

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022556.D
 Acq On : 04 Jun 2025 17:21
 Operator : SY/MD
 Sample : Q2177-06
 Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-202-SB01

Quant Time: Jun 05 04:19:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

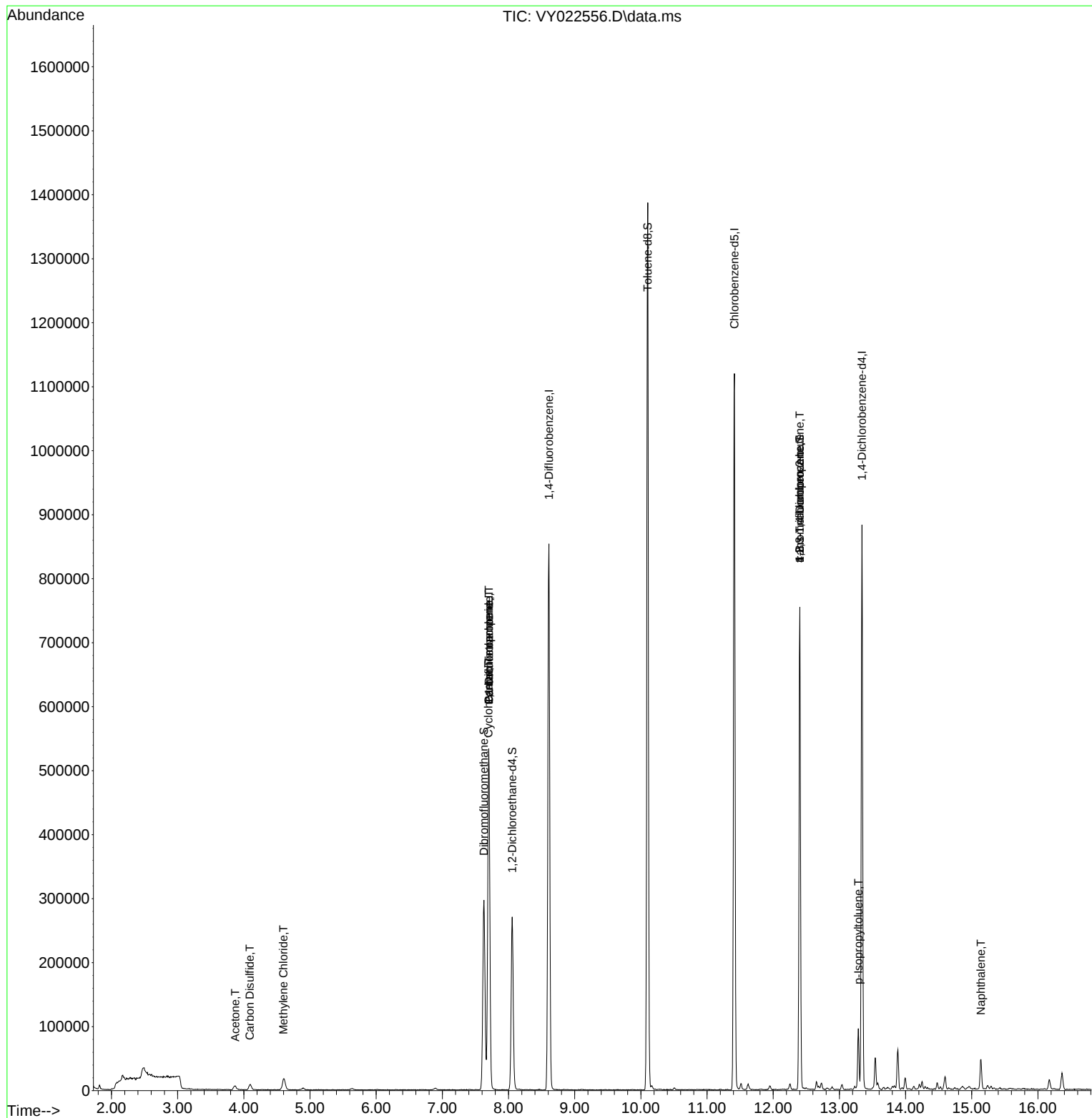
Internal Standards						
1) Pentafluorobenzene	7.701	168	390326	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	698589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	543747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	198715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	199216	45.633	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.260%
35) Dibromofluoromethane	7.628	113	201113	48.232	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.460%
50) Toluene-d8	10.103	98	844797	50.141	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.280%
62) 4-Bromofluorobenzene	12.402	95	200279	39.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.800%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	10807	12.189	ug/l	90
17) Carbon Disulfide	4.092	76	16164	1.233	ug/l	97
20) Methylene Chloride	4.598	84	12762	2.534	ug/l	88
31) Cyclohexane	7.695	56	11246	1.341	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	35563	5.255	ug/l #	50
38) Carbon Tetrachloride	7.701	117	40661	5.857	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	118364	52.065	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	118364	125.735	ug/l #	10
86) p-Isopropyltoluene	13.286	119	46645	3.214	ug/l	98
95) Naphthalene	15.139	128	36821	5.940	ug/l	98

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

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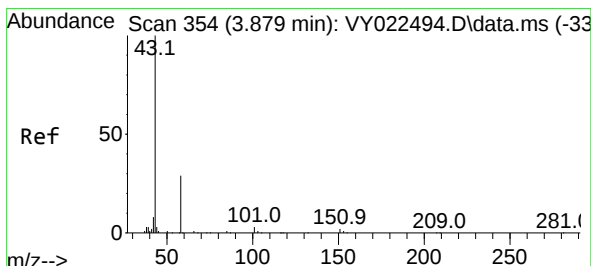
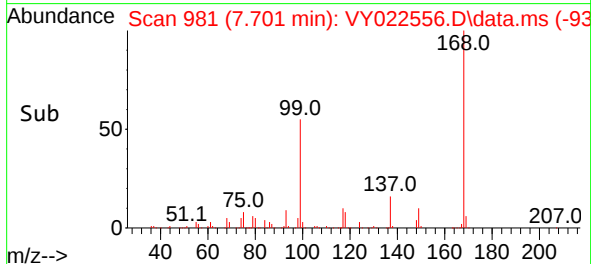
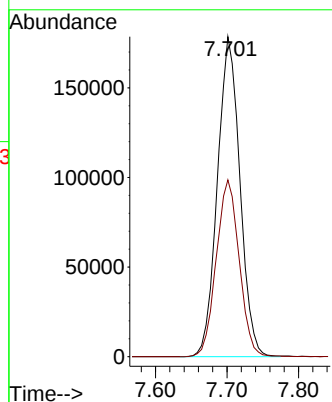
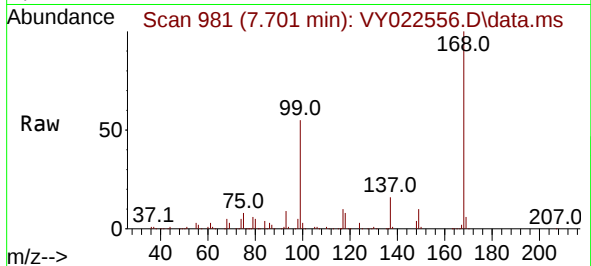




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

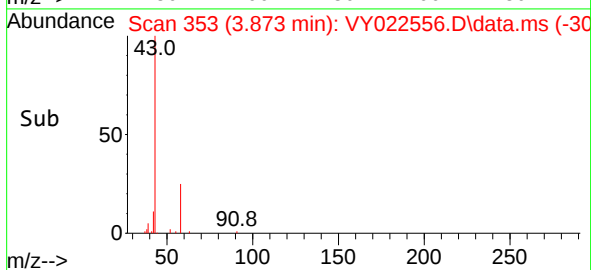
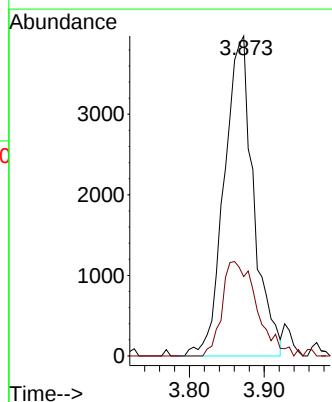
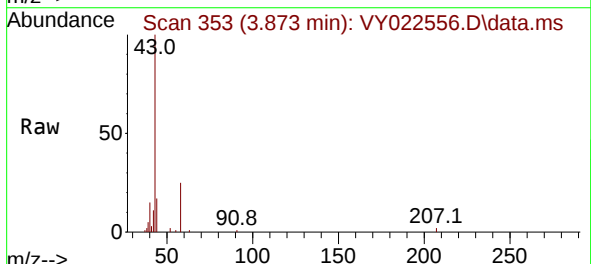
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

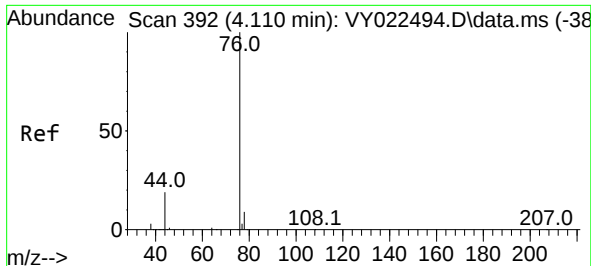
Tgt Ion:168 Resp: 390326
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#16
Acetone
Concen: 12.189 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion: 43 Resp: 10807
Ion Ratio Lower Upper
43 100
58 24.8 24.0 36.0

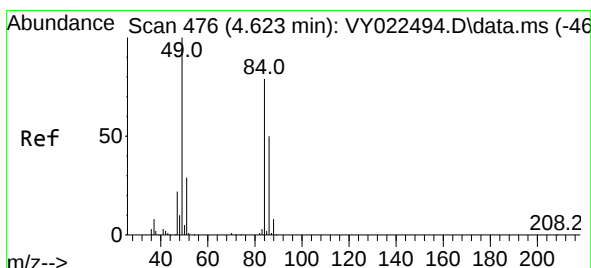
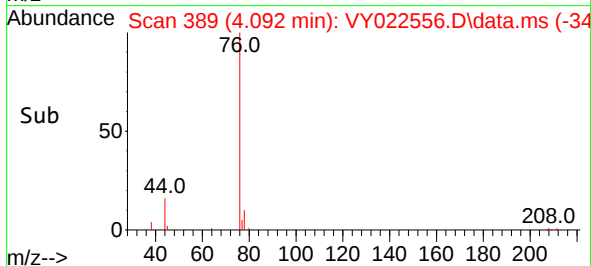
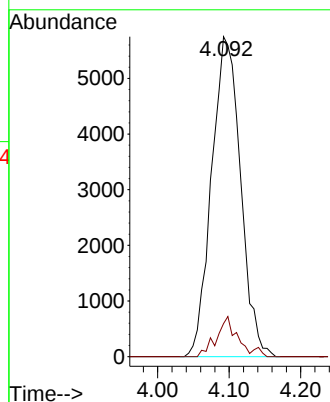
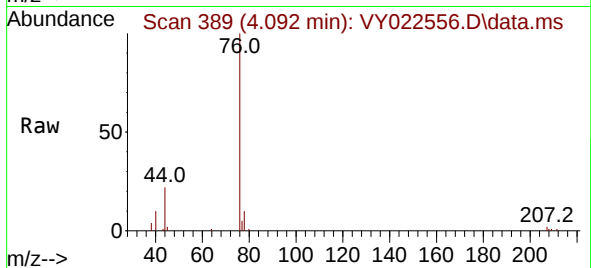




#17
Carbon Disulfide
Concen: 1.233 ug/l
RT: 4.092 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

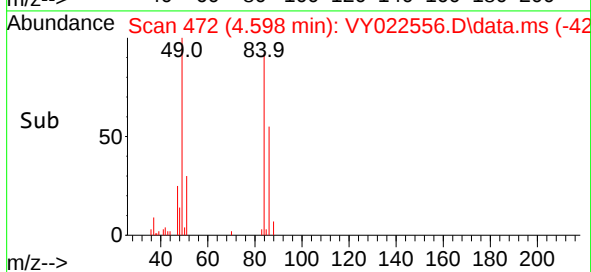
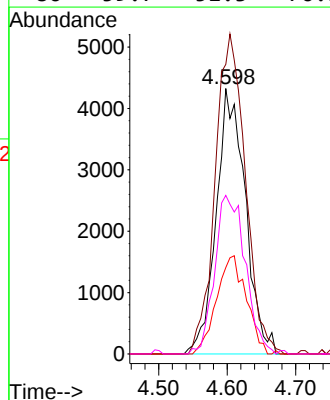
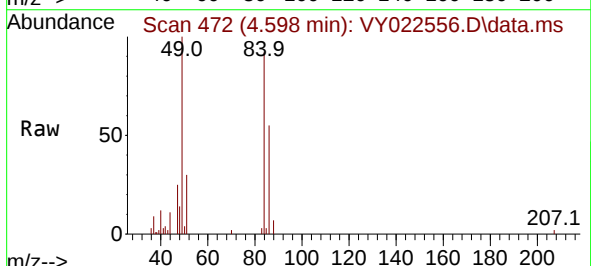
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

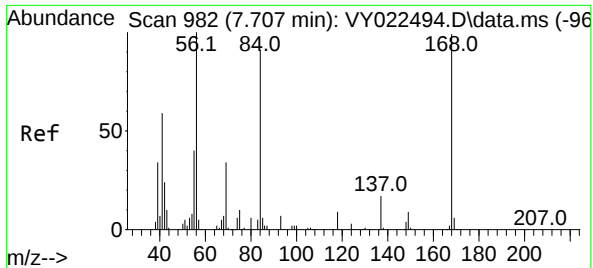
Tgt Ion: 76 Resp: 16164
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.2



#20
Methylene Chloride
Concen: 2.534 ug/l
RT: 4.598 min Scan# 472
Delta R.T. -0.024 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion: 84 Resp: 12762
Ion Ratio Lower Upper
84 100
49 109.1 101.9 152.9
51 32.5 29.8 44.8
86 59.7 51.3 76.9

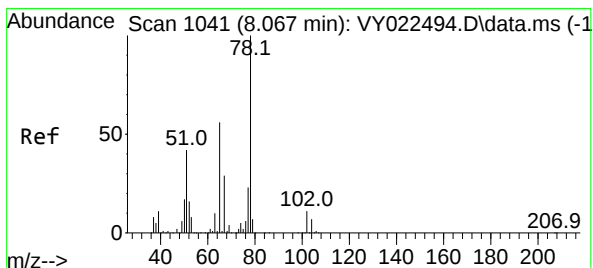
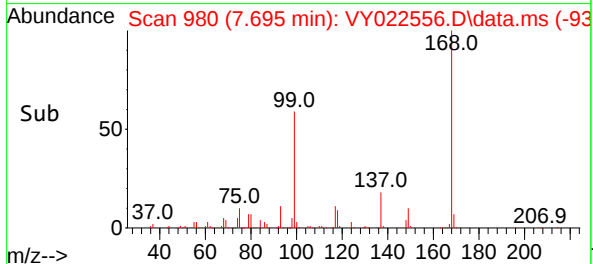
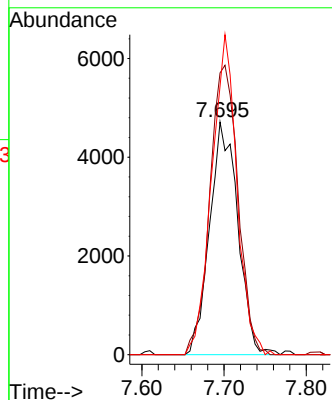
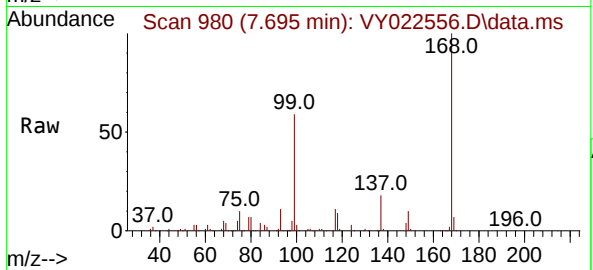




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

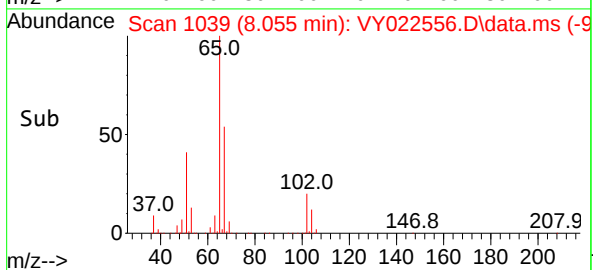
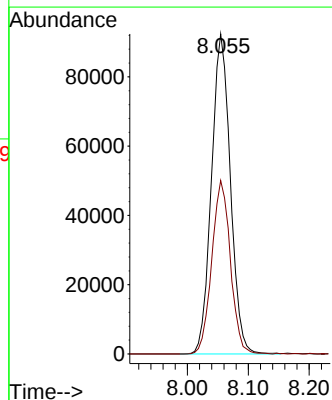
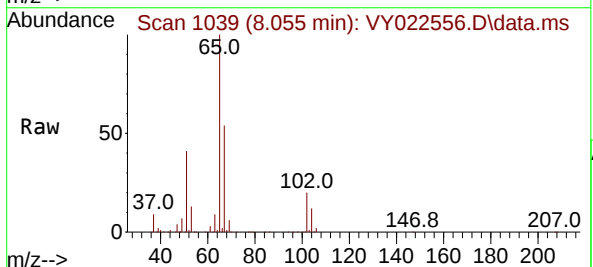
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

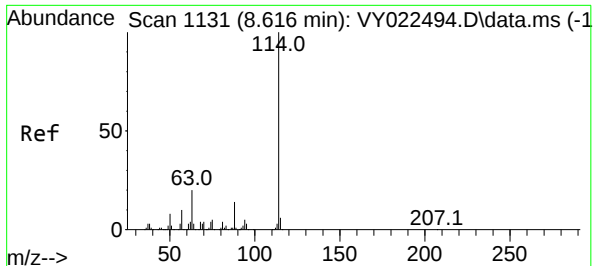
Tgt Ion: 56 Resp: 11246
Ion Ratio Lower Upper
56 100
69 121.1 27.0 40.6#
84 115.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 45.633 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion: 65 Resp: 199216
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4

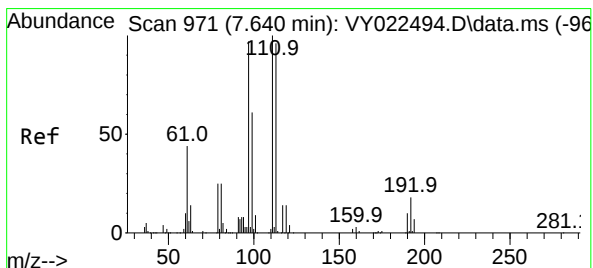
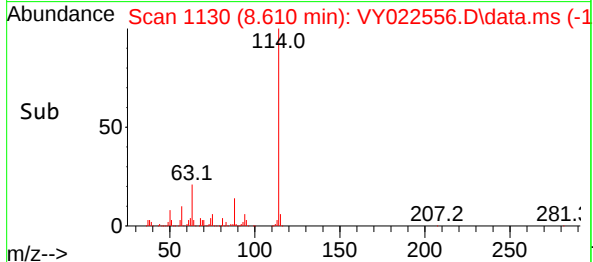
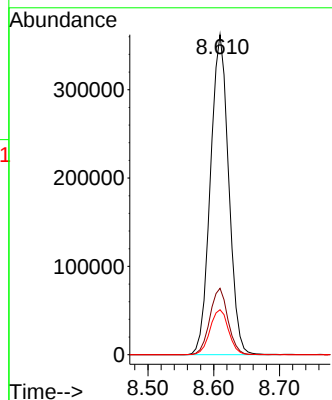
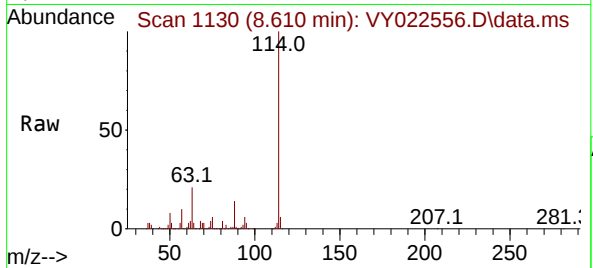




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

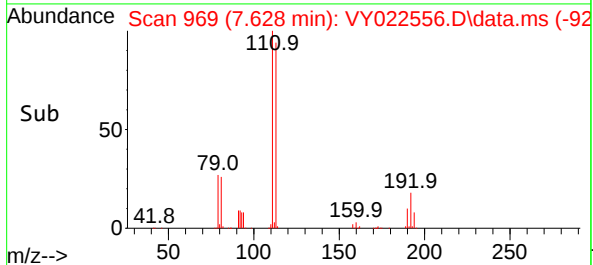
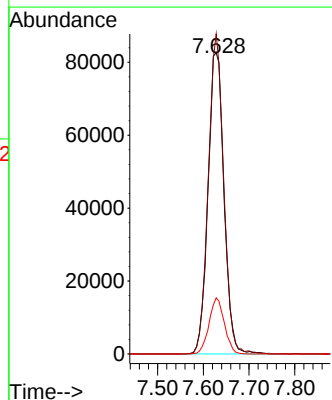
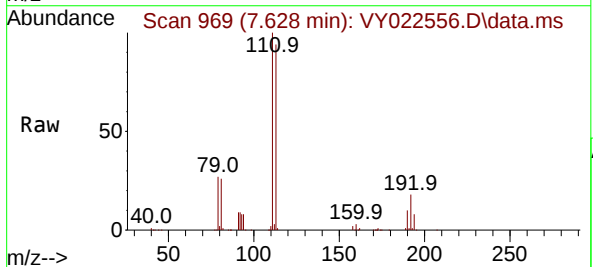
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

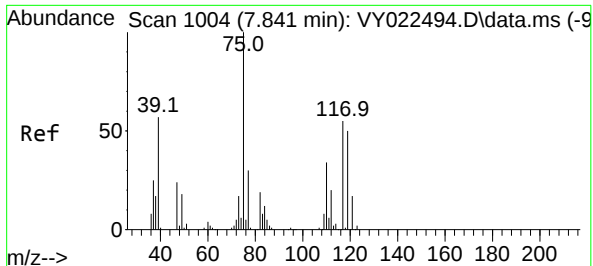
Tgt Ion:114 Resp: 698589
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.232 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion:113 Resp: 201113
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 17.8 14.2 21.2

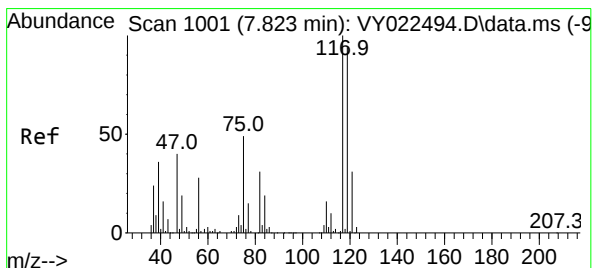
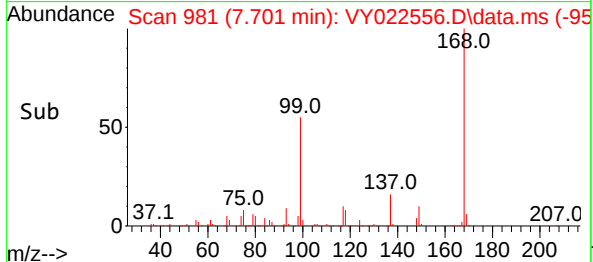
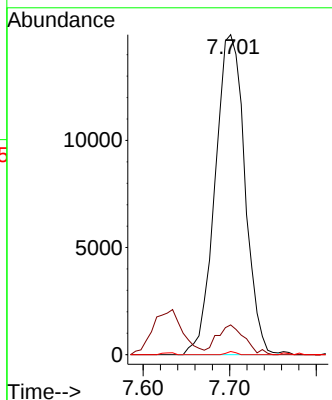
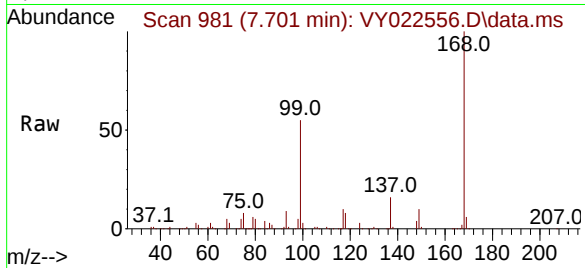




#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022556.D
 Acq: 04 Jun 2025 17:21

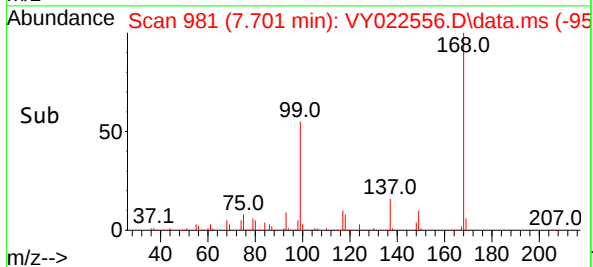
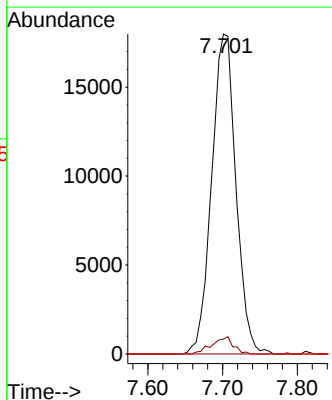
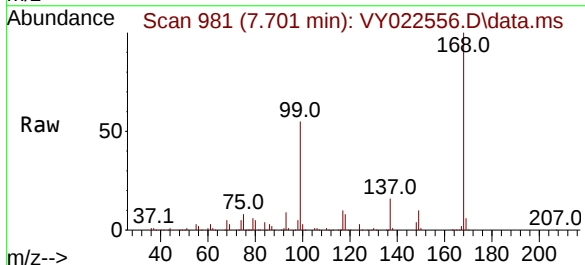
Instrument :
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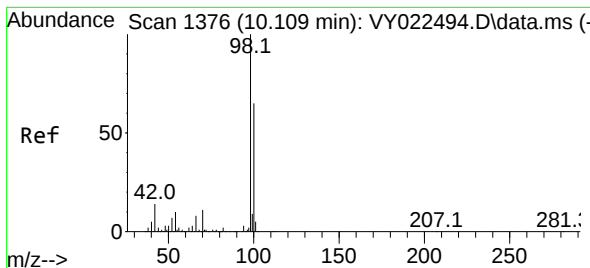
Tgt Ion: 75 Resp: 35563
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.7#
 77 0.3 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.857 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY022556.D
 Acq: 04 Jun 2025 17:21

Tgt Ion: 117 Resp: 40661
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.0 112.6#
 121 0.0 25.0 37.4#

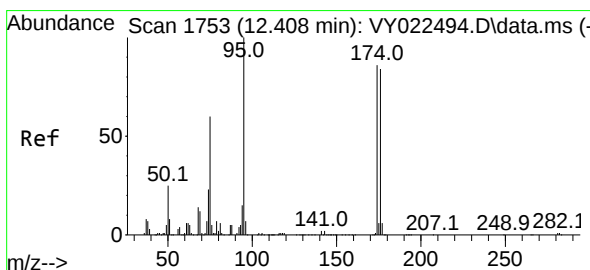
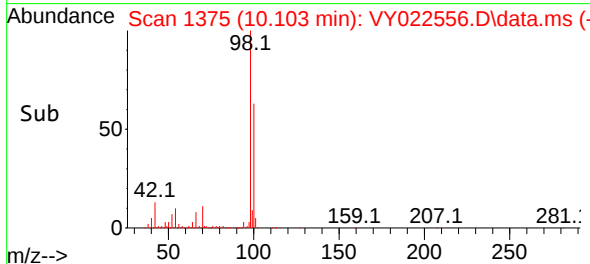
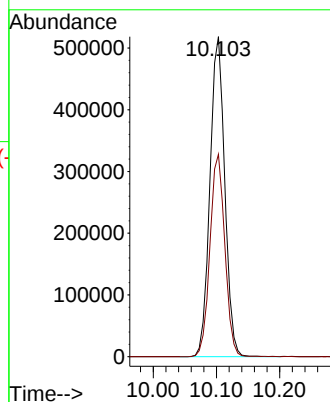
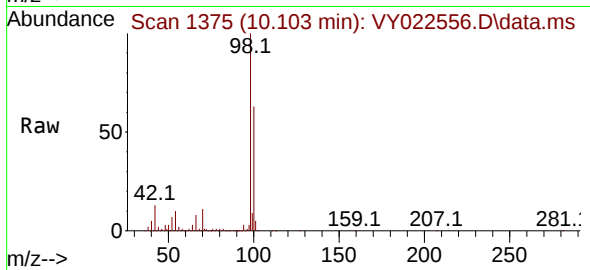




#50
Toluene-d8
Concen: 50.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

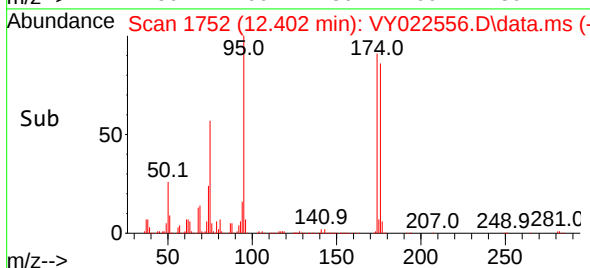
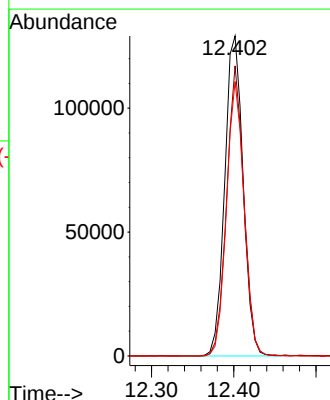
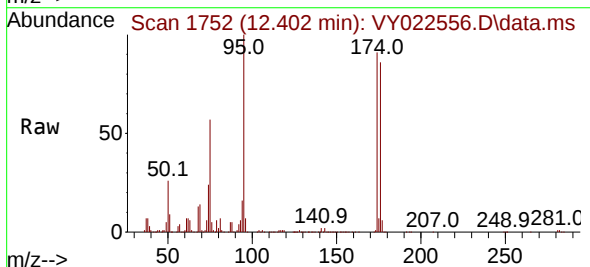
Instrument :
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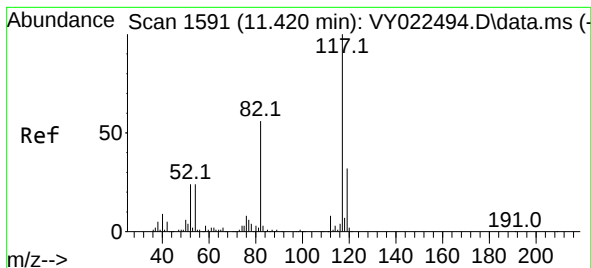
Tgt Ion: 98 Resp: 844797
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.896 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion: 95 Resp: 200279
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.0
176 82.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022556.D

Acq: 04 Jun 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

B-202-SB01

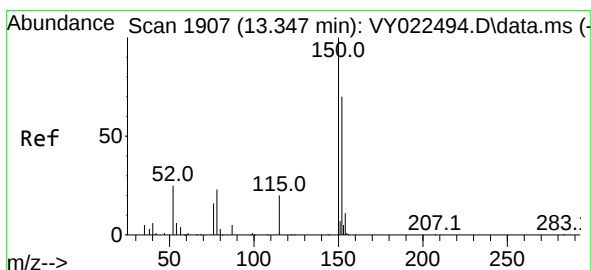
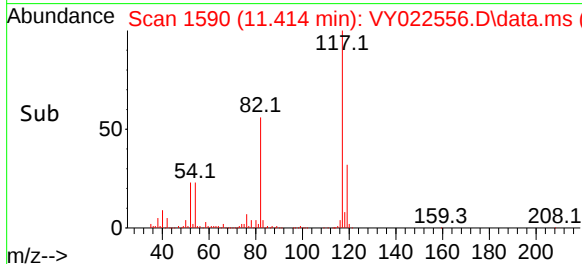
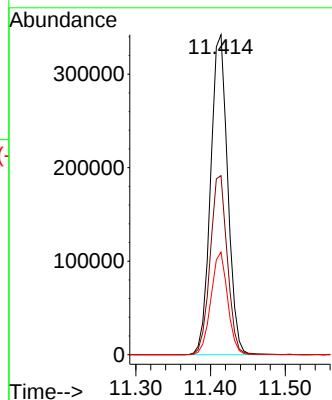
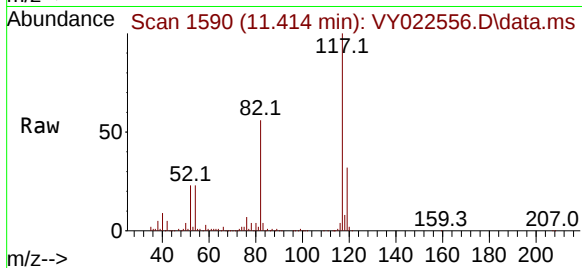
Tgt Ion:117 Resp: 543747

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022556.D

Acq: 04 Jun 2025 17:21

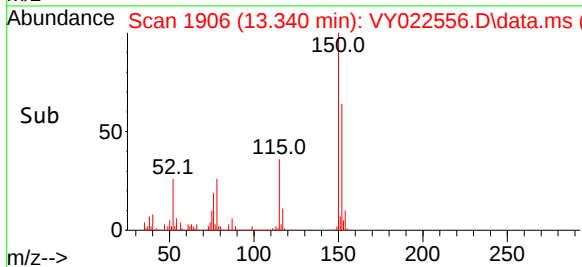
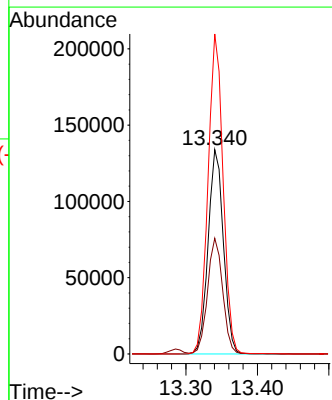
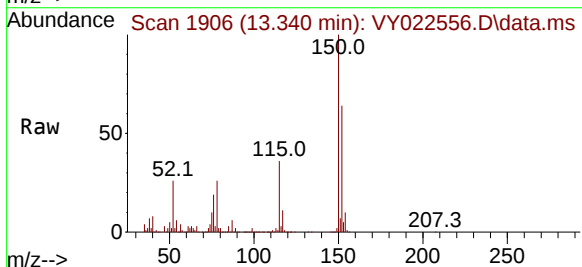
Tgt Ion:152 Resp: 198715

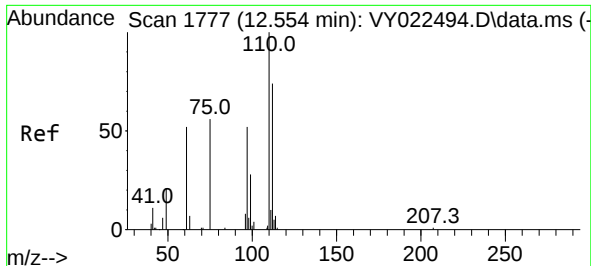
Ion Ratio Lower Upper

152 100

115 56.3 28.9 86.7

150 154.7 0.0 349.6

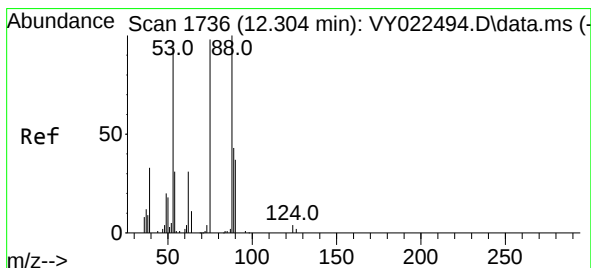
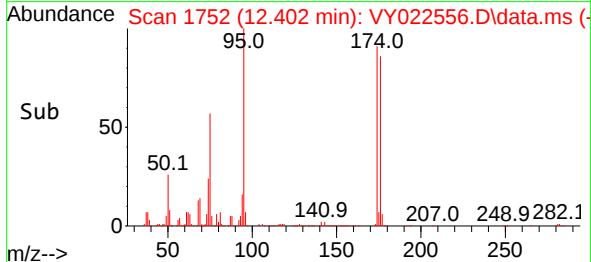
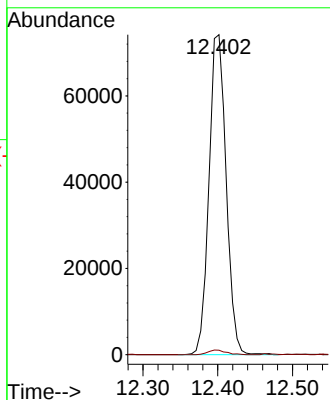
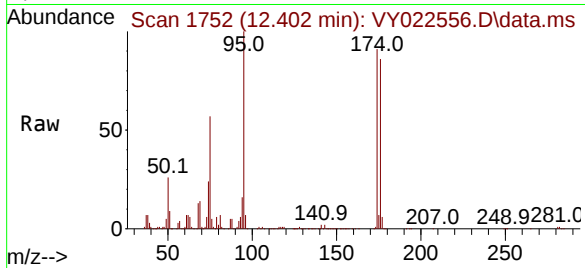




#76
 1,2,3-Trichloropropane
 Concen: 52.065 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022556.D
 Acq: 04 Jun 2025 17:21

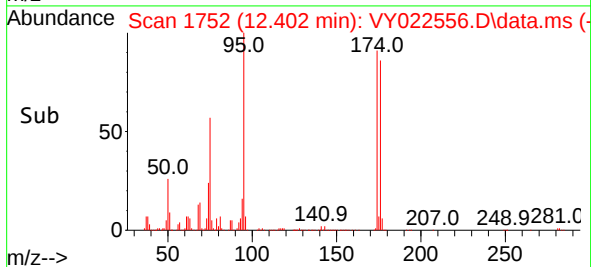
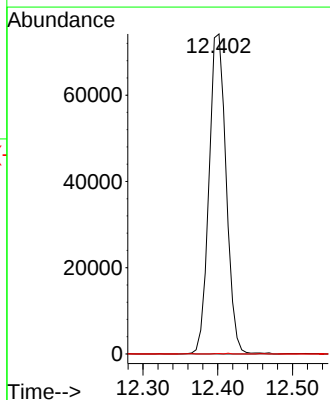
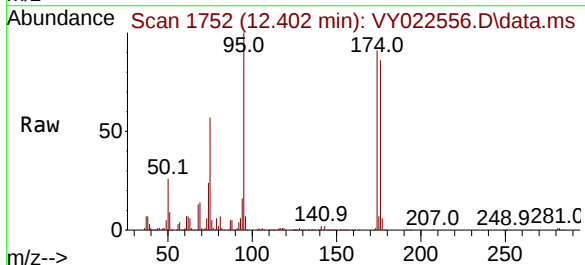
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-202-SB01

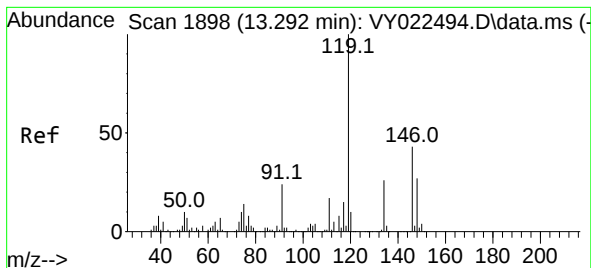
Tgt Ion: 75 Resp: 118364
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.735 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022556.D
 Acq: 04 Jun 2025 17:21

Tgt Ion: 75 Resp: 118364
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

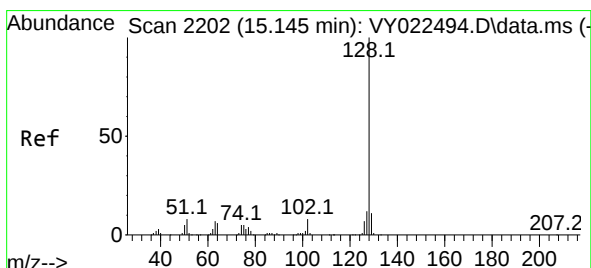
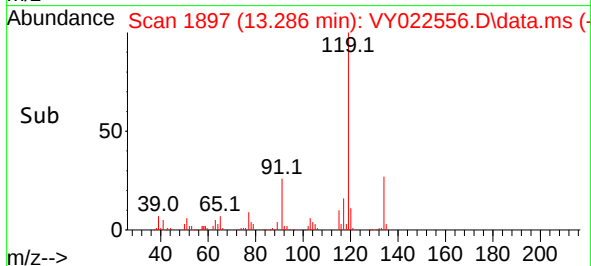
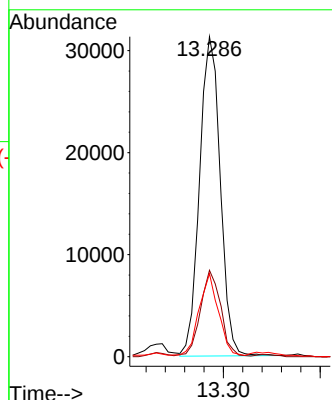
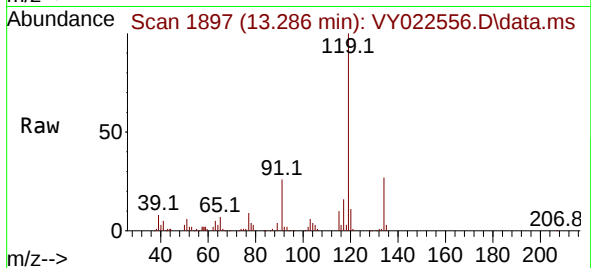




#86
p-Isopropyltoluene
Concen: 3.214 ug/l
RT: 13.286 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:	119	Resp:	46645
Ion Ratio	Lower	Upper	
119	100		
134	26.7	13.1	39.1
91	25.0	11.6	34.8



#95
Naphthalene
Concen: 5.940 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022556.D
Acq: 04 Jun 2025 17:21

Tgt Ion:	128	Resp:	36821
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.4	15.6
129	11.6	8.9	13.3

