

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020725.D
 Acq On : 26 Dec 2024 18:25
 Operator : SY/MD
 Sample : P5342-05RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

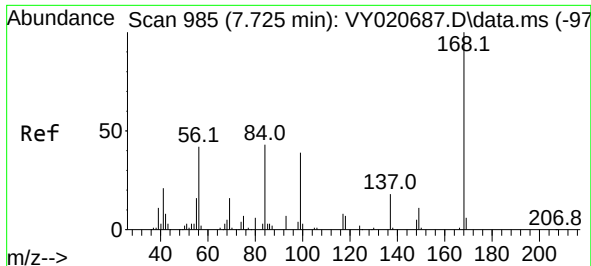
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB21198RE

Quant Time: Dec 27 00:36:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	10968	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.622	114	13469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3479	38.725	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.460%		
35) Dibromofluoromethane	7.640	113	3862	52.056	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.120%		
50) Toluene-d8	10.109	98	14167	48.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.180%		
62) 4-Bromofluorobenzene	12.408	95	3297	33.440	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	66.880%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	65	Below Cal	#	89
16) Acetone	3.860	43	265	23.252	ug/l #	43
18) Methyl Acetate	4.129	43	44	1.426	ug/l #	43
26) 2,2-Dichloropropane	6.872	77	212	1.296	ug/l #	54
31) Cyclohexane	7.713	56	204	1.768	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	726	7.408	ug/l #	39
38) Carbon Tetrachloride	7.713	117	1140	7.064	ug/l #	13
51) 4-Methyl-2-Pentanone	10.006	43	143	4.316	ug/l #	32
74) N-amyl acetate	12.036	43	90	5.497	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.530	83	97	6.567	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	1458	137.847	ug/l #	100
78) n-propylbenzene	12.591	91	153	1.185	ug/l #	51
79) 2-Chlorotoluene	12.688	91	141	1.915	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.408	75	1458	272.470	ug/l #	8
82) 4-Chlorotoluene	12.798	91	124	1.630	ug/l #	39
89) n-Butylbenzene	13.621	91	125	1.391	ug/l #	53

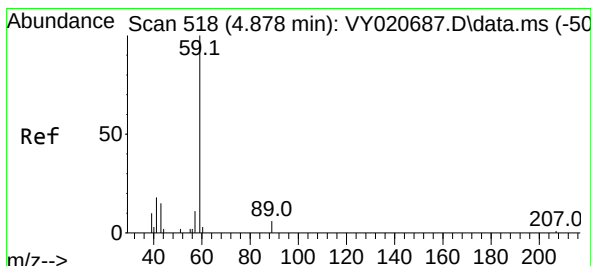
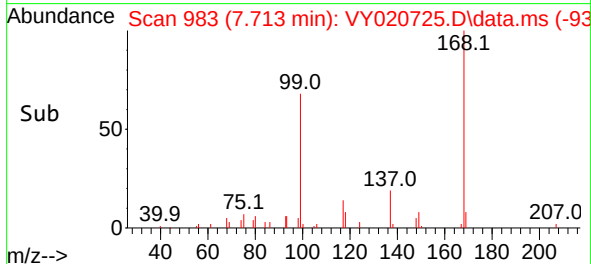
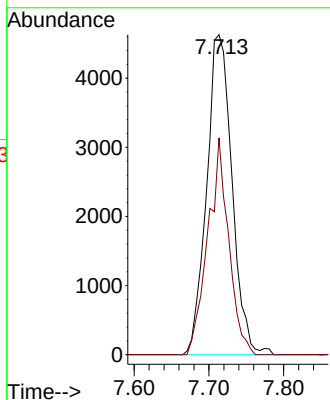
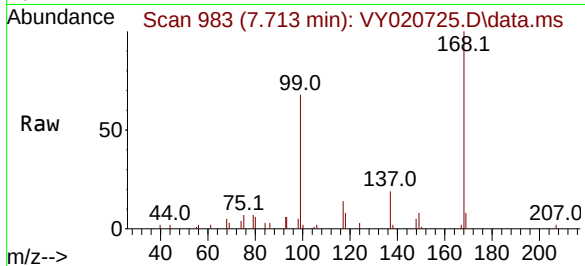
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

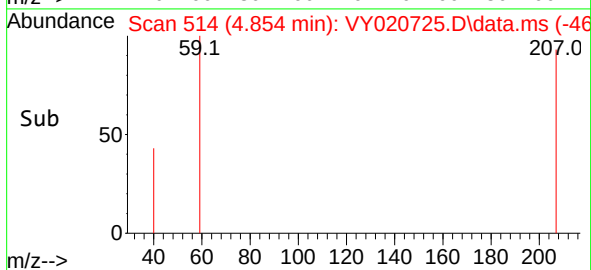
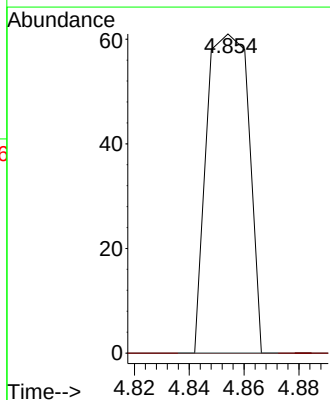
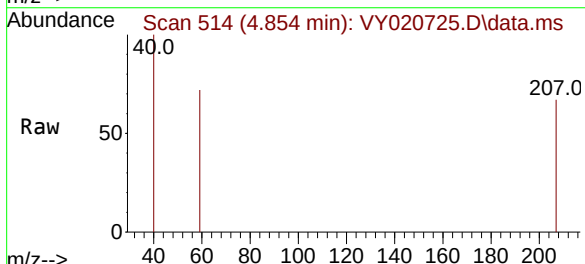
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ClientSampleId :
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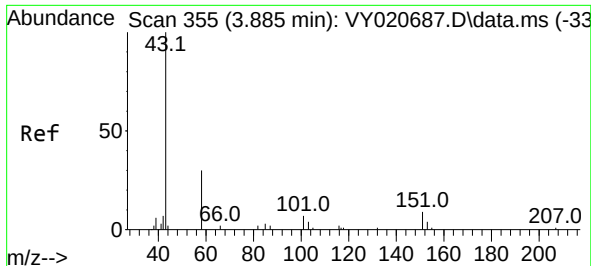
Tgt Ion:168 Resp: 10968
Ion Ratio Lower Upper
168 100
99 67.8 43.8 65.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#

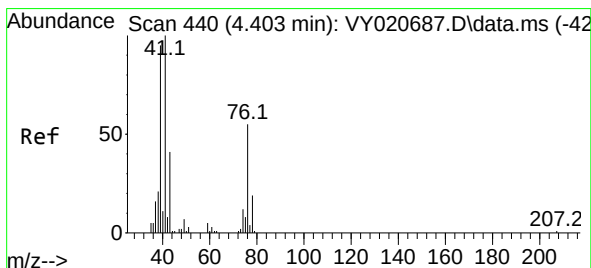
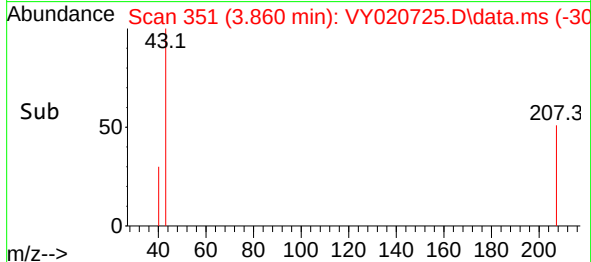
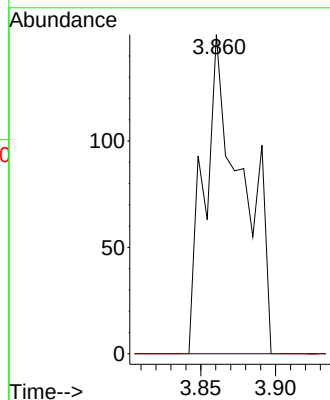
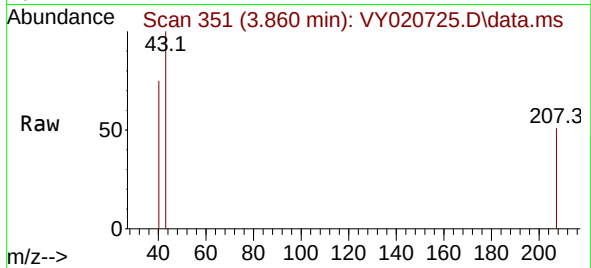




#16
Acetone
Concen: 23.252 ug/l
RT: 3.860 min Scan# 311
Delta R.T. -0.025 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

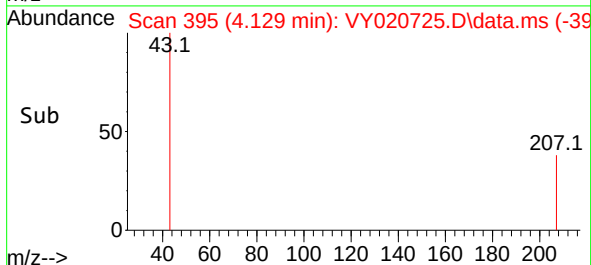
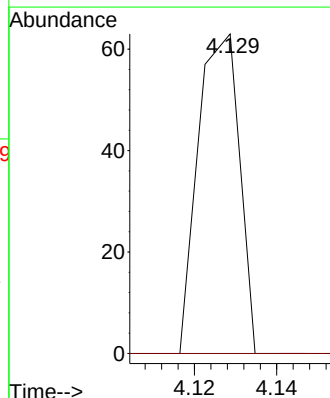
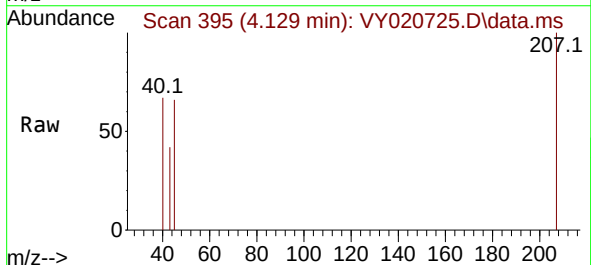
Instrument :
MSVOA_Y
ClientSampleId :
RB21198RE

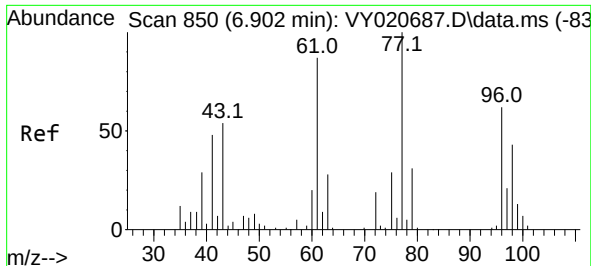
Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#



#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 4.129 min Scan# 395
Delta R.T. -0.274 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#





#26

2,2-Dichloropropane

Concen: 1.296 ug/l

RT: 6.872 min Scan# 84

Delta R.T. -0.030 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

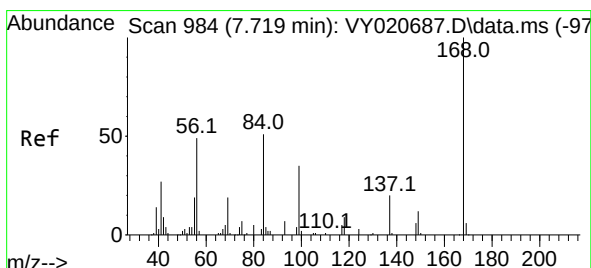
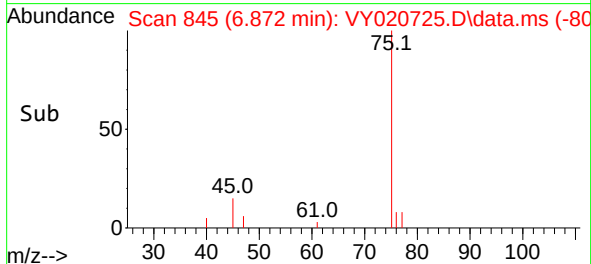
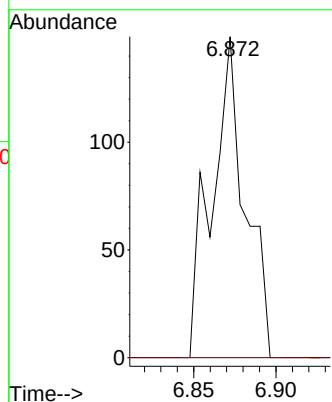
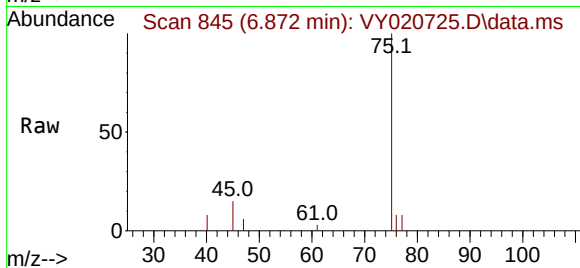
RB21198RE

Tgt Ion: 77 Resp: 212

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.768 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.006 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

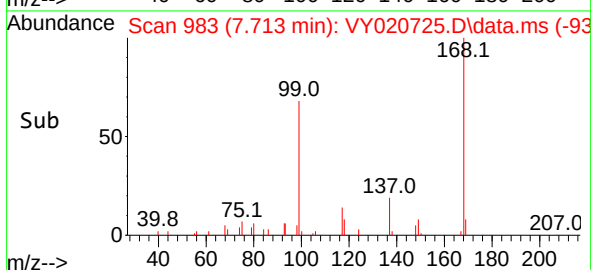
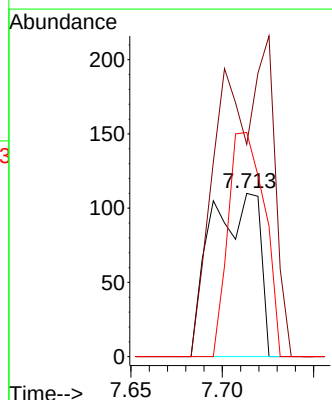
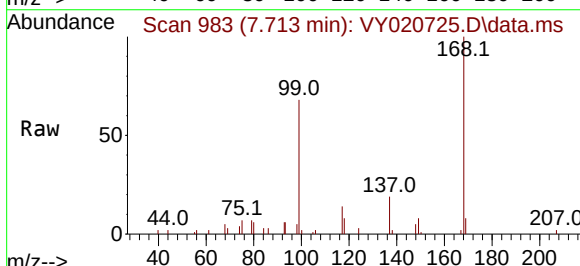
Tgt Ion: 56 Resp: 204

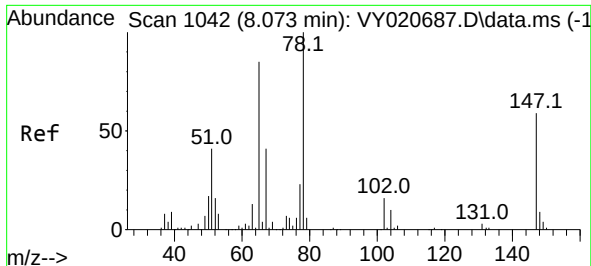
Ion Ratio Lower Upper

56 100

69 130.0 31.3 46.9#

84 137.3 83.9 125.9#





#33

1,2-Dichloroethane-d4

Concen: 38.725 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

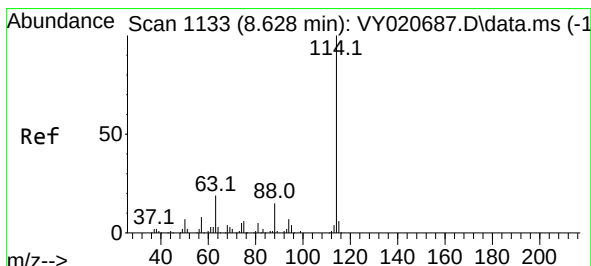
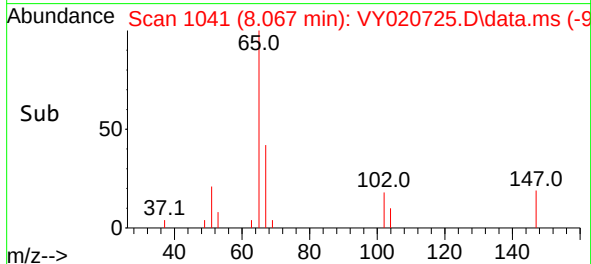
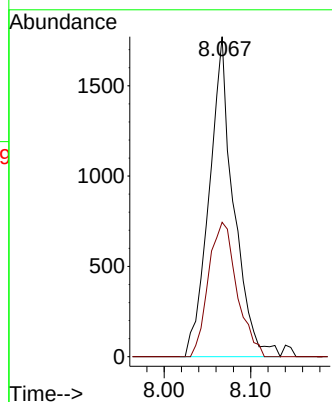
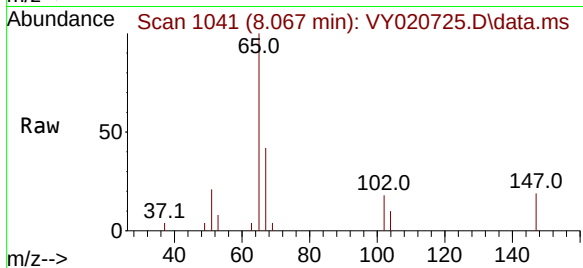
RB21198RE

Tgt Ion: 65 Resp: 3479

Ion Ratio Lower Upper

65 100

67 48.8 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

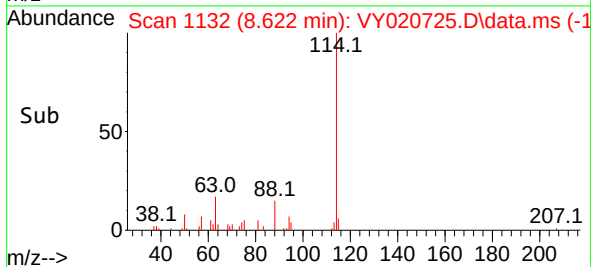
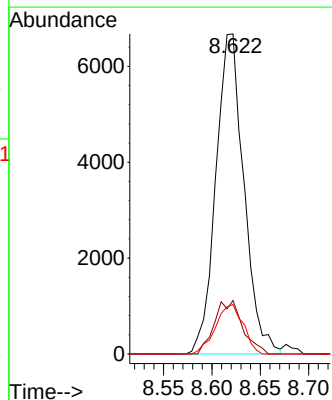
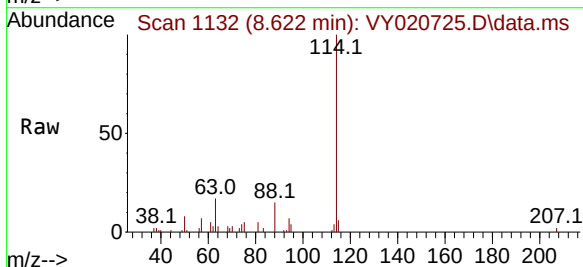
Tgt Ion: 114 Resp: 13469

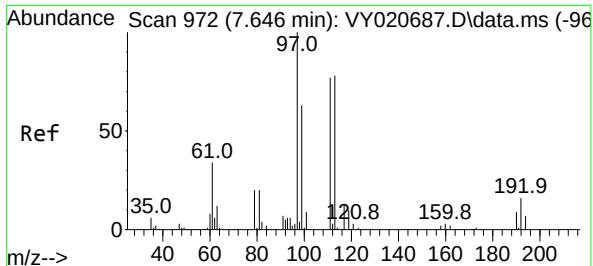
Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.056 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

RB21198RE

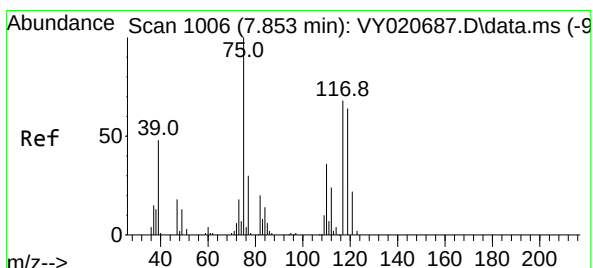
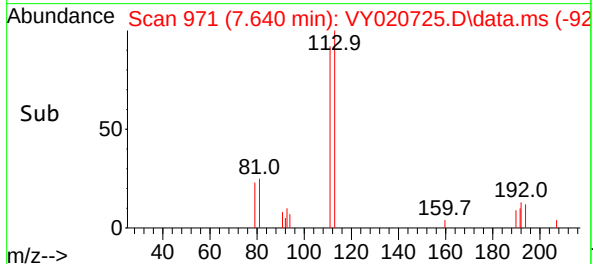
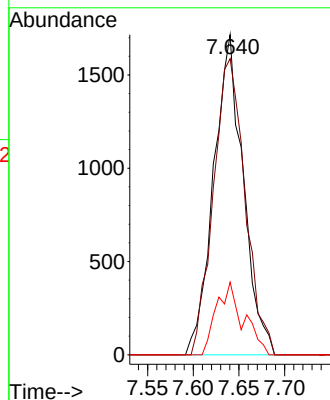
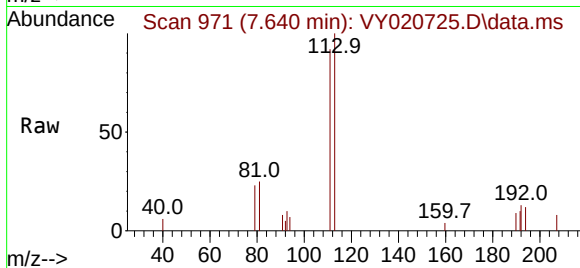
Tgt Ion:113 Resp: 3862

Ion Ratio Lower Upper

113 100

111 98.9 79.8 119.8

192 20.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 7.408 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.146 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

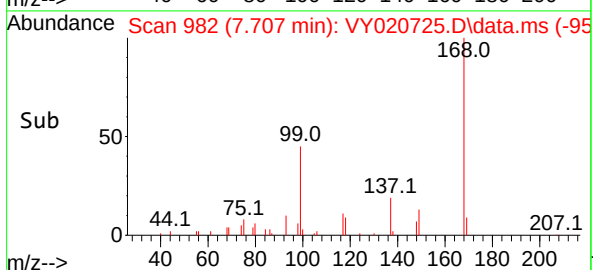
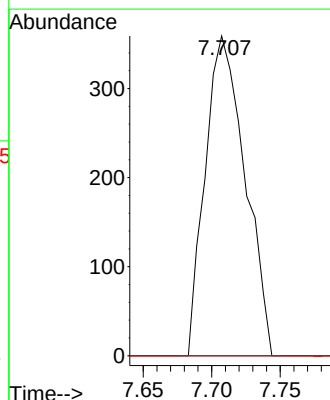
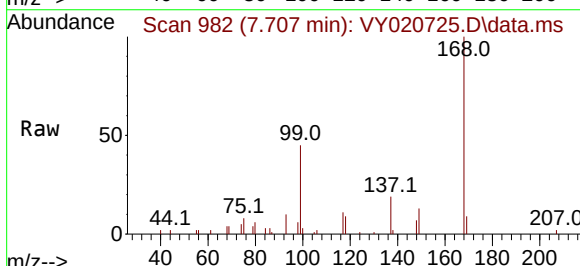
Tgt Ion: 75 Resp: 726

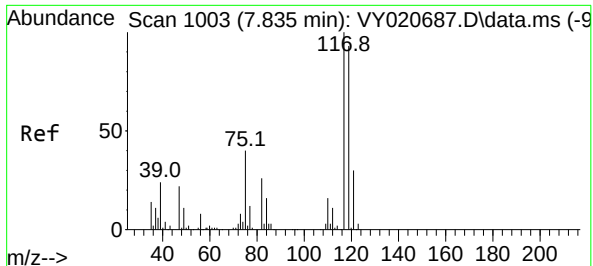
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 25.1 37.7#

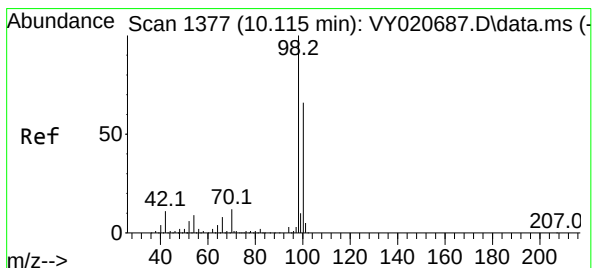
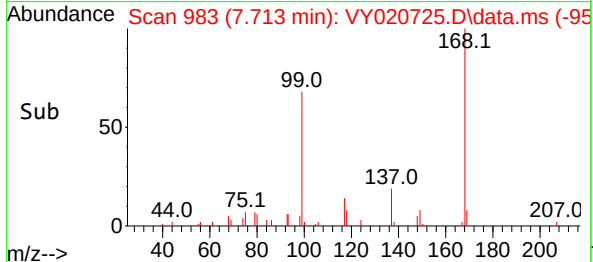
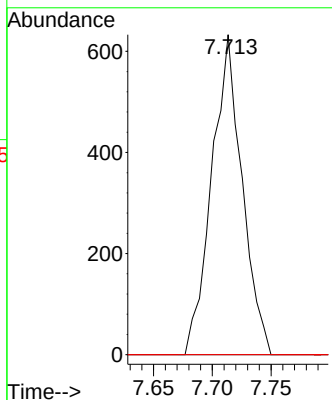
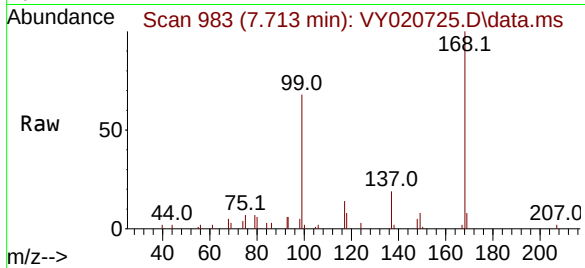




#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

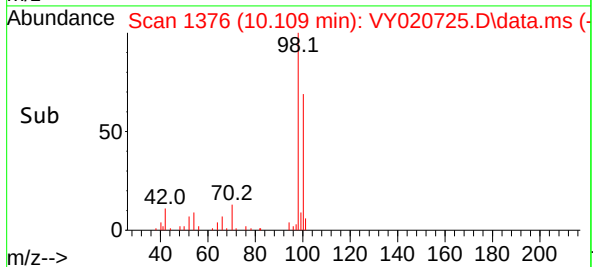
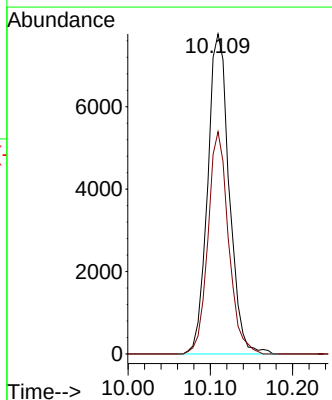
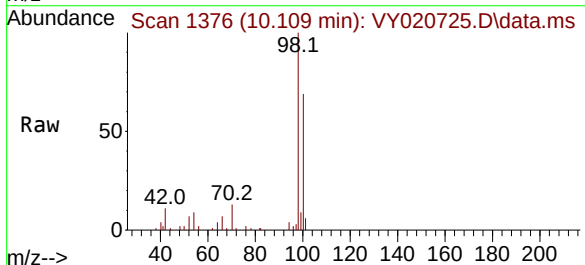
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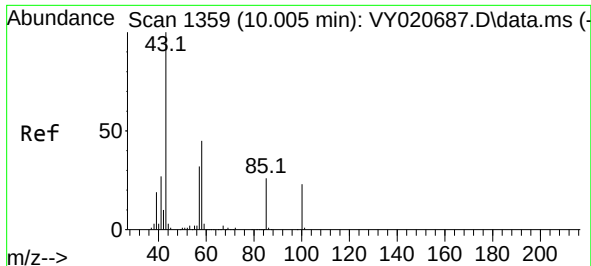
Tgt Ion:117 Resp: 1140
Ion Ratio Lower Upper
117 100
119 0.0 74.4 111.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.088 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 98 Resp: 14167
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4

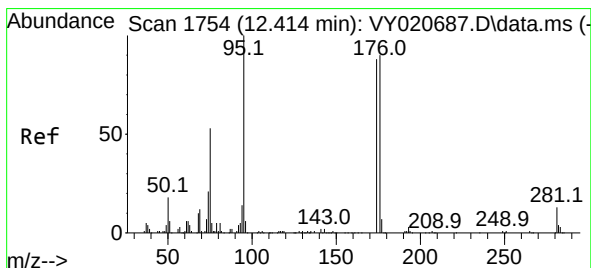
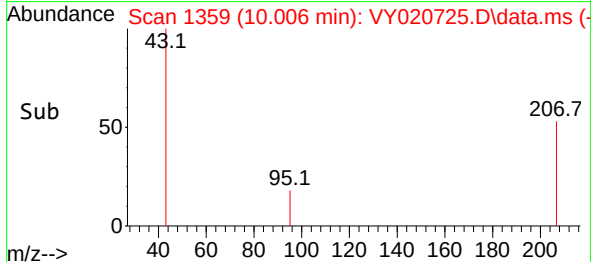
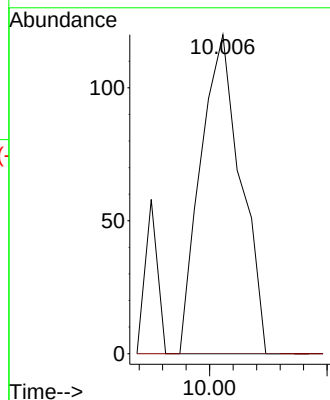
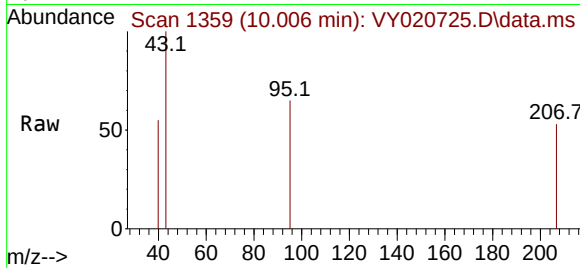




#51
4-Methyl-2-Pentanone
Concen: 4.316 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

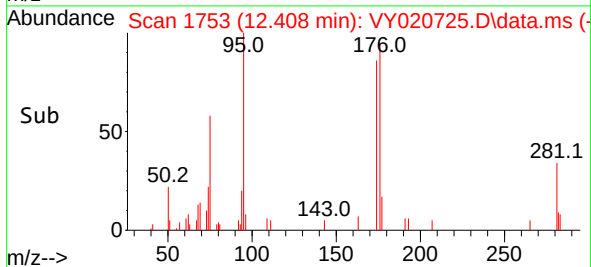
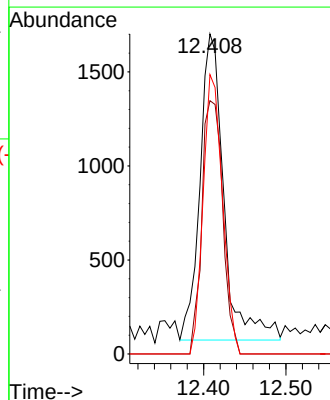
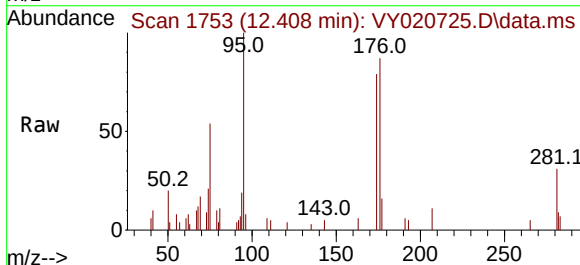
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ClientSampleId :
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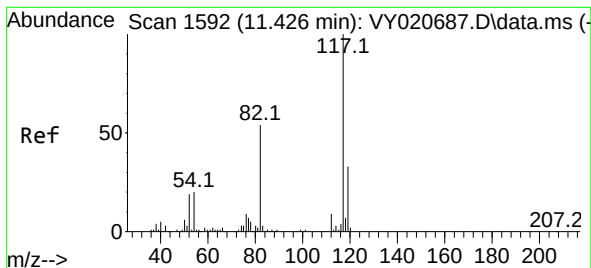
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 33.440 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 95 Resp: 3297
Ion Ratio Lower Upper
95 100
174 72.0 0.0 179.2
176 73.6 0.0 179.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

RB21198RE

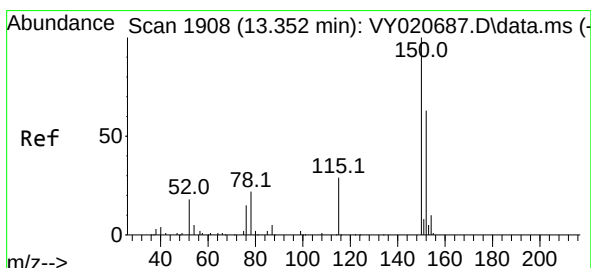
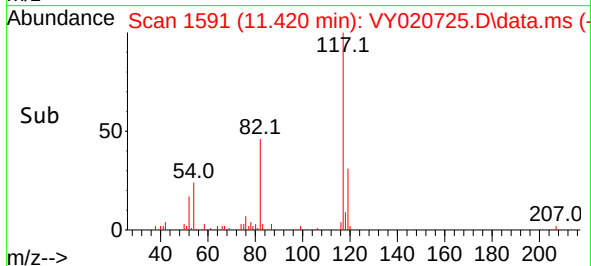
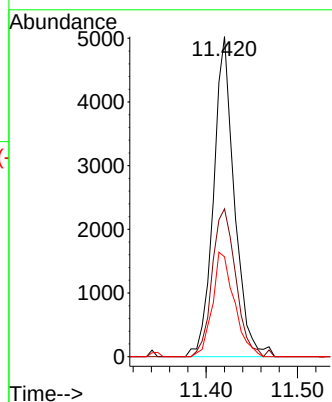
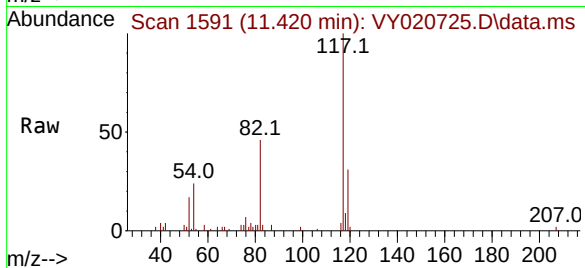
Tgt Ion:117 Resp: 7983

Ion Ratio Lower Upper

117 100

82 46.2 43.4 65.2

119 31.2 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.005 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

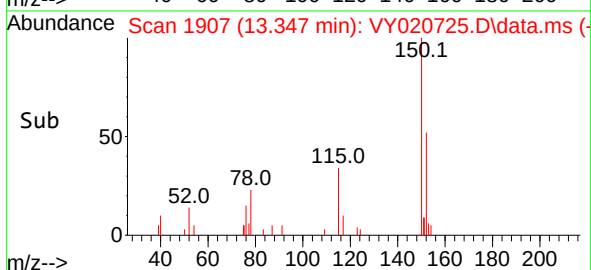
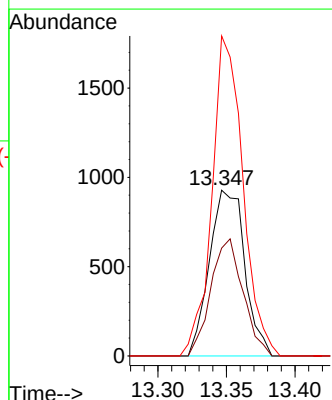
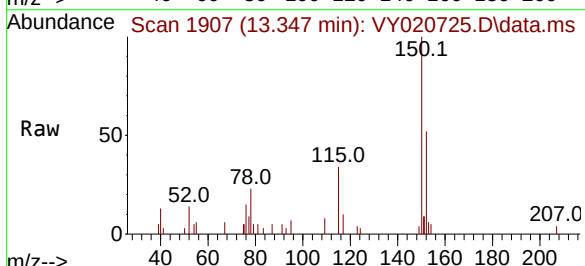
Tgt Ion:152 Resp: 1663

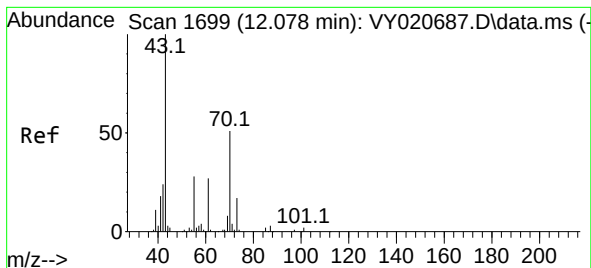
Ion Ratio Lower Upper

152 100

115 64.4 30.3 90.9

150 169.2 0.0 349.0





#74

N-amy1 acetate

Concen: 5.497 ug/l

RT: 12.036 min Scan# 1

Delta R.T. -0.042 min

Lab File: VY020725.D

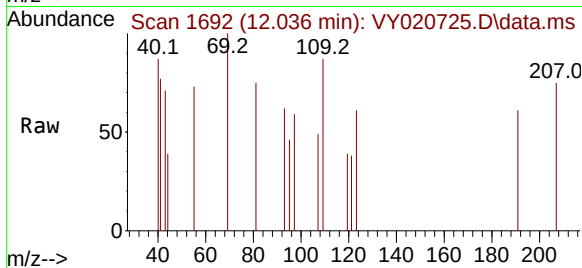
Acq: 26 Dec 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

RB21198RE



Tgt Ion: 43 Resp: 90

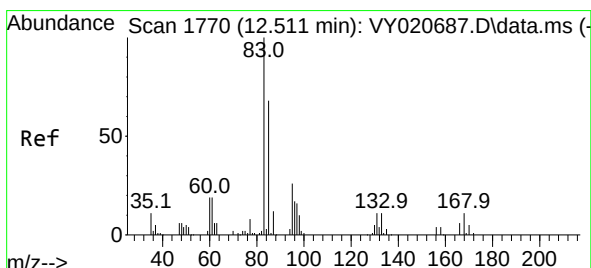
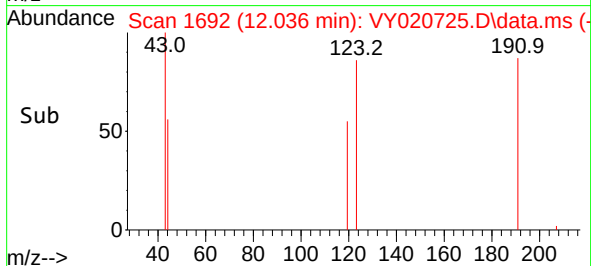
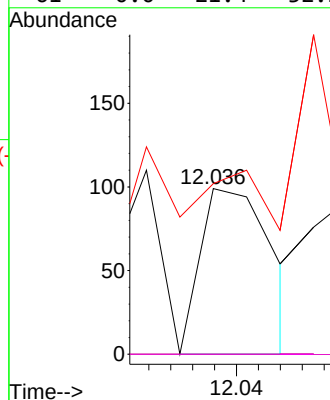
Ion Ratio Lower Upper

43 100

70 0.0 39.7 59.5#

55 47.8 21.5 32.3#

61 0.0 21.4 32.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 6.567 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.019 min

Lab File: VY020725.D

Acq: 26 Dec 2024 18:25

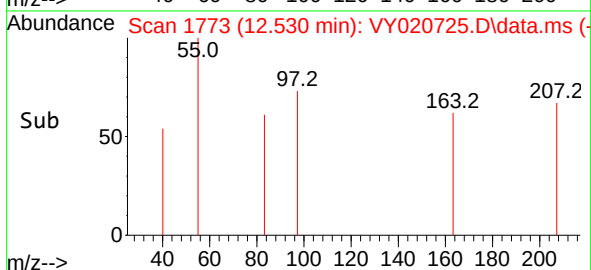
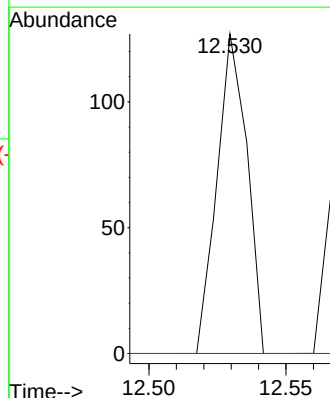
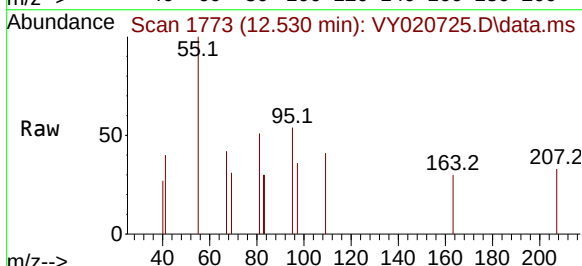
Tgt Ion: 83 Resp: 97

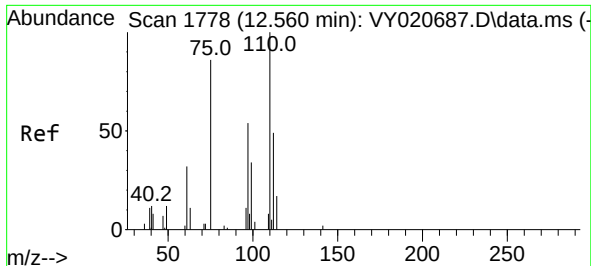
Ion Ratio Lower Upper

83 100

131 0.0 6.9 20.7#

85 0.0 32.5 97.4#

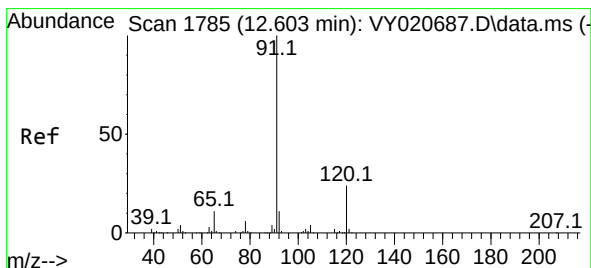
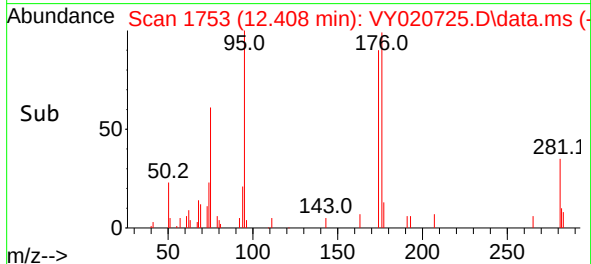
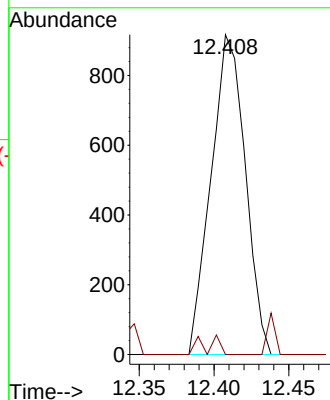
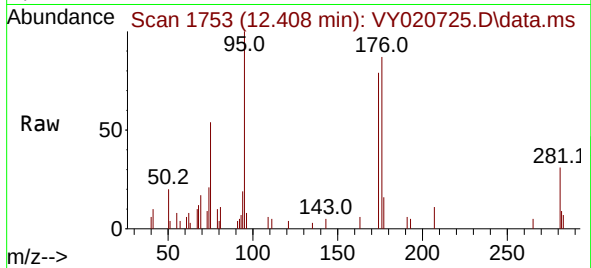




#76
1,2,3-Trichloropropane
Concen: 137.847 ug/l
RT: 12.408 min Scan# 1778
Delta R.T. -0.152 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

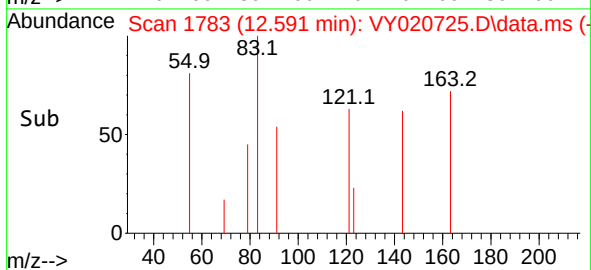
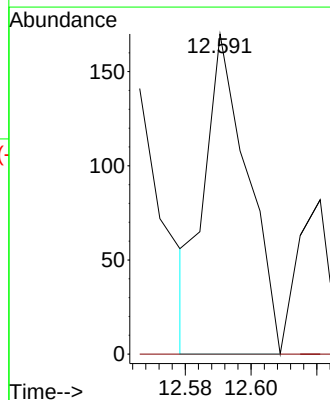
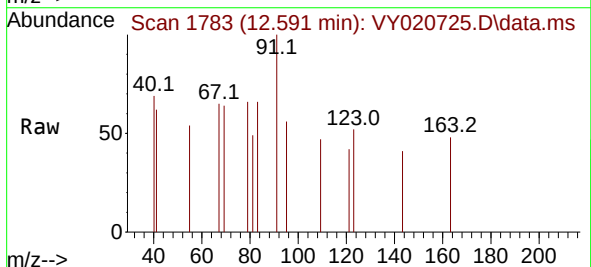
Instrument :
MSVOA_Y
ClientSampleId :
RB21198RE

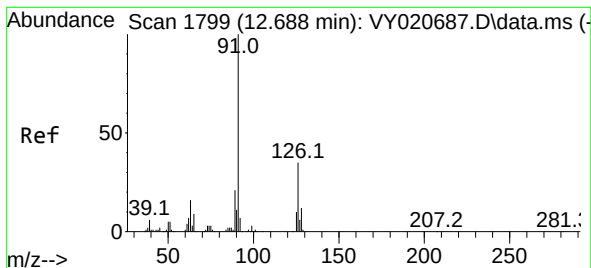
Tgt Ion: 75 Resp: 1458
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#78
n-propylbenzene
Concen: 1.185 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.012 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 91 Resp: 153
Ion Ratio Lower Upper
91 100
120 0.0 12.3 36.8#

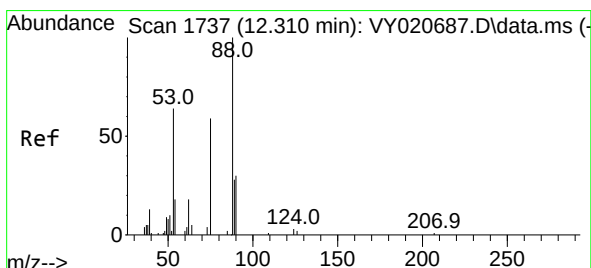
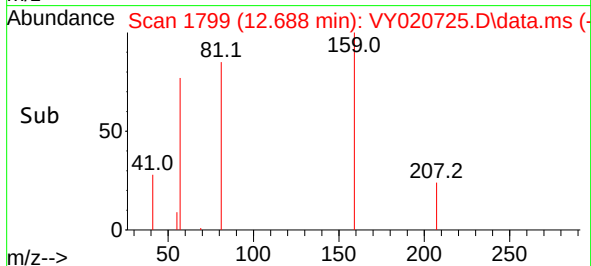
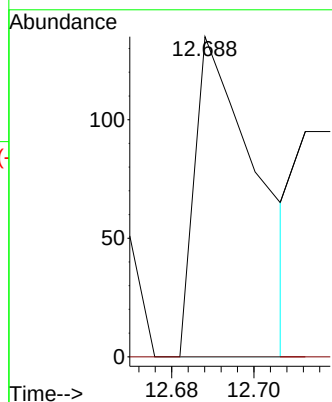
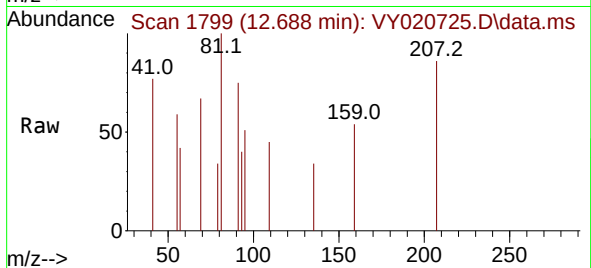




#79
2-Chlorotoluene
Concen: 1.915 ug/l
RT: 12.688 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

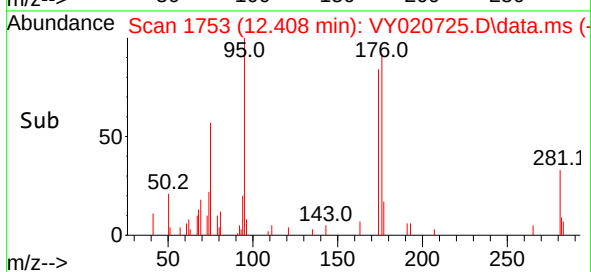
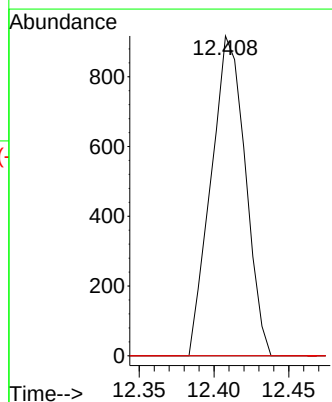
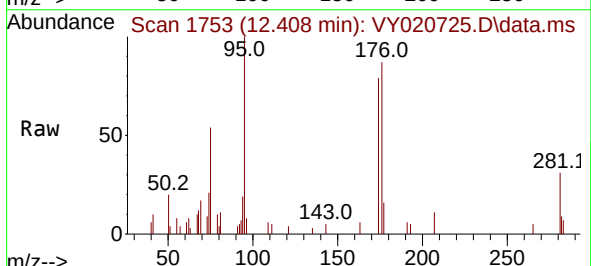
Instrument :
MSVOA_Y
ClientSampleId :
RB21198RE

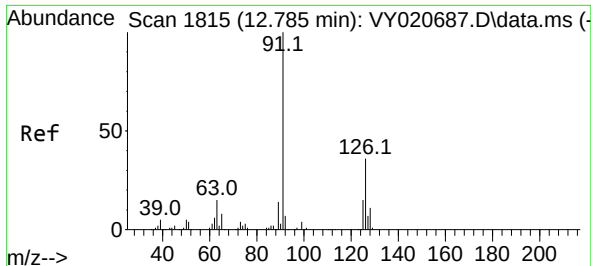
Tgt Ion: 91 Resp: 141
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 272.470 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 75 Resp: 1458
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.0 40.6 61.0#

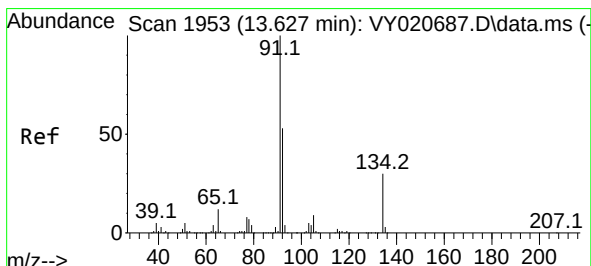
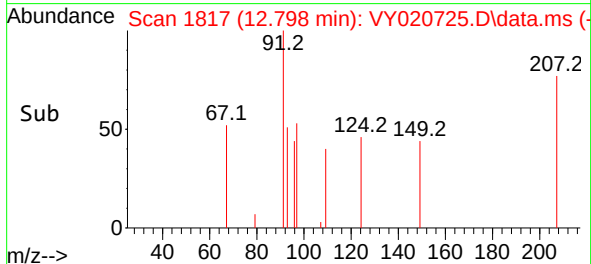
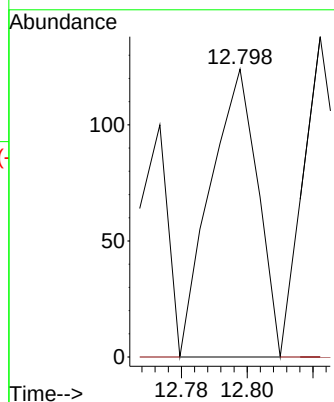
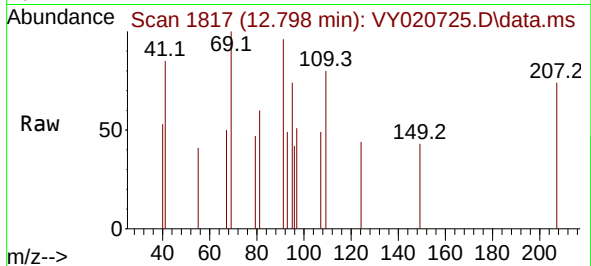




#82
4-Chlorotoluene
Concen: 1.630 ug/l
RT: 12.798 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Instrument :
MSVOA_Y
ClientSampleId :
RB21198RE

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#89
n-Butylbenzene
Concen: 1.391 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VY020725.D
Acq: 26 Dec 2024 18:25

Tgt Ion: 91 Resp: 125
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.2#
134 29.6 14.8 44.4

