

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022162.D
 Acq On : 05 May 2025 16:18
 Operator : SY/MD
 Sample : Q1956-01
 Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-3-4

Quant Time: May 06 05:22:41 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)

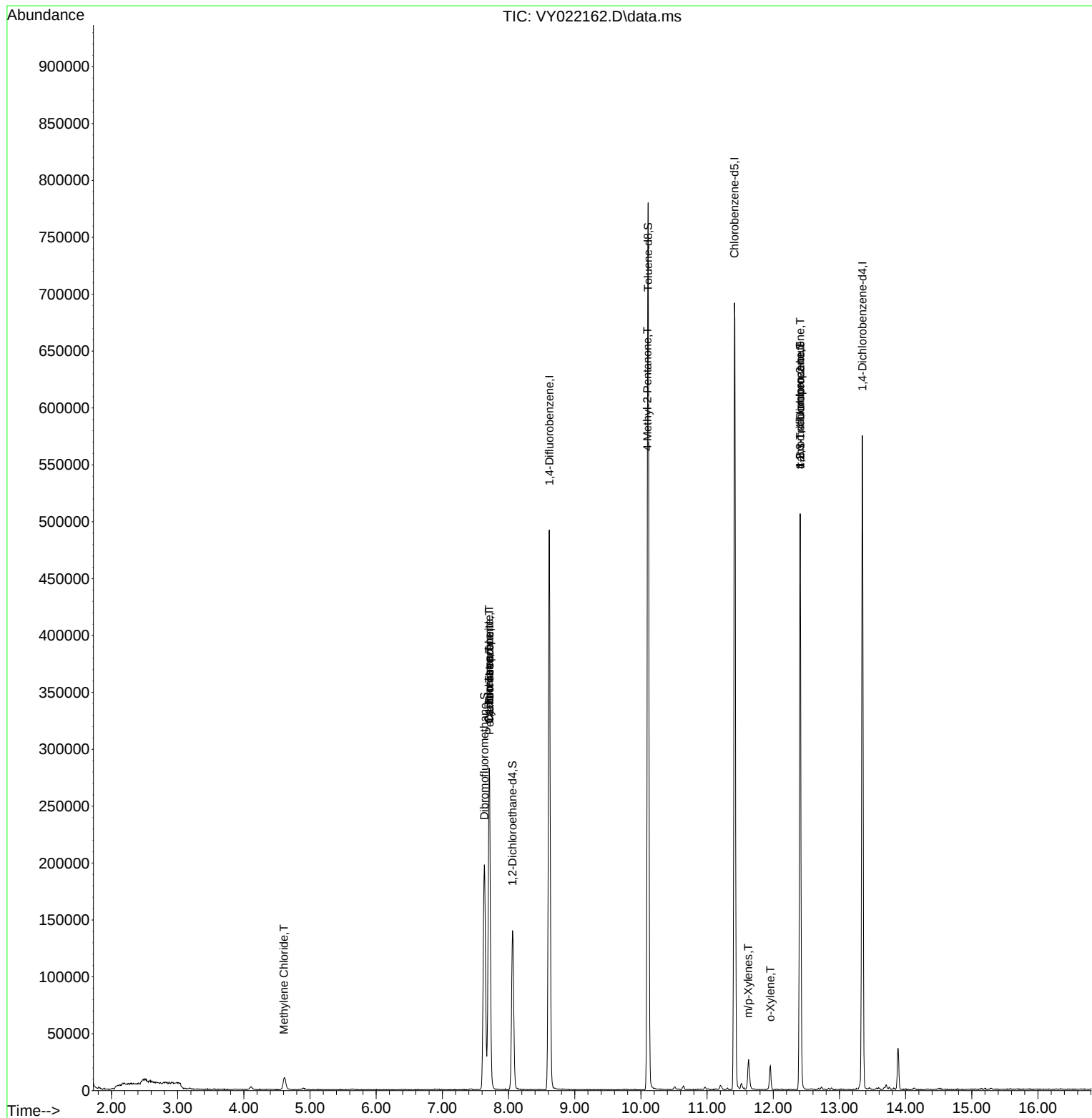
Internal Standards						
1) Pentafluorobenzene	7.713	168	219011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	424575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112587	55.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.300%	
35) Dibromofluoromethane	7.634	113	147167	52.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.940%	
50) Toluene-d8	10.109	98	523177	49.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	12.408	95	146528	41.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	593	Below Cal	#	86
20) Methylene Chloride	4.604	84	8070	3.155	ug/l #	94
31) Cyclohexane	7.707	56	4475	1.338	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	16565	4.396	ug/l #	49
38) Carbon Tetrachloride	7.707	117	21107	4.688	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	2129	1.563	ug/l #	1
68) m/p-Xylenes	11.621	106	7493	1.334	ug/l	99
69) o-Xylene	11.957	106	5554	1.073	ug/l	96
76) 1,2,3-Trichloropropane	12.408	75	74418	59.934	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74418	144.330	ug/l #	16

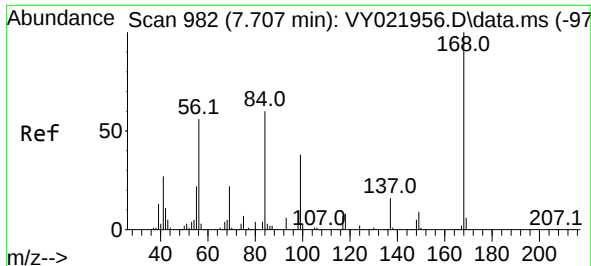
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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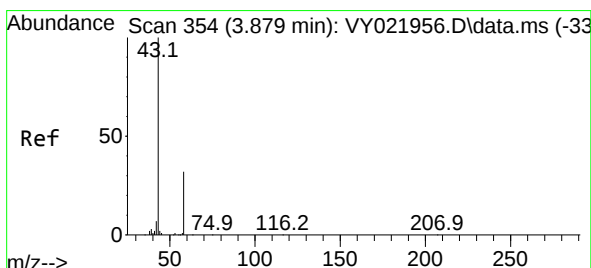
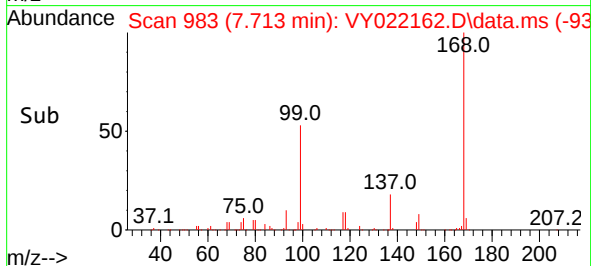
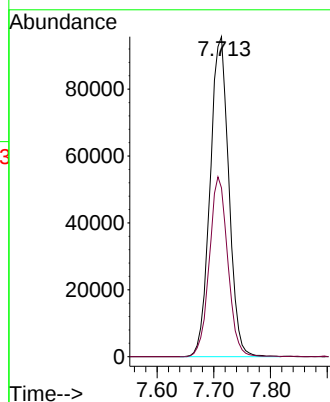
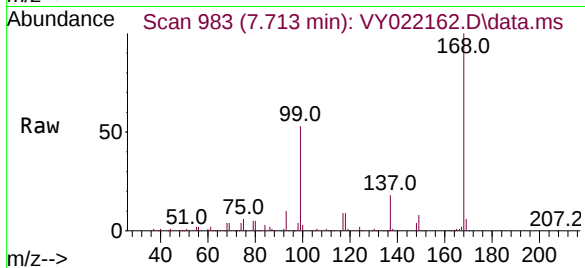




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

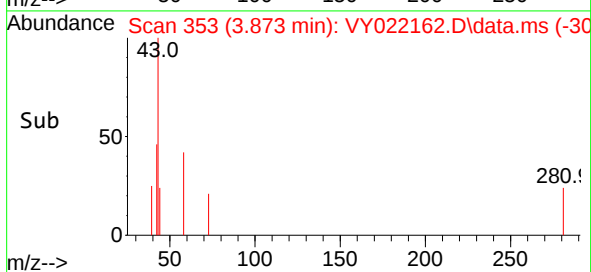
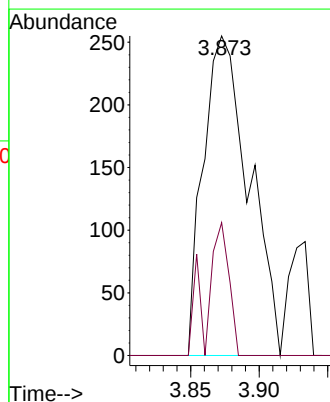
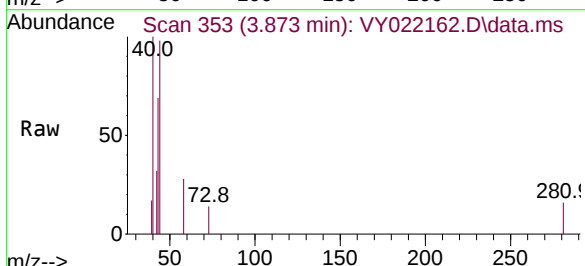
Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

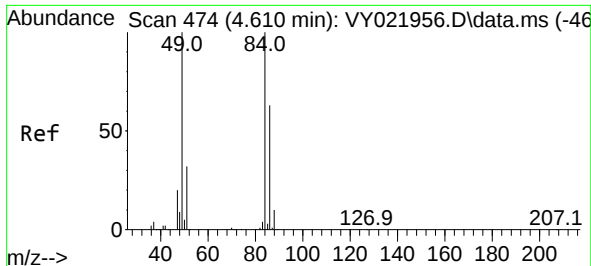
Tgt Ion:168 Resp: 219011
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
58 41.6 27.0 40.4#

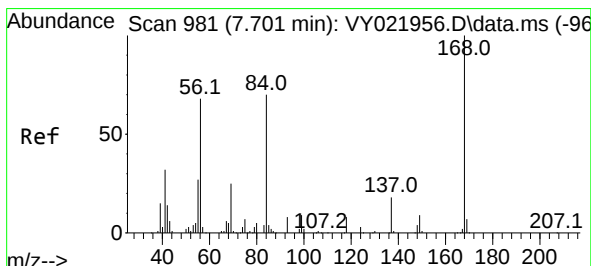
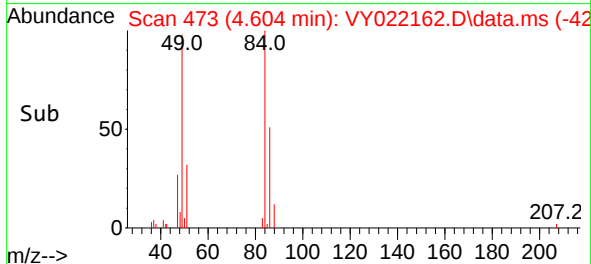
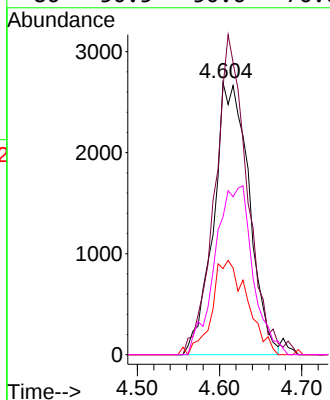
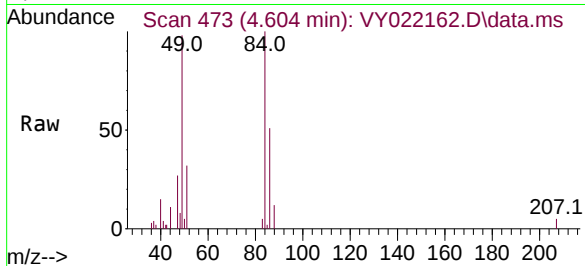




#20
Methylene Chloride
Concen: 3.155 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

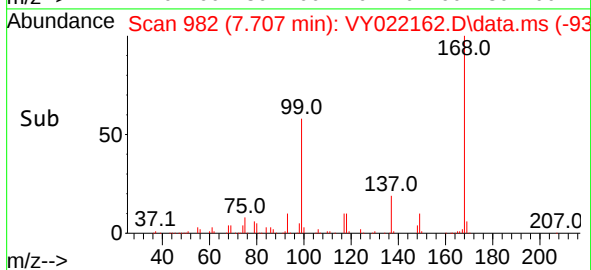
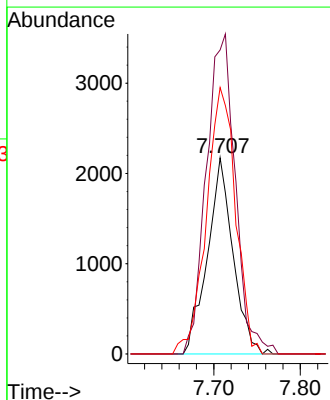
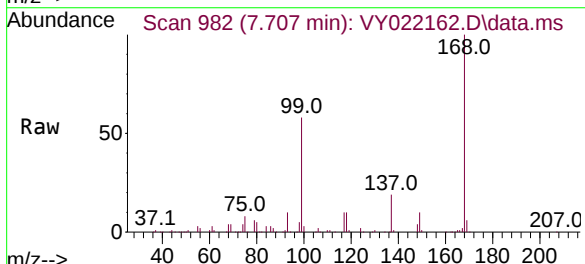
Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

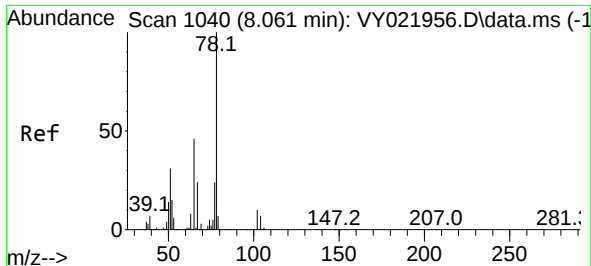
Tgt Ion:	84	Resp:	8070
Ion	Ratio	Lower	Upper
84	100		
49	98.1	79.9	119.9
51	31.6	25.4	38.0
86	50.5	50.6	76.0#



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:	56	Resp:	4475
Ion	Ratio	Lower	Upper
56	100		
69	155.0	29.4	44.2#
84	135.8	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 55.654 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022162.D

Acq: 05 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

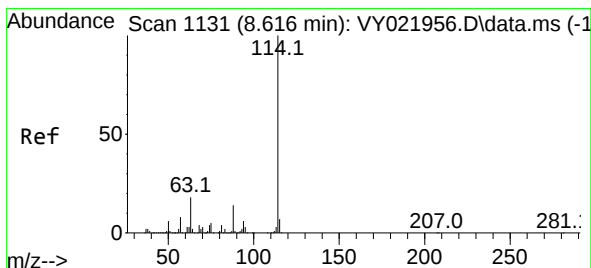
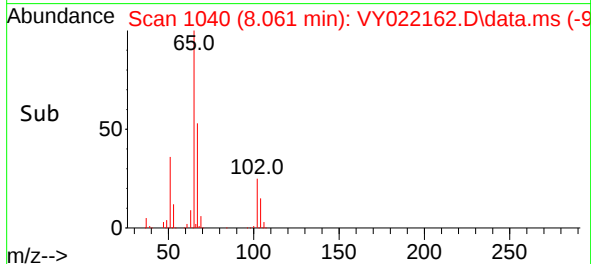
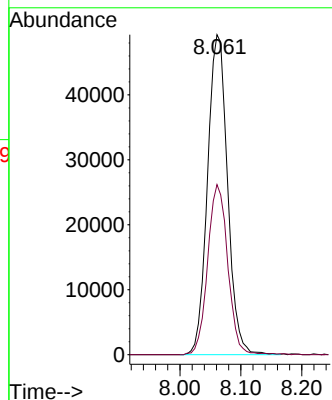
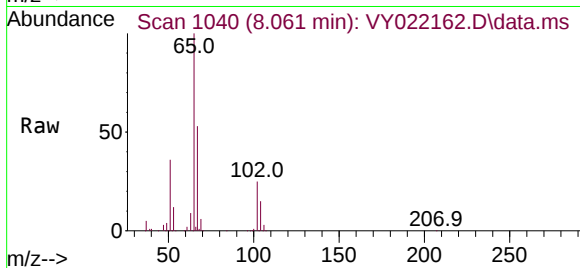
SB1-3-4

Tgt Ion: 65 Resp: 112587

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022162.D

Acq: 05 May 2025 16:18

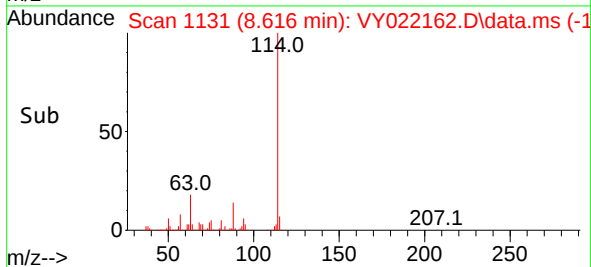
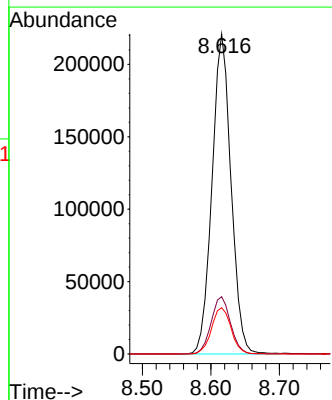
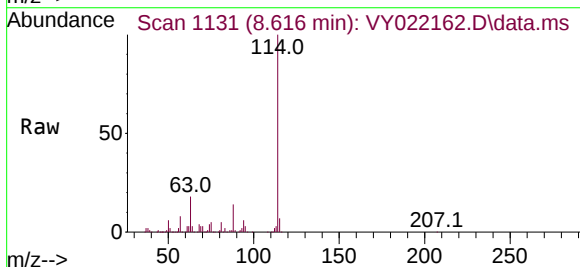
Tgt Ion:114 Resp: 424575

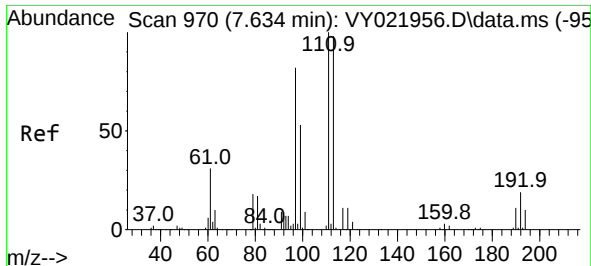
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.5 0.0 28.2

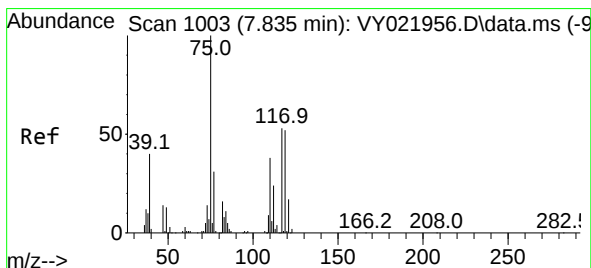
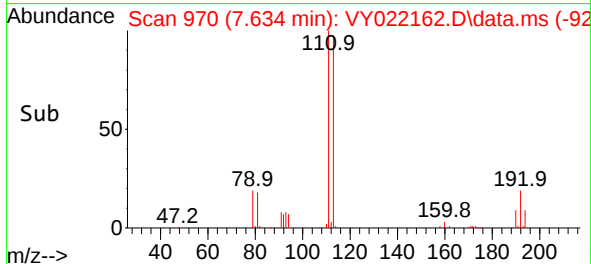
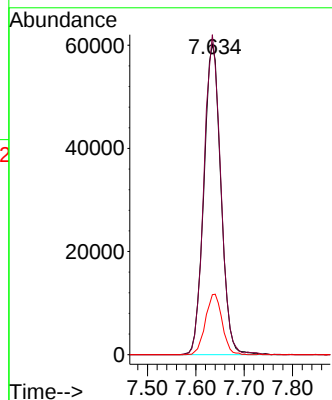
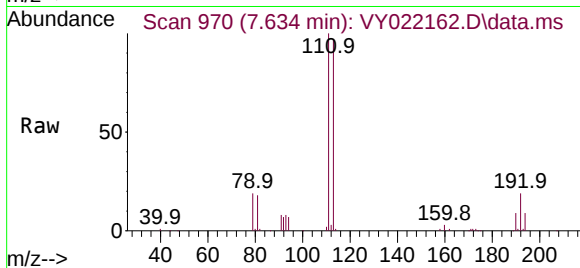




#35
Dibromofluoromethane
Concen: 52.467 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

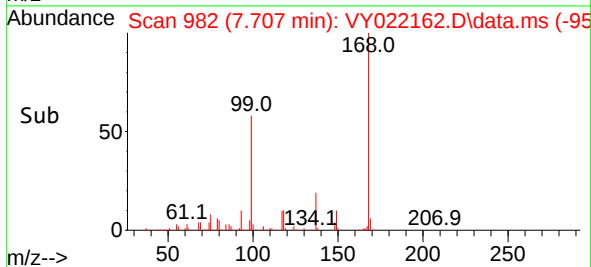
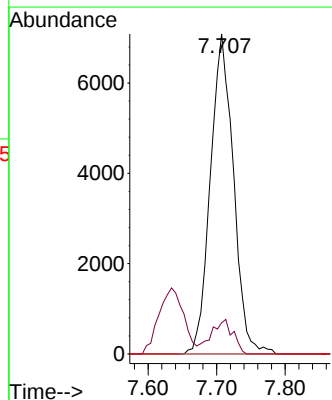
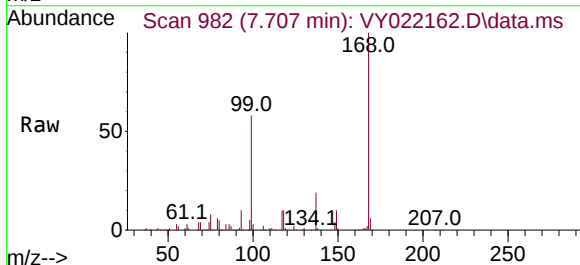
Instrument :
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ClientSampleId :
SB1-3-4

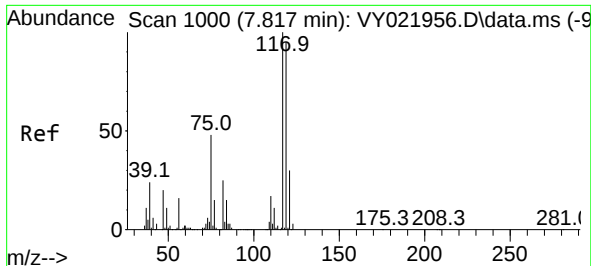
Tgt Ion:113 Resp: 147167
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.8
192 19.1 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.396 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 75 Resp: 16565
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.5 38.3#

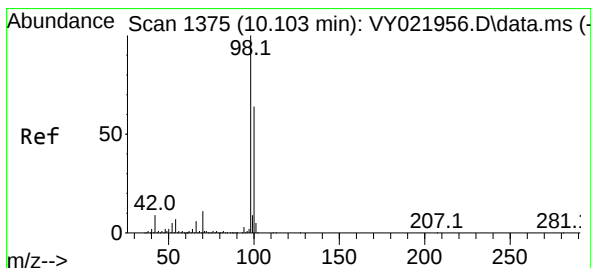
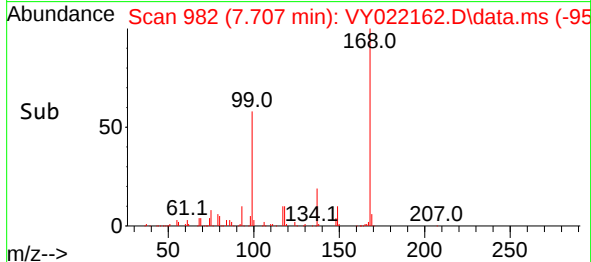
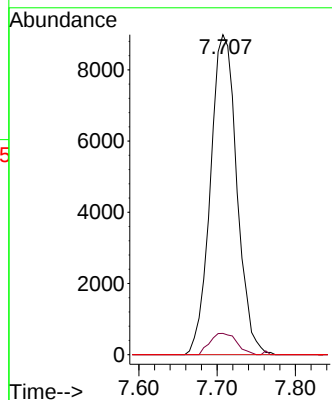
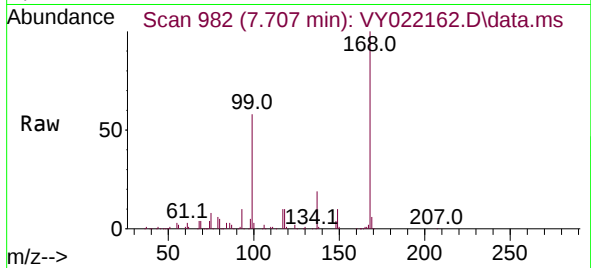




#38
Carbon Tetrachloride
Concen: 4.688 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

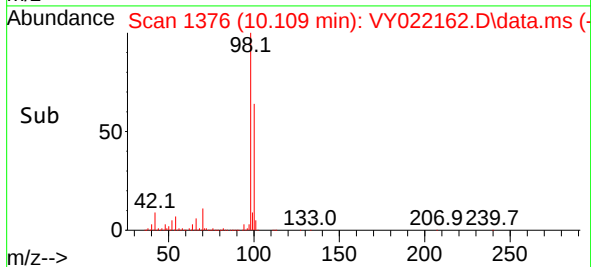
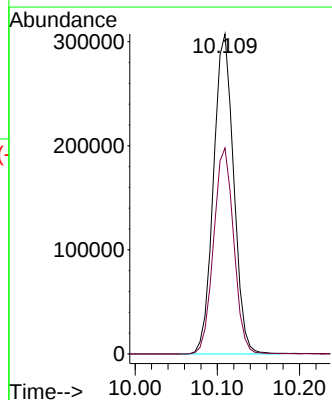
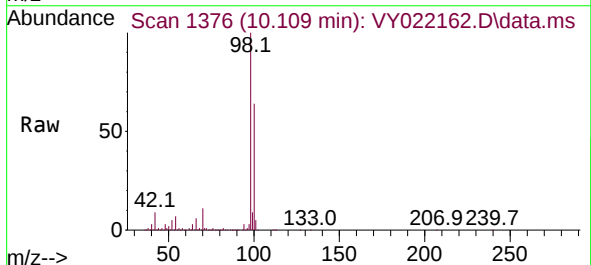
Instrument :
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SB1-3-4

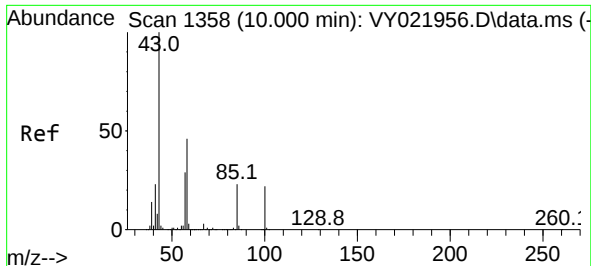
Tgt Ion:117 Resp: 21107
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 98 Resp: 523177
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

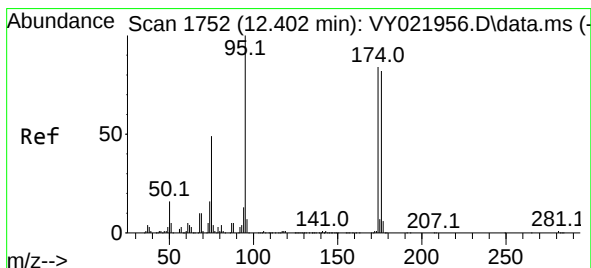
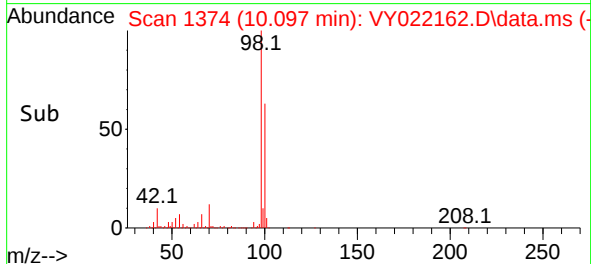
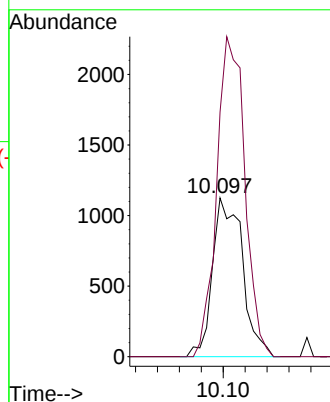
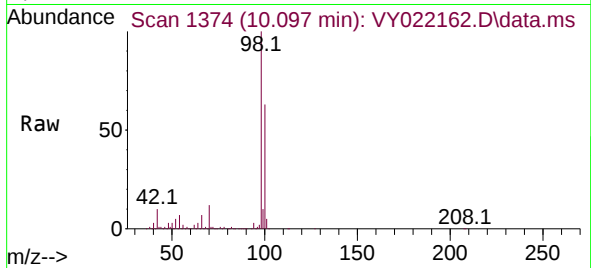




#51
4-Methyl-2-Pentanone
Concen: 1.563 ug/l
RT: 10.097 min Scan# 1358
Delta R.T. 0.098 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

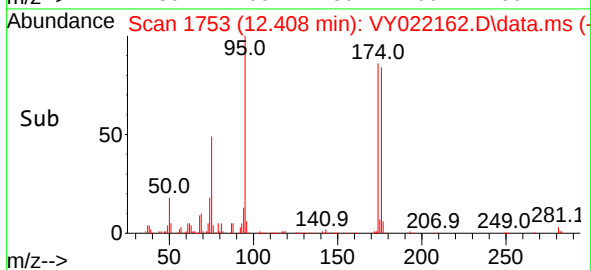
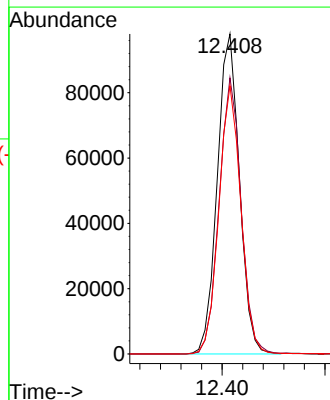
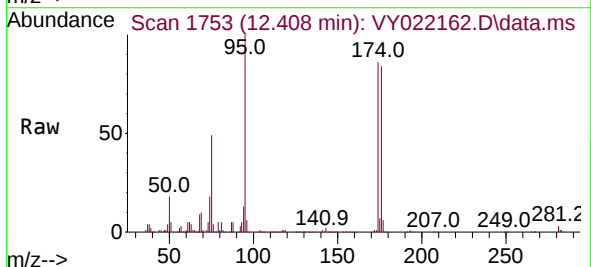
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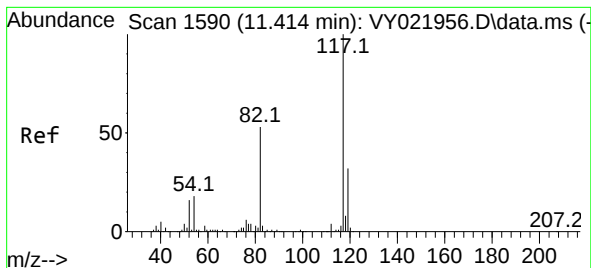
Tgt Ion: 43 Resp: 2129
Ion Ratio Lower Upper
43 100
58 189.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.161 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 95 Resp: 146528
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 83.2 0.0 171.8

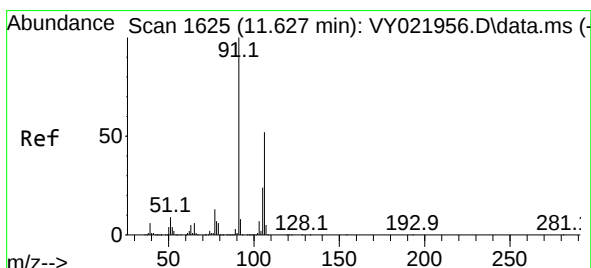
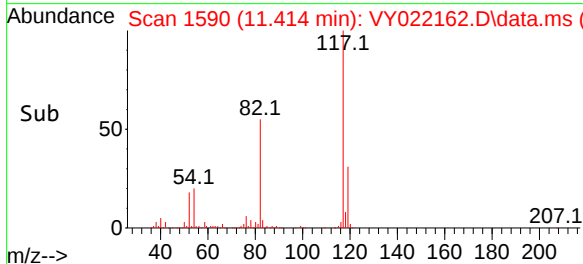
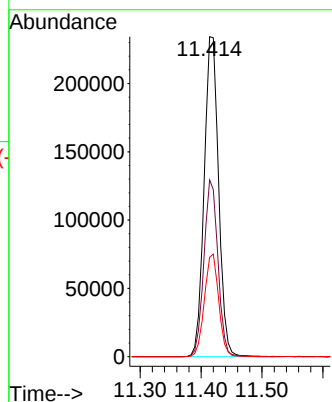
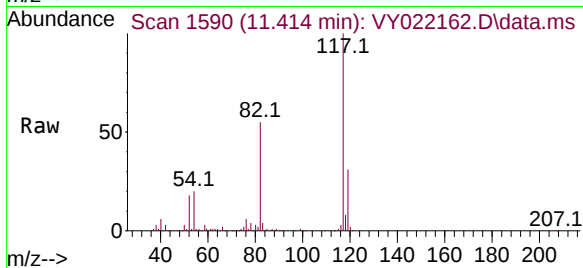




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

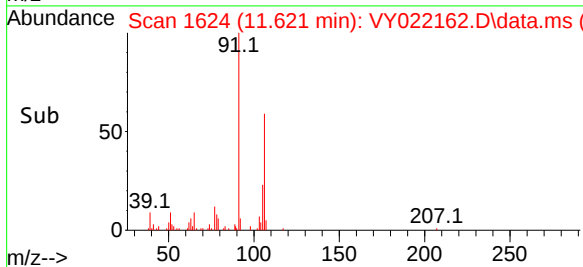
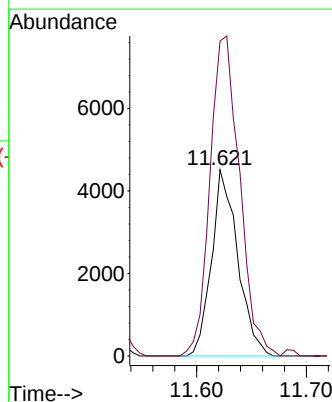
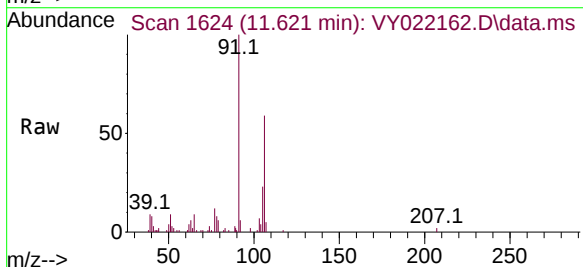
Instrument :
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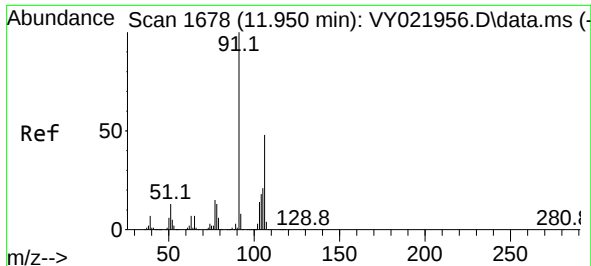
Tgt Ion:117 Resp: 385973
Ion Ratio Lower Upper
117 100
82 55.2 42.1 63.1
119 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 1.334 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:106 Resp: 7493
Ion Ratio Lower Upper
106 100
91 194.1 156.2 234.2

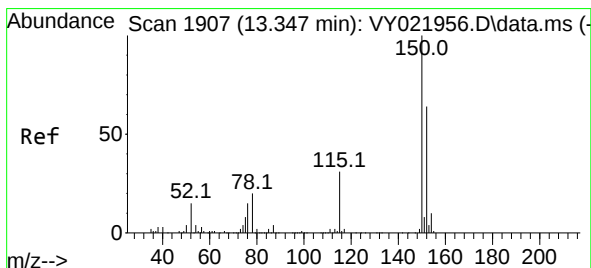
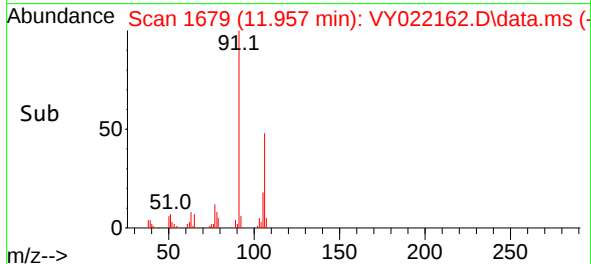
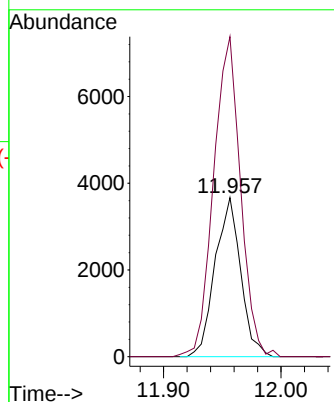
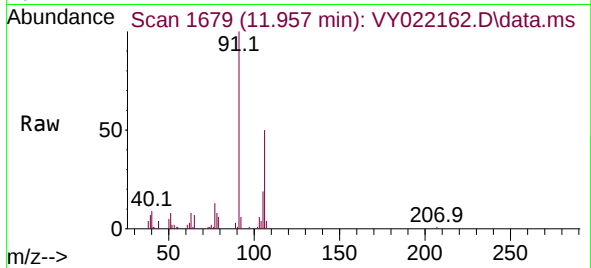




#69
o-Xylene
Concen: 1.073 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

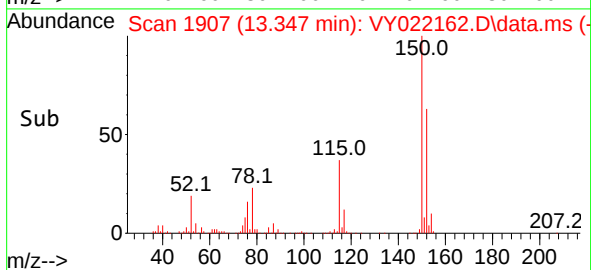
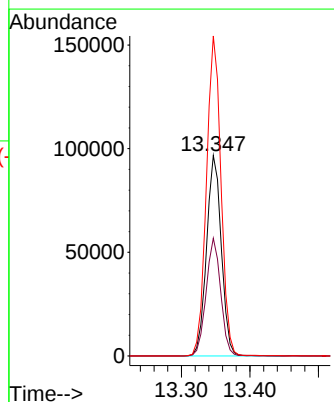
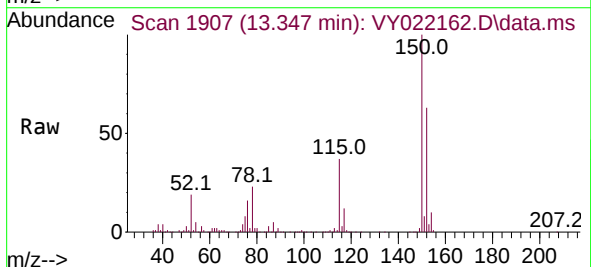
Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

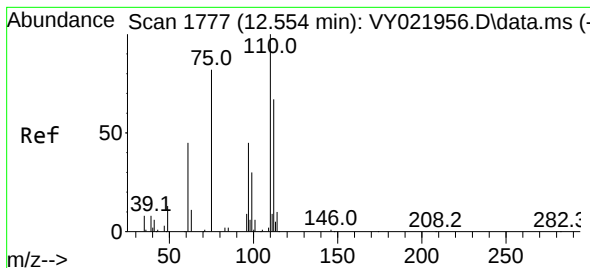
Tgt Ion:106 Resp: 5554
Ion Ratio Lower Upper
106 100
91 211.7 103.0 308.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:152 Resp: 144961
Ion Ratio Lower Upper
152 100
115 58.0 28.0 84.0
150 156.9 0.0 345.6

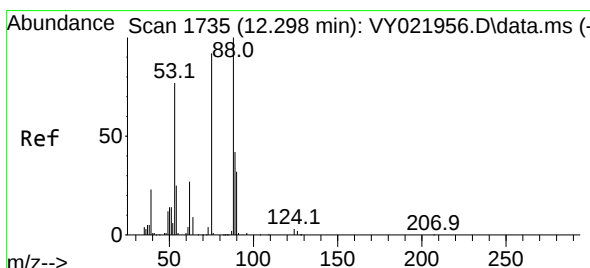
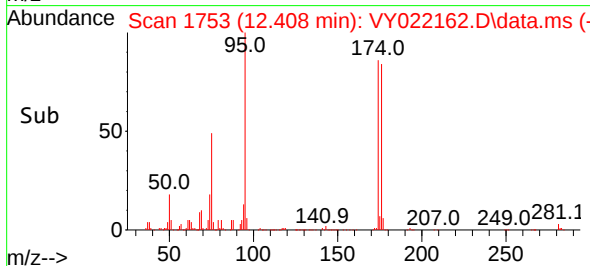
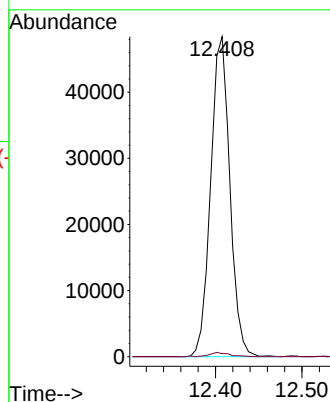
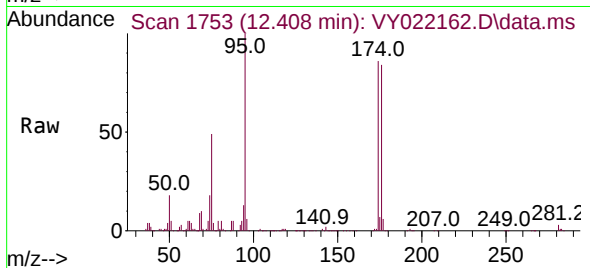




#76
1,2,3-Trichloropropane
Concen: 59.934 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion: 75 Resp: 74418
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 75 Resp: 74418
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.1 37.2 55.8#

