

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057093.D
 Acq On : 6 Aug 2019 11:15
 Operator : JC/SP
 Sample : PB121998TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121998TB

Quant Time: Aug 07 02:21:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	528586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	762912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	653351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	258877	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.58	113	230958	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	10.08	98	894679	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	261950	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.40	74	861	0.293	ug/l #	41
11) Tert butyl alcohol	4.72	59	8698	11.893	ug/l #	74
16) Acetone	3.82	43	9423	4.807	ug/l	88
18) Methyl Acetate	4.31	43	10829	1.732	ug/l	93
20) Methylene Chloride	4.53	84	6123	1.084	ug/l #	92
25) 2-Butanone	6.84	43	1368	0.492	ug/l #	71
31) Cyclohexane	7.65	56	8205	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32610	4.858	ug/l #	48
38) Carbon Tetrachloride	7.65	117	45081	7.099	ug/l #	17
43) Isopropyl Acetate	8.16	43	23623	2.658	ug/l #	83
48) Methyl methacrylate	9.18	41	8172	1.905	ug/l #	12
49) 1,4-Dioxane	9.19	88	33	0.373	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4164	0.789	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	53953	6.819	ug/l #	63
56) Ethyl methacrylate	10.43	69	170	1.782	ug/l #	28
57) 1,3-Dichloropropane	10.76	76	11747	1.422	ug/l #	42
59) 2-Hexanone	10.76	43	153119	39.780	ug/l #	51
70) Styrene	11.96	104	1115	1.940	ug/l #	79
71) Bromoform	12.39	173	2087	0.596	ug/l #	1
74) N-amyl acetate	12.07	43	2127	0.404	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.50	83	135	Below Cal	#	51
76) 1,2,3-Trichloropropane	12.40	75	122256	28.723	ug/l #	100
79) 2-Chlorotoluene	12.77	91	2913	0.245	ug/l	91
80) 1,3,5-Trimethylbenzene	12.73	105	14300	0.962	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	122256	92.287	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2913	0.261	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	3200	0.445	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	3200	0.462	ug/l	94
89) n-Butylbenzene	13.61	91	4460	0.384	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	3493	0.494	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	6102	4.292	ug/l	97
94) Hexachlorobutadiene	15.01	225	1591	Below Cal		88
95) Naphthalene	15.12	128	7611	4.381	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	5937	3.593	ug/l	94

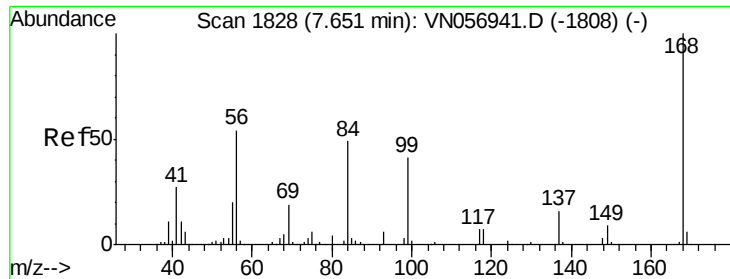
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
Data File : VN057093.D
Acq On : 6 Aug 2019 11:15
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

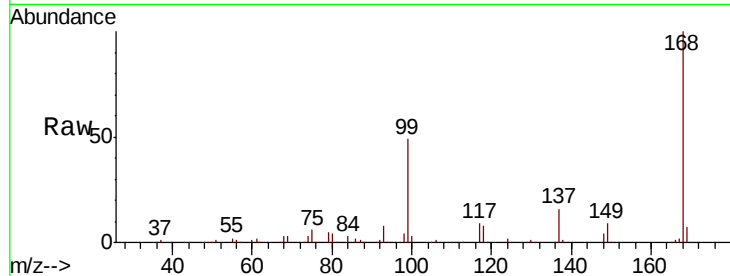
PB121998TB

Tgt Ion:168 Resp: 528586

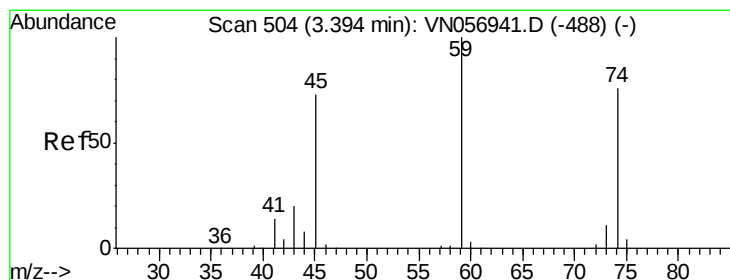
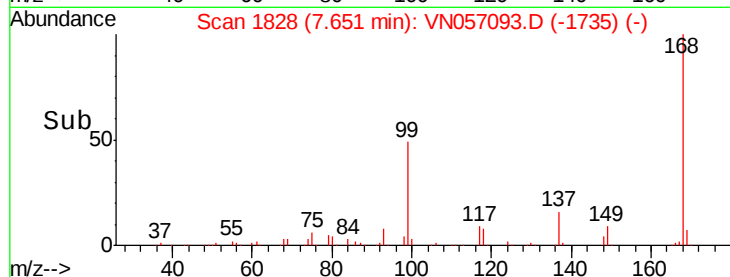
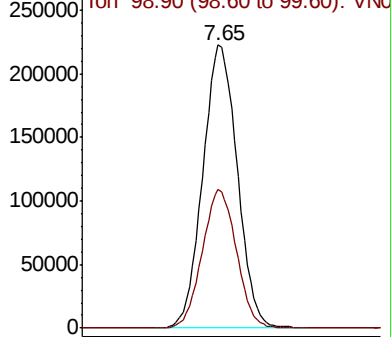
Ion Ratio Lower Upper

168 100

99 49.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)



#8

Diethyl Ether

Concen: 0.293 ug/l

RT: 3.40 min Scan# 506

Delta R.T. 0.01 min

Lab File: VN057093.D

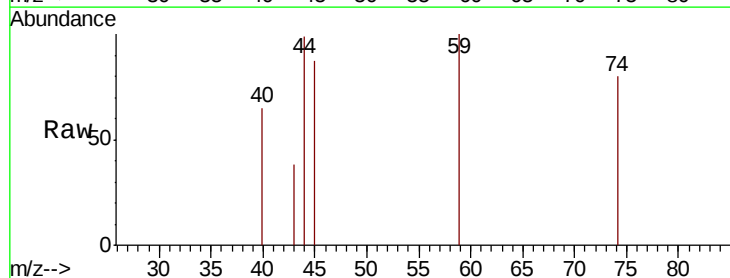
Acq: 6 Aug 2019 11:15

Tgt Ion: 74 Resp: 861

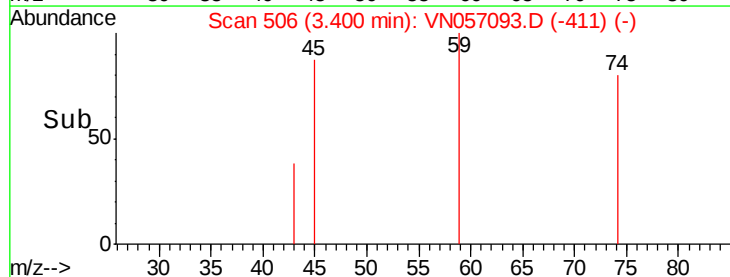
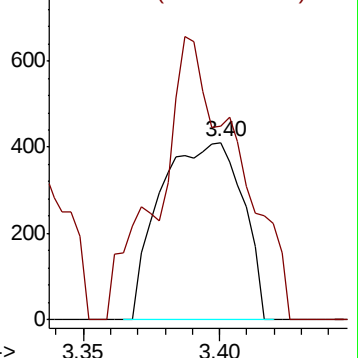
Ion Ratio Lower Upper

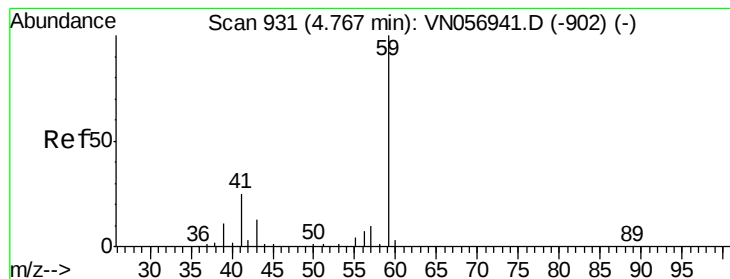
74 100

45 153.9 48.1 144.3#



Abundance Ion 74.00 (73.70 to 74.70): VN056941.D (-488) (-)



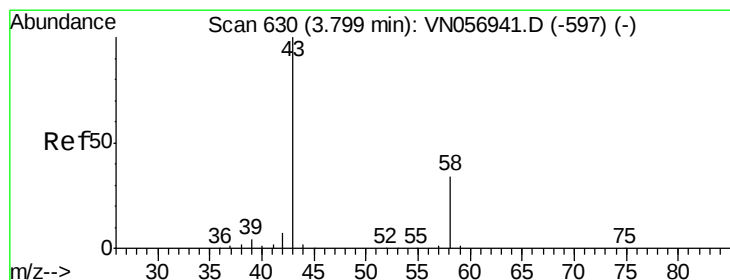
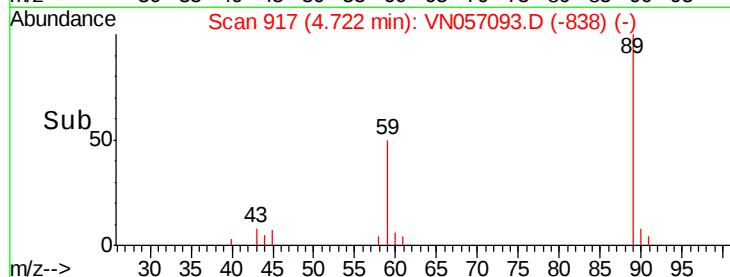
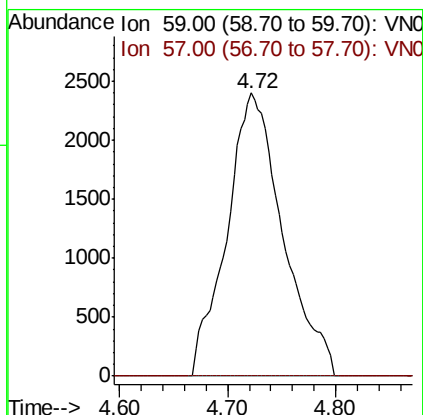
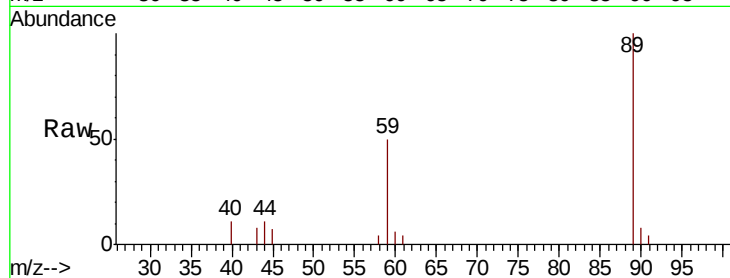


#11

Tert butyl alcohol
 Concen: 11.893 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.05 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Instrument :
 MSVOA_N
 ClientSampled :
 PB121998TB

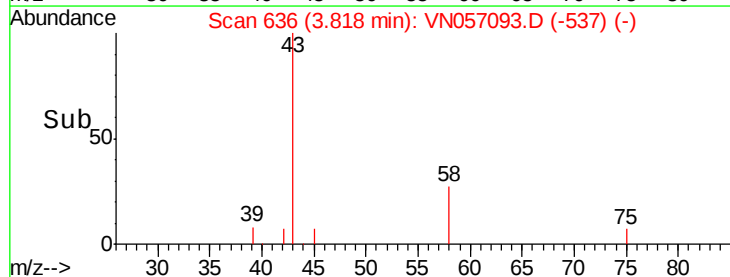
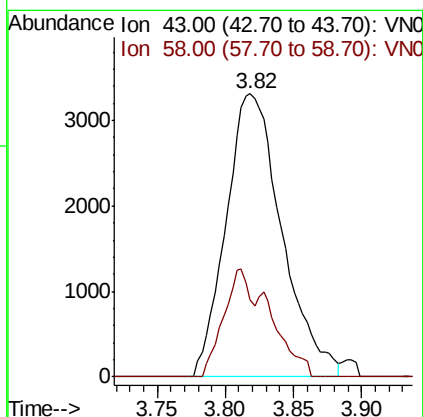
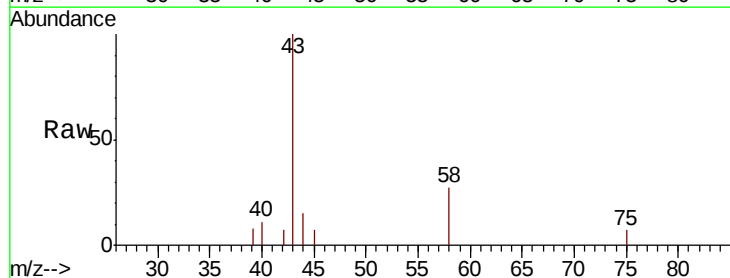
Tgt Ion: 59 Resp: 8698
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

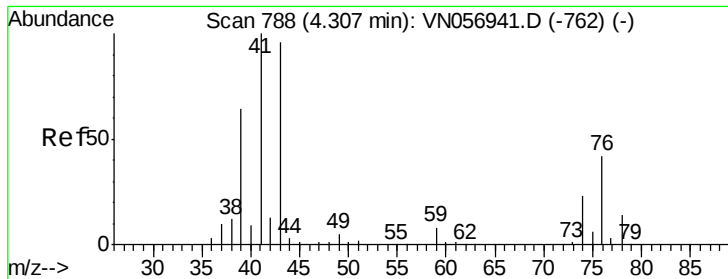


#16

Acetone
 Concen: 4.807 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion: 43 Resp: 9423
 Ion Ratio Lower Upper
 43 100
 58 27.3 27.2 40.8

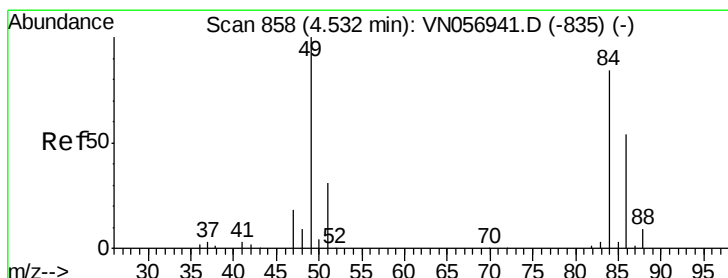
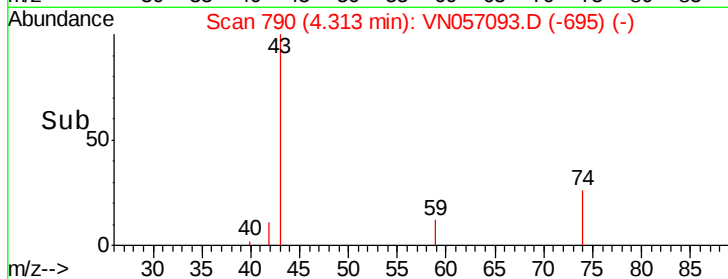
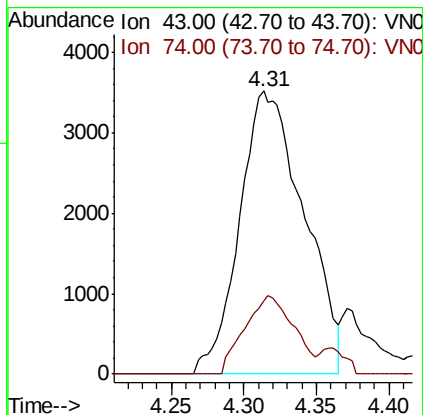
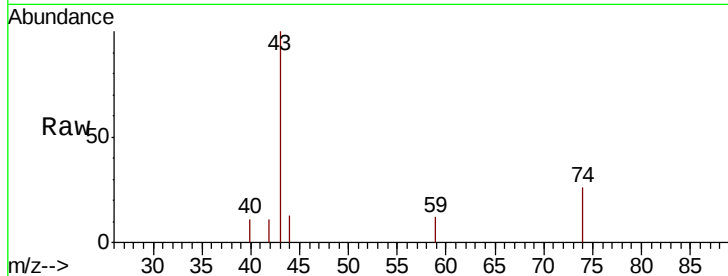




#18
Methyl Acetate
Concen: 1.732 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

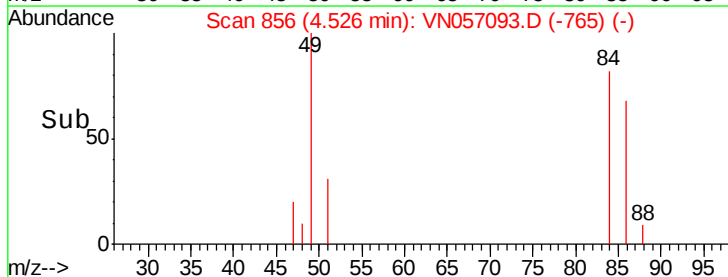
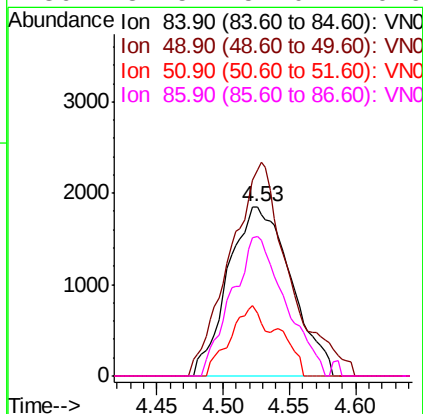
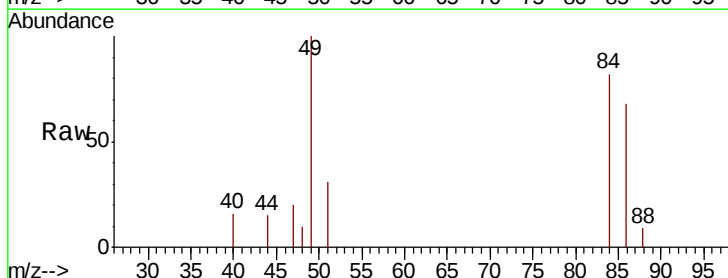
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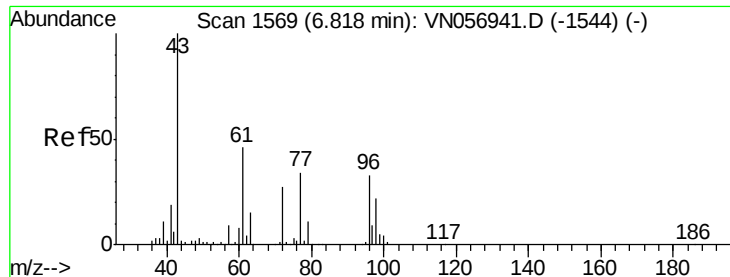
Tgt Ion: 43 Resp: 10829
Ion Ratio Lower Upper
43 100
74 21.3 19.7 29.5



#20
Methylene Chloride
Concen: 1.084 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion: 84 Resp: 6123
Ion Ratio Lower Upper
84 100
49 121.5 95.2 142.8
51 37.3 29.7 44.5
86 82.5 51.0 76.6#

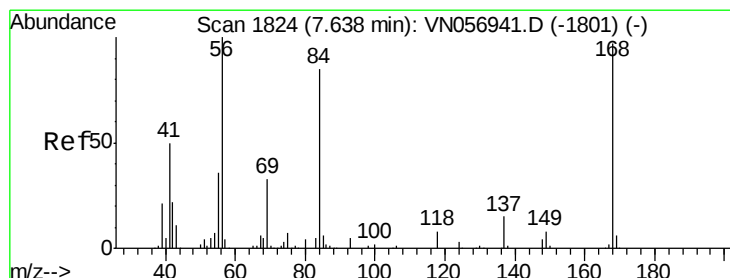
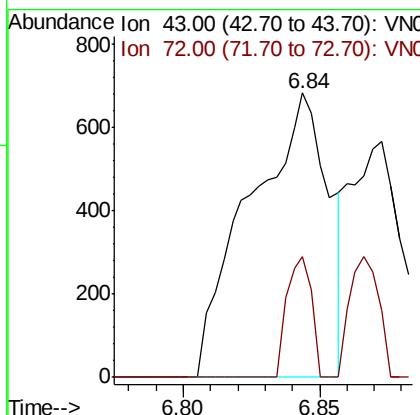
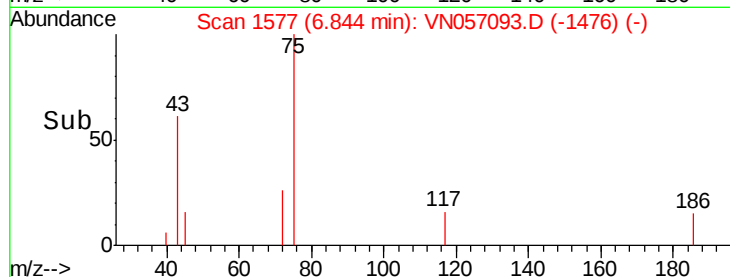
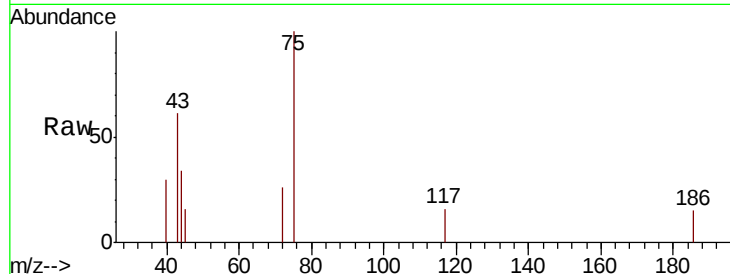




#25
2-Butanone
Concen: 0.492 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.03 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

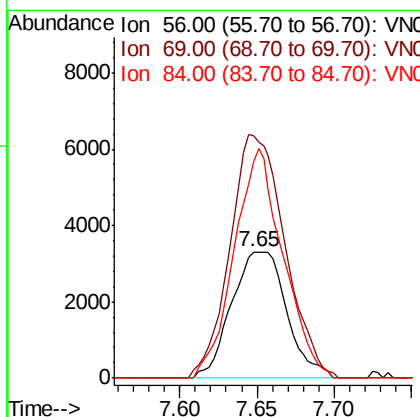
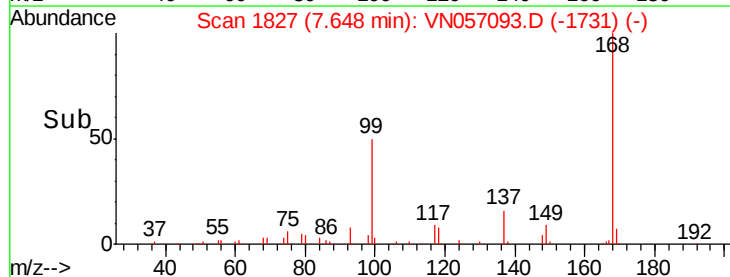
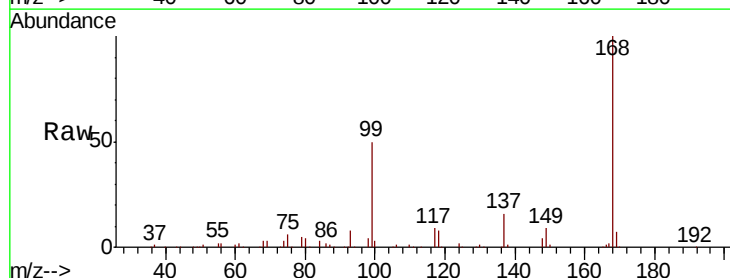
Instrument :
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ClientSampleId :
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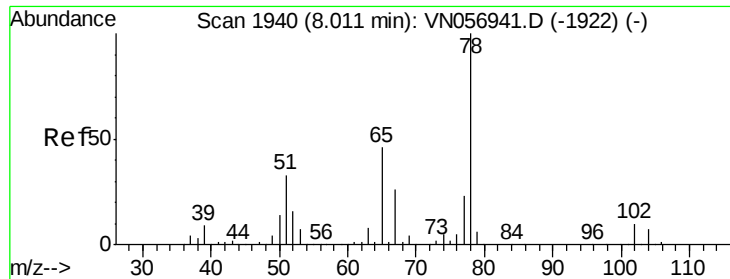
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
72 42.1 21.5 32.3#



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion: 56 Resp: 8205
Ion Ratio Lower Upper
56 100
69 192.1 26.2 39.2#
84 172.2 68.2 102.2#

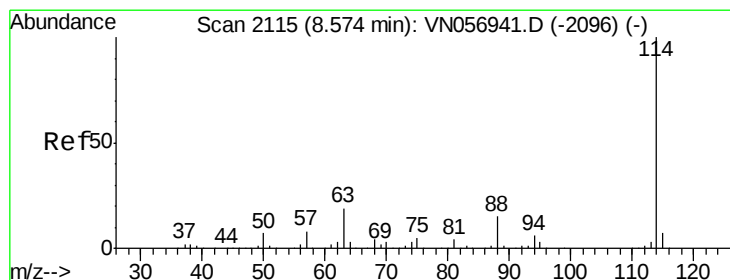
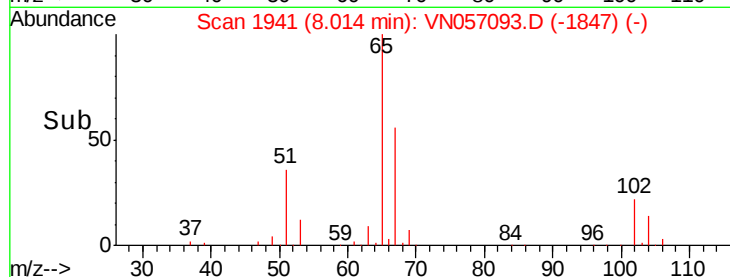
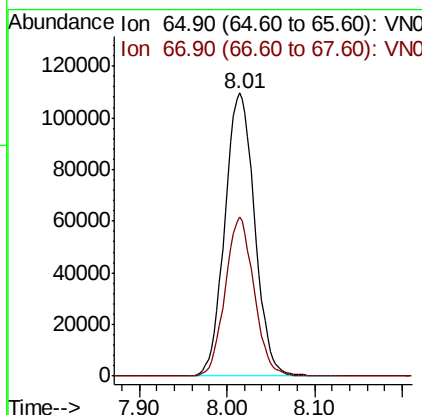
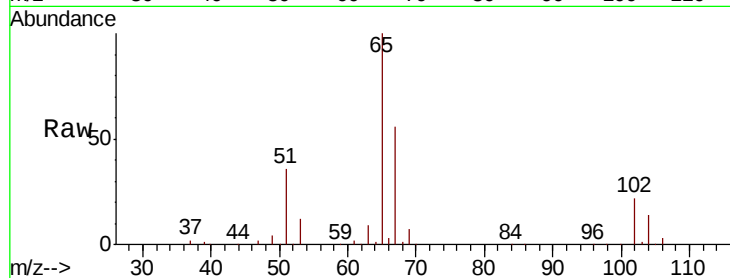




#33
 1,2-Dichloroethane-d4
 Concen: 47.844 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

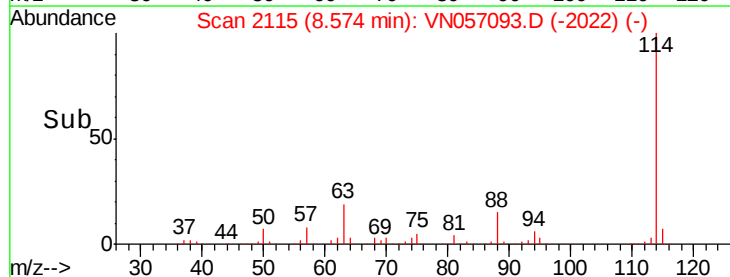
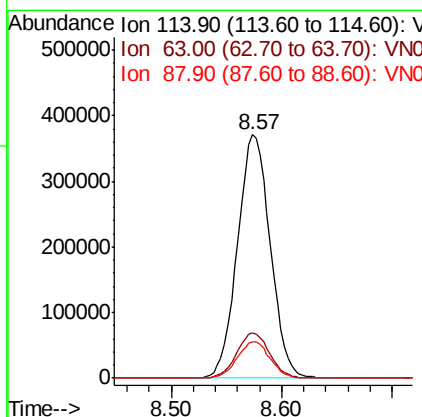
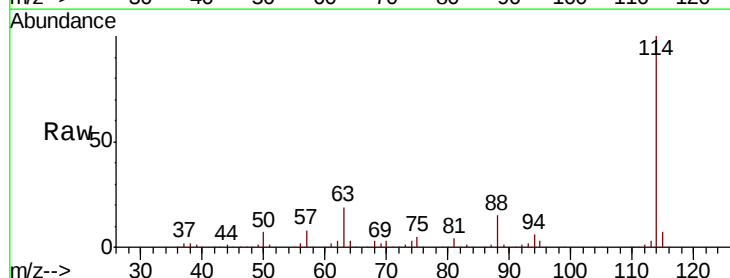
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 ClientSampleId :
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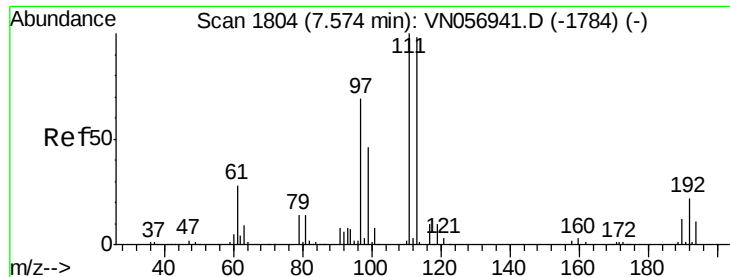
Tgt Ion: 65 Resp: 258877
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion: 114 Resp: 762912
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.0
 88 14.9 0.0 30.0

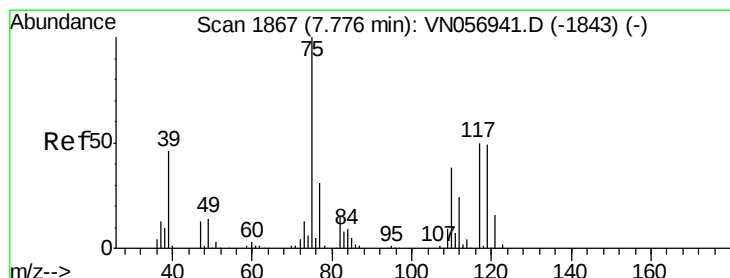
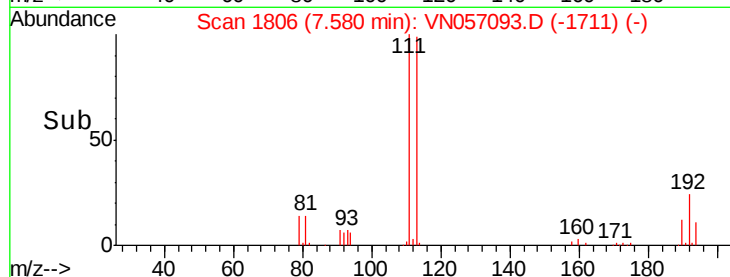
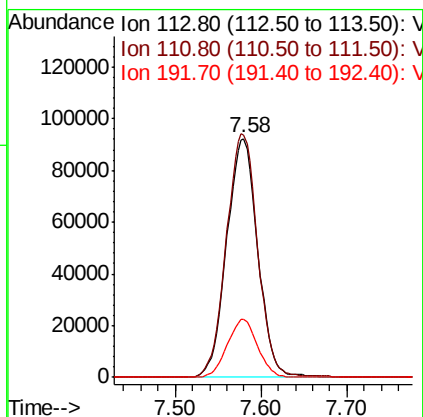
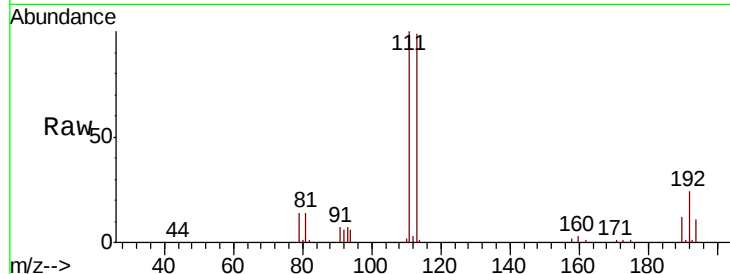




#35
 Dibromofluoromethane
 Concen: 47.290 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

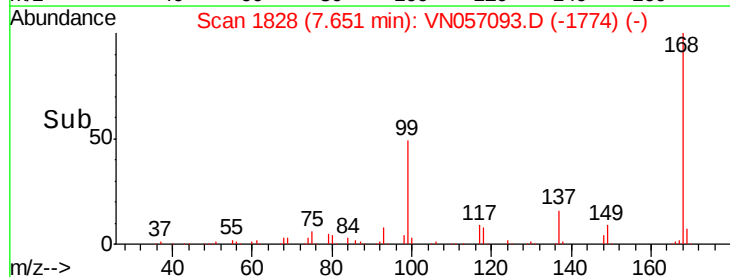
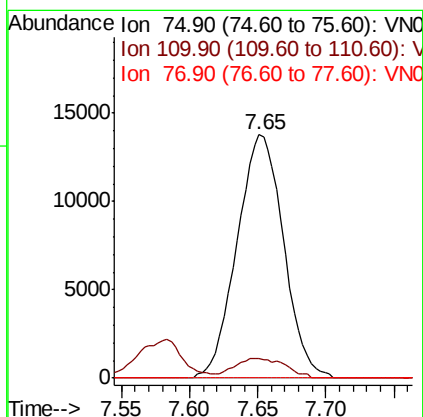
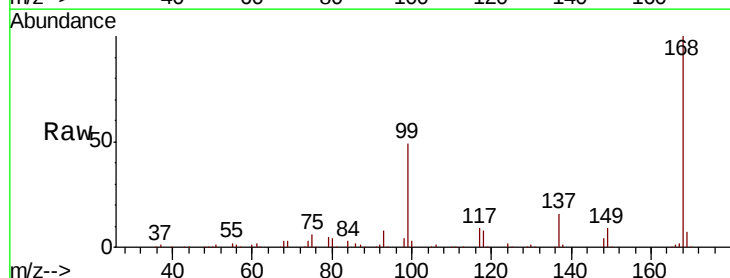
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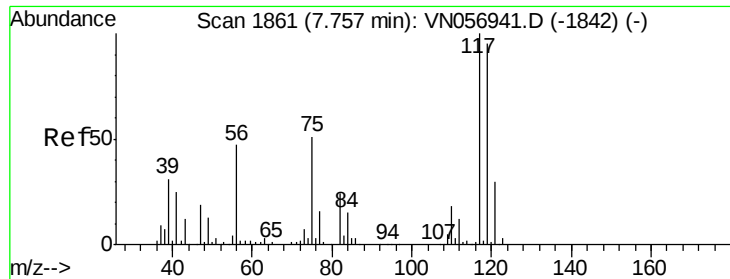
Tgt Ion:113 Resp: 230958
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 23.7 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion: 75 Resp: 32610
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.6 55.8#
 77 0.0 25.2 37.8#

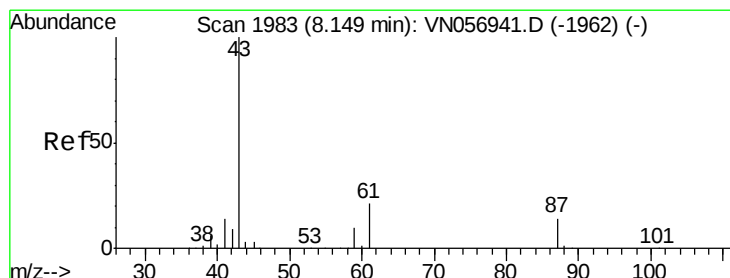
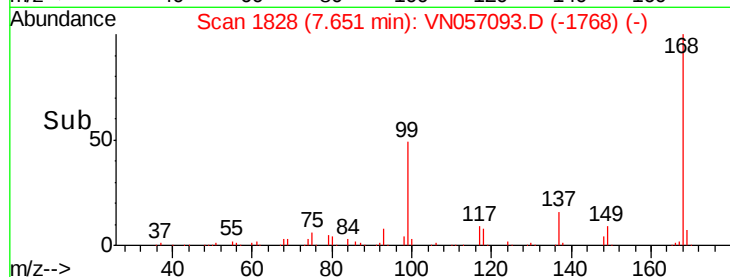
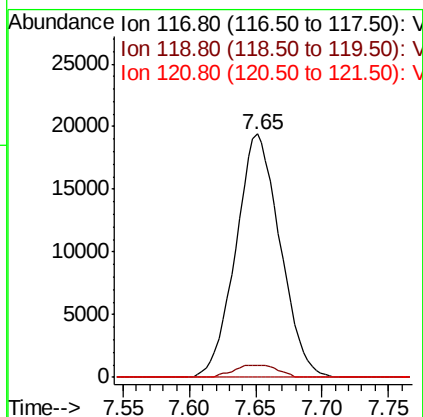
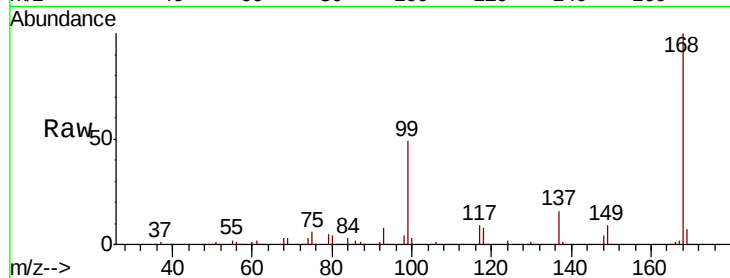




#38
Carbon Tetrachloride
Concen: 7.099 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

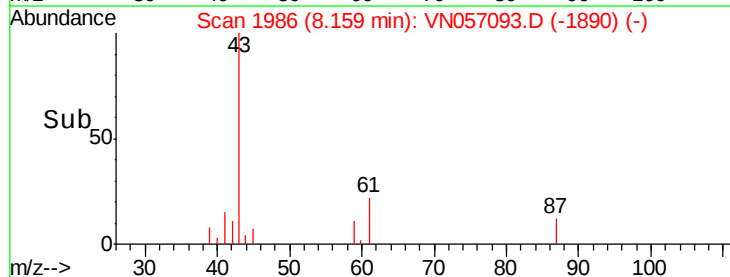
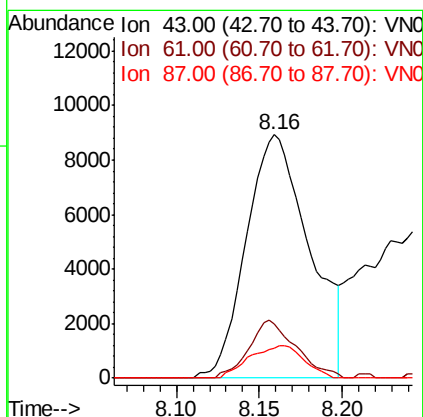
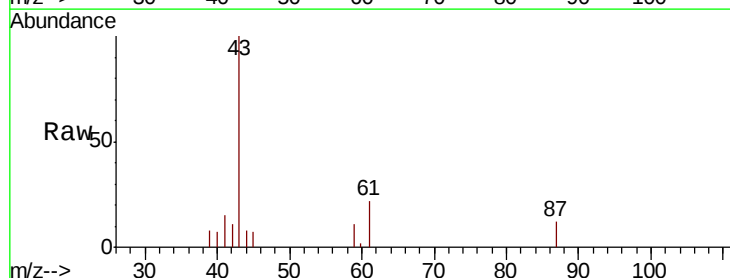
Instrument :
MSVOA_N
ClientSampleId :
PB121998TB

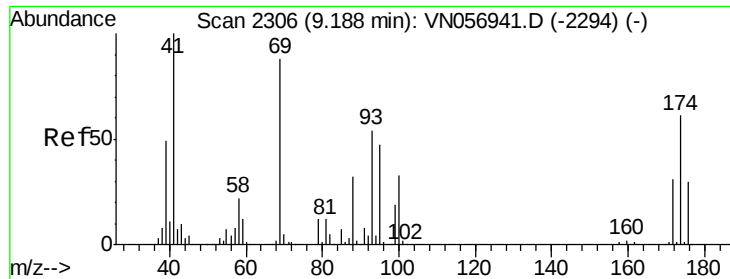
Tgt Ion: 117 Resp: 45081
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 2.658 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion: 43 Resp: 23623
Ion Ratio Lower Upper
43 100
61 17.6 23.0 34.6#
87 11.4 11.7 17.5#

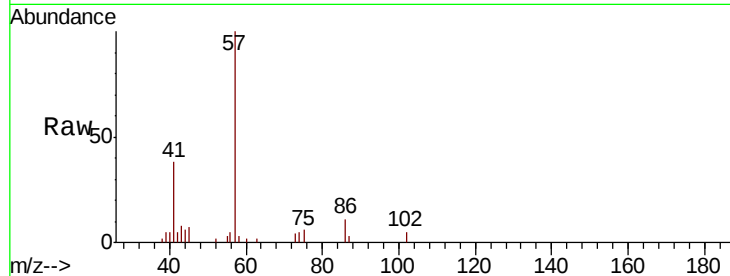




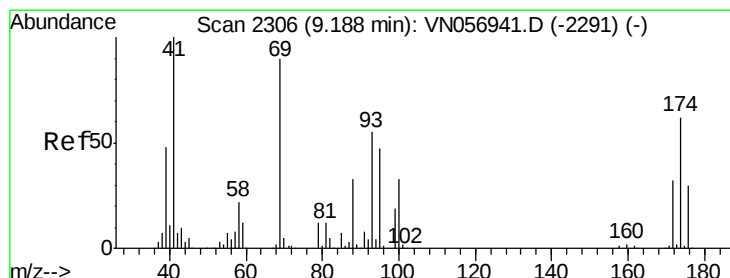
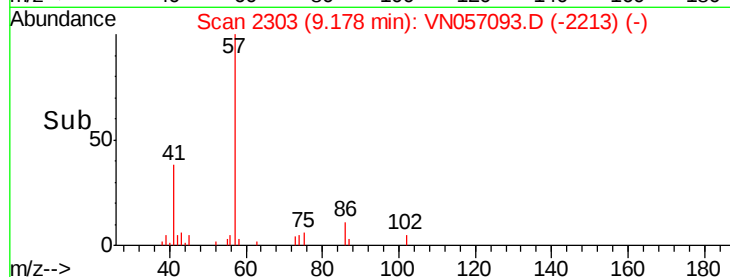
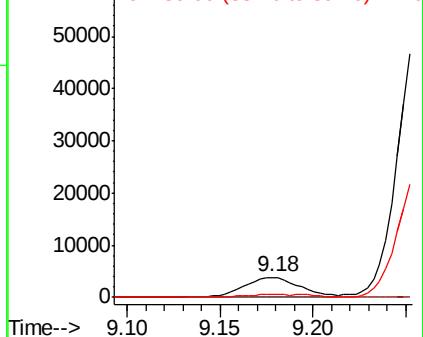
#48
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Instrument :
MSVOA_N
ClientSampleId :
PB121998TB

Tgt Ion: 41 Resp: 8172
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 0.0 39.9 59.9#

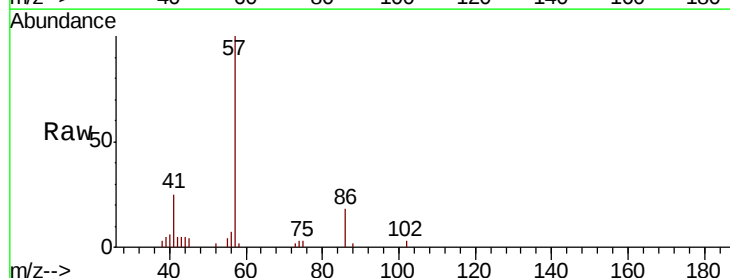


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

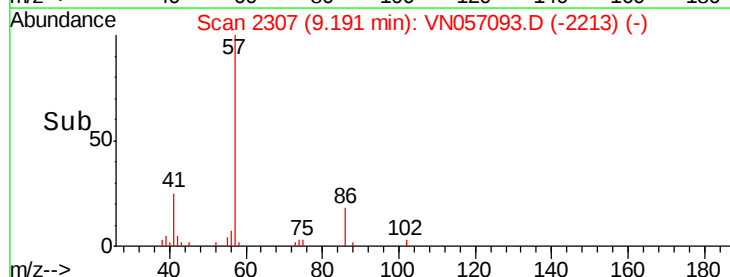
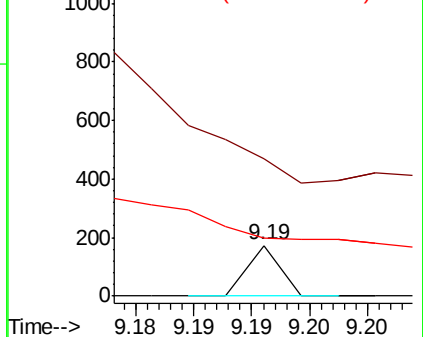


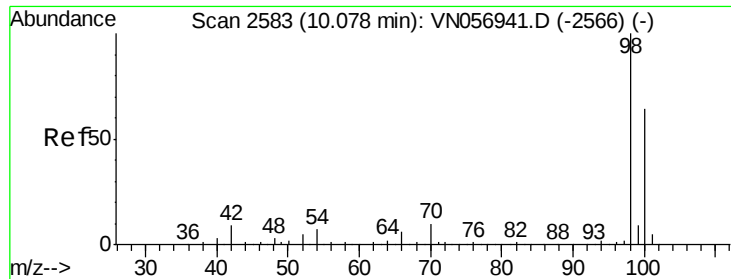
#49
1,4-Dioxane
Concen: 0.373 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 2315.2 54.1 81.1#



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: 48.037 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampled :

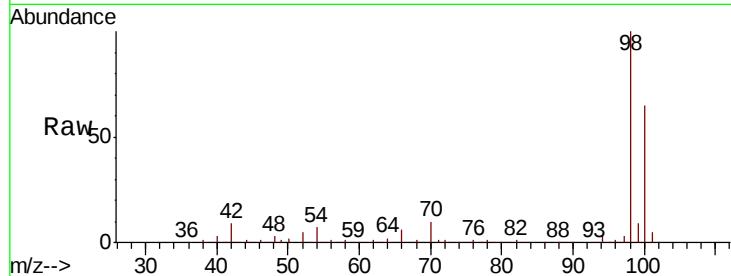
PB121998TB

Tgt Ion: 98 Resp: 894679

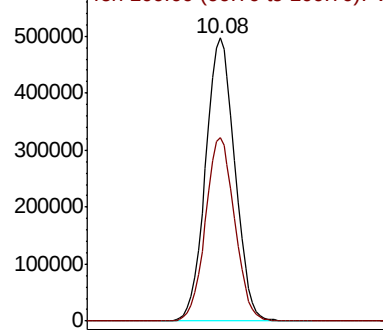
Ion Ratio Lower Upper

98 100

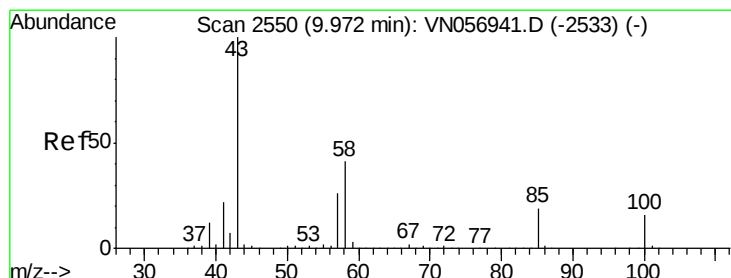
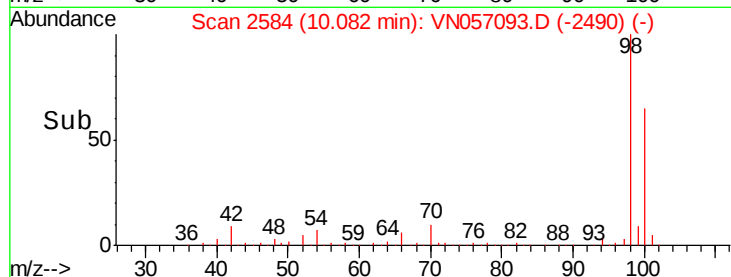
100 64.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.789 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057093.D

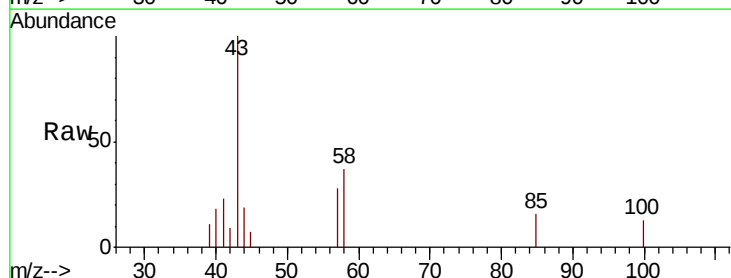
Acq: 6 Aug 2019 11:15

Tgt Ion: 43 Resp: 4164

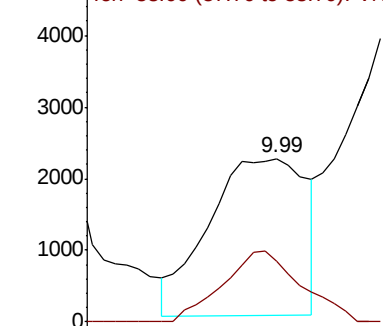
Ion Ratio Lower Upper

43 100

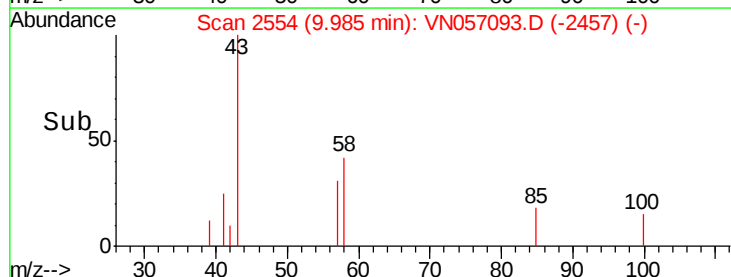
58 36.1 33.1 49.7

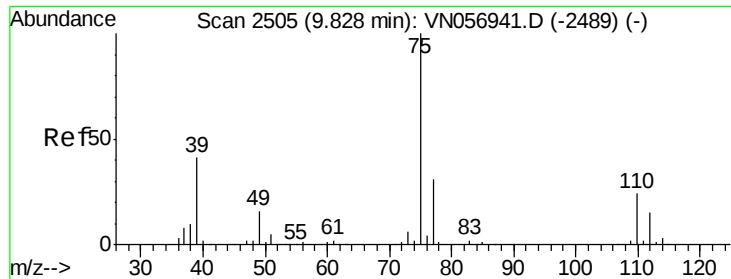


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)



Time-->



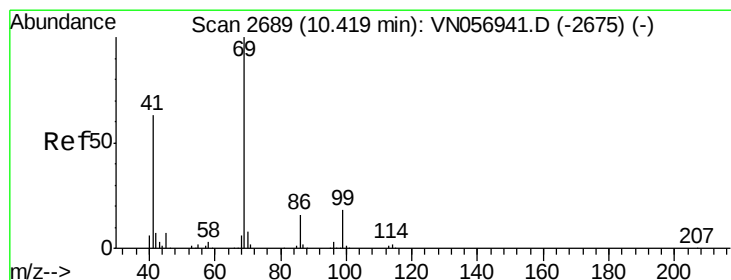
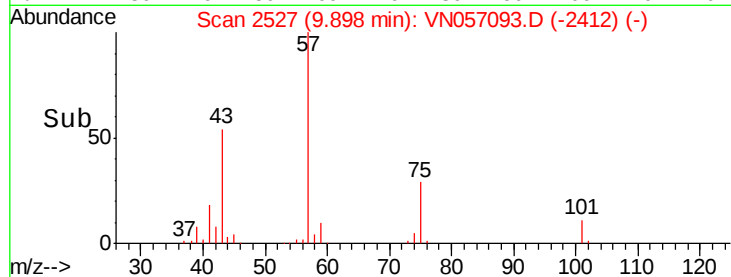
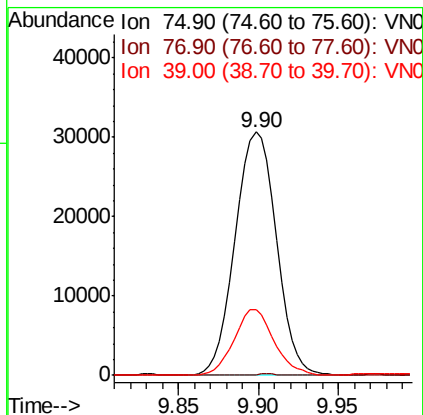
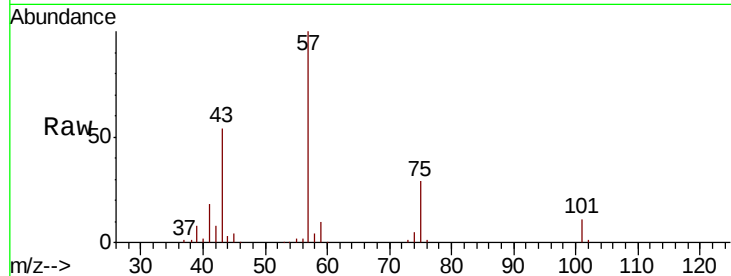


#54

cis-1,3-Dichloropropene
 Concen: 6.819 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121998TB

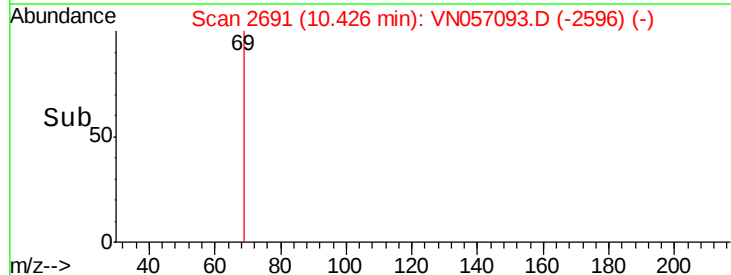
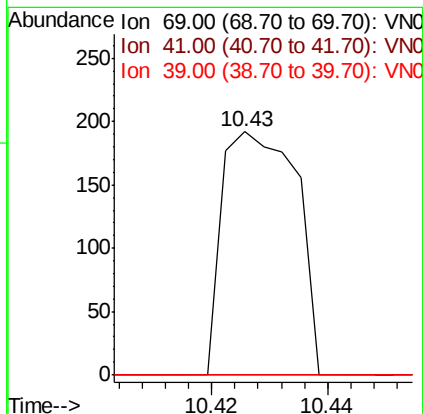
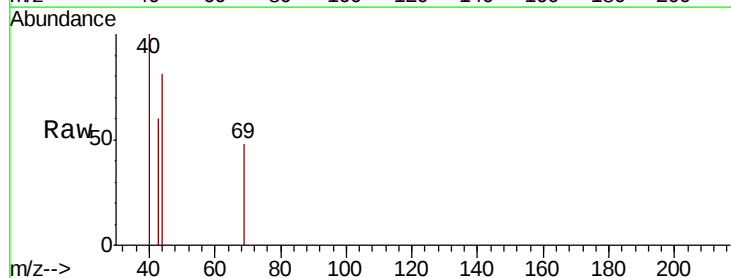
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	27.2	32.6	49.0#

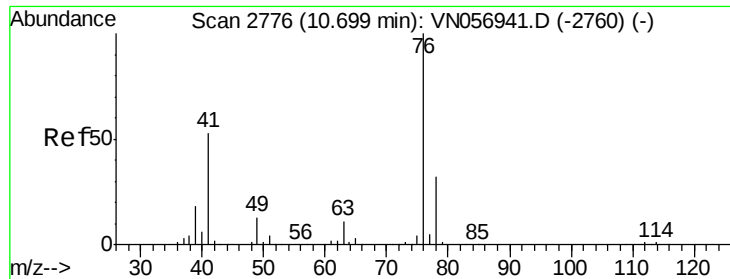


#56

Ethyl methacrylate
 Concen: 1.782 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.01 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	49.2	73.8#
39	0.0	23.1	34.7#





#57

1,3-Dichloropropane

Concen: 1.422 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampled :

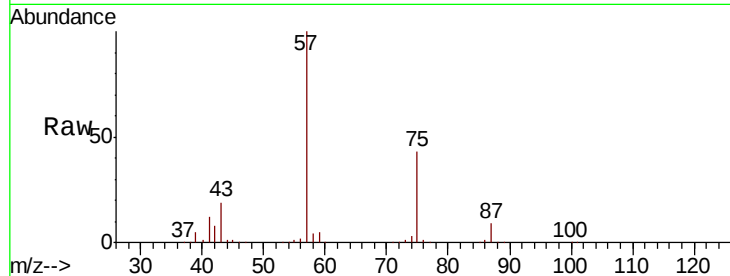
PB121998TB

Tgt Ion: 76 Resp: 11747

Ion Ratio Lower Upper

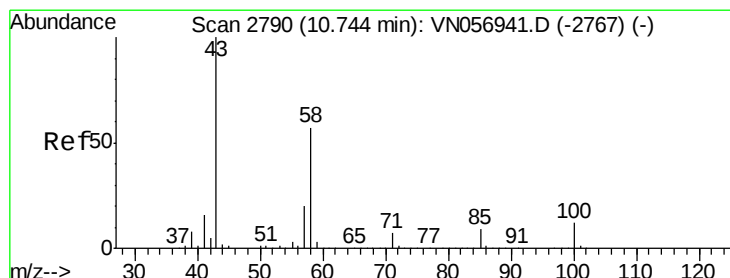
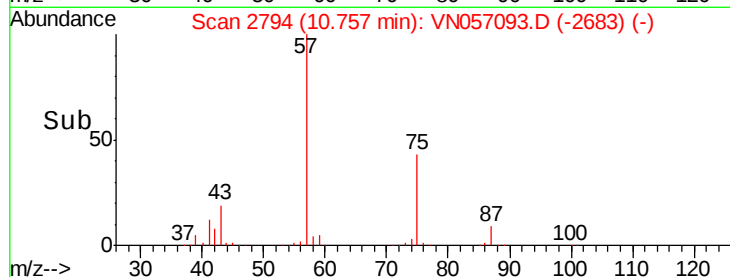
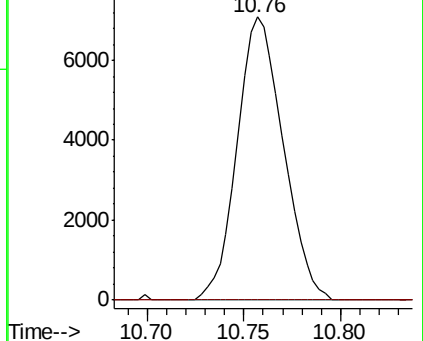
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 39.780 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.02 min

Lab File: VN057093.D

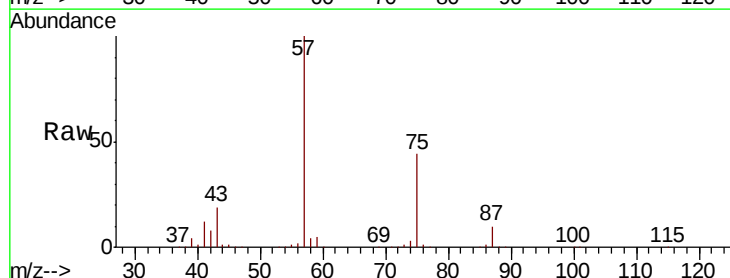
Acq: 6 Aug 2019 11:15

Tgt Ion: 43 Resp: 153119

Ion Ratio Lower Upper

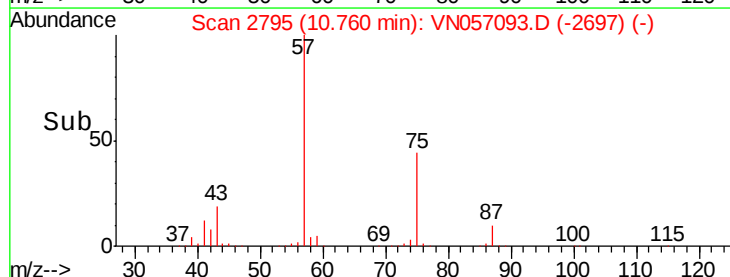
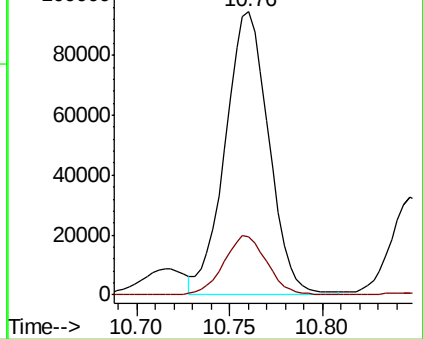
43 100

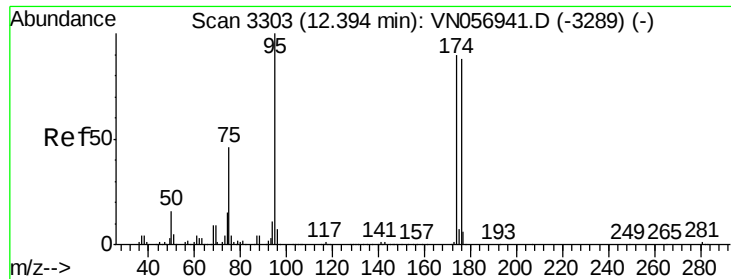
58 20.9 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

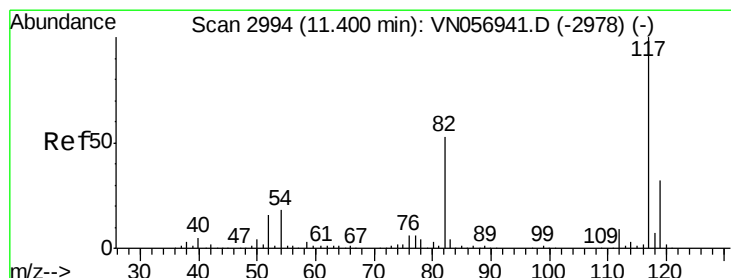
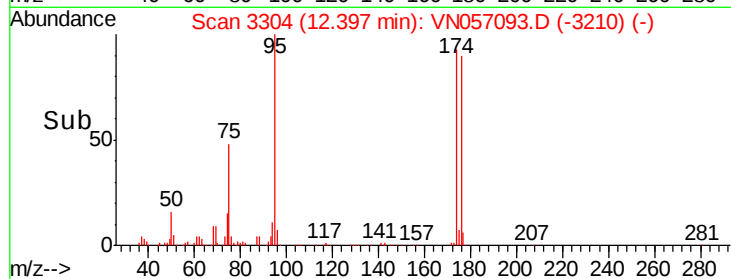
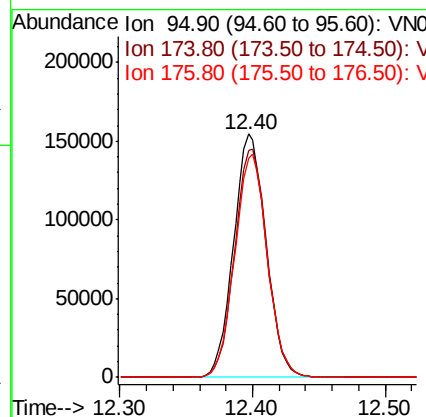
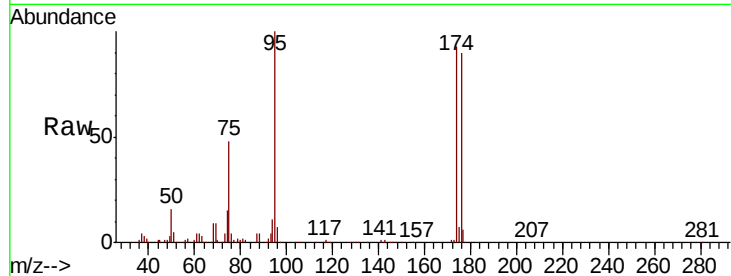




#62
4-Bromofluorobenzene
Concen: 43.204 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

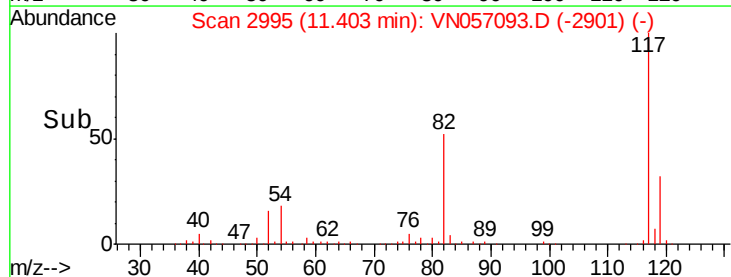
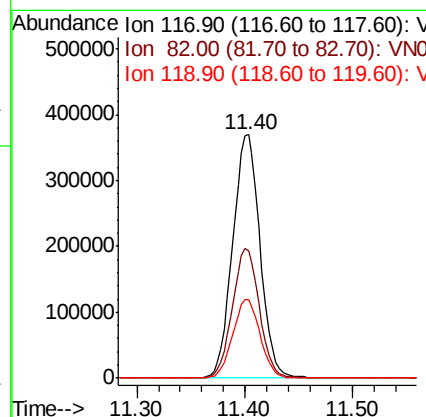
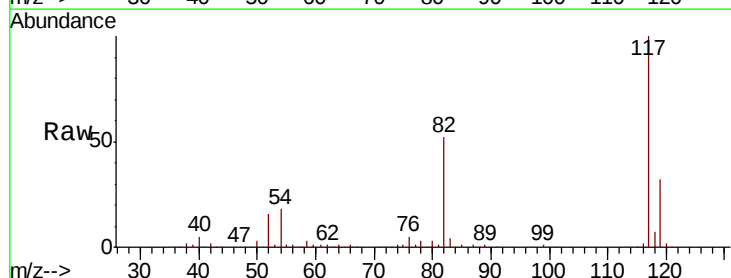
Instrument :
MSVOA_N
ClientSampleId :
PB121998TB

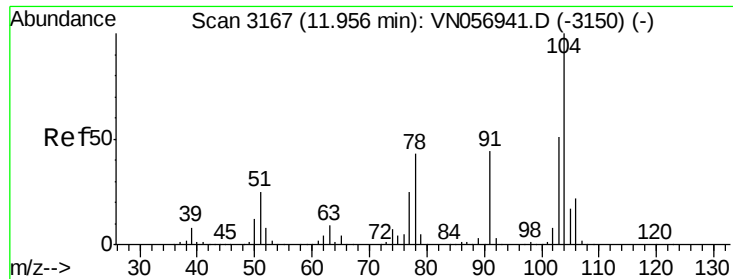
Tgt Ion: 95 Resp: 261950
Ion Ratio Lower Upper
95 100
174 94.5 0.0 182.2
176 91.9 0.0 179.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion: 117 Resp: 653351
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 32.1 25.8 38.6

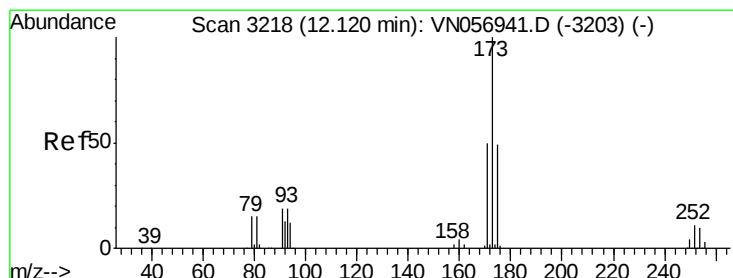
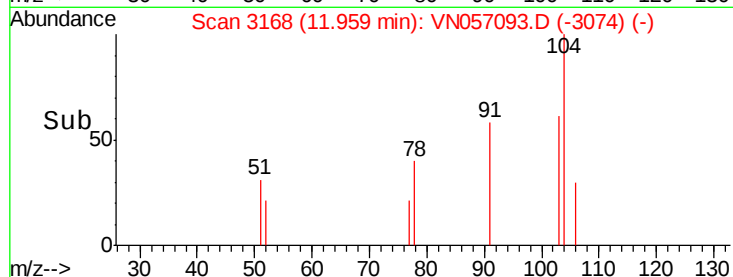
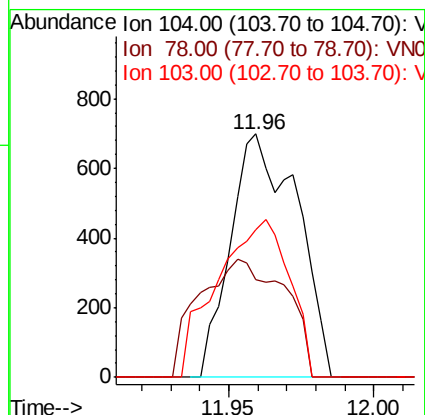
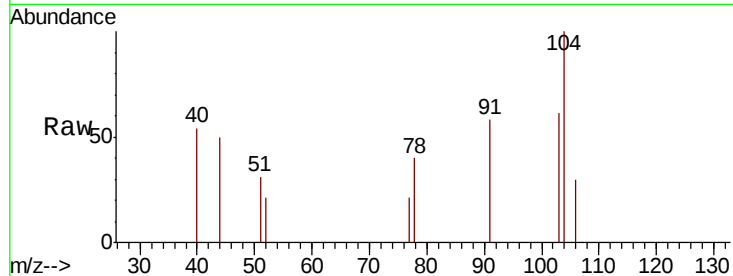




#70
Styrene
Concen: 1.940 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

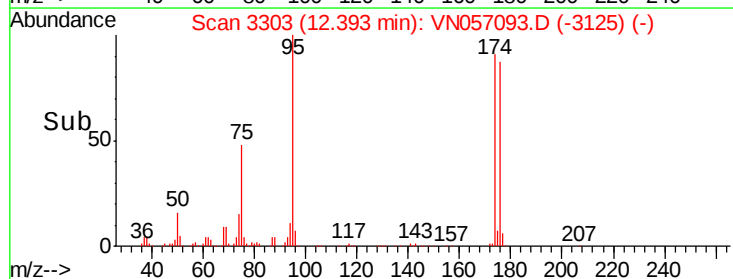
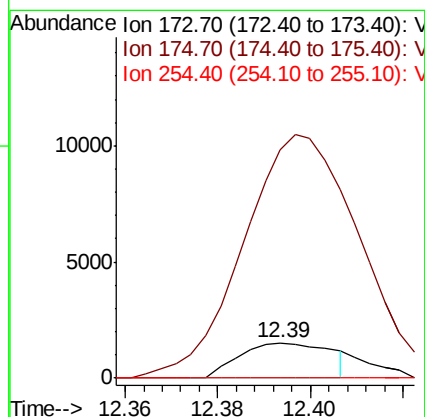
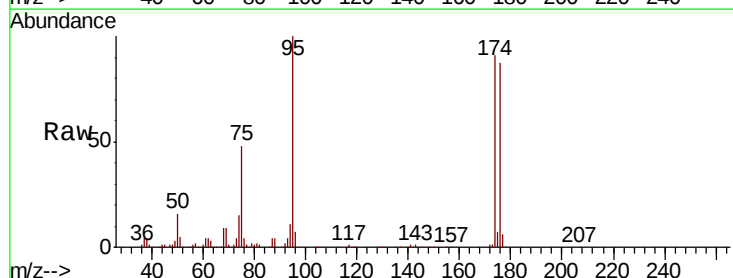
Instrument :
MSVOA_N
ClientSampleId :
PB121998TB

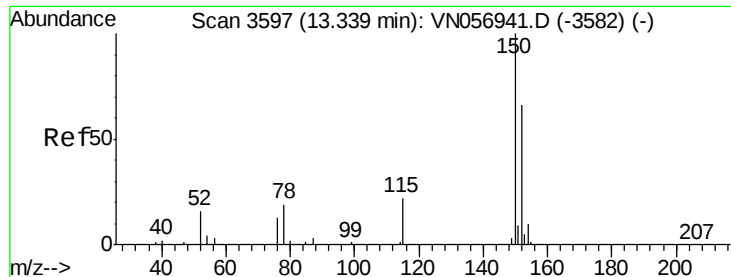
Tgt Ion:104 Resp: 1115
Ion Ratio Lower Upper
104 100
78 62.5 38.1 57.1#
103 70.1 44.3 66.5#



#71
Bromoform
Concen: 0.596 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN057093.D
Acq: 6 Aug 2019 11:15

Tgt Ion:173 Resp: 2087
Ion Ratio Lower Upper
173 100
175 697.0 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

PB121998TB

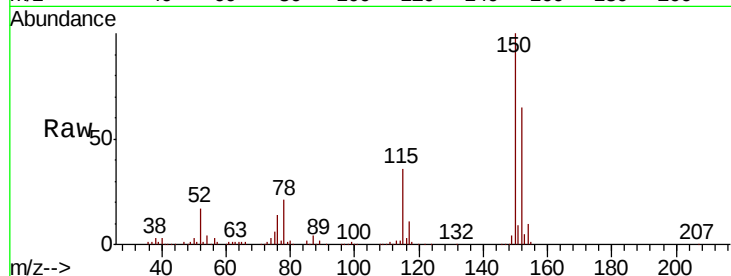
Tgt Ion:152 Resp: 209586

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 157.8 0.0 349.4

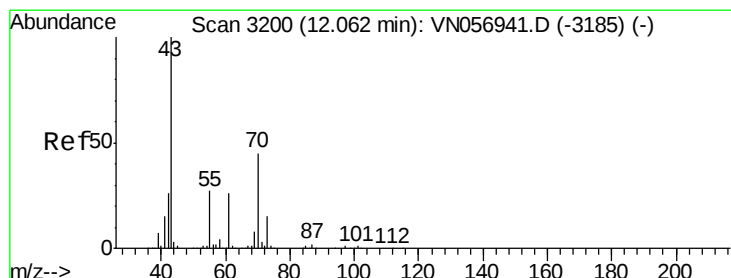
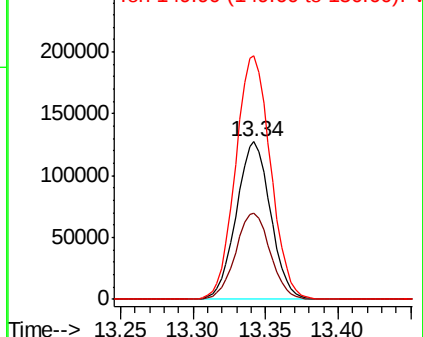
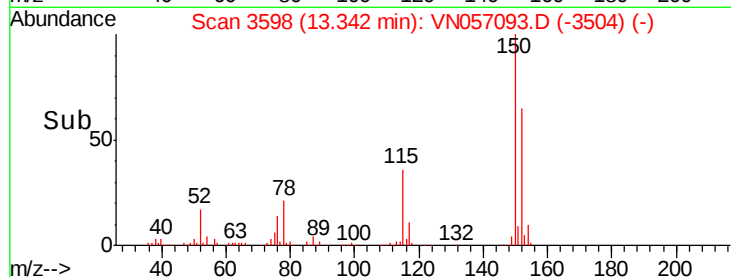


Abundance

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



#74

N-ethyl acetate

Concen: 0.404 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Tgt Ion: 43 Resp: 2127

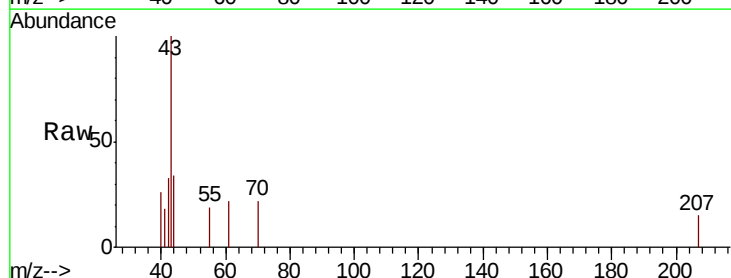
Ion Ratio Lower Upper

43 100

70 20.1 36.5 54.7#

55 11.8 21.4 32.0#

61 10.4 20.5 30.7#



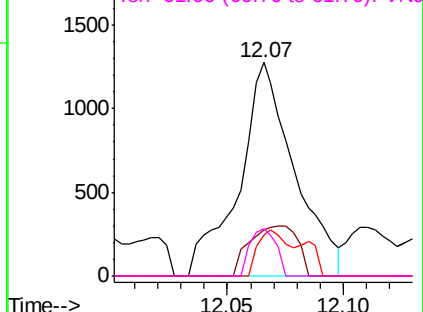
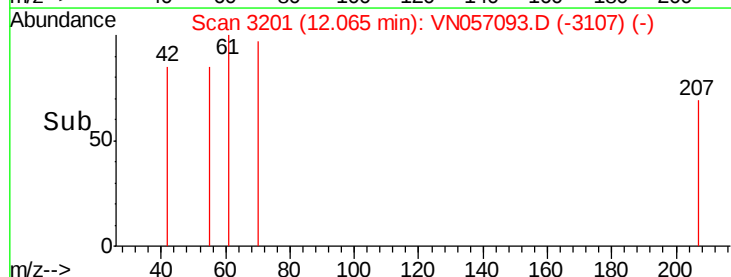
Abundance

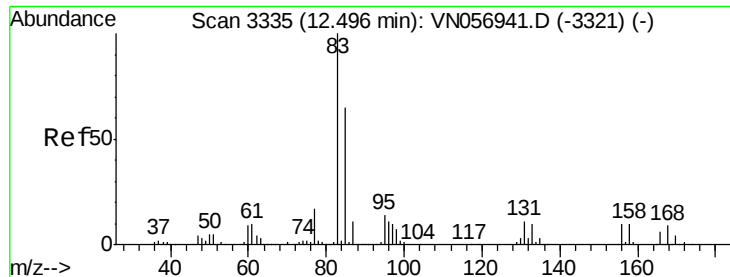
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

PB121998TB

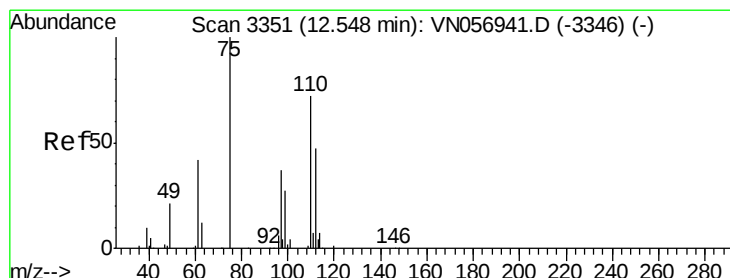
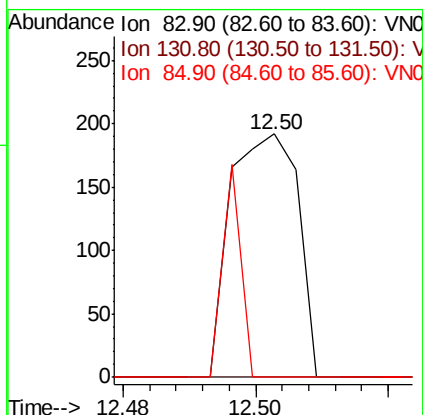
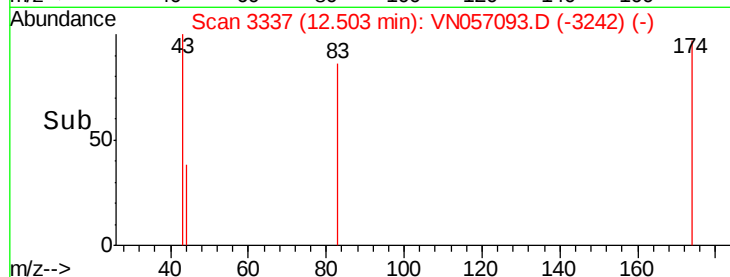
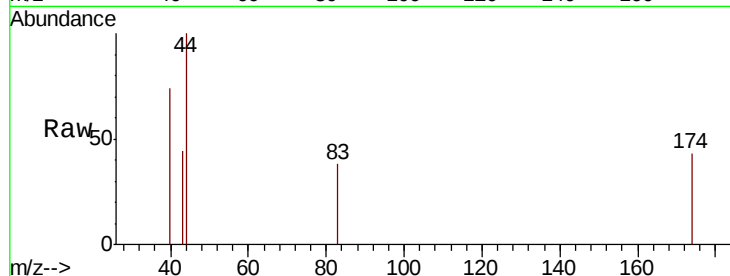
Tgt Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 23.7 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 28.723 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057093.D

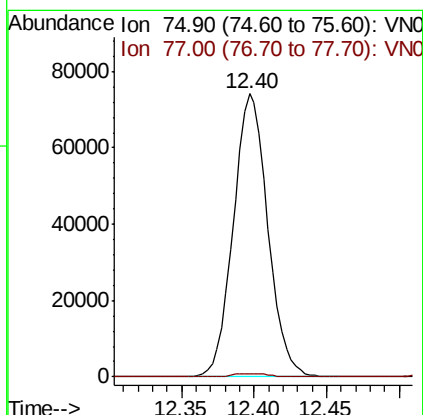
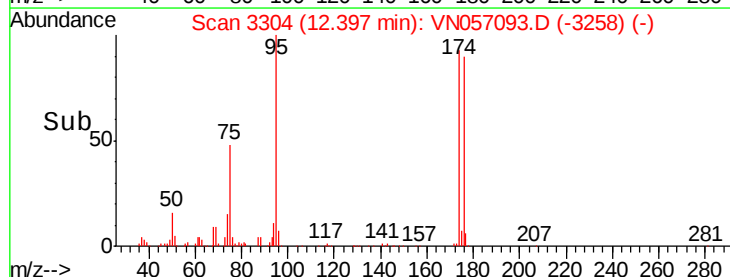
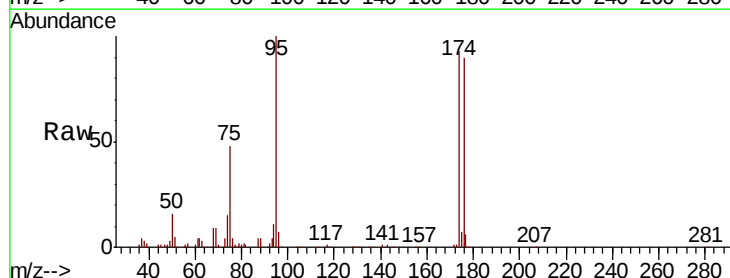
Acq: 6 Aug 2019 11:15

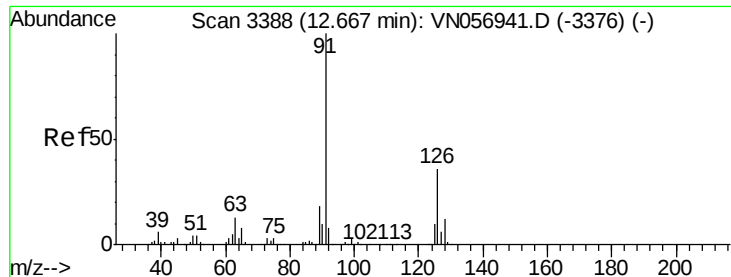
Tgt Ion: 75 Resp: 122256

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: 0.245 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.10 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

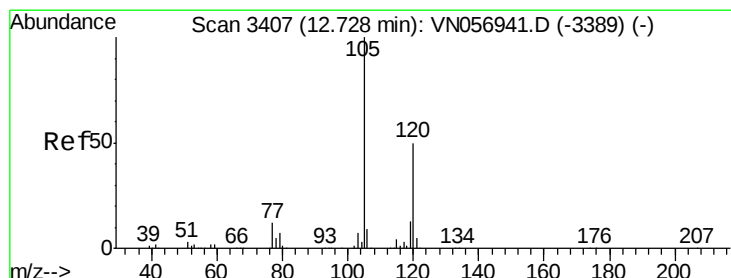
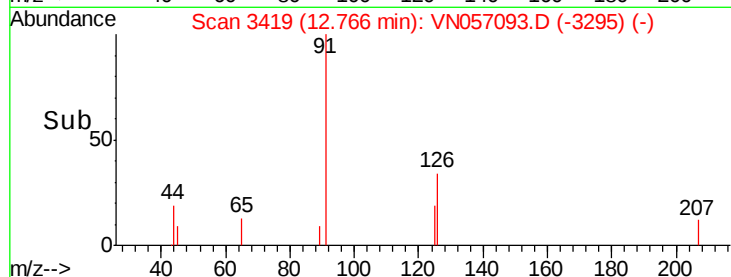
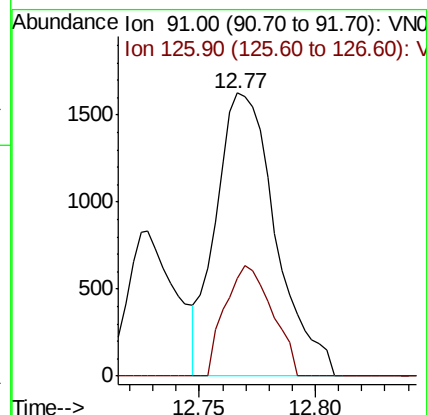
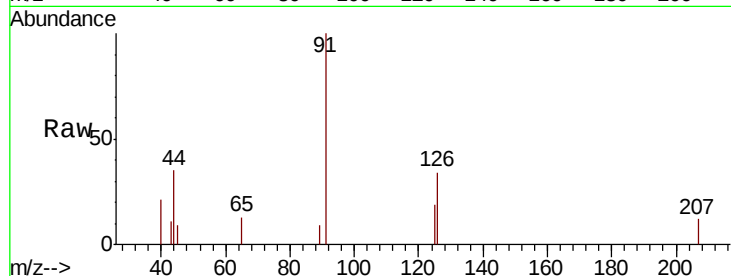
PB121998TB

Tgt Ion: 91 Resp: 2913

Ion Ratio Lower Upper

91 100

126 30.8 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 0.962 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057093.D

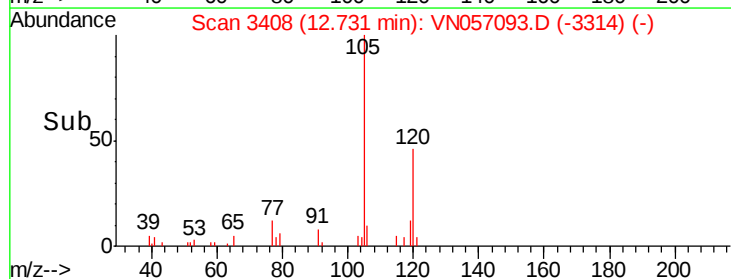
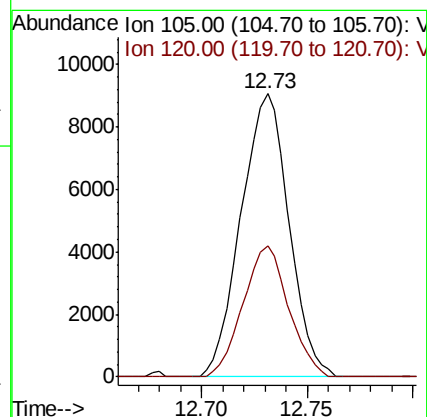
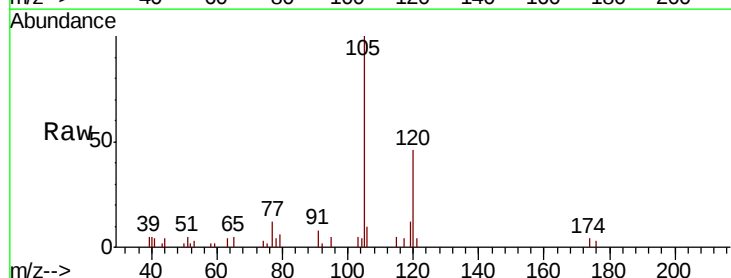
Acq: 6 Aug 2019 11:15

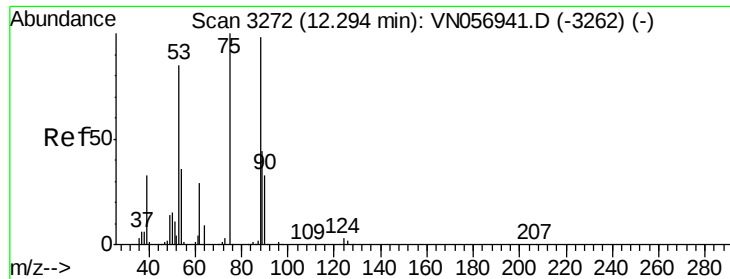
Tgt Ion: 105 Resp: 14300

Ion Ratio Lower Upper

105 100

120 44.0 24.8 74.3

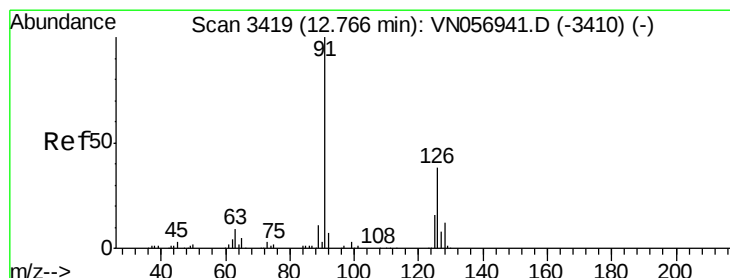
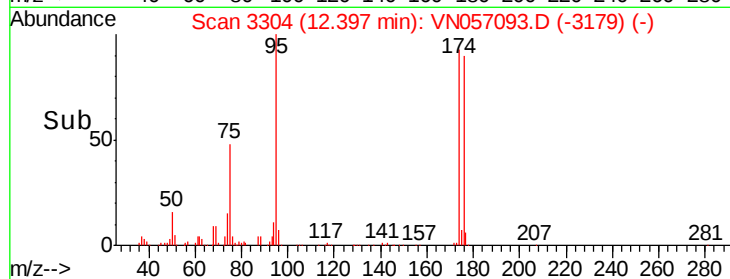
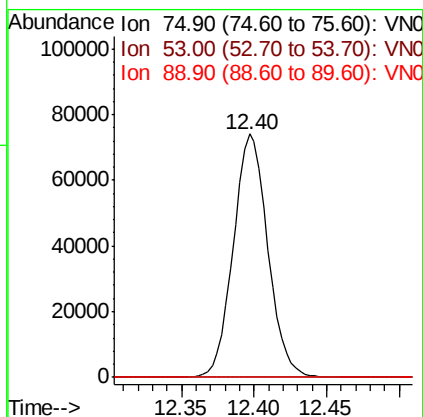
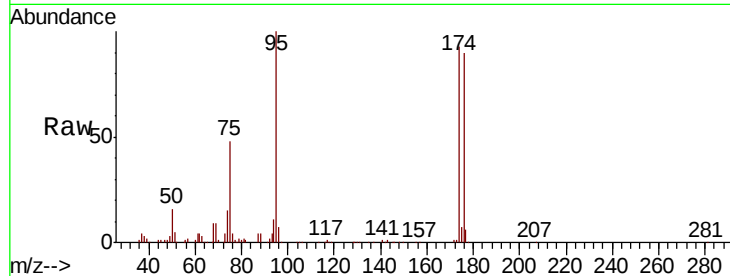




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.287 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

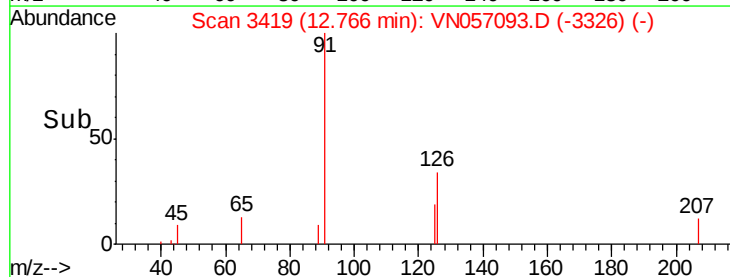
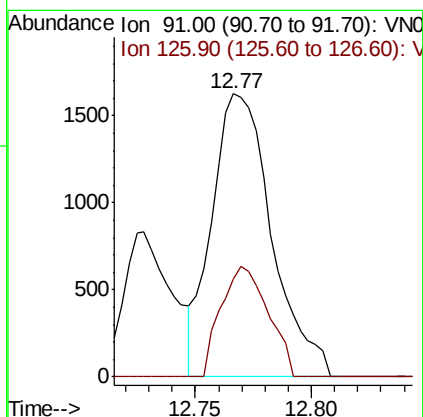
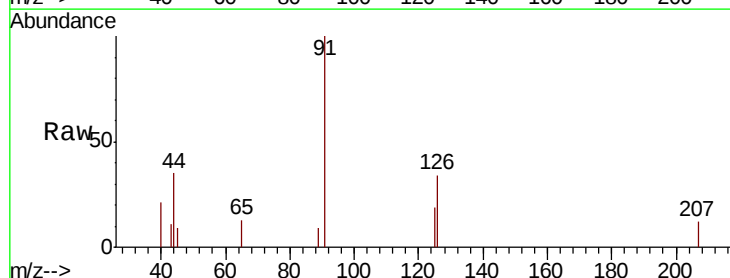
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121998TB

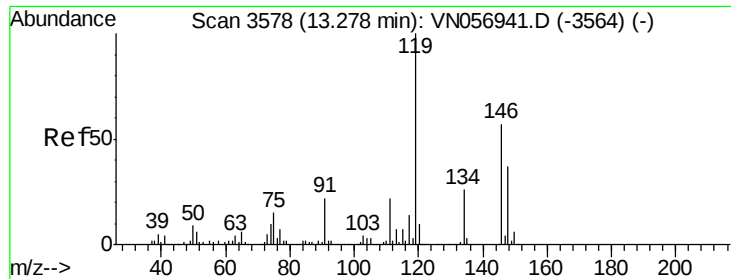
Tgt Ion: 75 Resp: 122256
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.3 103.9#
 89 0.0 35.8 53.6#



#82
 4-Chlorotoluene
 Concen: 0.261 ug/l
 RT: 12.77 min Scan# 3419
 Delta R.T. -0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion: 91 Resp: 2913
 Ion Ratio Lower Upper
 91 100
 126 30.8 17.5 52.5

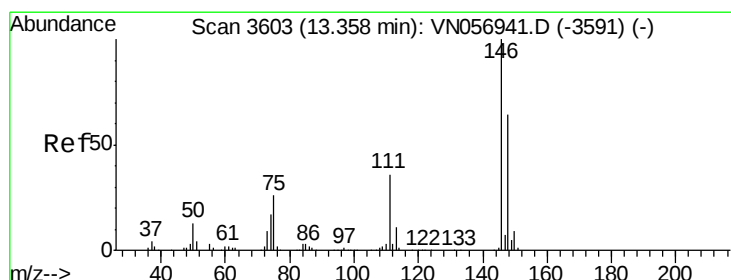
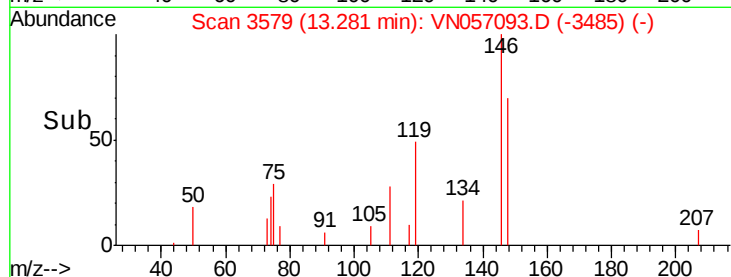
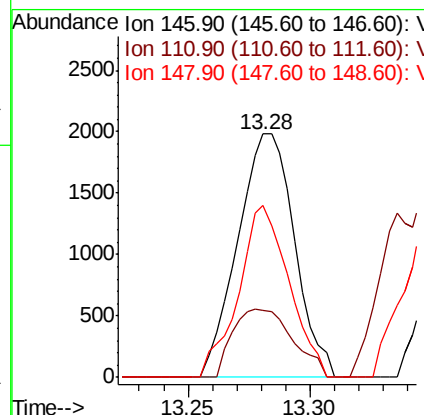
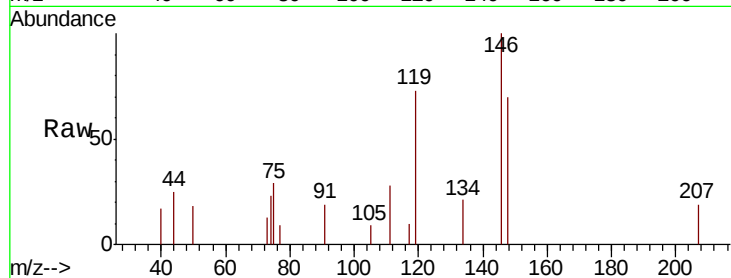




#87
 1,3-Dichlorobenzene
 Concen: 0.445 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

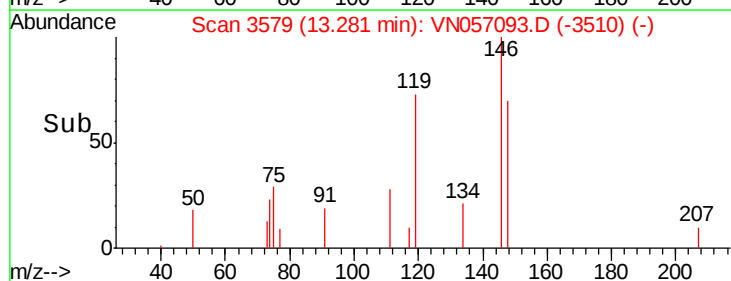
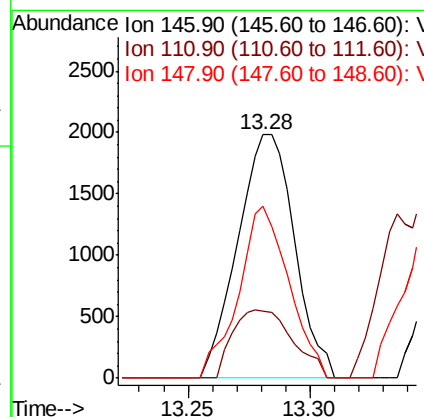
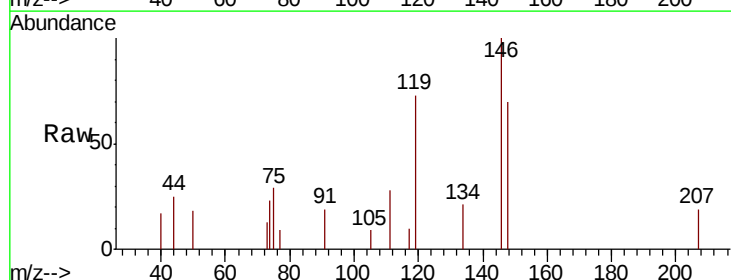
Instrument :
 MSVOA_N
 ClientSampled :
 PB121998TB

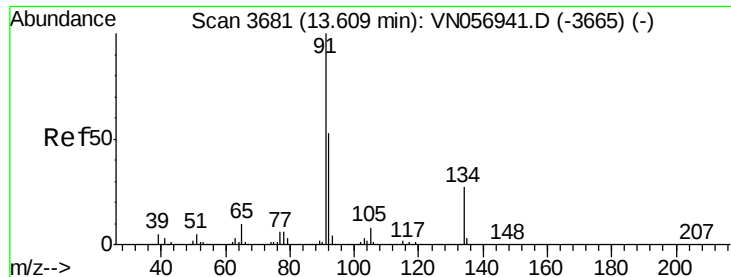
Tgt Ion:146 Resp: 3200
 Ion Ratio Lower Upper
 146 100
 111 29.7 18.6 55.8
 148 62.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.462 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion:146 Resp: 3200
 Ion Ratio Lower Upper
 146 100
 111 29.7 18.4 55.2
 148 62.4 32.3 96.9





#89

n-Butylbenzene

Concen: 0.384 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

PB121998TB

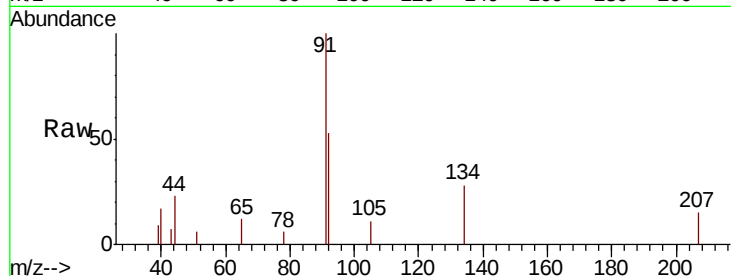
Tgt Ion: 91 Resp: 4460

Ion Ratio Lower Upper

91 100

92 48.9 26.2 78.5

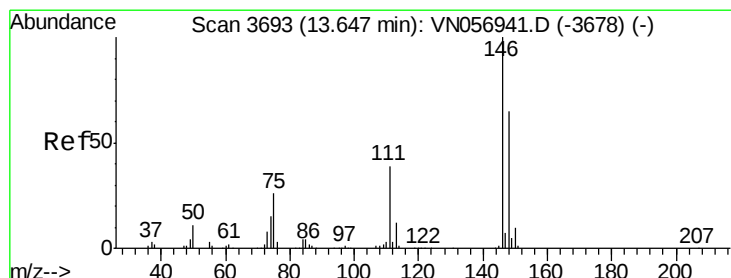
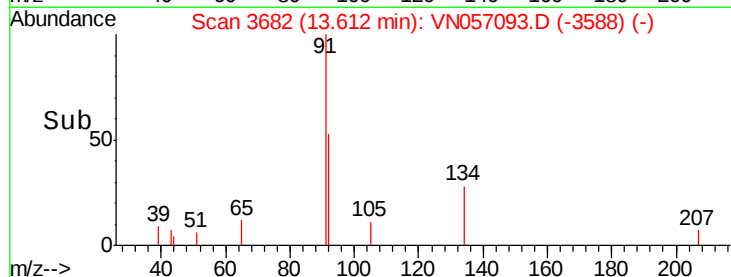
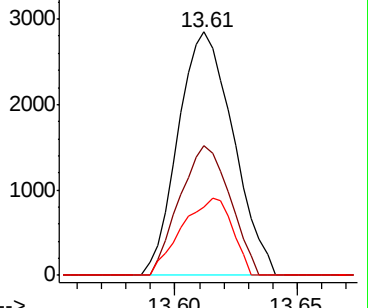
134 29.1 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN056941.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN056941.D (-3665) (-)



#91

1,2-Dichlorobenzene

Concen: 0.494 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

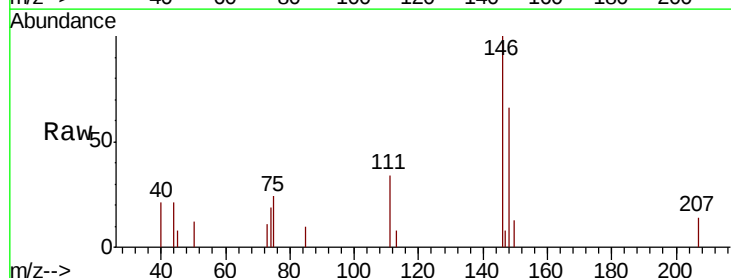
Tgt Ion: 146 Resp: 3493

Ion Ratio Lower Upper

146 100

111 35.4 19.4 58.4

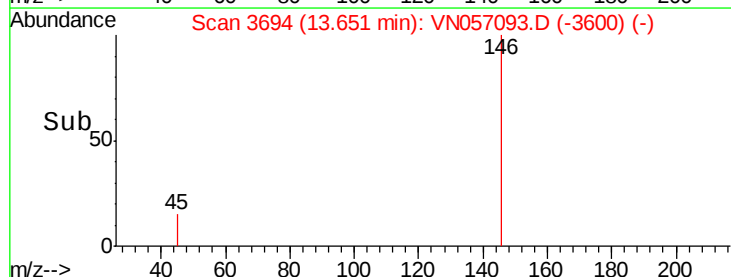
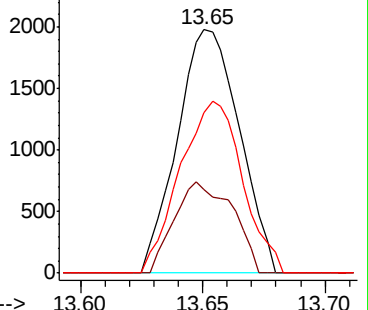
148 71.0 32.2 96.6

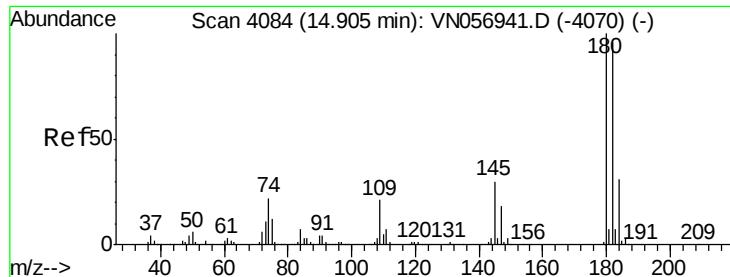


Abundance Ion 145.90 (145.60 to 146.60): VN056941.D (-3678) (-)

Ion 110.90 (110.60 to 111.60): VN056941.D (-3678) (-)

Ion 147.90 (147.60 to 148.60): VN056941.D (-3678) (-)

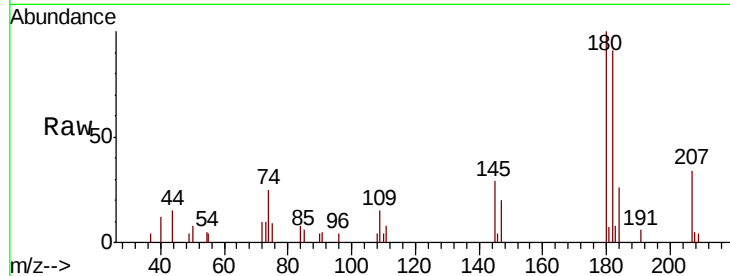




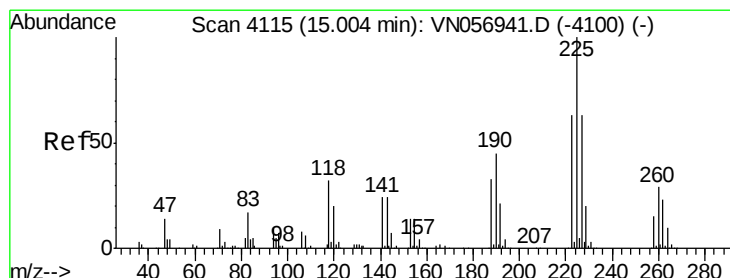
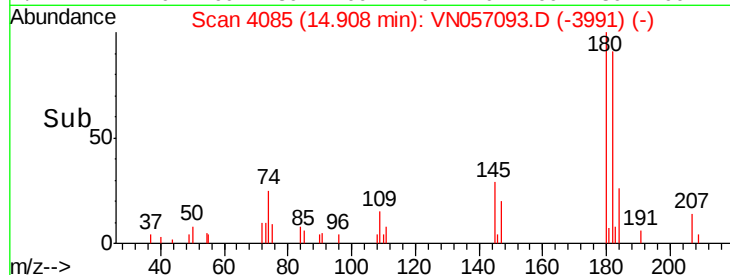
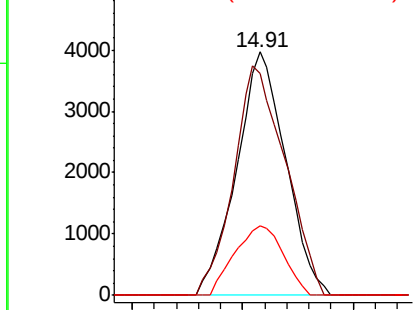
#93
 1,2,4-Trichlorobenzene
 Concen: 4.292 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121998TB

Tgt Ion:180 Resp: 6102
 Ion Ratio Lower Upper
 180 100
 182 99.1 47.6 142.8
 145 28.2 14.2 42.8

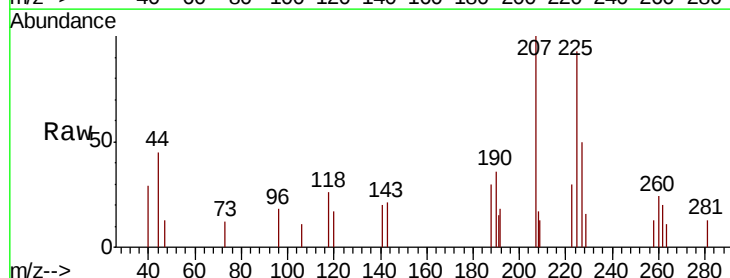


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

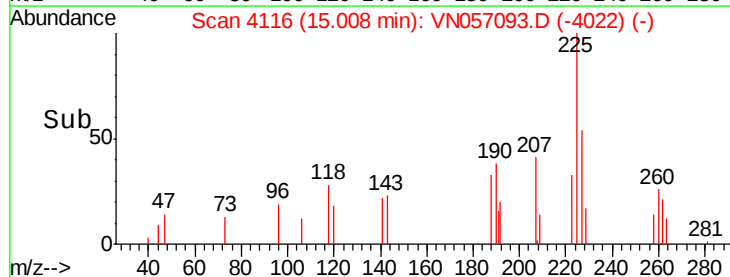
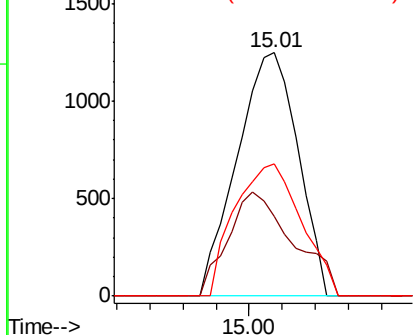


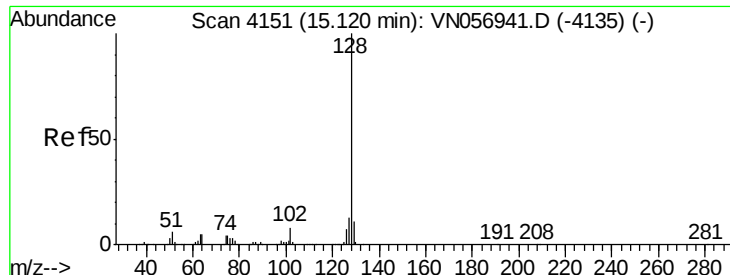
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057093.D
 Acq: 6 Aug 2019 11:15

Tgt Ion:225 Resp: 1591
 Ion Ratio Lower Upper
 225 100
 223 46.0 30.8 92.4
 227 59.5 31.1 93.5



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: 4.381 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

PB121998TB

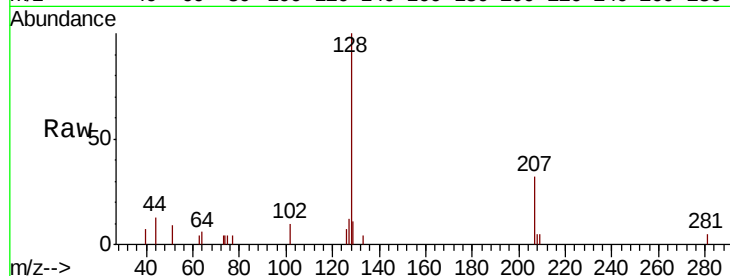
Tgt Ion:128 Resp: 7611

Ion Ratio Lower Upper

128 100

127 13.6 10.0 15.0

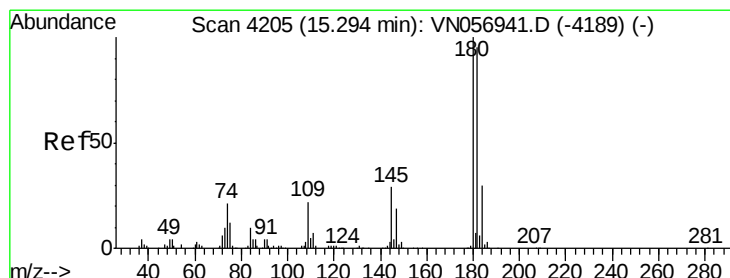
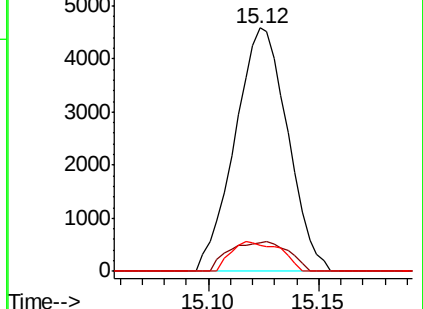
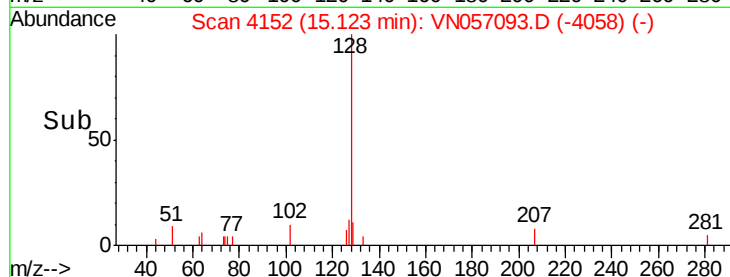
129 11.5 8.7 13.1



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: 3.593 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN057093.D

Acq: 6 Aug 2019 11:15

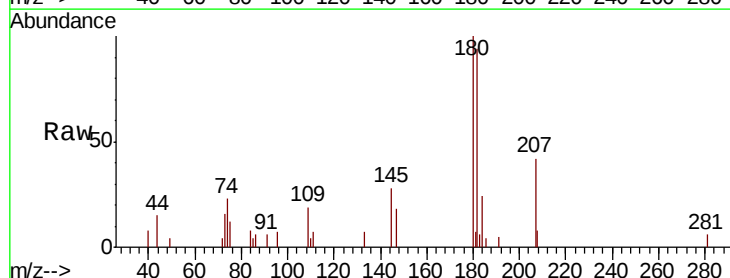
Tgt Ion:180 Resp: 5937

Ion Ratio Lower Upper

180 100

182 103.6 48.0 144.2

145 28.6 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

