

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022089.D
 Acq On : 30 Apr 2025 17:52
 Operator : SY/MD
 Sample : Q1901-04
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB02

Quant Time: May 01 01:39:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

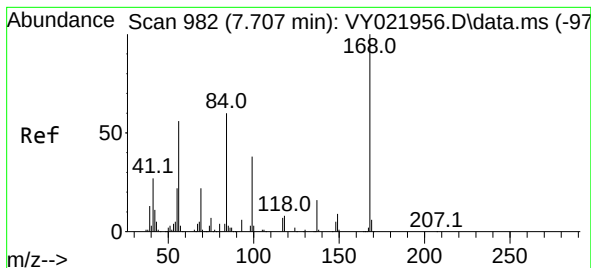
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	381091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	712829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	629182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	188495	53.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.628	113	240173	50.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.000%			
50) Toluene-d8	10.103	98	847633	47.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.401	95	235165	39.347	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.700%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	247	1.278	ug/l #	70
16) Acetone	3.866	43	62048	123.893	ug/l	98
17) Carbon Disulfide	4.104	76	59112	4.894	ug/l	99
18) Methyl Acetate	4.385	43	2398	1.458	ug/l #	72
20) Methylene Chloride	4.610	84	8466	1.902	ug/l	96
25) 2-Butanone	6.890	43	18807	23.439	ug/l	94
31) Cyclohexane	7.707	56	6696	1.151	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	27484	4.345	ug/l #	49
38) Carbon Tetrachloride	7.707	117	37051	4.902	ug/l #	16
49) 1,4-Dioxane	9.237	88	48	1.645	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	2983	1.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	115132	57.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	115132	138.632	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

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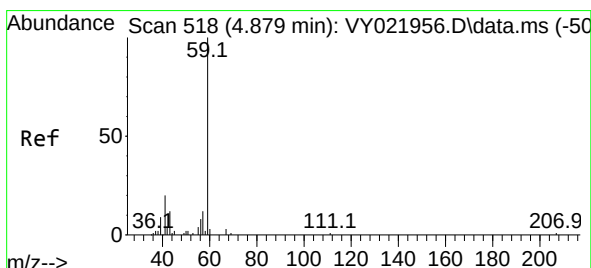
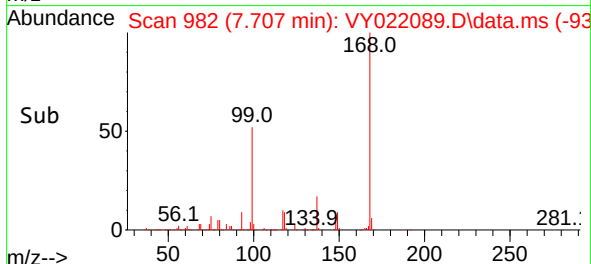
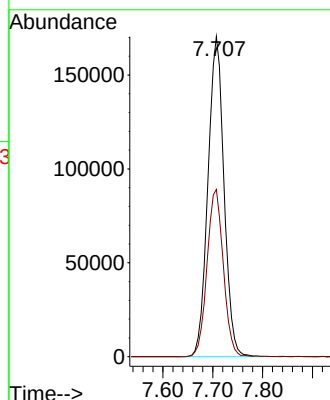
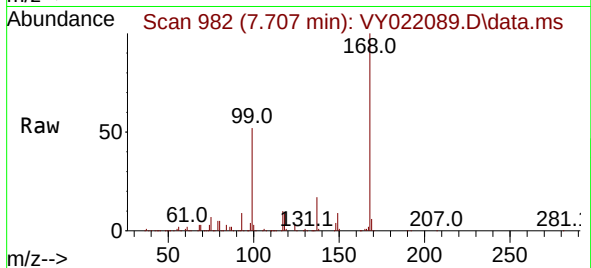
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Tgt Ion:168 Resp: 381091

Ion Ratio Lower Upper

168 100

99 52.3 43.1 64.7



#11

Tert butyl alcohol

Concen: 1.278 ug/l

RT: 4.848 min Scan# 513

Delta R.T. -0.031 min

Lab File: VY022089.D

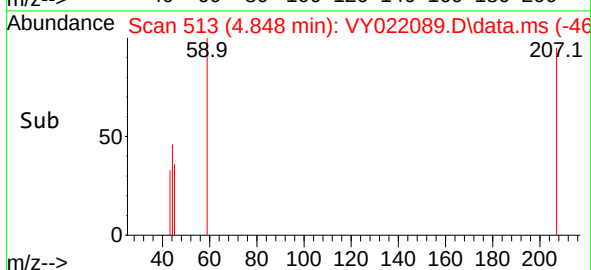
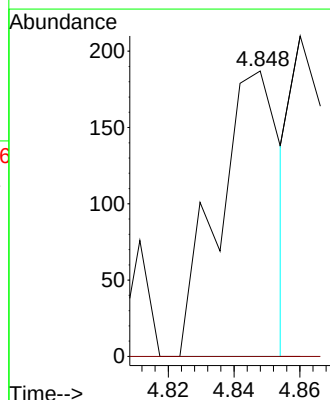
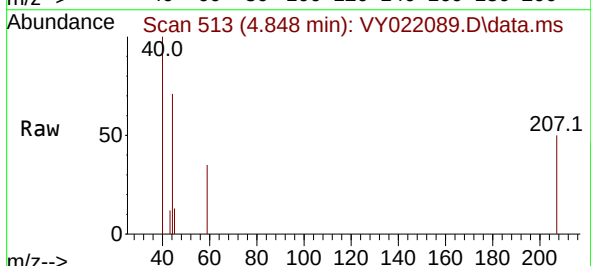
Acq: 30 Apr 2025 17:52

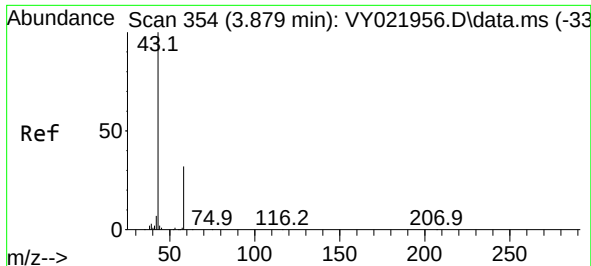
Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#

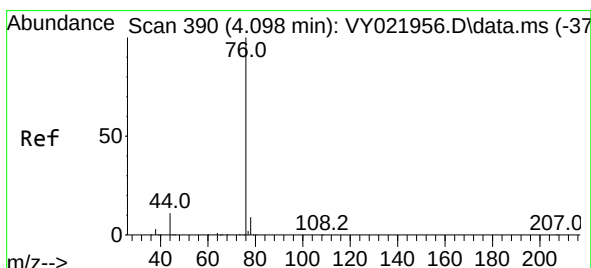
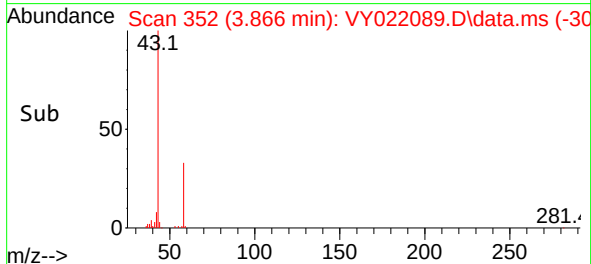
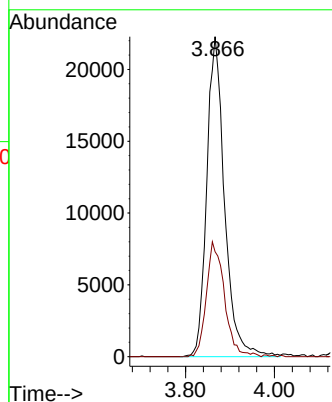
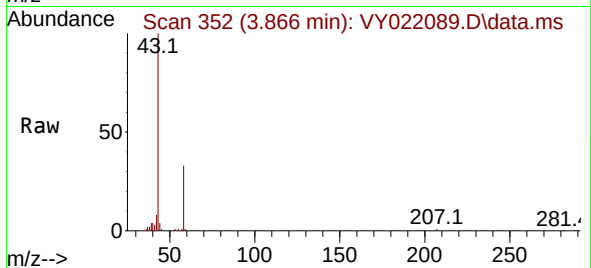




#16
Acetone
Concen: 123.893 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

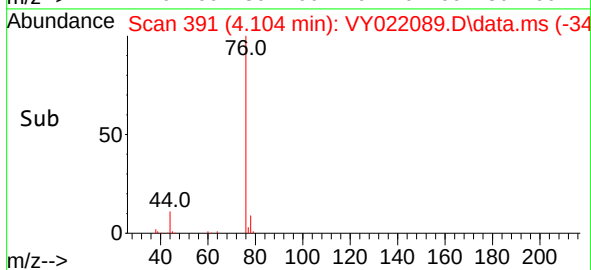
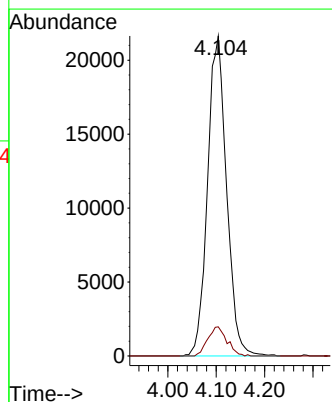
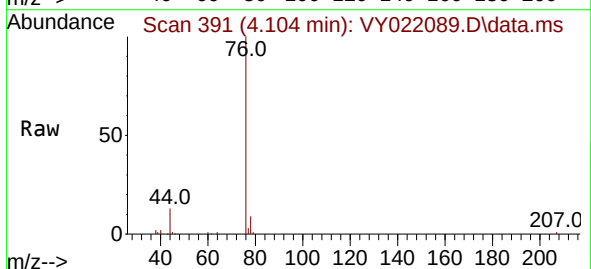
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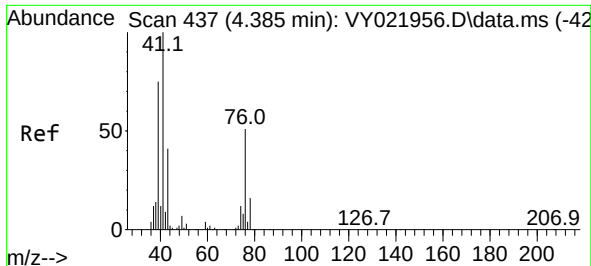
Tgt Ion: 43 Resp: 62048
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.4



#17
Carbon Disulfide
Concen: 4.894 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 76 Resp: 59112
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

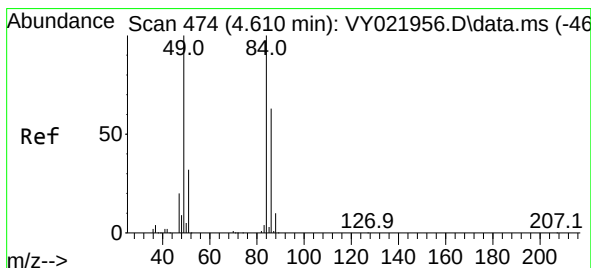
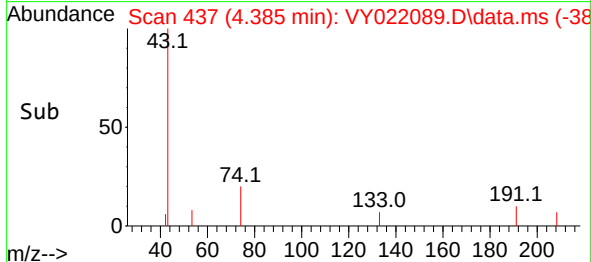
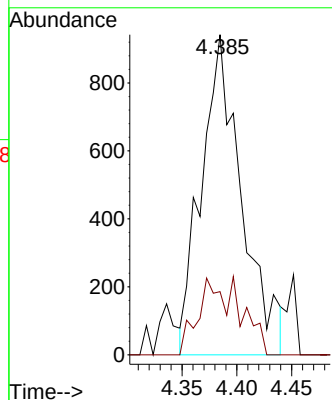
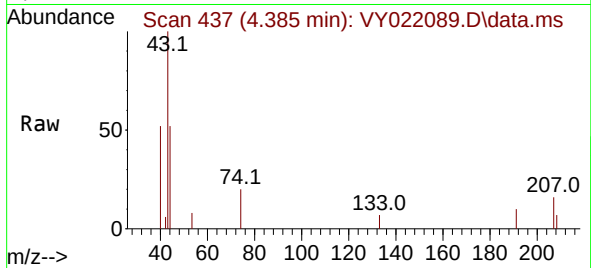




#18
Methyl Acetate
Concen: 1.458 ug/l
RT: 4.385 min Scan# 418
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

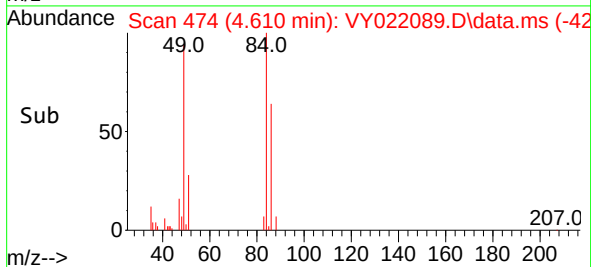
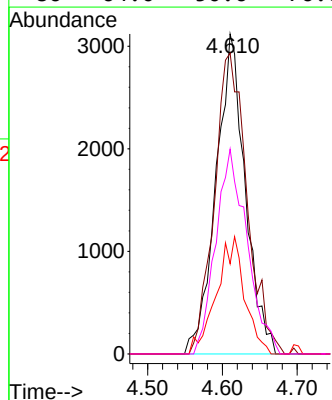
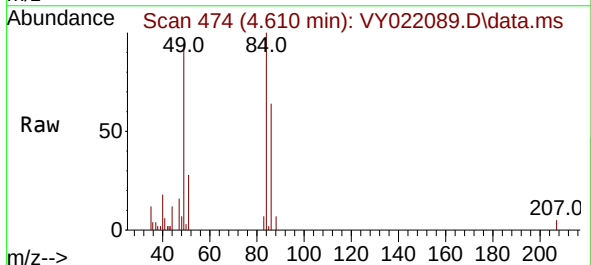
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ClientSampleId :
B-167-SB02

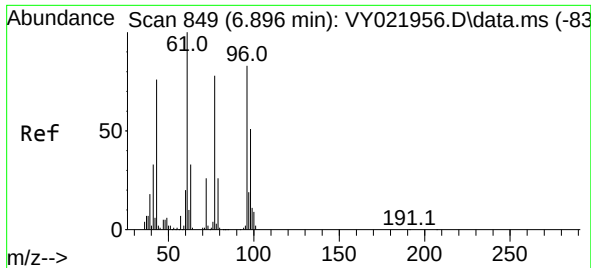
Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
74 15.2 24.2 36.4#



#20
Methylene Chloride
Concen: 1.902 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 84 Resp: 8466
Ion Ratio Lower Upper
84 100
49 94.0 79.9 119.9
51 28.2 25.4 38.0
86 64.0 50.6 76.0

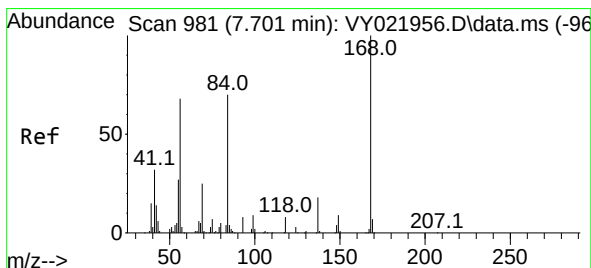
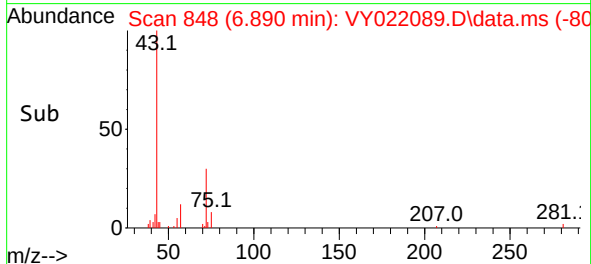
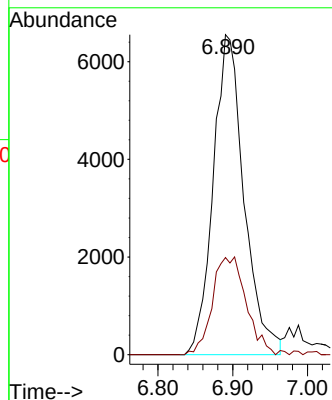
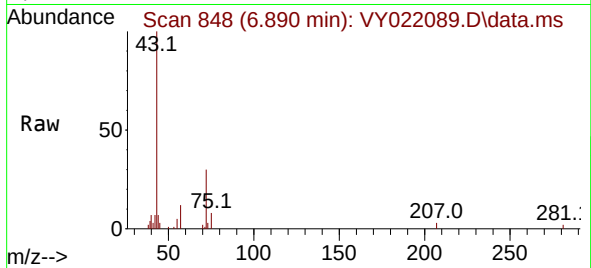




#25
2-Butanone
Concen: 23.439 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

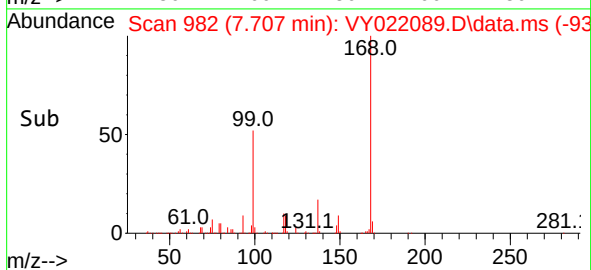
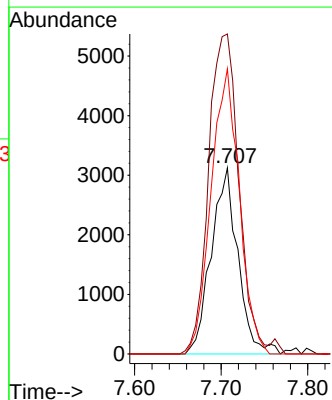
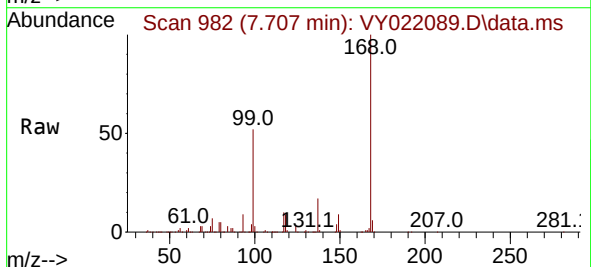
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

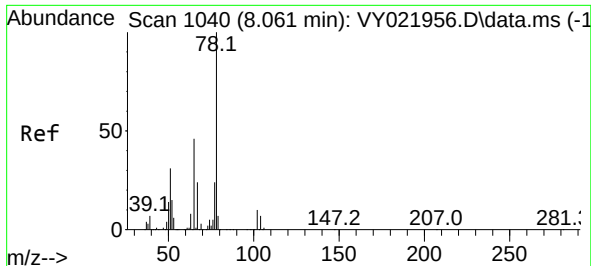
Tgt Ion: 43 Resp: 18807
Ion Ratio Lower Upper
43 100
72 30.3 27.0 40.4



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 56 Resp: 6696
Ion Ratio Lower Upper
56 100
69 172.0 29.4 44.2#
84 153.3 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.549 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

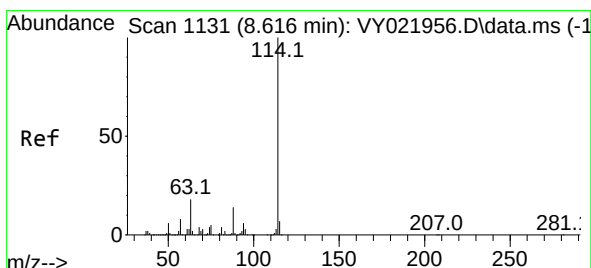
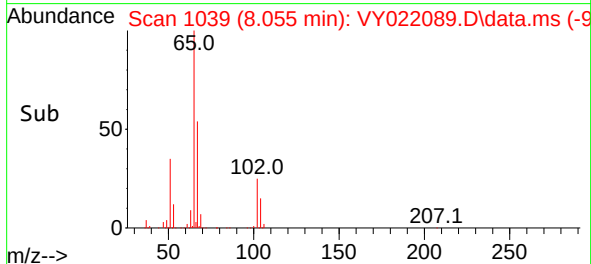
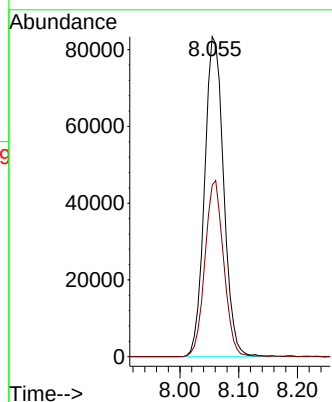
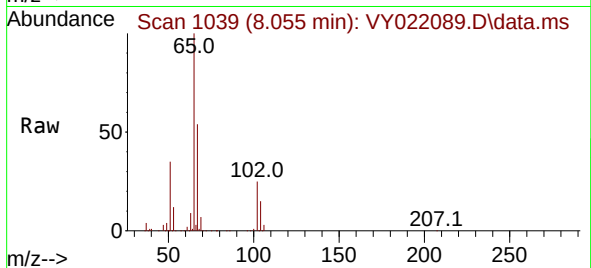
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Tgt Ion: 65 Resp: 188495

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

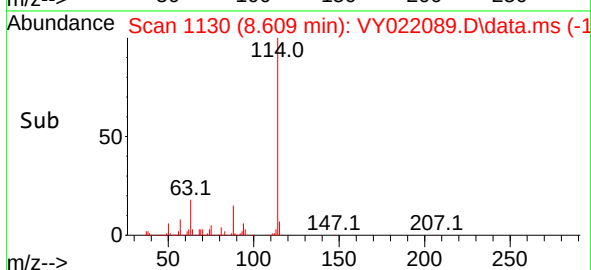
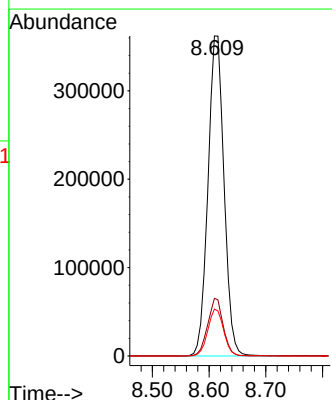
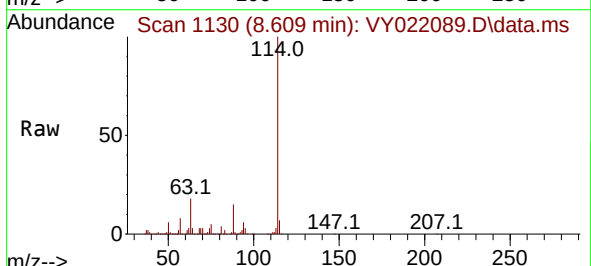
Tgt Ion: 114 Resp: 712829

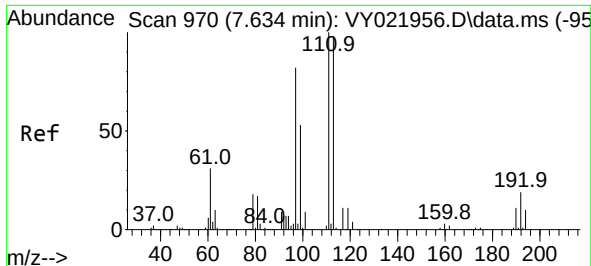
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.4

88 14.7 0.0 28.2

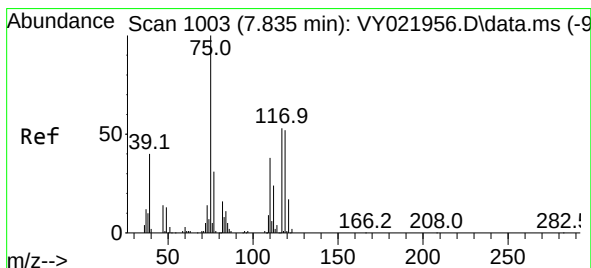
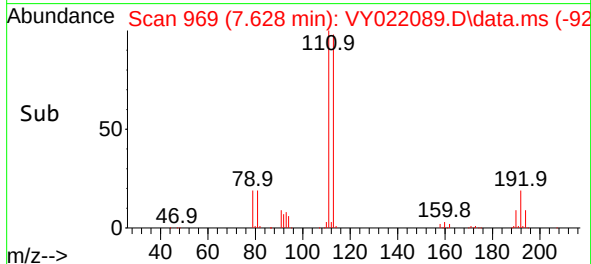
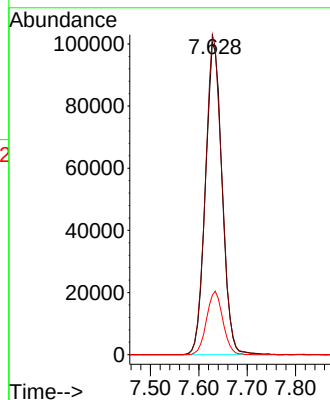
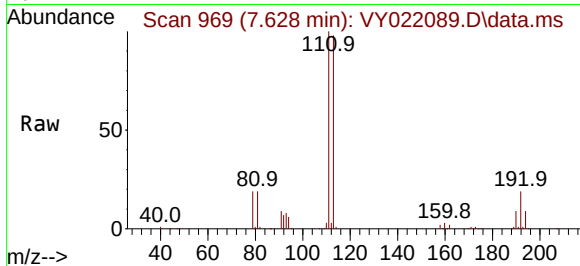




#35
Dibromofluoromethane
Concen: 50.999 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

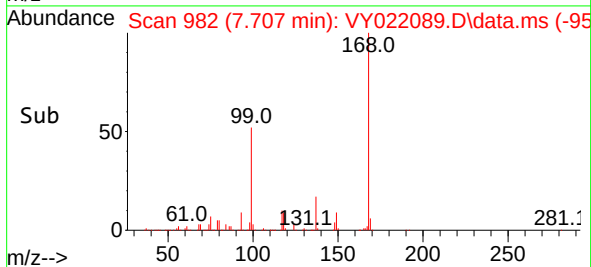
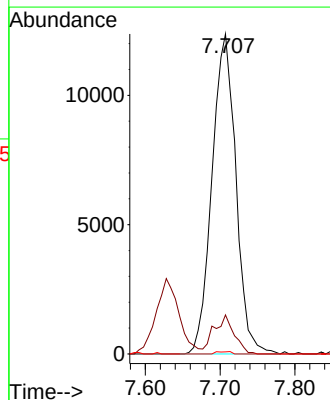
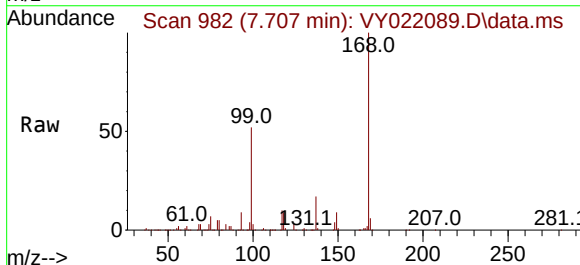
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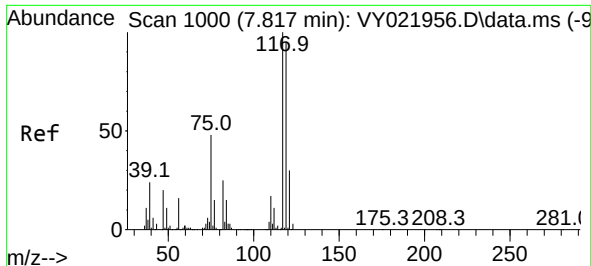
Tgt Ion:113 Resp: 240173
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 19.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.345 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 75 Resp: 27484
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.4 25.5 38.3#

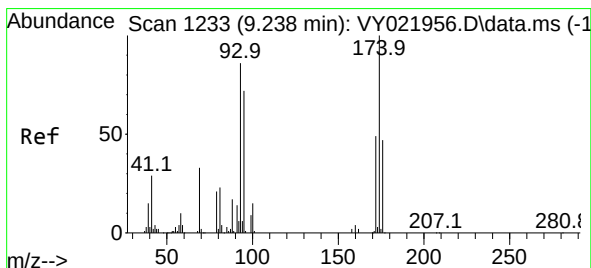
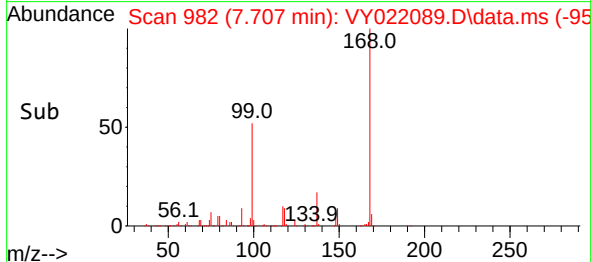
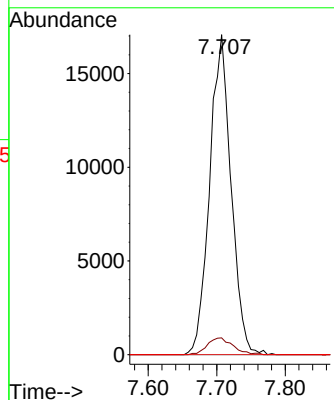
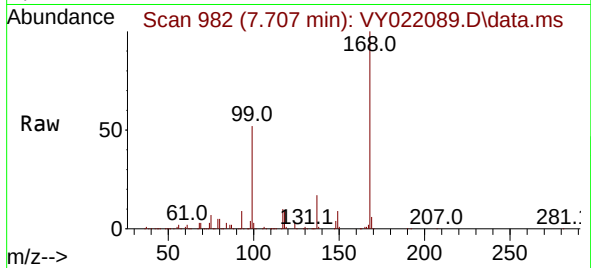




#38
Carbon Tetrachloride
Concen: 4.902 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

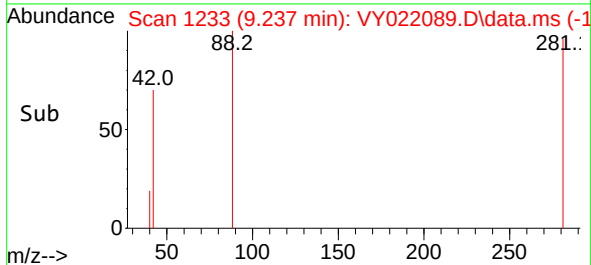
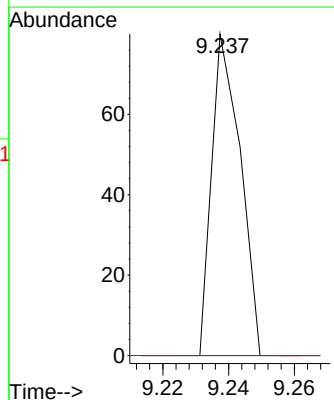
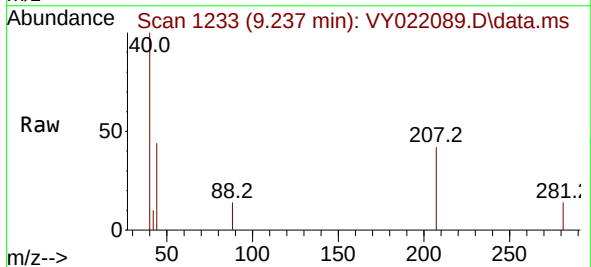
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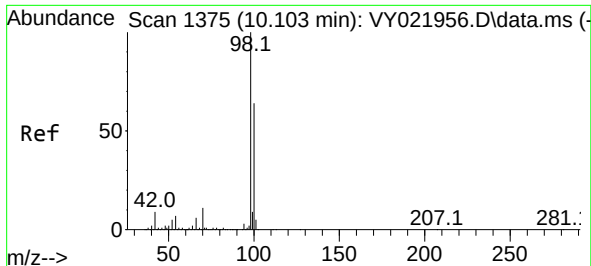
Tgt Ion:117 Resp: 37051
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.645 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

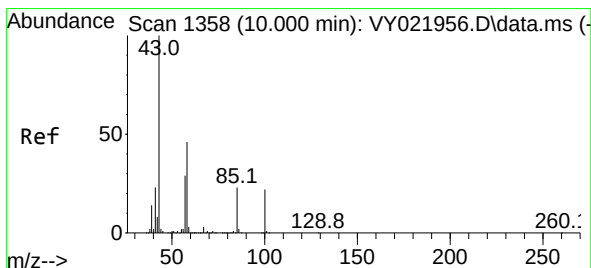
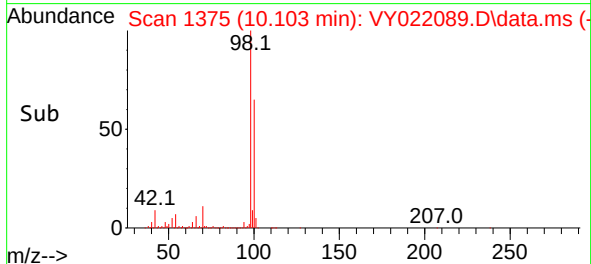
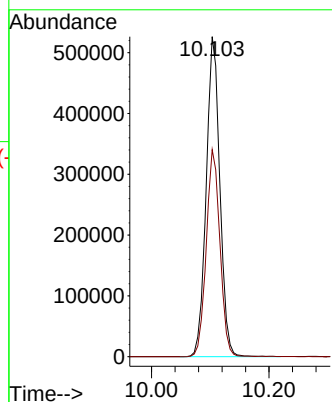
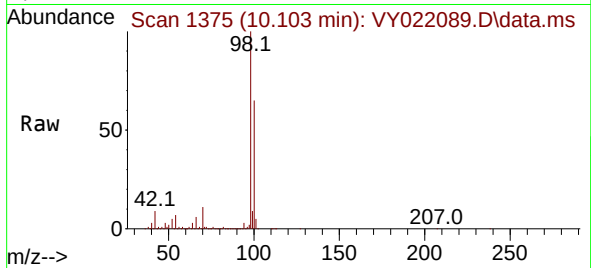




#50
Toluene-d8
Concen: 47.743 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

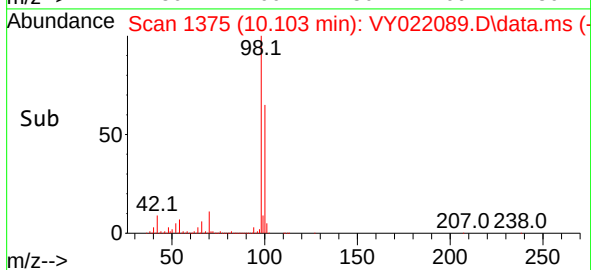
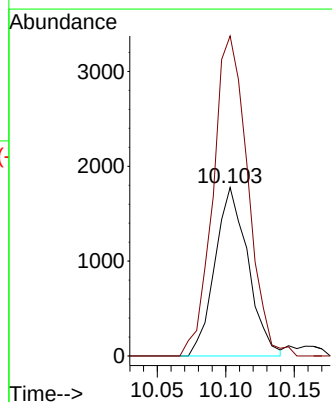
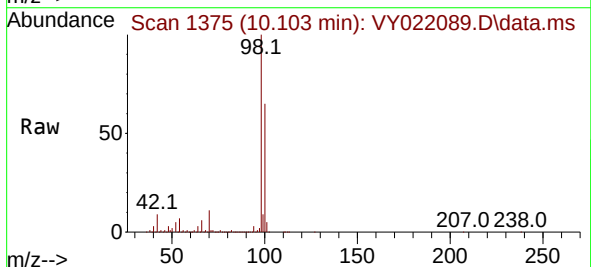
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

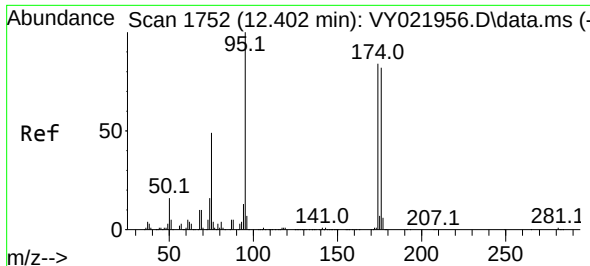
Tgt Ion: 98 Resp: 847633
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.304 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
58 199.8 36.6 55.0#

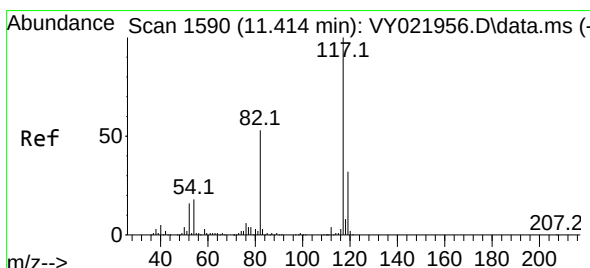
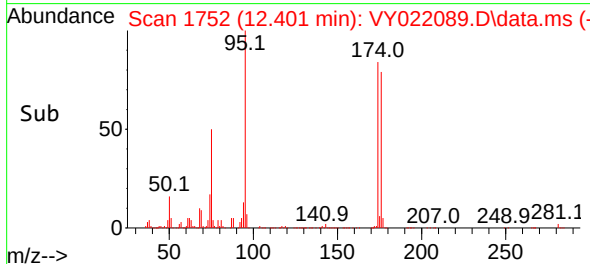
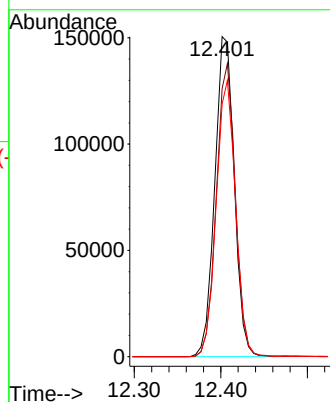
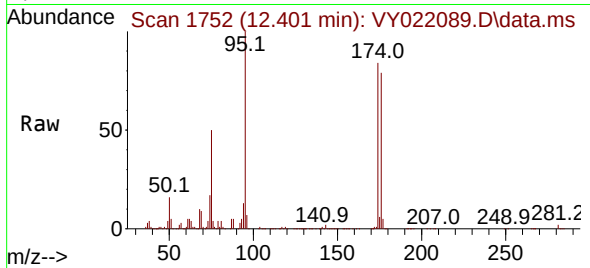




#62
4-Bromofluorobenzene
Concen: 39.347 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

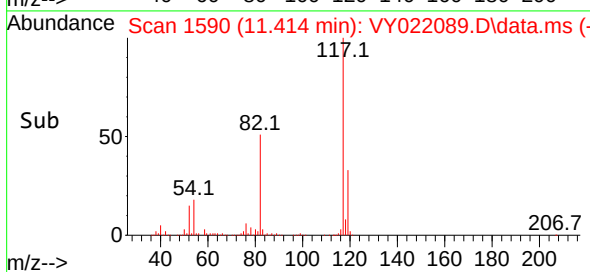
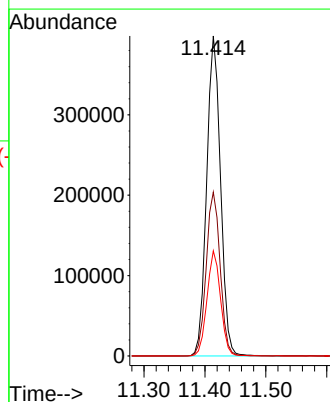
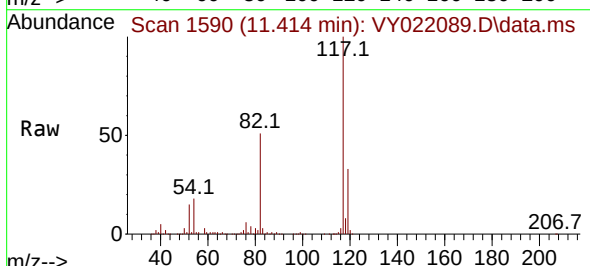
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

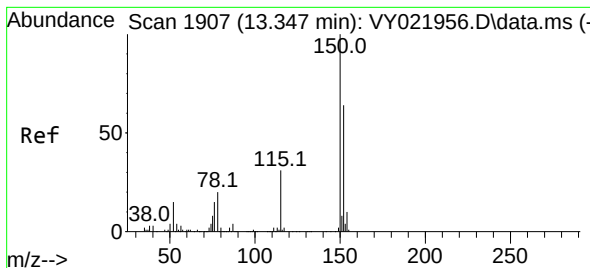
Tgt Ion: 95 Resp: 235165
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.0
176 85.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 117 Resp: 629182
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 32.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

B-167-SB02

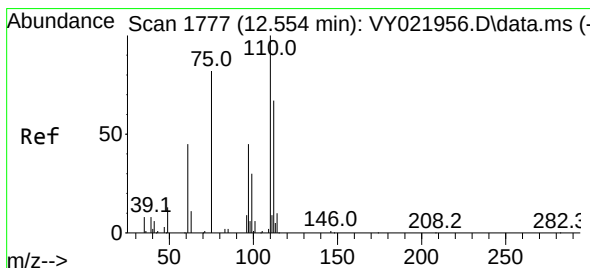
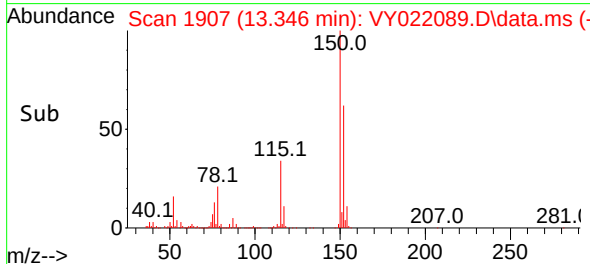
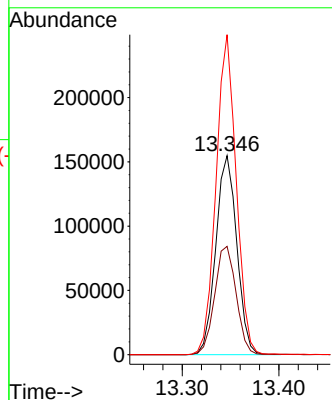
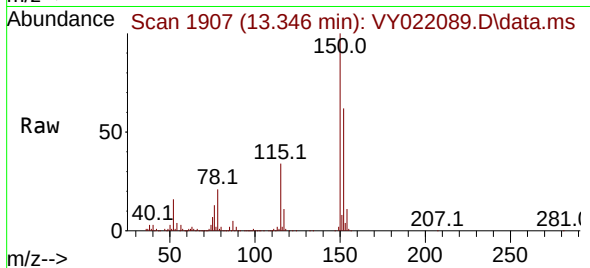
Tgt Ion:152 Resp: 233488

Ion Ratio Lower Upper

152 100

115 55.7 28.0 84.0

150 154.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 57.568 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022089.D

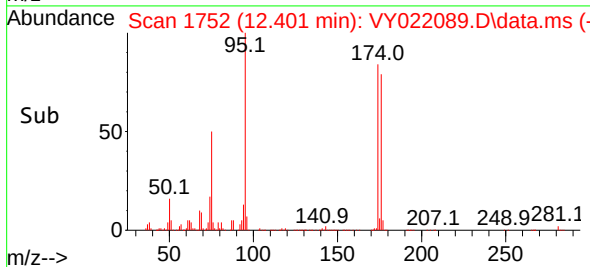
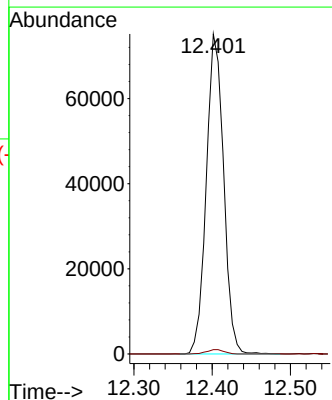
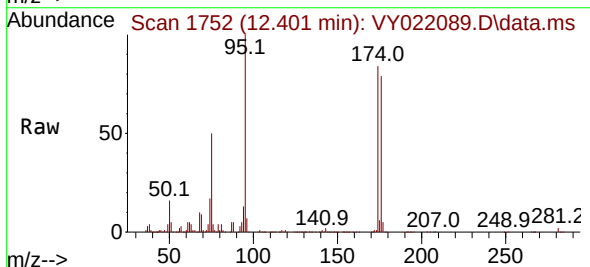
Acq: 30 Apr 2025 17:52

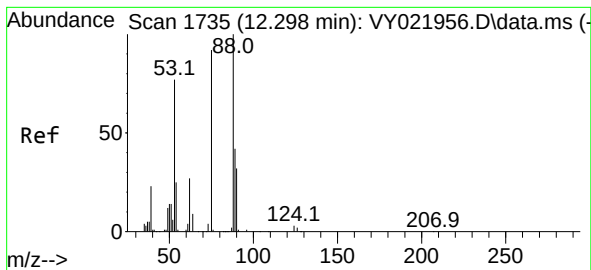
Tgt Ion: 75 Resp: 115132

Ion Ratio Lower Upper

75 100

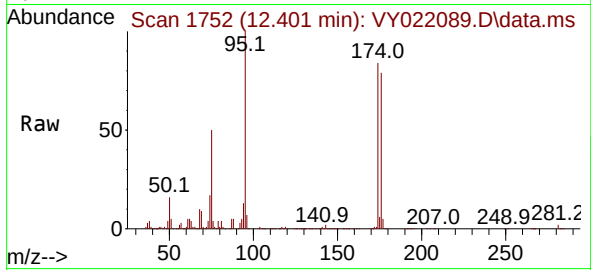
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 138.632 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02



Tgt Ion: 75 Resp: 115132
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 37.2 55.8#

