR-4-C-(3.4)

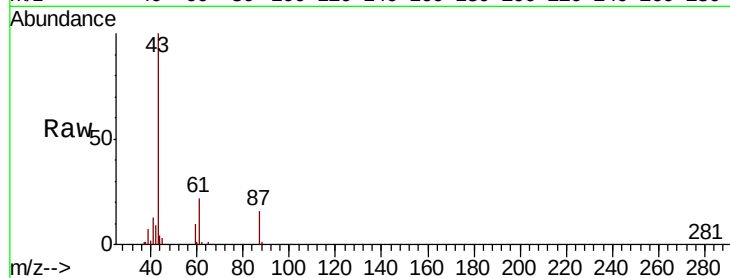
Tgt Ion: 43 Resp: 160307

Ion Ratio Lower Upper

43 100

61 22.6 21.6 32.4

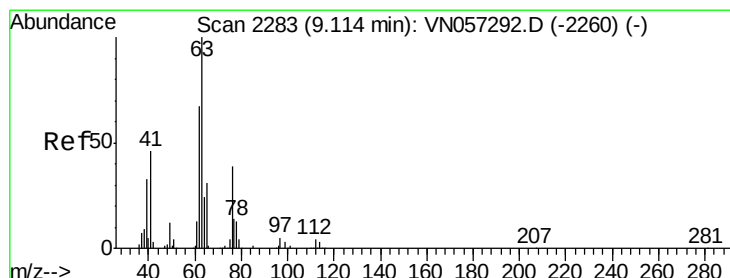
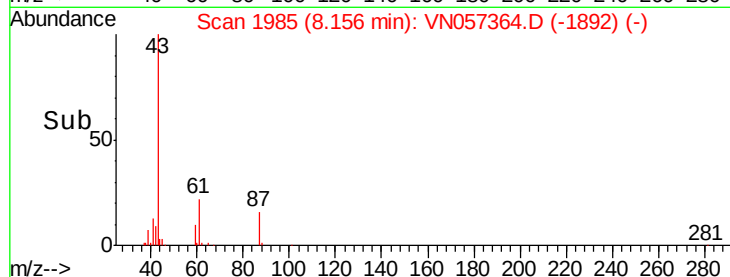
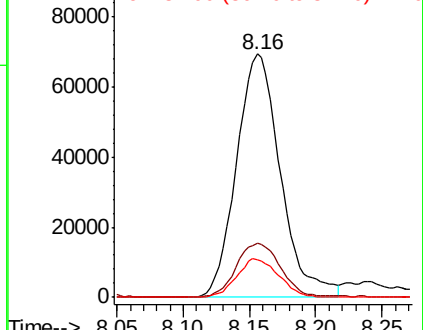
87 15.2 11.4 17.0



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: 0.307 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057364.D

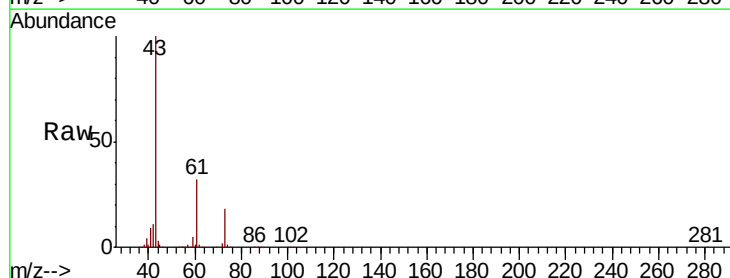
Acq: 16 Aug 2019 19:35

Tgt Ion: 63 Resp: 3392

Ion Ratio Lower Upper

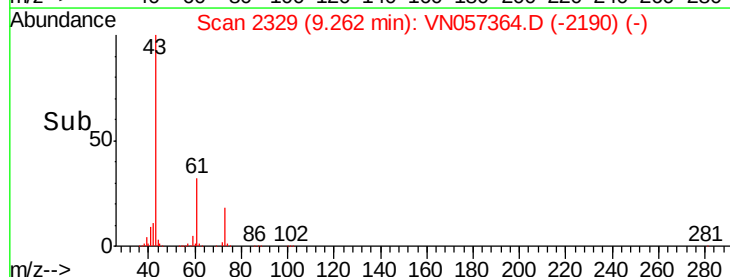
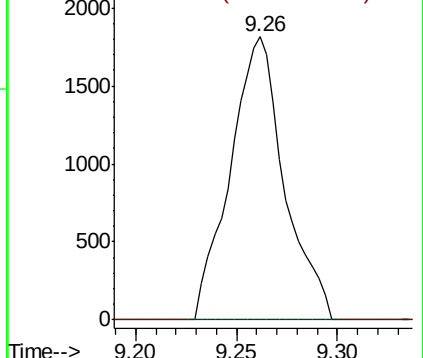
63 100

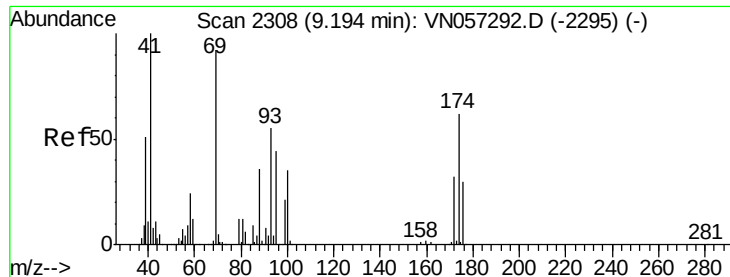
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

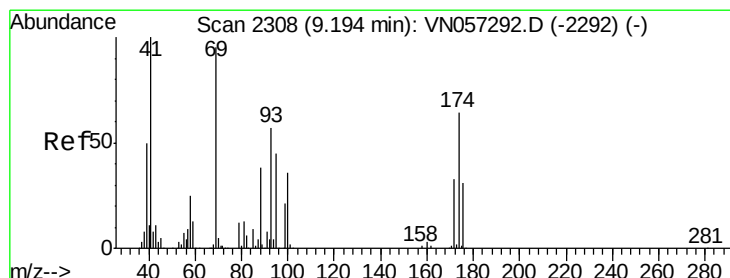
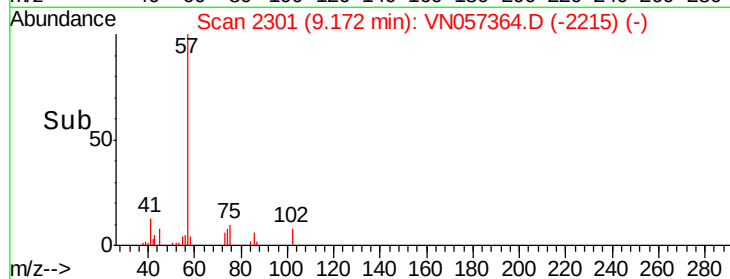
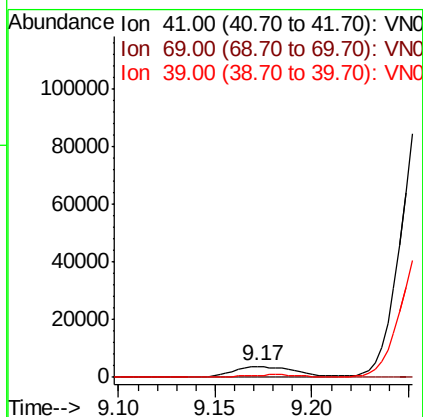
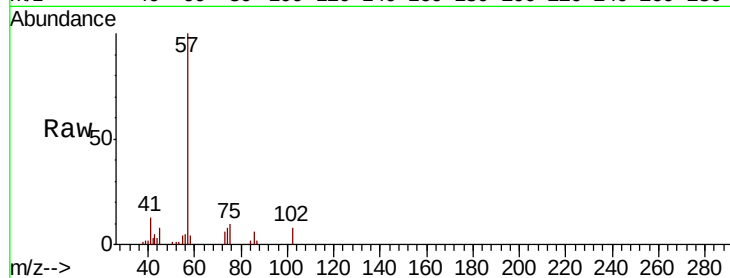




#48
Methyl methacrylate
Concen: 0.888 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

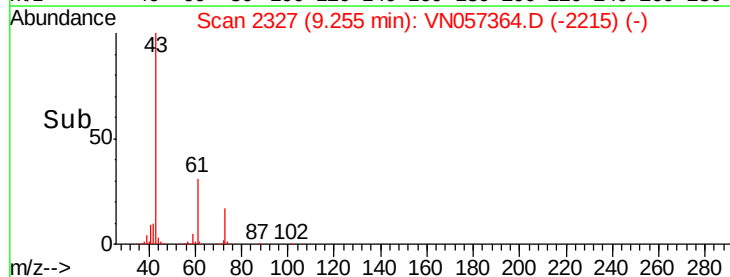
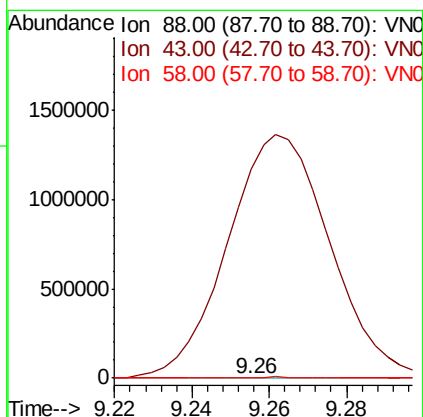
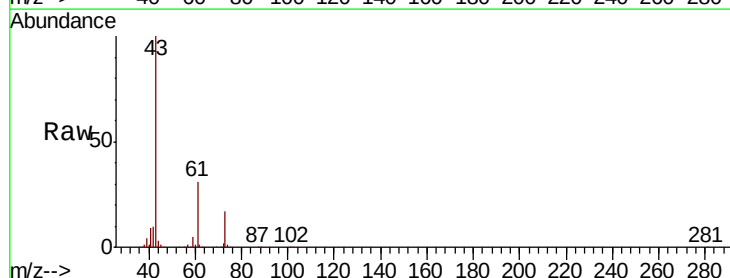
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(3.4)

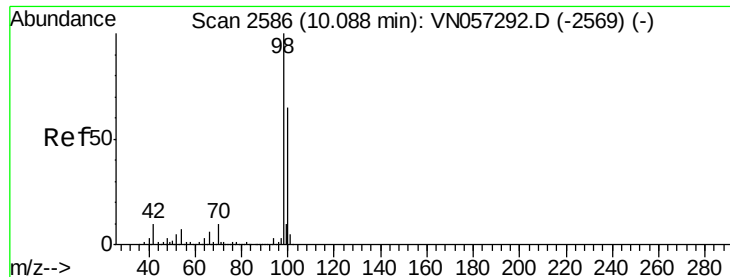
Tgt Ion: 41 Resp: 8399
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 42.3 63.5#



#49
1,4-Dioxane
Concen: 2.694 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.06 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion: 88 Resp: 536
Ion Ratio Lower Upper
88 100
43 474759.3 22.9 34.3#
58 2077.2 52.7 79.1#

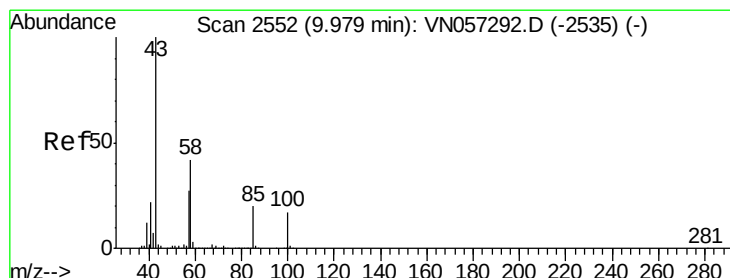
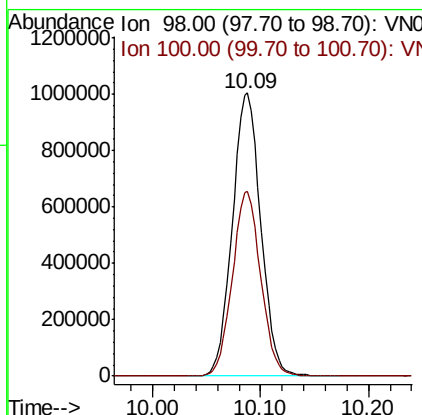
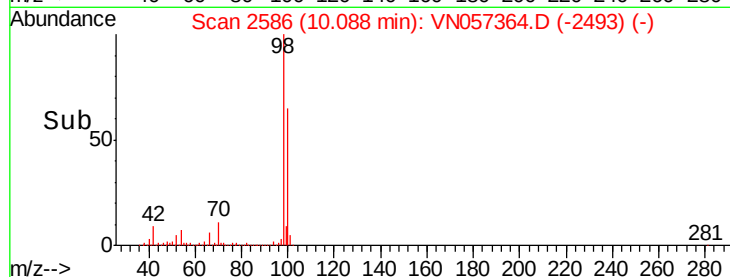
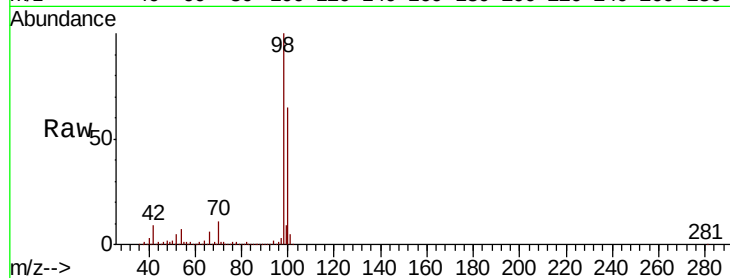




#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

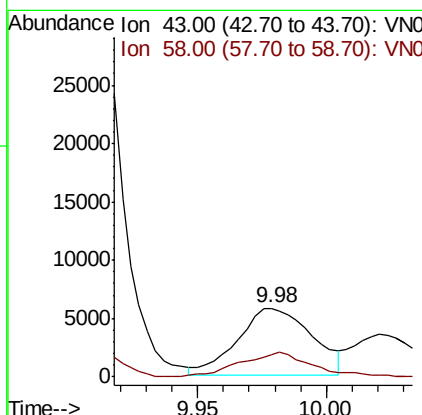
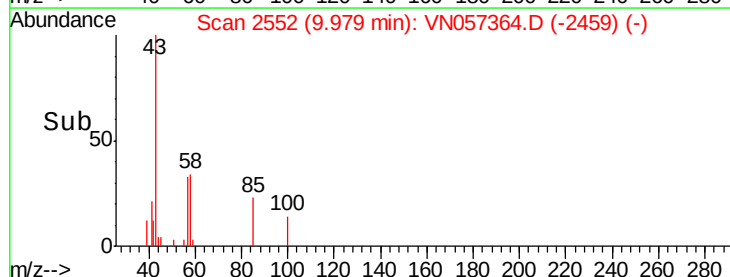
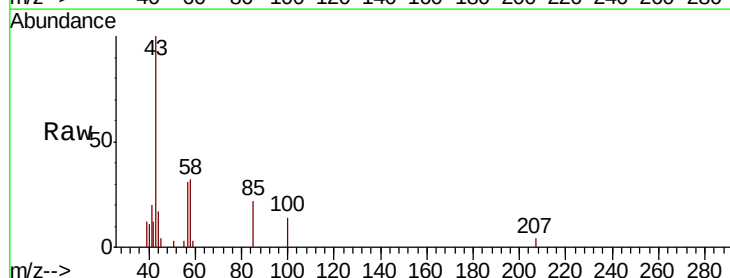
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(3.4)

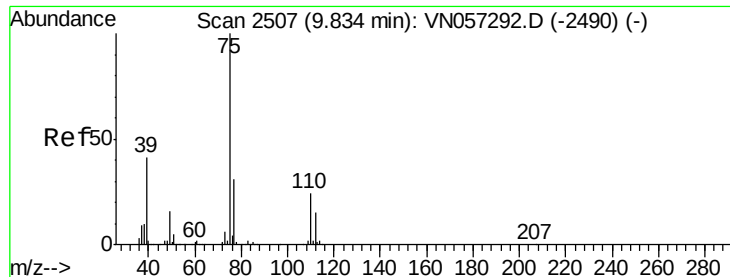
Tgt Ion: 98 Resp: 1848193
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.980 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion: 43 Resp: 11619
Ion Ratio Lower Upper
43 100
58 35.7 33.2 49.8





#54

cis-1,3-Dichloropropene

Concen: 4.900 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C-(3.4)

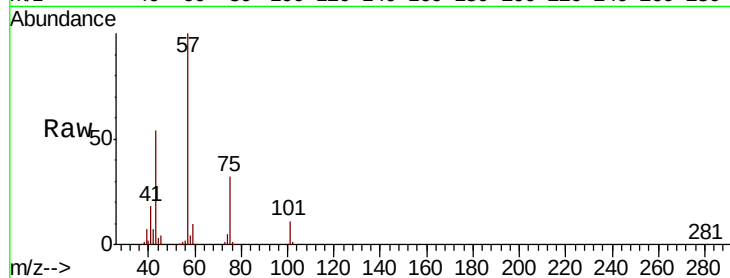
Tgt Ion: 75 Resp: 85446

Ion Ratio Lower Upper

75 100

77 0.6 24.9 37.3#

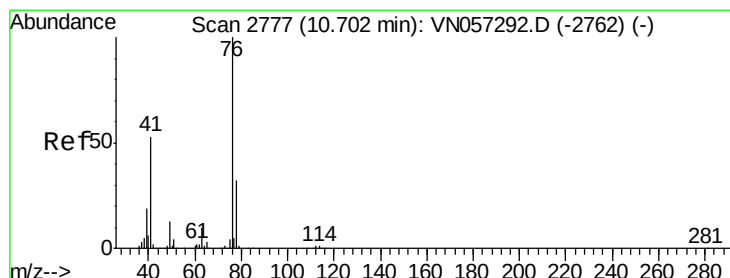
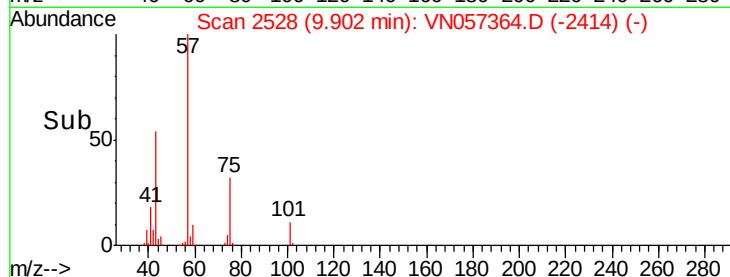
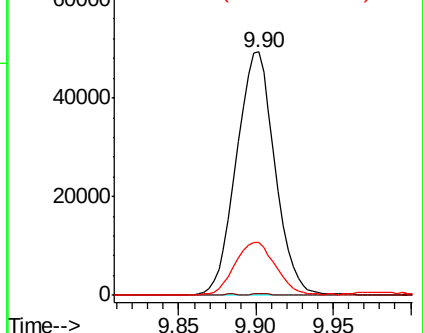
39 21.7 32.7 49.1#



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: 0.702 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057364.D

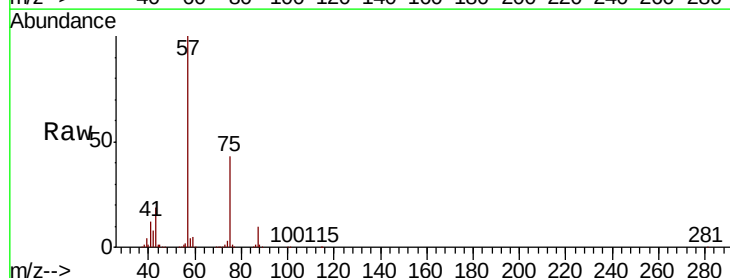
Acq: 16 Aug 2019 19:35

Tgt Ion: 76 Resp: 12313

Ion Ratio Lower Upper

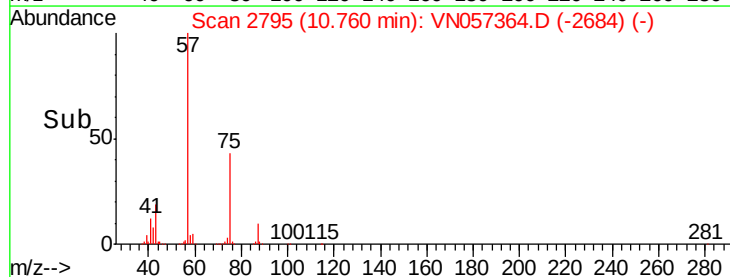
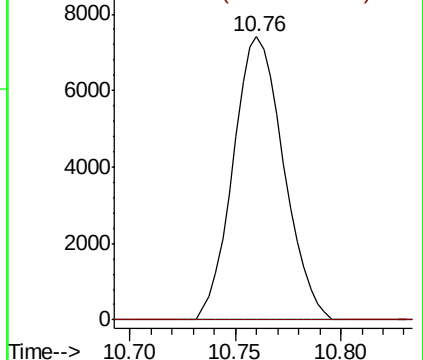
76 100

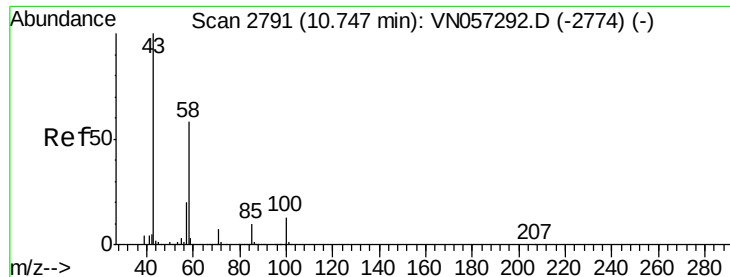
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

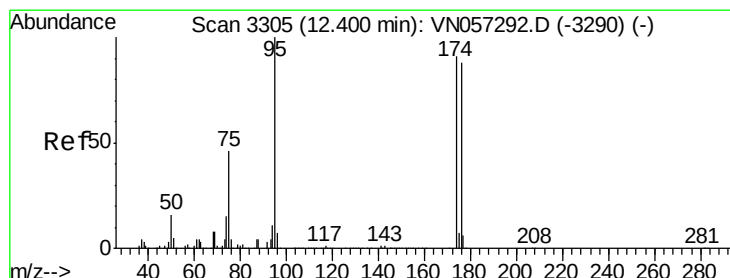
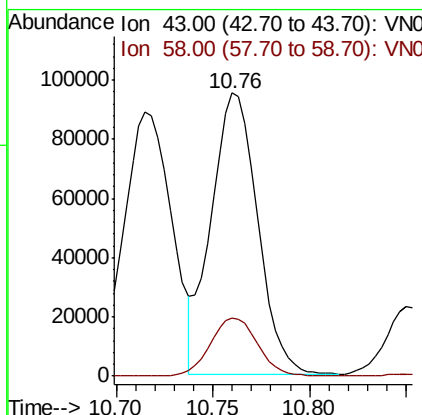
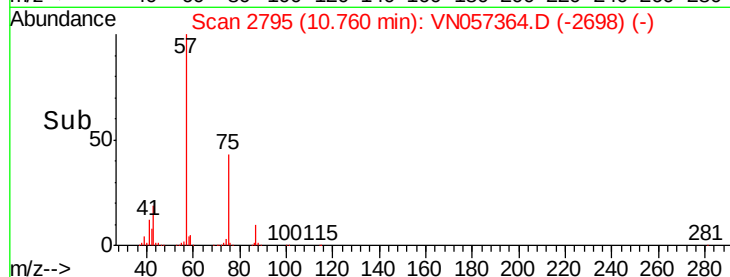
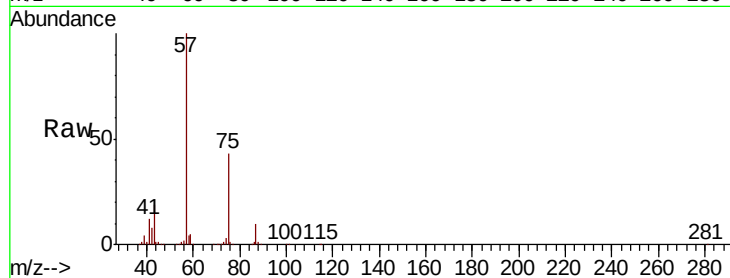




#59
2-Hexanone
Concen: 18.727 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

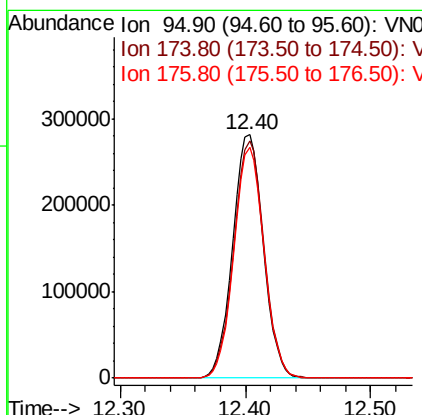
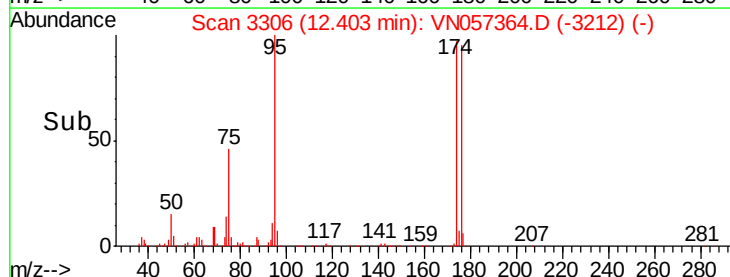
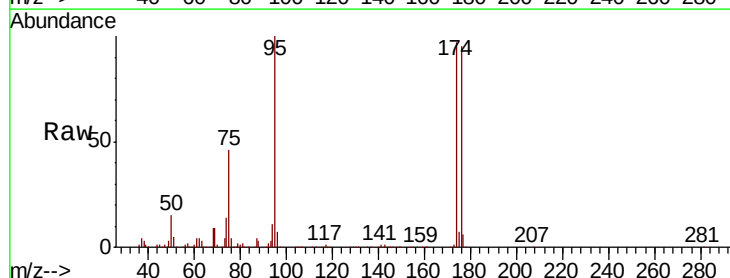
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(3.4)

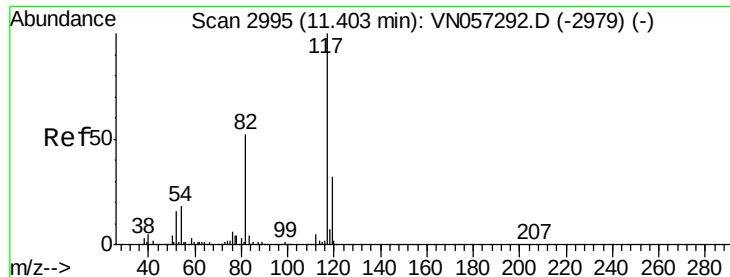
Tgt Ion: 43 Resp: 159580
Ion Ratio Lower Upper
43 100
58 21.0 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 35.334 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion: 95 Resp: 475651
Ion Ratio Lower Upper
95 100
174 97.0 0.0 185.0
176 93.5 0.0 181.0

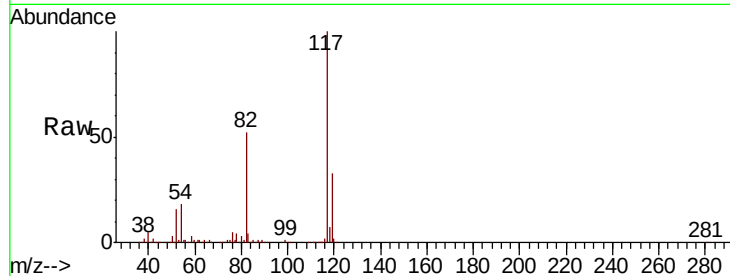




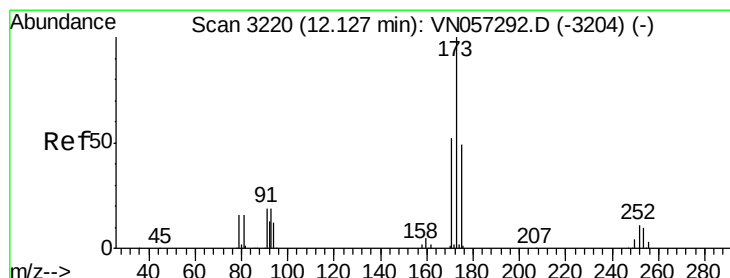
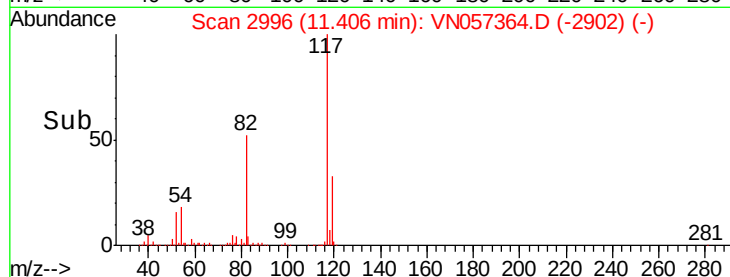
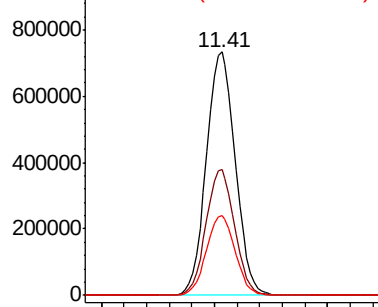
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(3.4)

Tgt Ion:117 Resp: 1306697
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 32.8 25.8 38.8

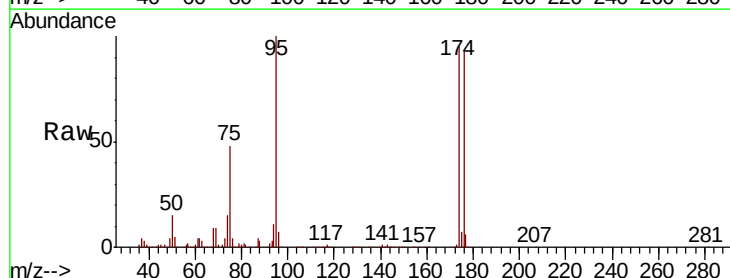


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

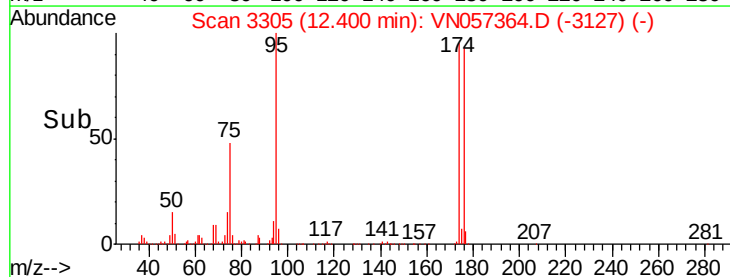
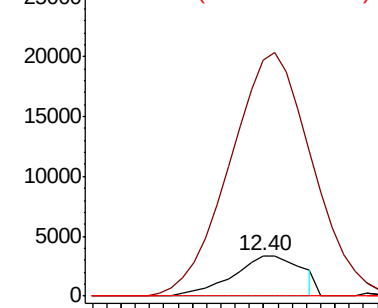


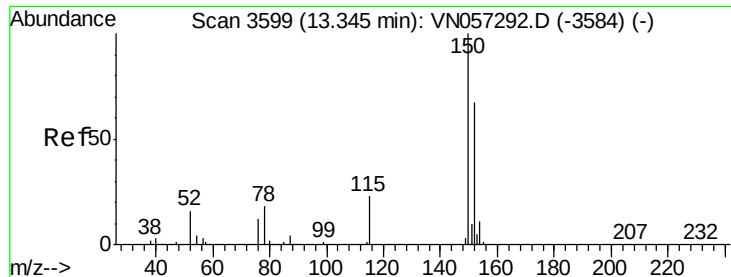
#71
Bromoform
Concen: 0.556 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057364.D
Acq: 16 Aug 2019 19:35

Tgt Ion:173 Resp: 4473
Ion Ratio Lower Upper
173 100
175 631.8 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

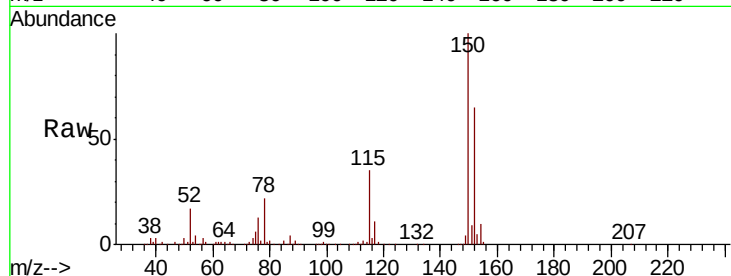




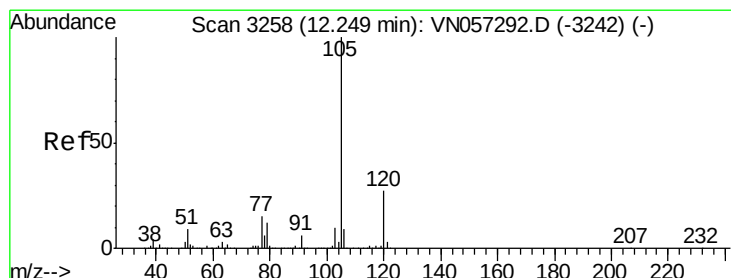
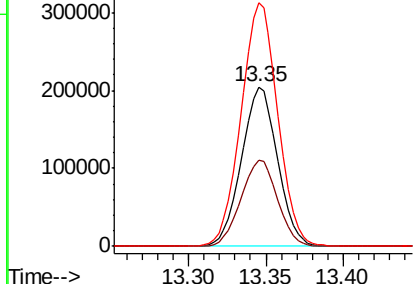
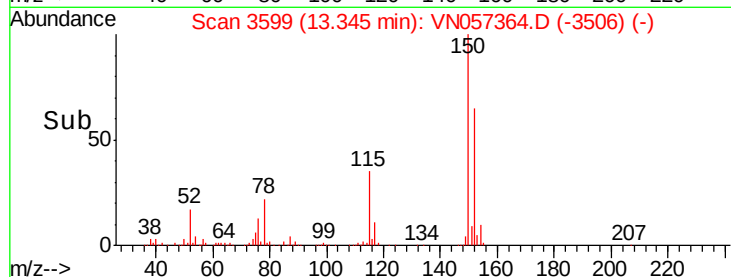
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN057364.D
 Acq: 16 Aug 2019 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(3.4)

Tgt Ion:152 Resp: 330913
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.3 81.9
 150 155.6 0.0 344.4

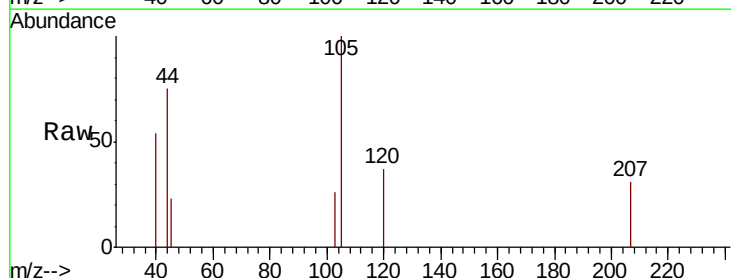


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

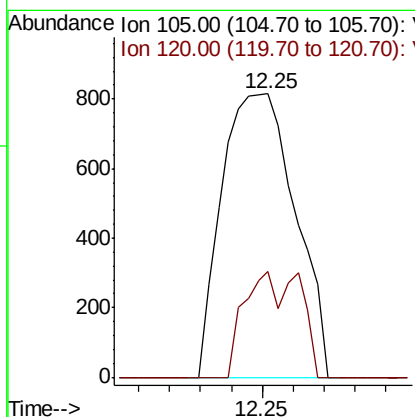
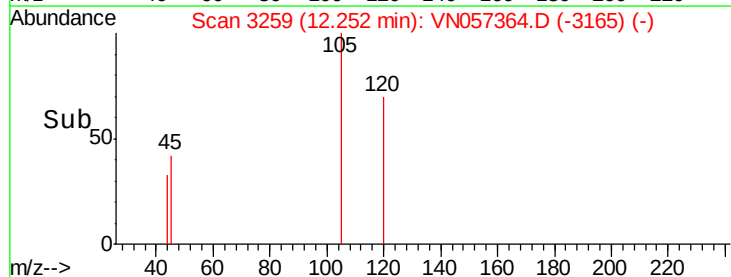


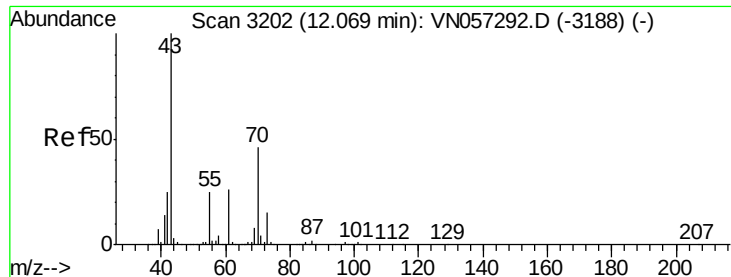
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN057364.D
 Acq: 16 Aug 2019 19:35

Tgt Ion:105 Resp: 1346
 Ion Ratio Lower Upper
 105 100
 120 17.3 13.2 39.6



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





#74

N-amyI acetate

Concen: 0.627 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C-(3.4)

Tgt Ion: 43 Resp: 6023

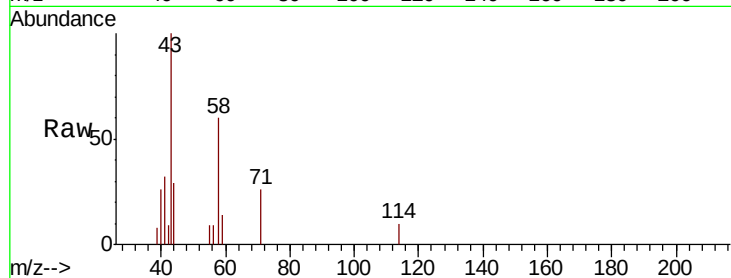
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 2.5 20.1 30.1#

61 0.0 20.9 31.3#

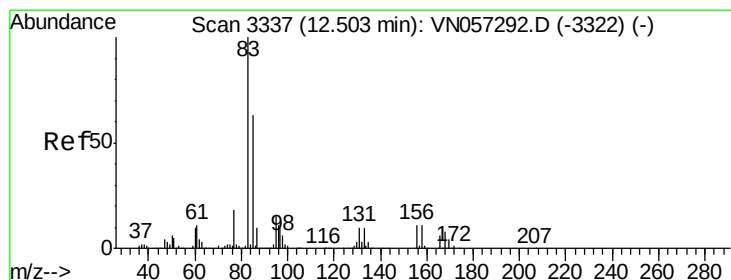
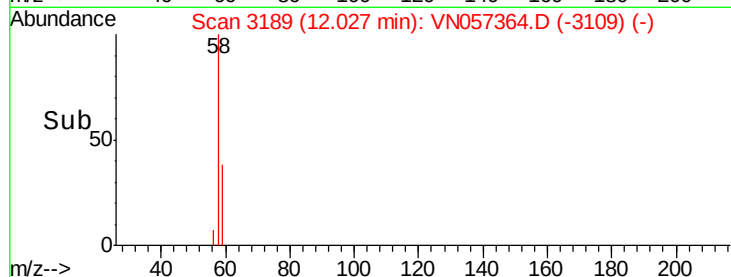
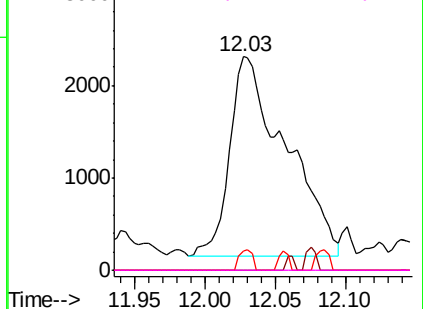


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

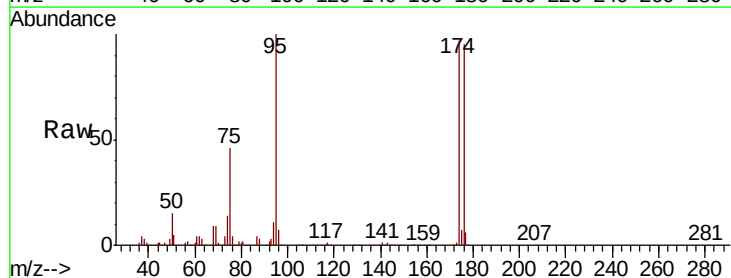
Tgt Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

131 402.8 5.4 16.2#

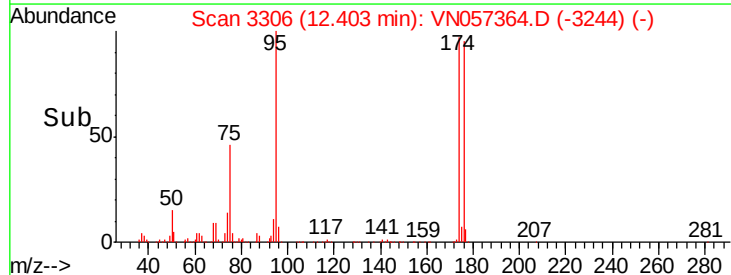
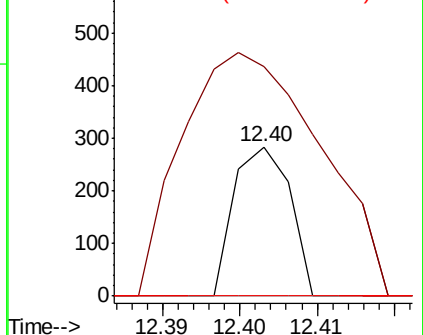
85 0.0 32.3 96.9#

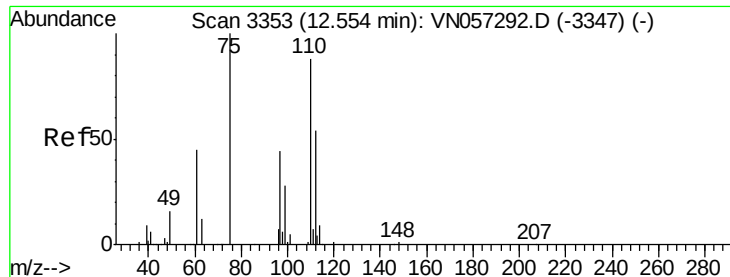


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.102 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

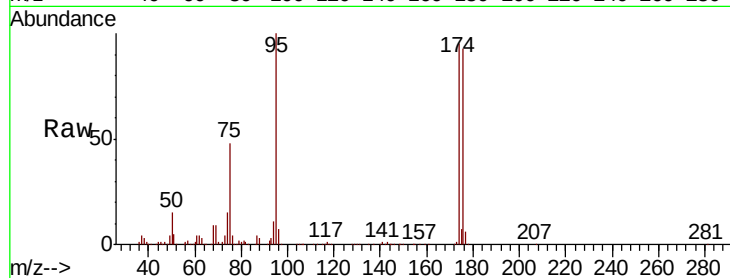
REACTOR-4-C-(3.4)

Tgt Ion: 75 Resp: 219796

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN057364.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057364.D (-3260) (-)

12.40

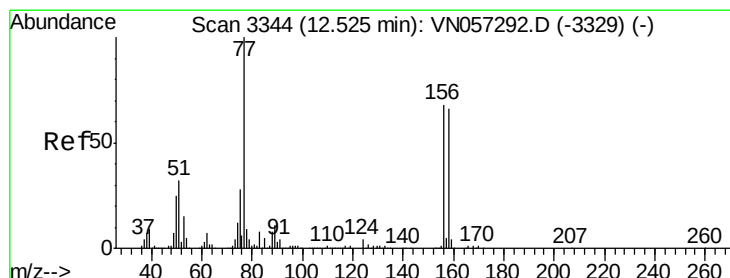
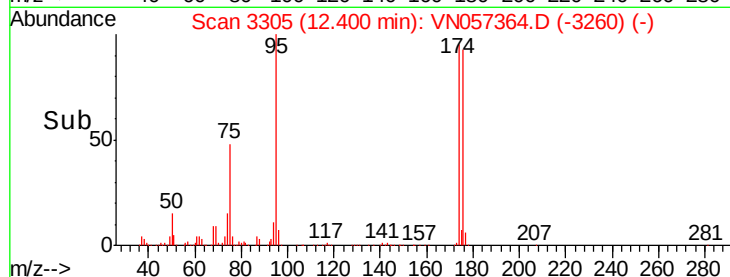
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

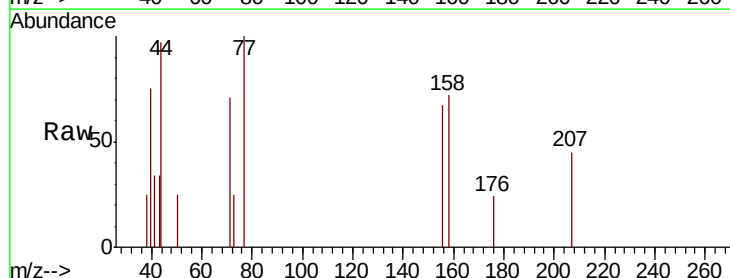
Tgt Ion: 156 Resp: 760

Ion Ratio Lower Upper

156 100

77 165.3 89.8 269.6

158 92.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): VN057364.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN057364.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN057364.D (-3251) (-)

12.53

1000

800

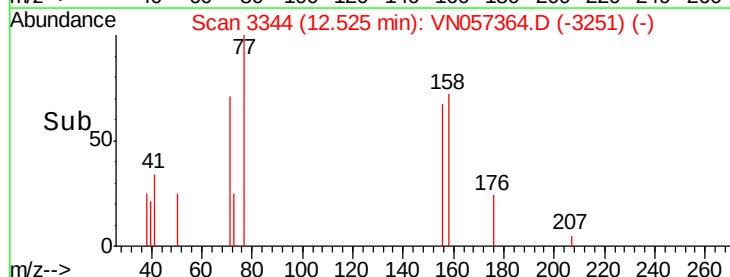
600

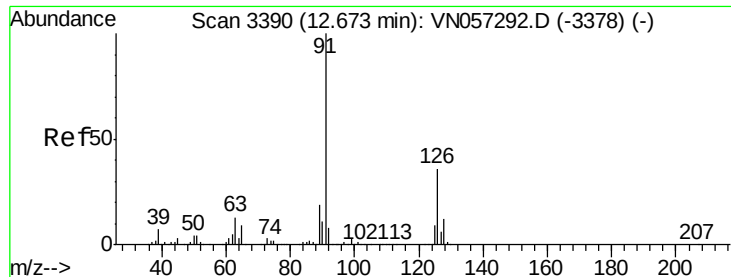
400

200

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

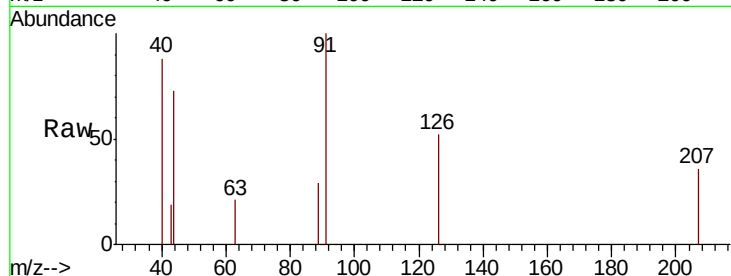
REACTOR-4-C-(3.4)

Tgt Ion: 91 Resp: 1369

Ion Ratio Lower Upper

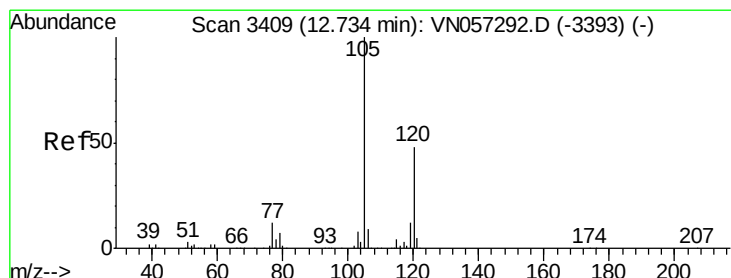
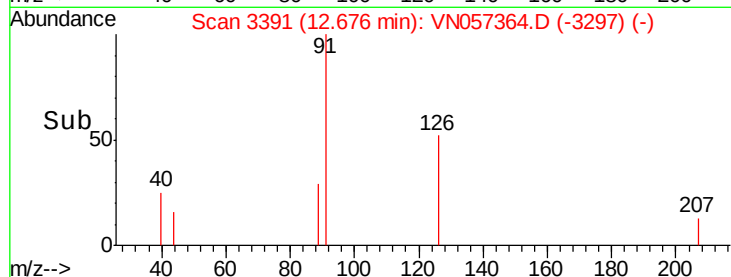
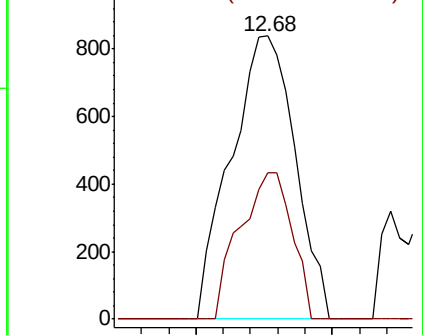
91 100

126 42.1 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# 3409

Delta R.T. -0.00 min

Lab File: VN057364.D

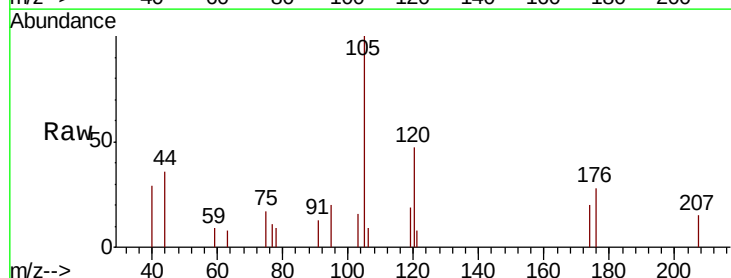
Acq: 16 Aug 2019 19:35

Tgt Ion: 105 Resp: 3274

Ion Ratio Lower Upper

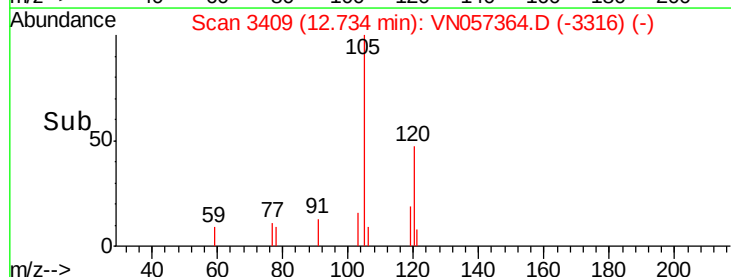
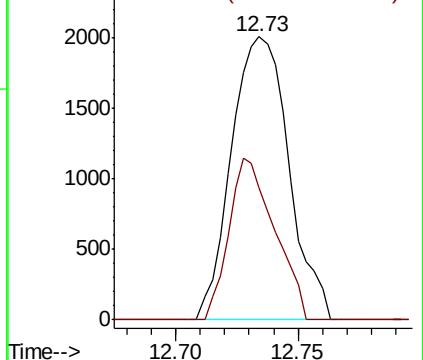
105 100

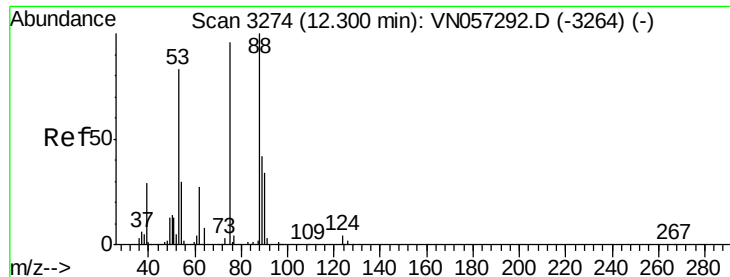
120 45.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.993 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C-(3.4)

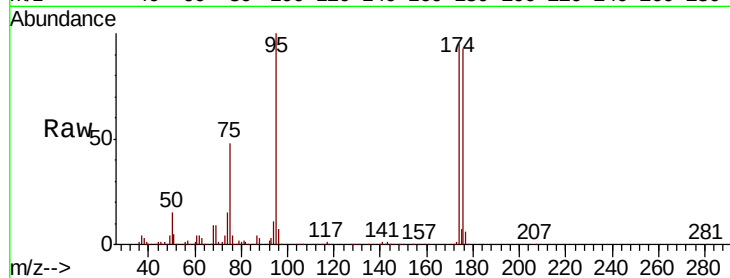
Tgt Ion: 75 Resp: 219796

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

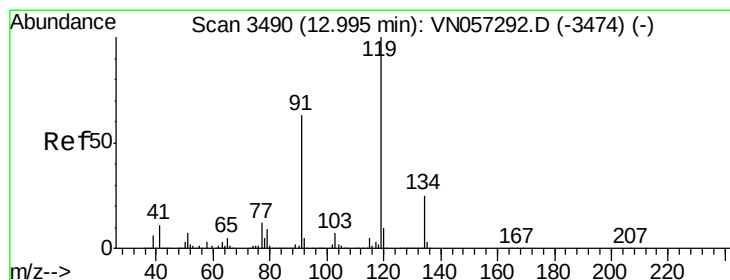
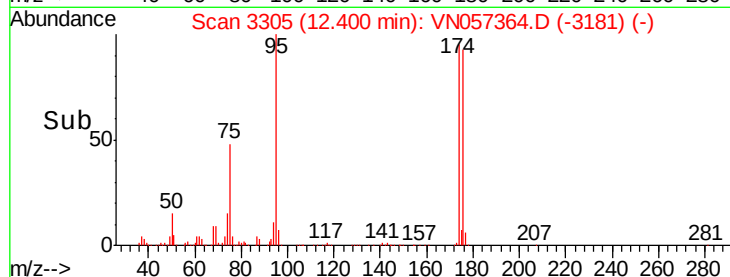
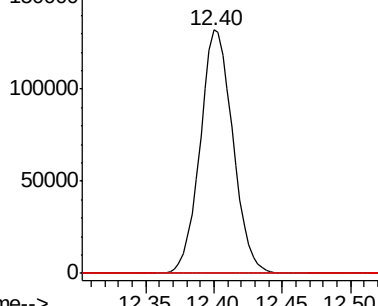
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057364.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN057364.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN057364.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.01 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

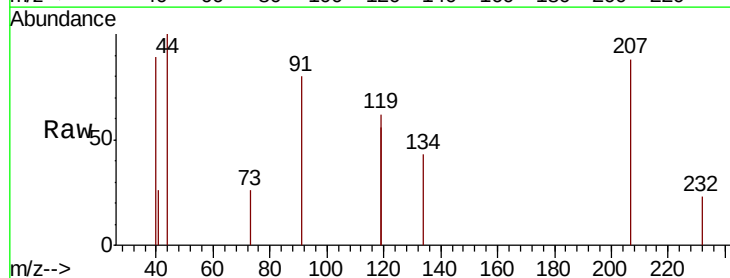
Tgt Ion: 119 Resp: 530

Ion Ratio Lower Upper

119 100

91 0.0 31.3 93.8#

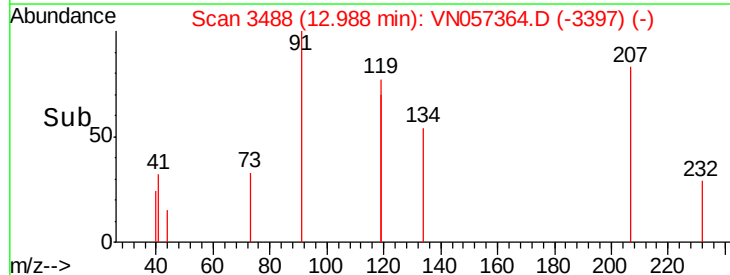
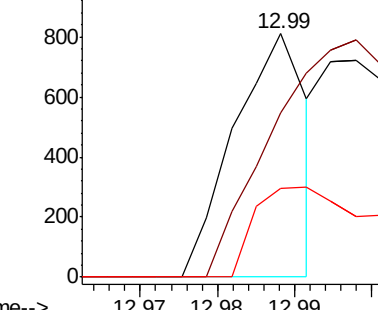
134 46.8 13.1 39.1#

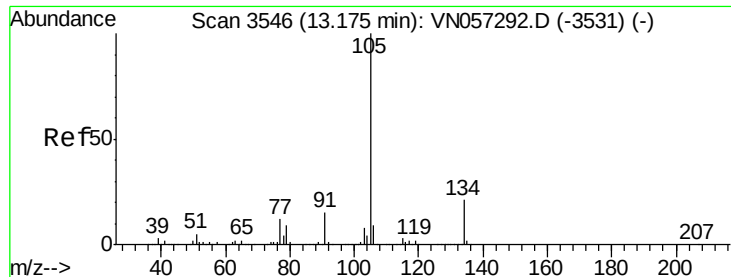


Abundance Ion 119.00 (118.70 to 119.70): VN057364.D (-3488) (-)

Ion 91.00 (90.70 to 91.70): VN057364.D (-3488) (-)

Ion 134.00 (133.70 to 134.70): VN057364.D (-3488) (-)





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

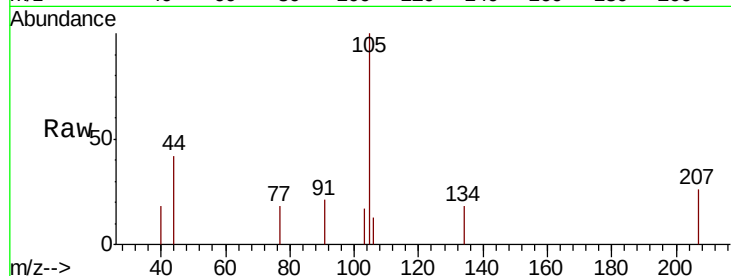
REACTOR-4-C-(3.4)

Tgt Ion:105 Resp: 2283

Ion Ratio Lower Upper

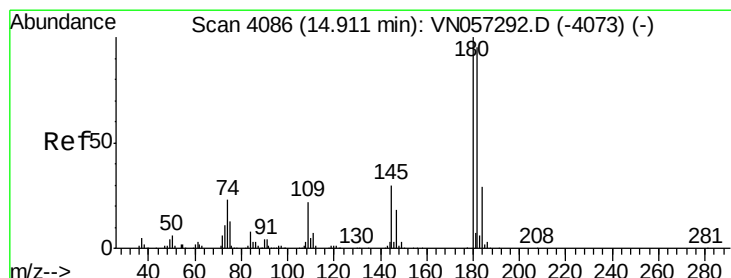
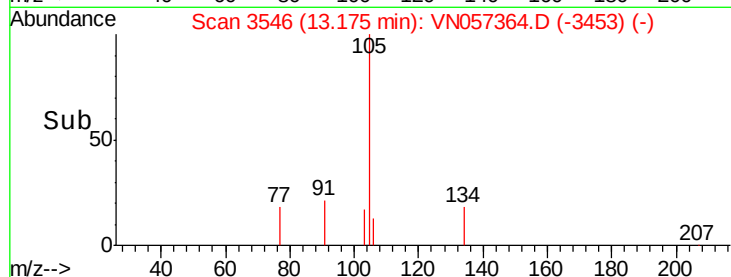
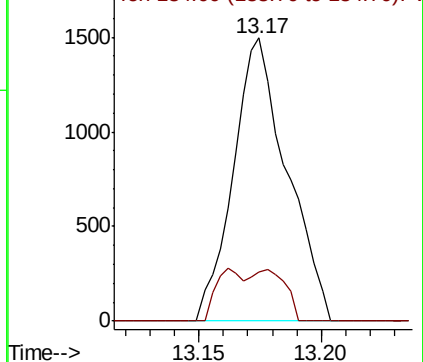
105 100

134 9.5 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 5.693 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

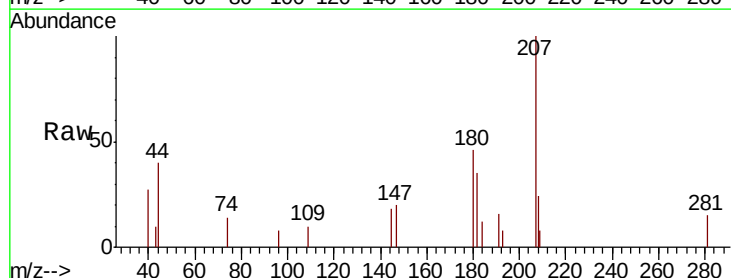
Tgt Ion:180 Resp: 1632

Ion Ratio Lower Upper

180 100

182 100.4 48.0 144.2

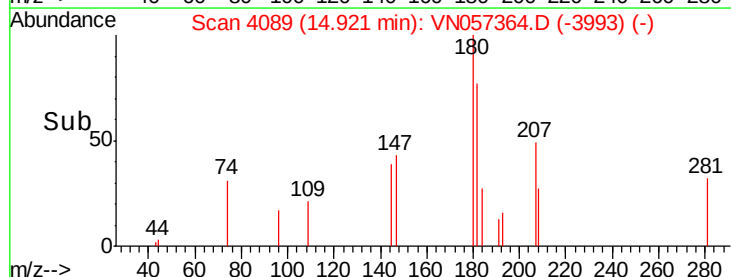
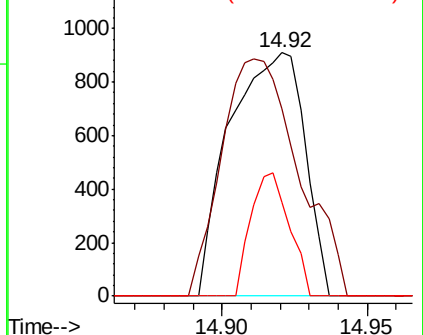
145 26.0 14.5 43.6

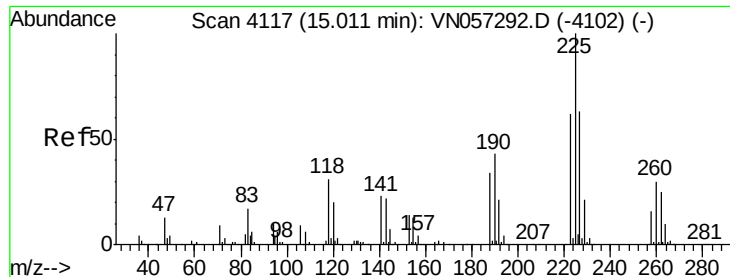


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C-(3.4)

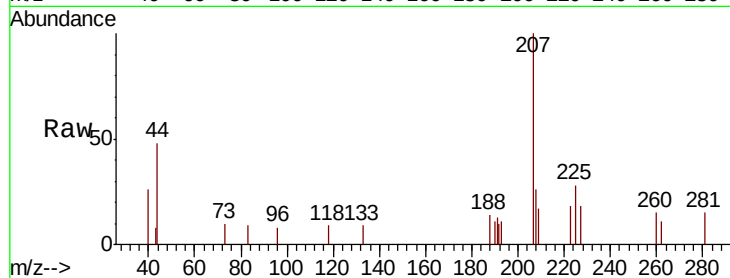
Tgt Ion: 225 Resp: 786

Ion Ratio Lower Upper

225 100

223 32.6 30.7 92.1

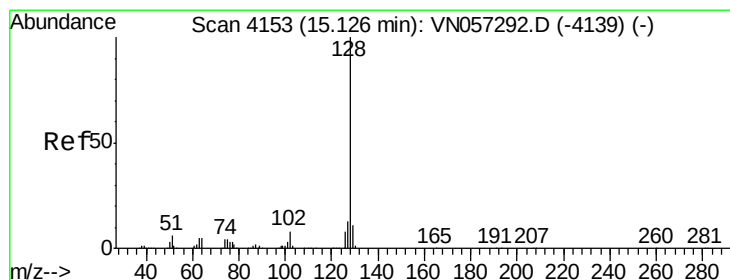
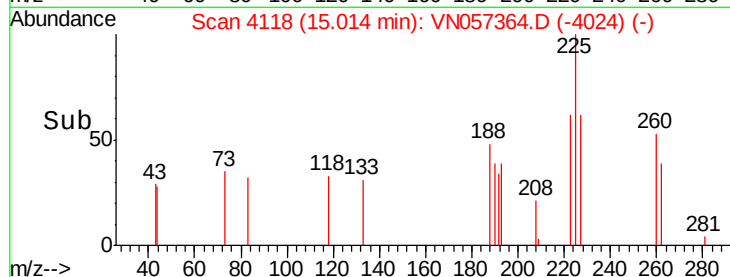
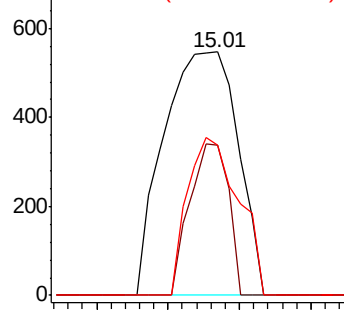
227 44.8 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057364.D

Acq: 16 Aug 2019 19:35

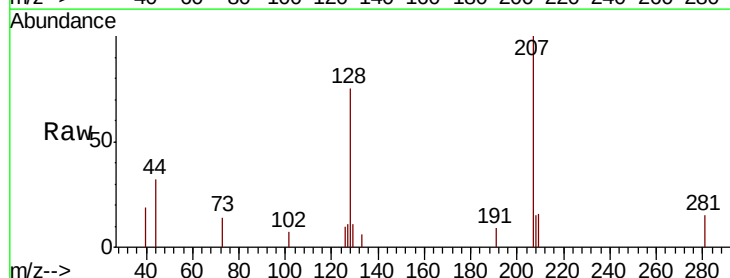
Tgt Ion: 128 Resp: 3379

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

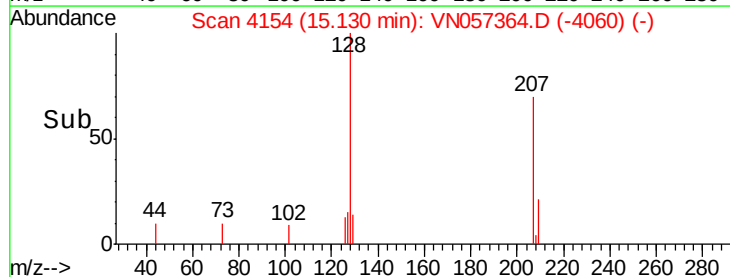
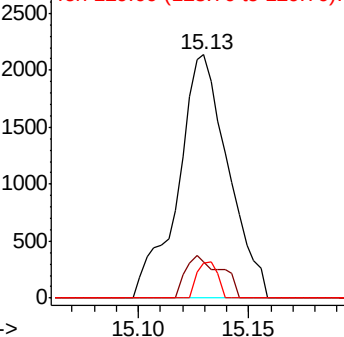
129 6.1 8.8 13.2#

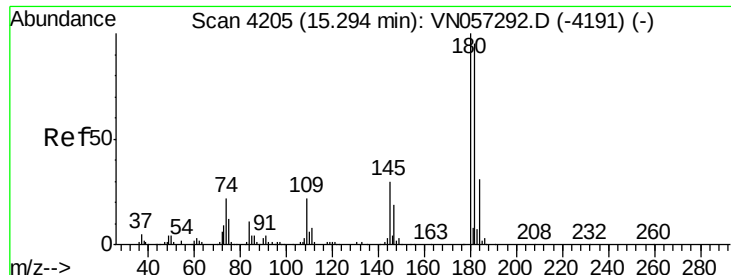


Abundance Ion 128.00 (127.70 to 128.70): V

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# 4207
 Delta R.T. 0.01 min
 Lab File: VN057364.D
 Acq: 16 Aug 2019 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(3.4)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	118.5	47.9	143.6
145	36.3	15.1	45.3

