

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022733.D
 Acq On : 18 Jun 2025 12:16
 Operator : SY/MD
 Sample : Q2337-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-061625RE

Quant Time: Jun 19 03:59:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

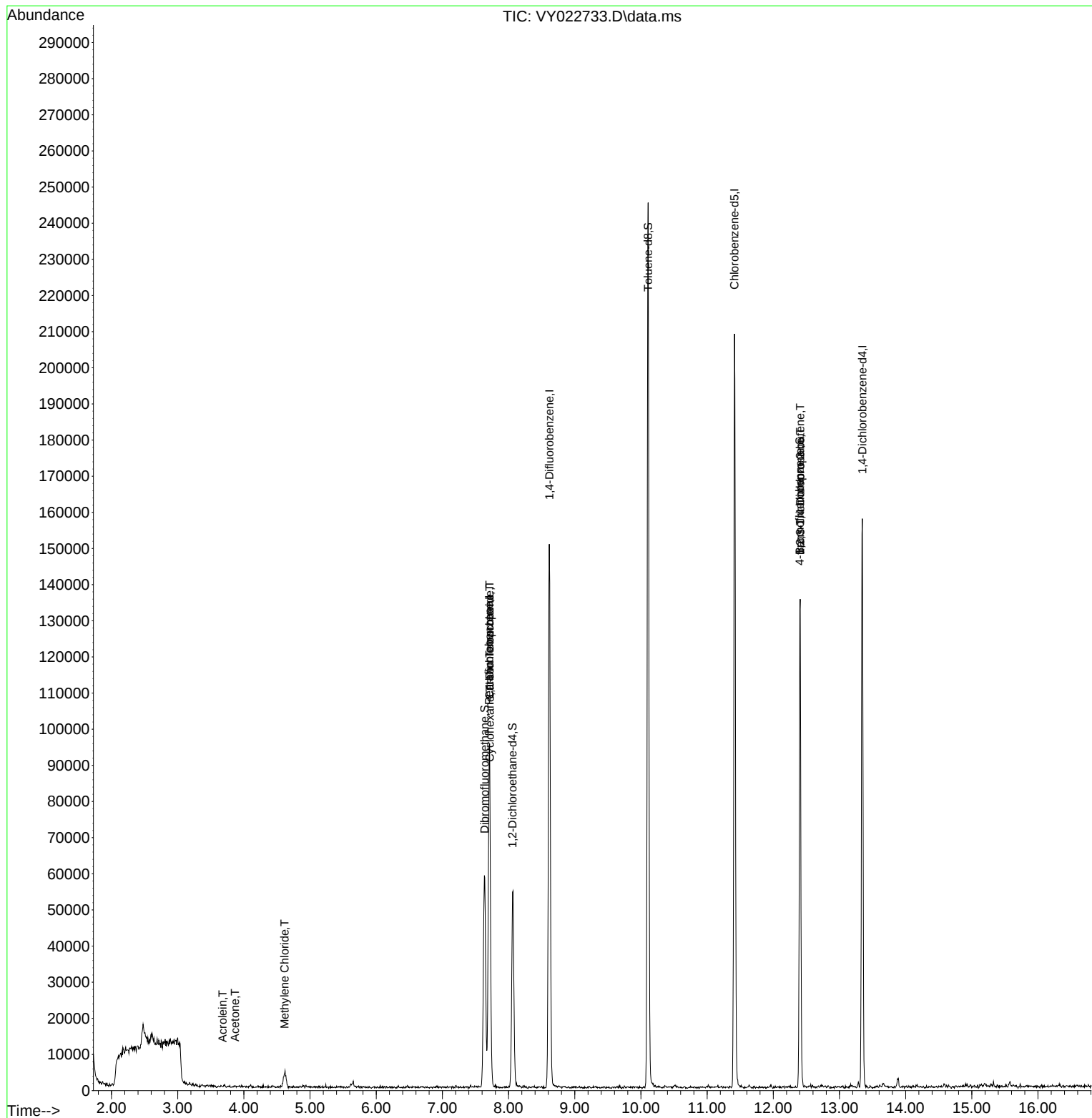
Internal Standards						
1) Pentafluorobenzene	7.707	168	69486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	127588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	103900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	36902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41272	53.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.220%	
35) Dibromofluoromethane	7.640	113	41238	54.150	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.300%	
50) Toluene-d8	10.109	98	152751	49.641	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.401	95	37452	40.849	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.700%	
Target Compounds						
					Qvalue	
13) Acrolein	3.677	56	70	1.012	ug/l #	14
16) Acetone	3.866	43	378	2.395	ug/l #	45
20) Methylene Chloride	4.616	84	2599	2.899	ug/l	90
31) Cyclohexane	7.719	56	2310	1.547	ug/l #	64
36) 1,1-Dichloropropene	7.713	75	6525	5.279	ug/l #	51
38) Carbon Tetrachloride	7.713	117	8058	6.355	ug/l #	18
76) 1,2,3-Trichloropropane	12.407	75	21873	51.811	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	21873	125.119	ug/l #	11

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

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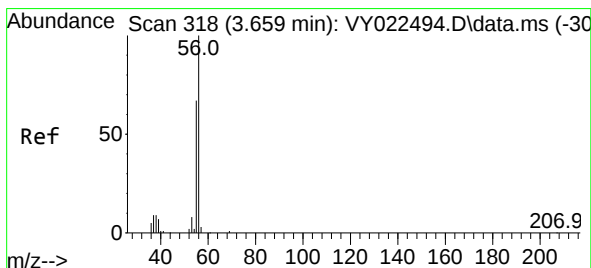
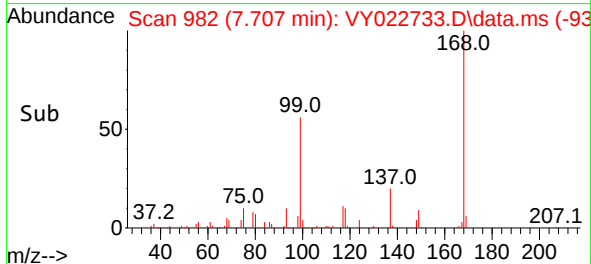
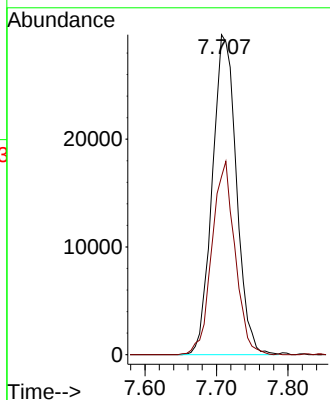
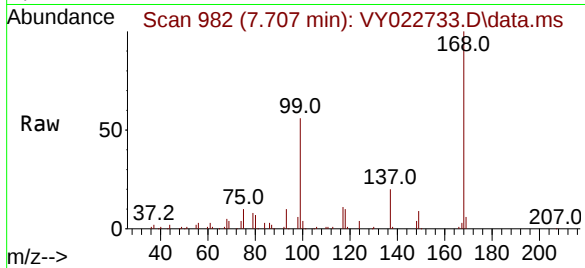




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

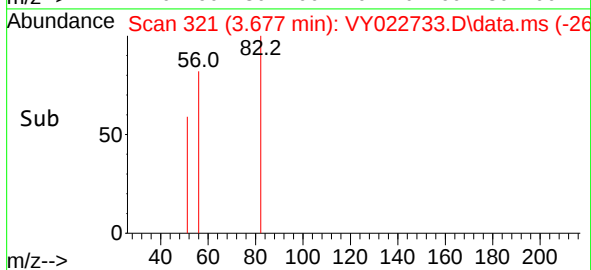
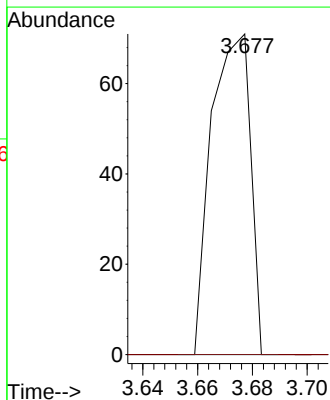
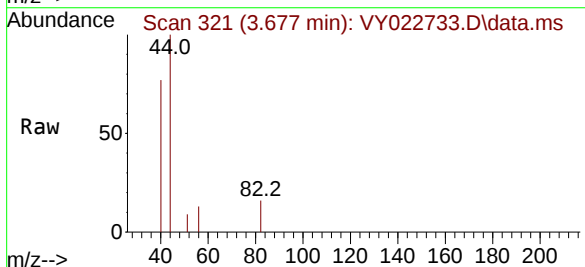
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-061625RE

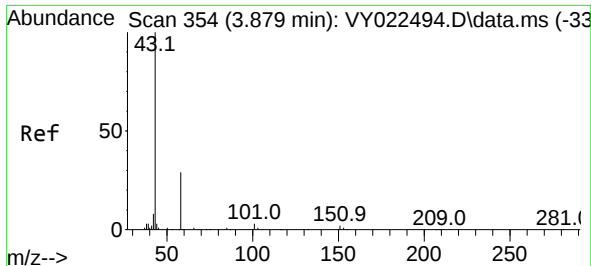
Tgt Ion:168 Resp: 69486
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#13
Acrolein
Concen: 1.012 ug/l
RT: 3.677 min Scan# 321
Delta R.T. 0.018 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

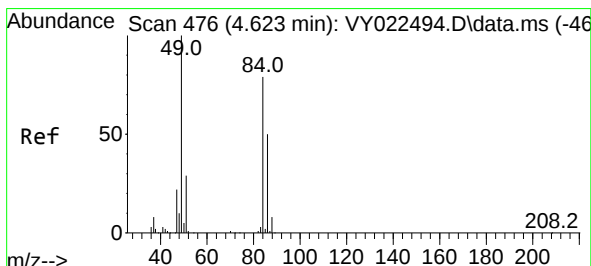
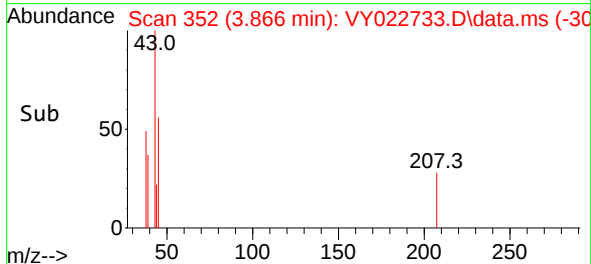
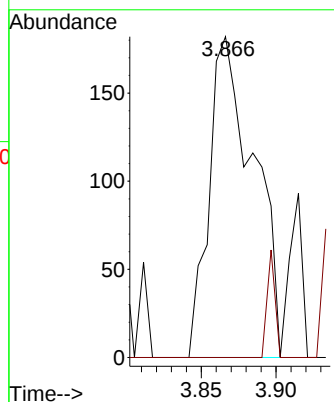
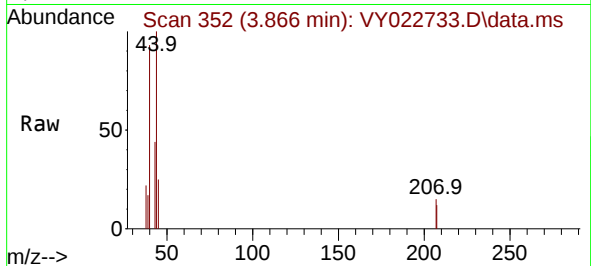




#16
Acetone
Concen: 2.395 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

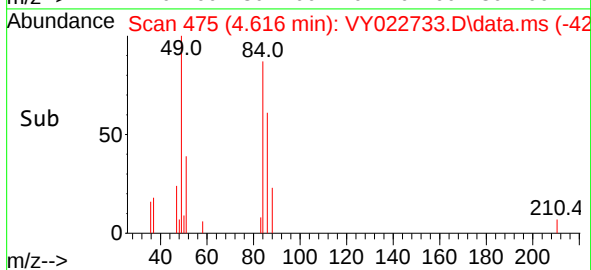
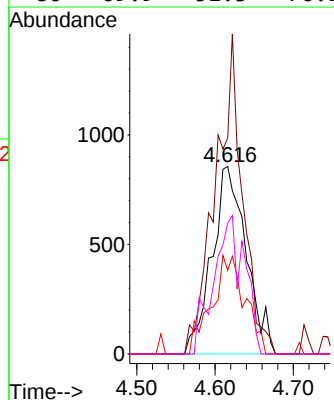
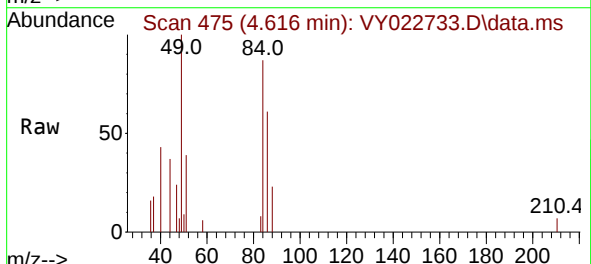
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-061625RE

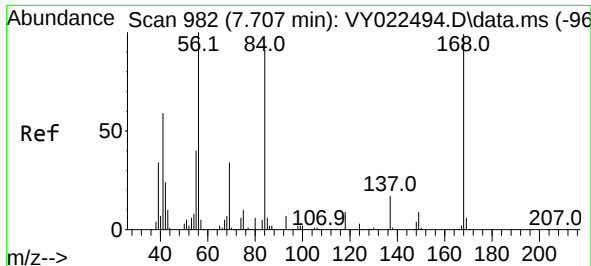
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 2.899 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

Tgt Ion: 84 Resp: 2599
Ion Ratio Lower Upper
84 100
49 115.2 101.9 152.9
51 44.6 29.8 44.8
86 69.9 51.3 76.9

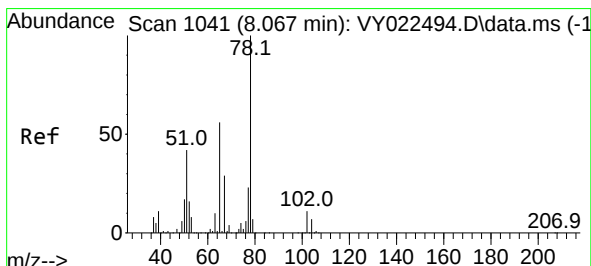
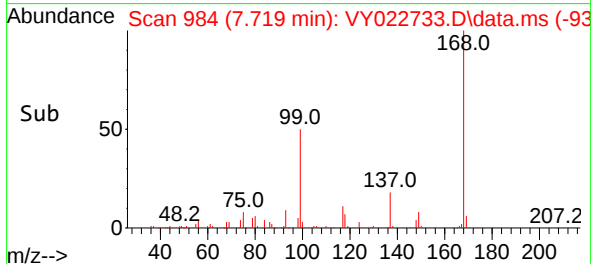
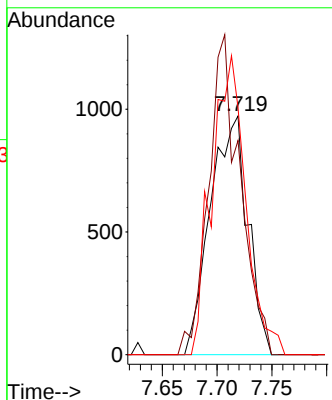
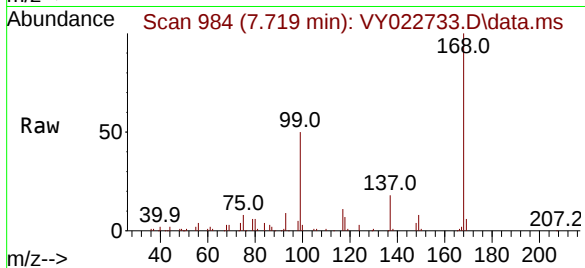




#31
Cyclohexane
Concen: 1.547 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

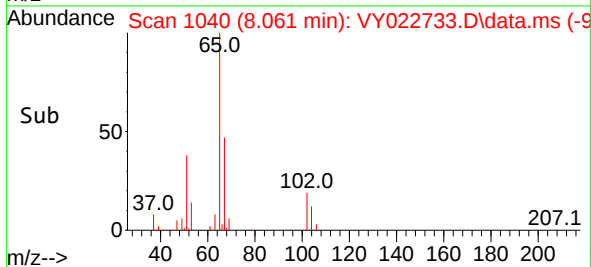
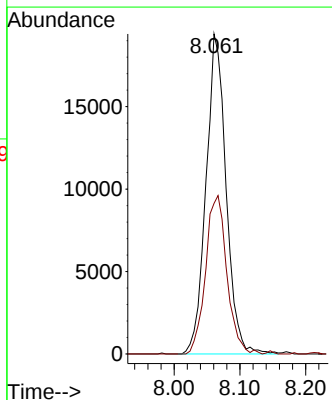
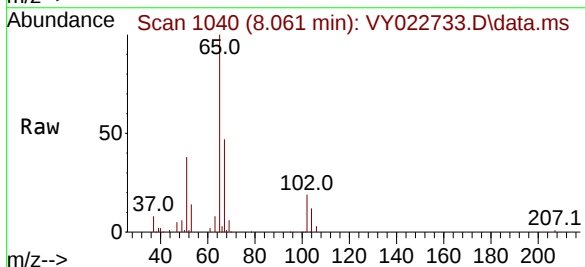
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-061625RE

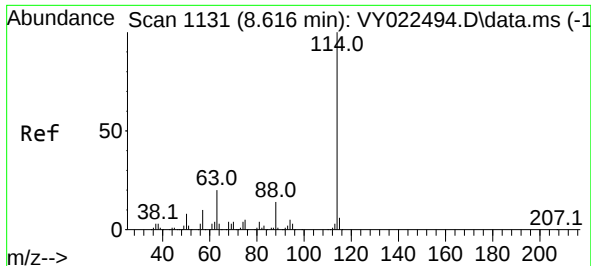
Tgt Ion: 56 Resp: 2310
Ion Ratio Lower Upper
56 100
69 89.7 27.0 40.6#
84 103.4 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 53.106 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

Tgt Ion: 65 Resp: 41272
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

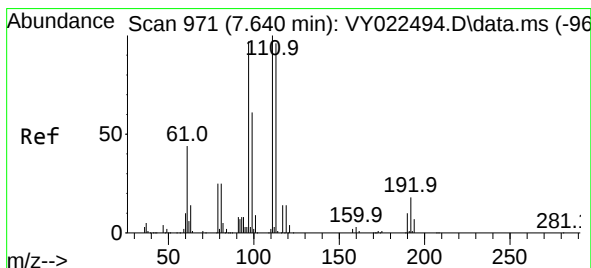
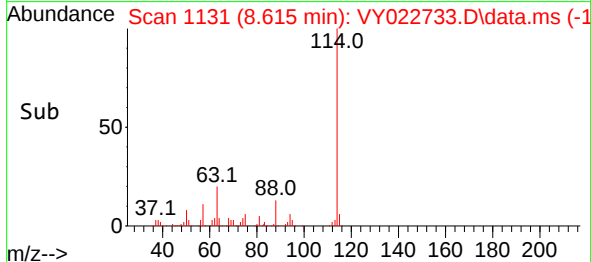
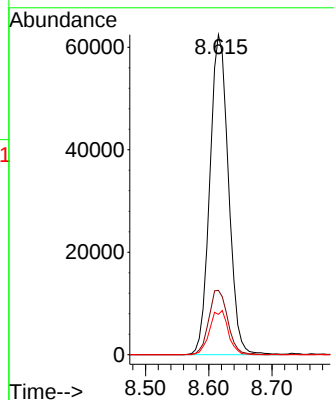
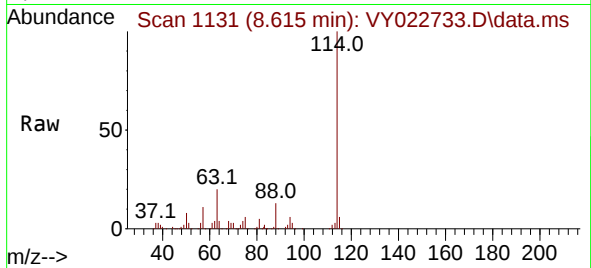




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

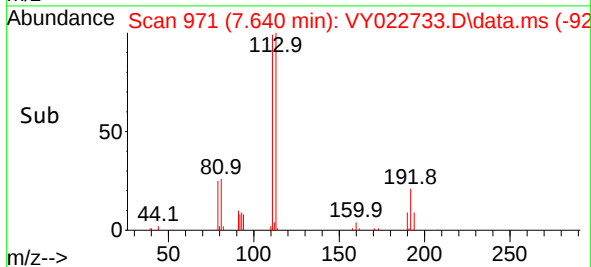
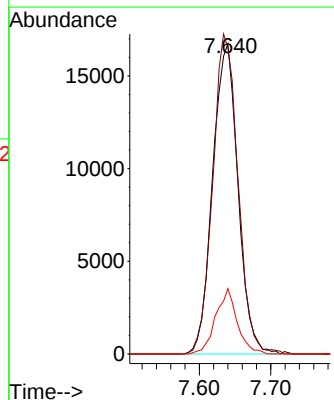
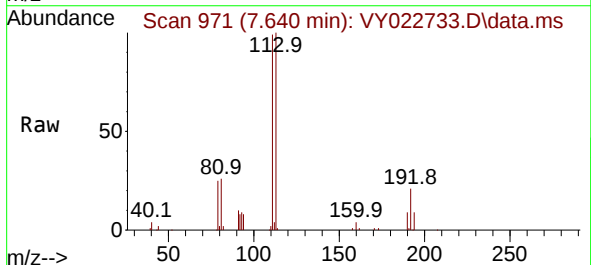
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-061625RE

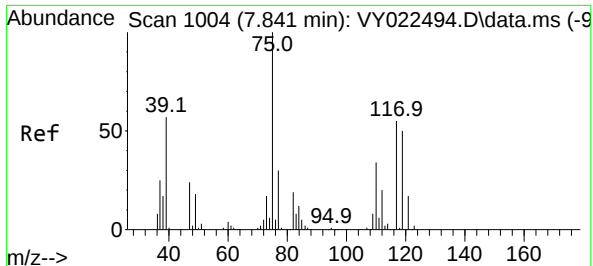
Tgt Ion:	114	Resp:	127588
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	40.8
88	12.6	0.0	27.8



#35
Dibromofluoromethane
Concen: 54.150 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

Tgt Ion:	113	Resp:	41238
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.1	121.7
192	17.9	14.2	21.2





#36

1,1-Dichloropropene

Concen: 5.279 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-061625RE

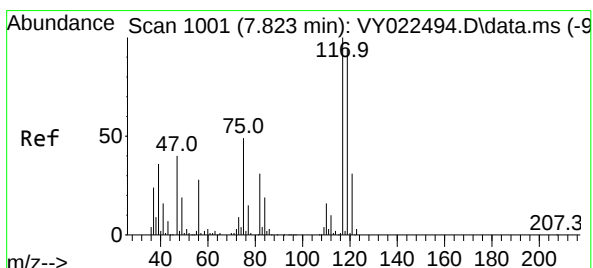
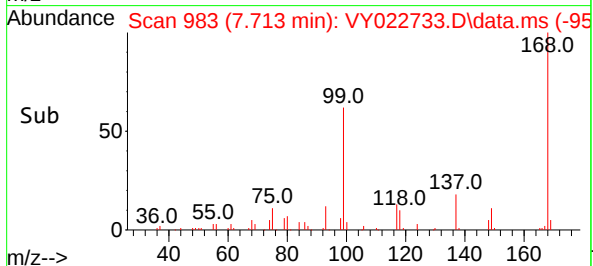
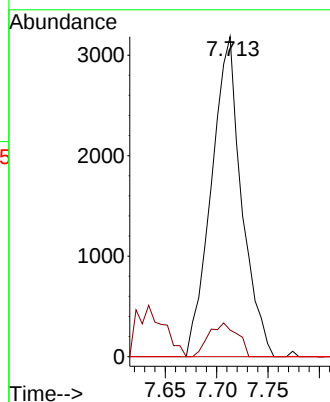
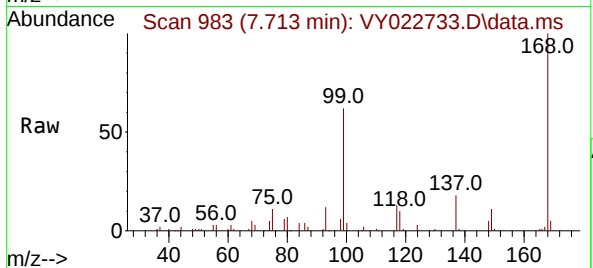
Tgt Ion: 75 Resp: 6525

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

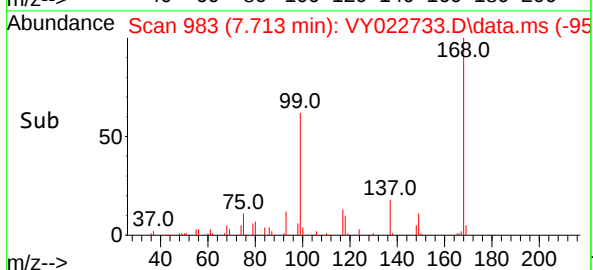
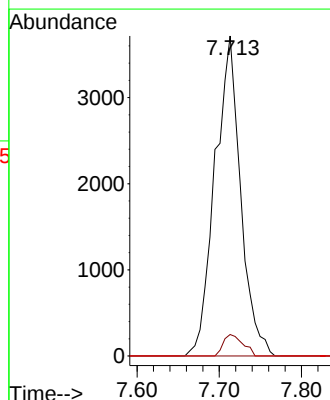
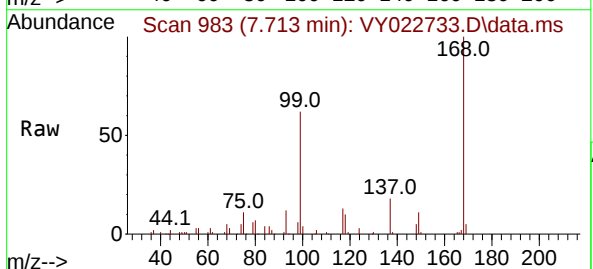
Tgt Ion: 117 Resp: 8058

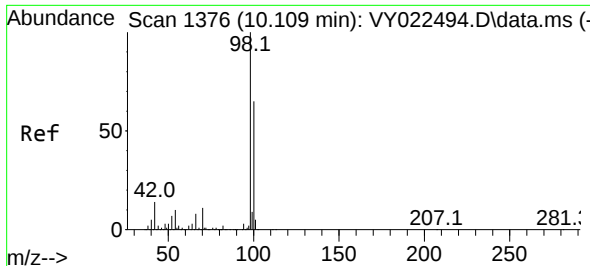
Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.6#

121 0.0 25.0 37.4#

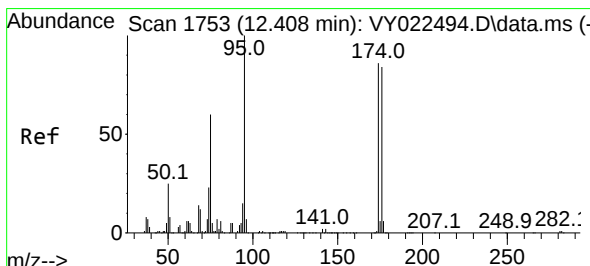
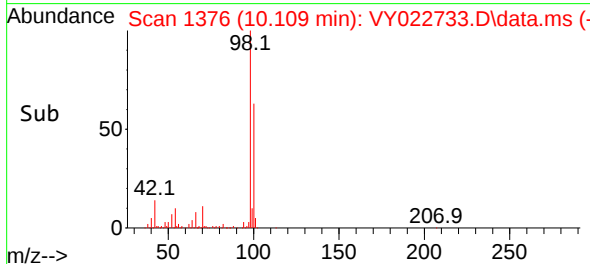
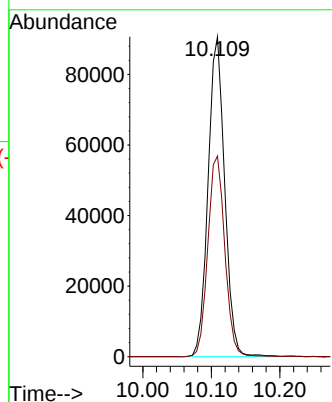
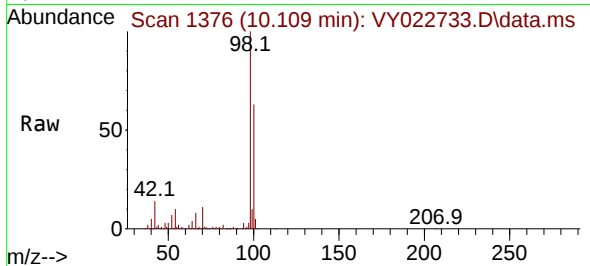




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

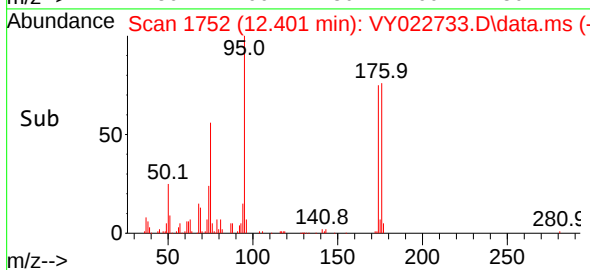
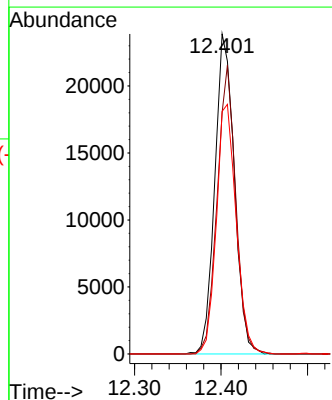
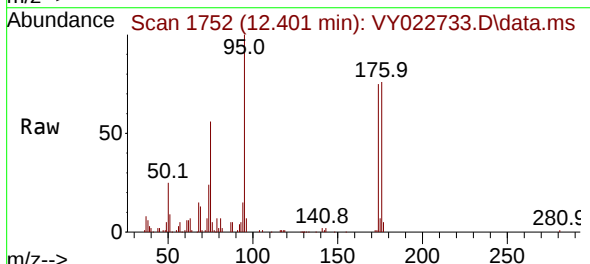
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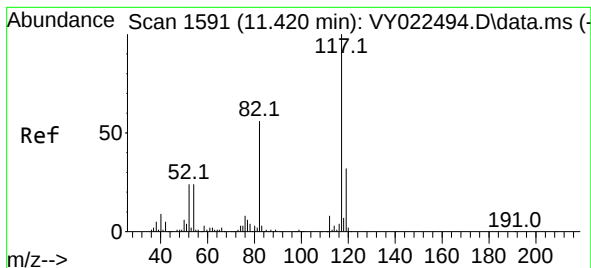
Tgt Ion: 98 Resp: 152751
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.849 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022733.D
Acq: 18 Jun 2025 12:16

Tgt Ion: 95 Resp: 37452
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.0
176 79.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-061625RE

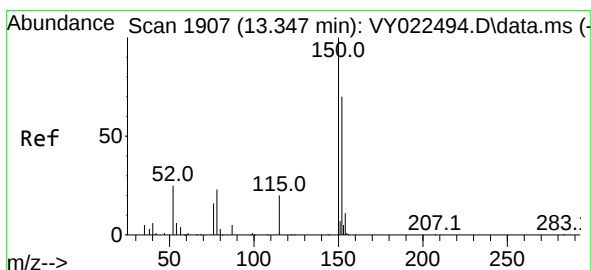
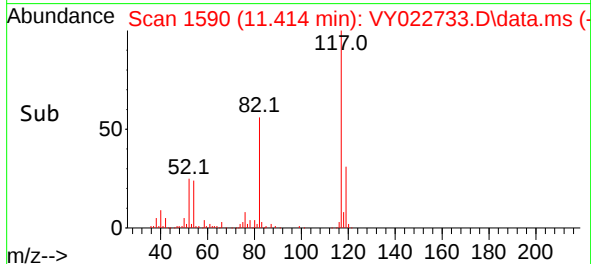
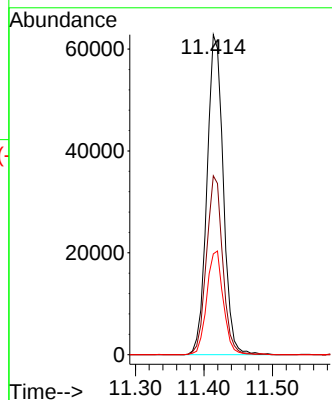
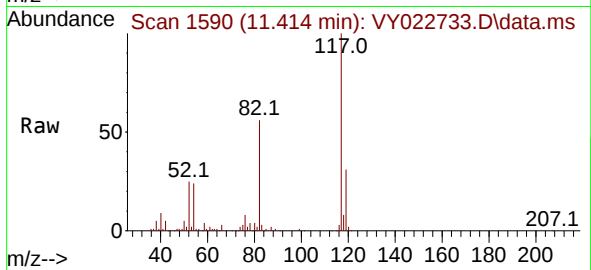
Tgt Ion:117 Resp: 103900

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

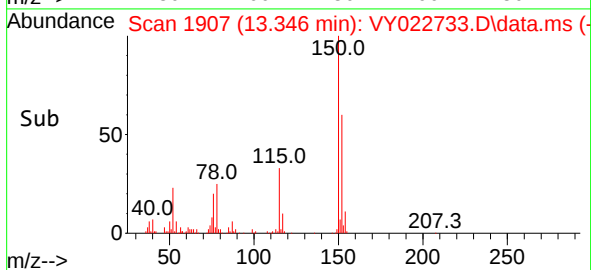
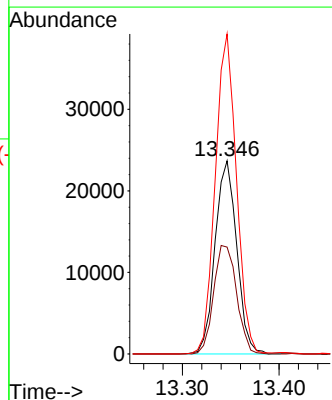
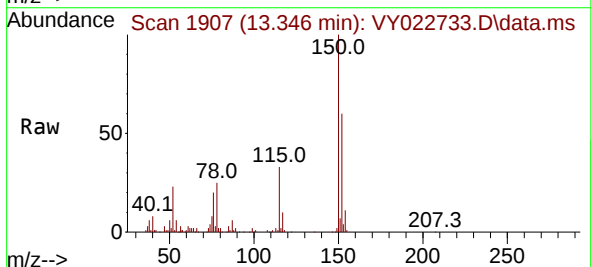
Tgt Ion:152 Resp: 36902

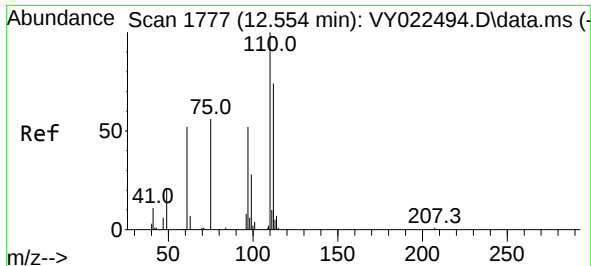
Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 161.3 0.0 349.6

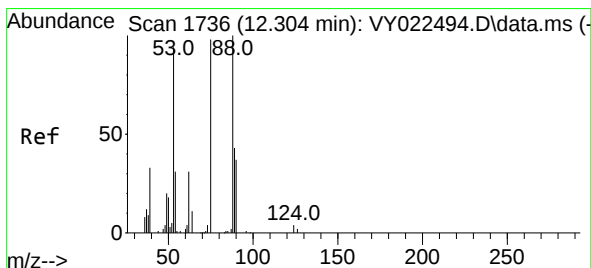
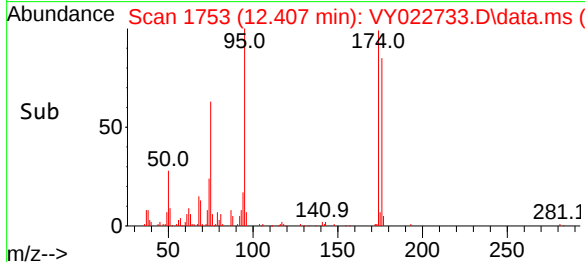
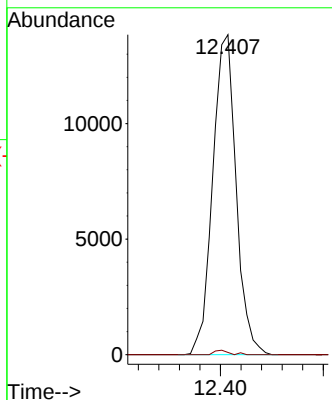
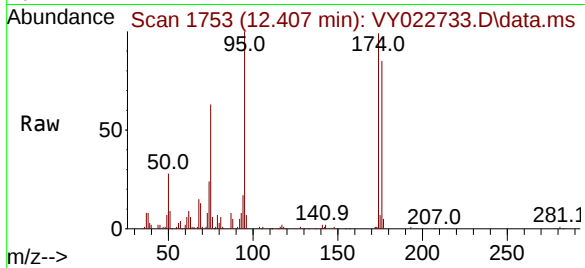




#76
 1,2,3-Trichloropropane
 Concen: 51.811 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022733.D
 Acq: 18 Jun 2025 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-061625RE

Tgt Ion: 75 Resp: 21873
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.119 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.103 min
 Lab File: VY022733.D
 Acq: 18 Jun 2025 12:16

Tgt Ion: 75 Resp: 21873
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.0 35.7 53.5#

