

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022311.D
 Acq On : 19 May 2025 12:15
 Operator : SY/MD
 Sample : Q2048-07
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-2-VOC

Quant Time: May 20 01:12:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

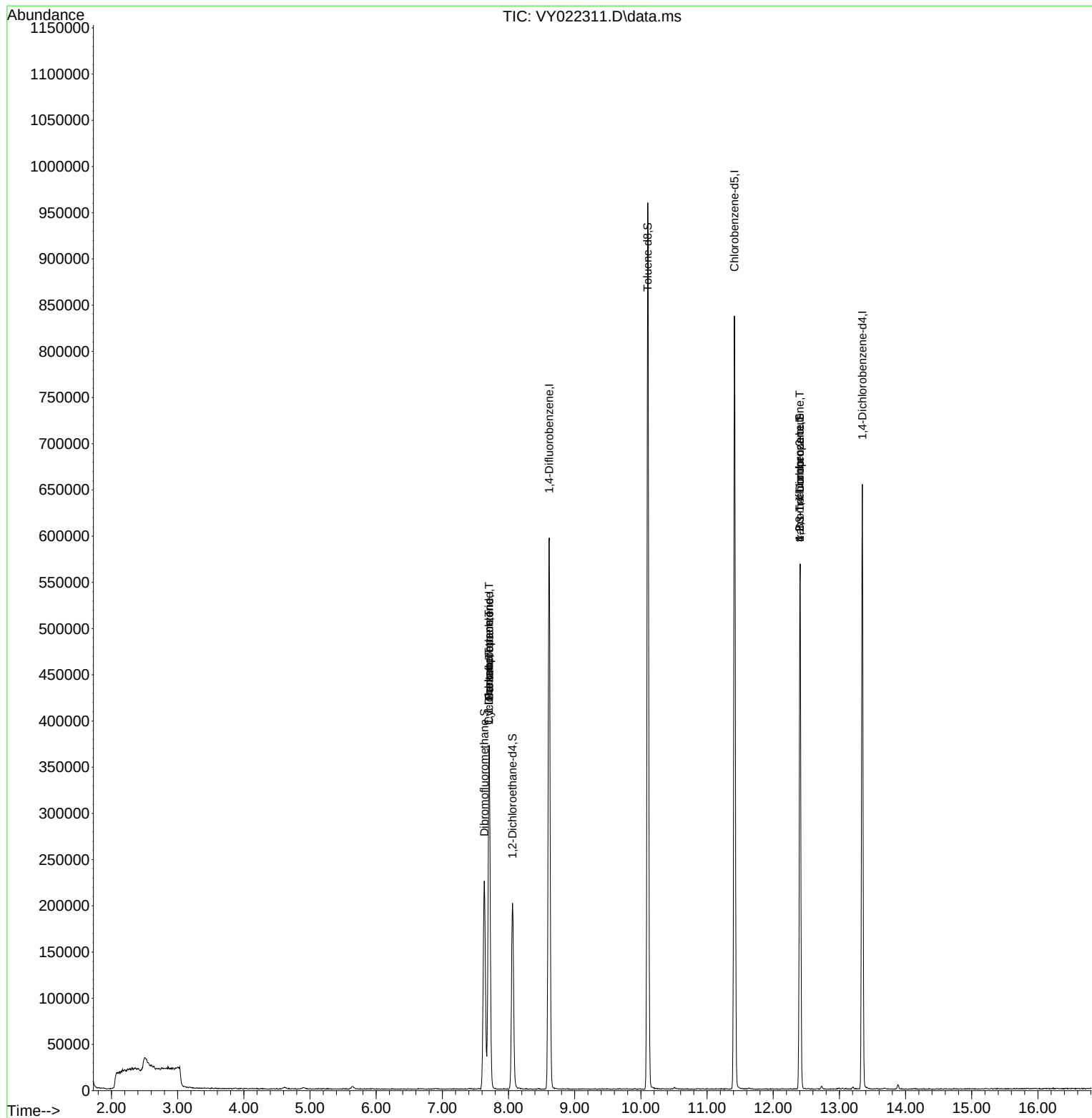
Internal Standards						
1) Pentafluorobenzene	7.707	168	281523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	507821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151923	49.377	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.760%			
35) Dibromofluoromethane	7.634	113	152596	50.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.103	98	600833	48.401	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.800%			
62) 4-Bromofluorobenzene	12.401	95	158110	40.184	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.360%			
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	7860	1.263	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	23885	4.784	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28614	5.537	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	91556	60.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	91556	122.008	ug/l #	12

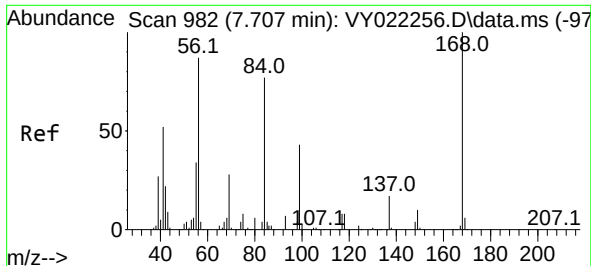
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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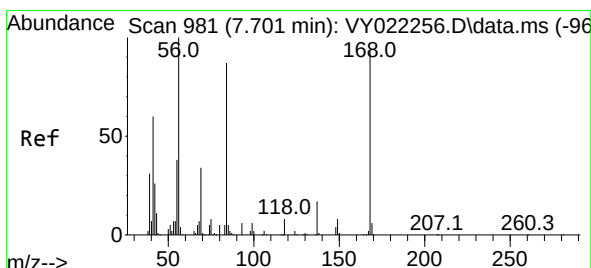
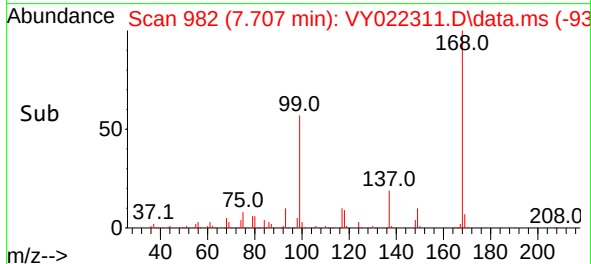
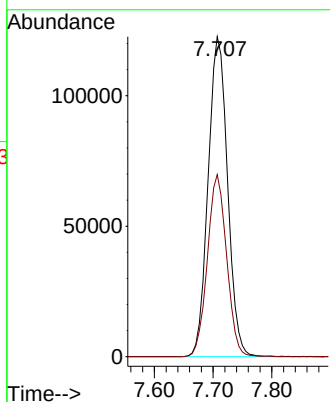
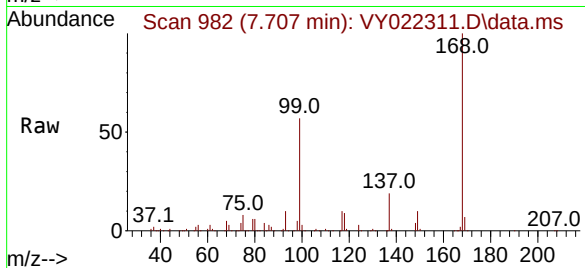




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

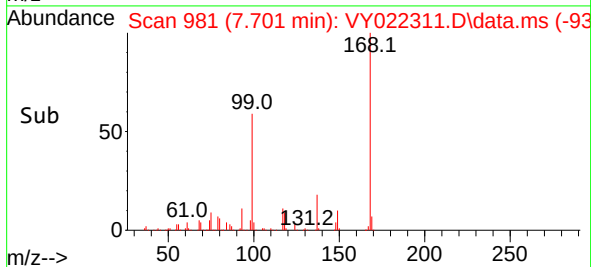
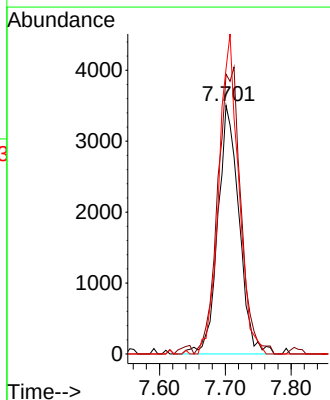
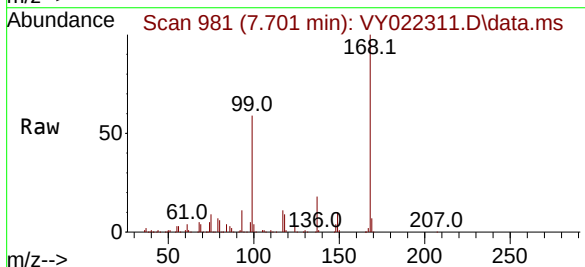
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-2-VOC

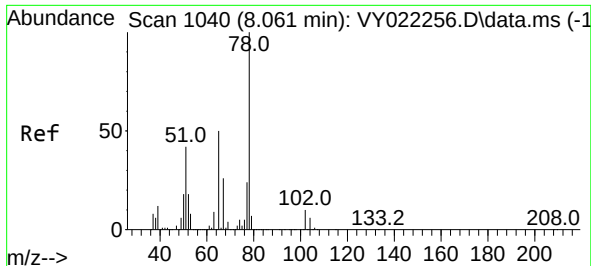
Tgt Ion:168 Resp: 281523
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion: 56 Resp: 7860
Ion Ratio Lower Upper
56 100
69 112.6 27.4 41.2#
84 114.8 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.377 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022311.D

Acq: 19 May 2025 12:15

Instrument :

MSVOA_Y

ClientSampleId :

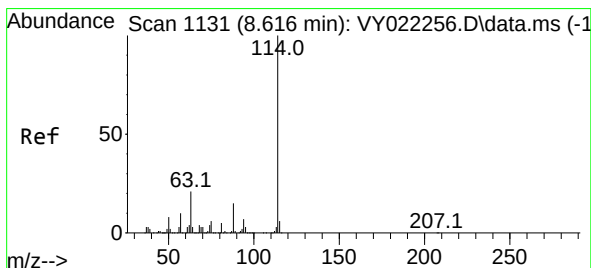
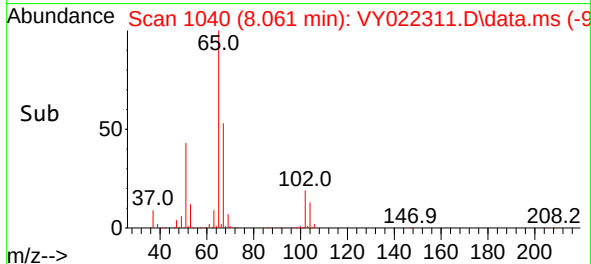
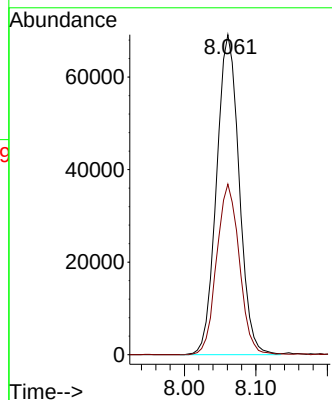
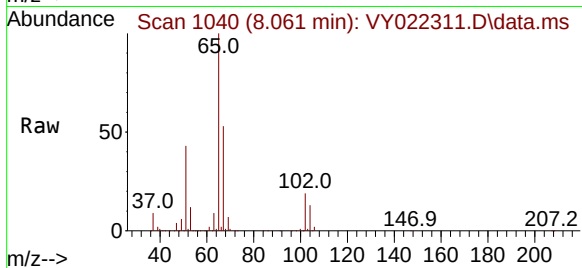
L2-WC-2-VOC

Tgt Ion: 65 Resp: 151923

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022311.D

Acq: 19 May 2025 12:15

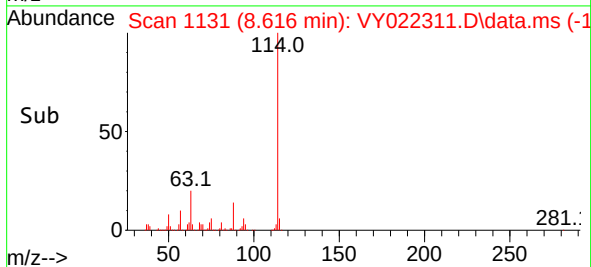
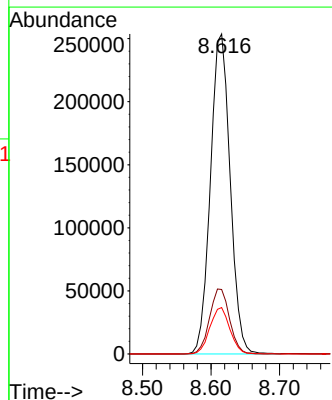
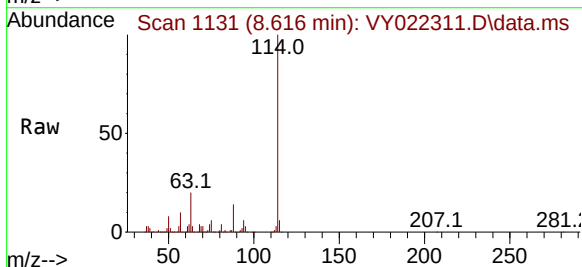
Tgt Ion: 114 Resp: 507821

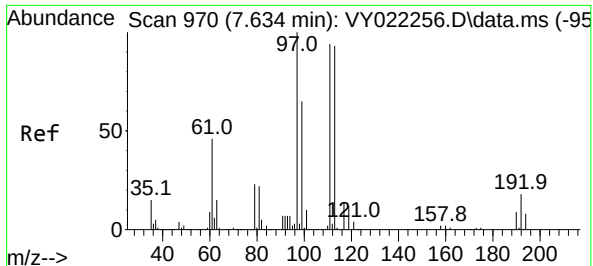
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.5 0.0 29.4

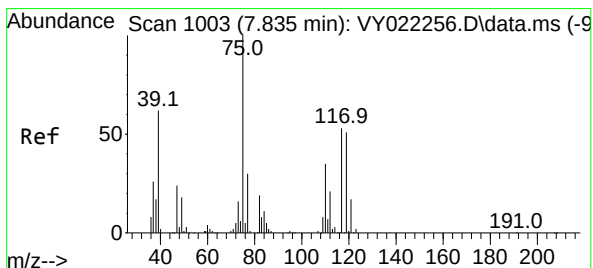
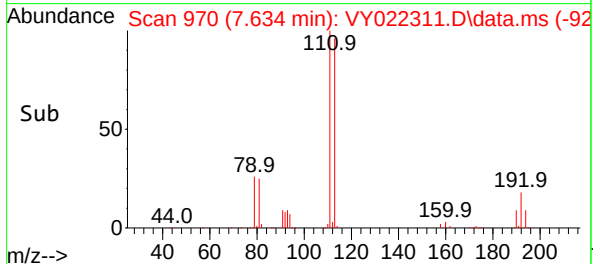
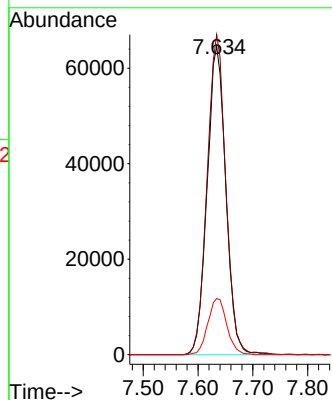
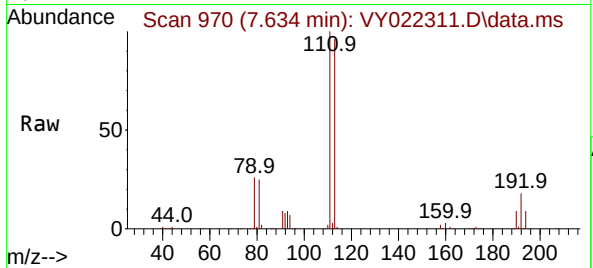




#35
 Dibromofluoromethane
 Concen: 50.346 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY022311.D
 Acq: 19 May 2025 12:15

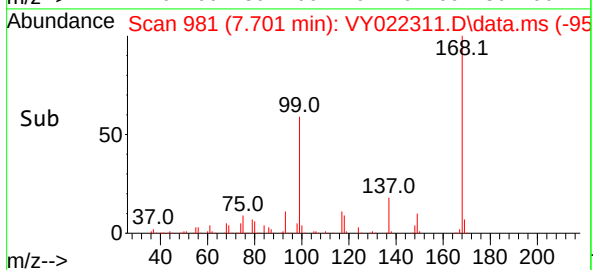
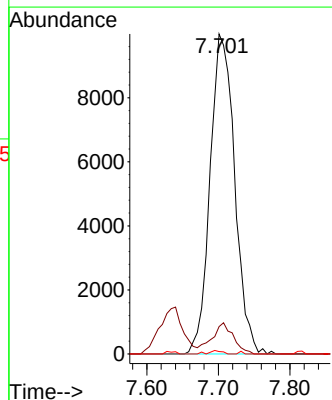
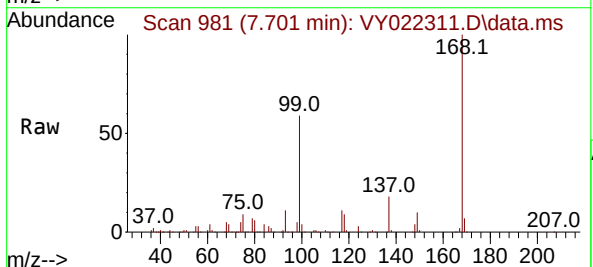
Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-2-VOC

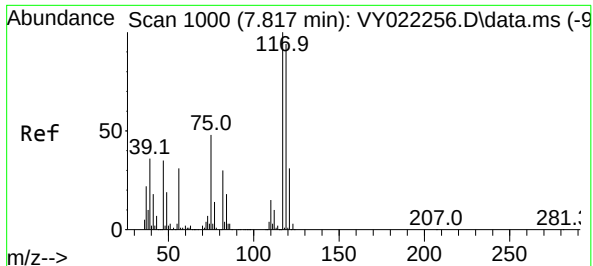
Tgt Ion:113 Resp: 152596
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.6 123.8
 192 18.5 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.134 min
 Lab File: VY022311.D
 Acq: 19 May 2025 12:15

Tgt Ion: 75 Resp: 23885
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.8#
 77 0.6 24.6 37.0#

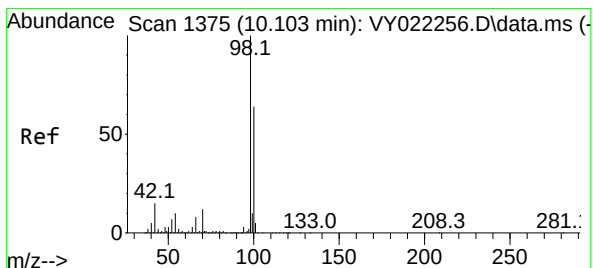
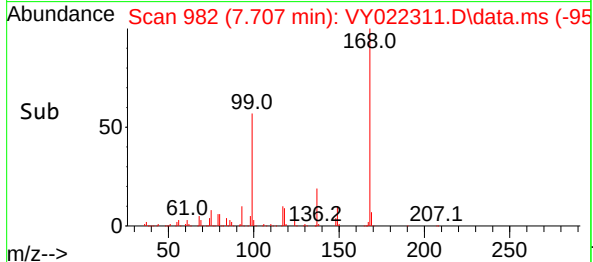
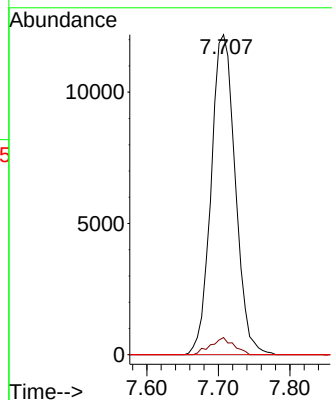
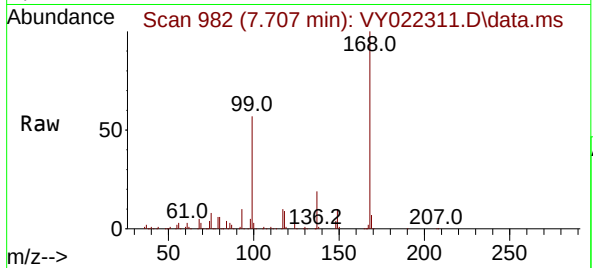




#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.110 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

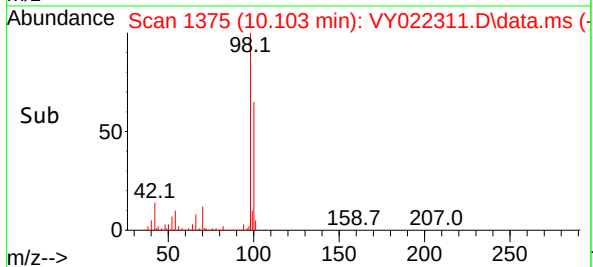
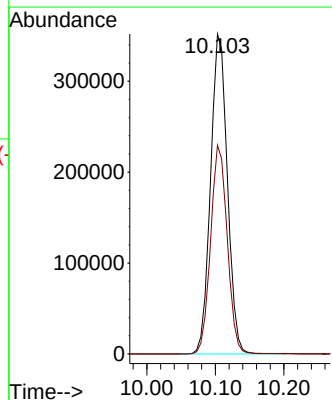
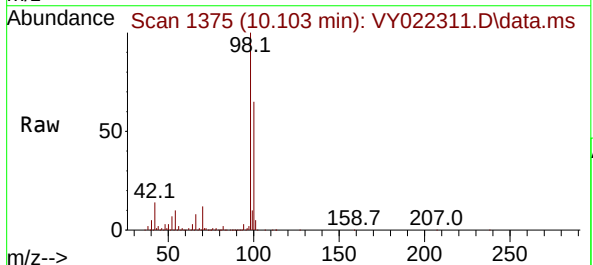
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-2-VOC

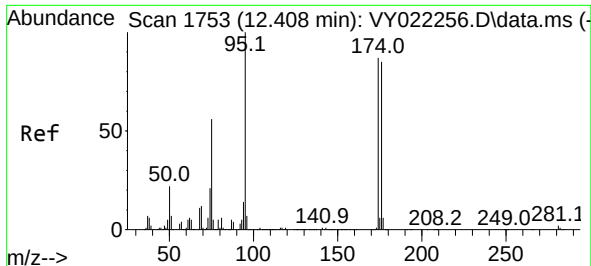
Tgt Ion:117 Resp: 28614
Ion Ratio Lower Upper
117 100
119 5.4 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion: 98 Resp: 600833
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

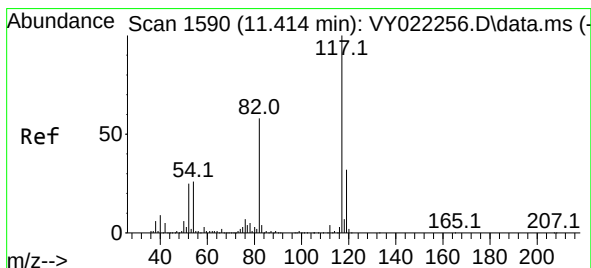
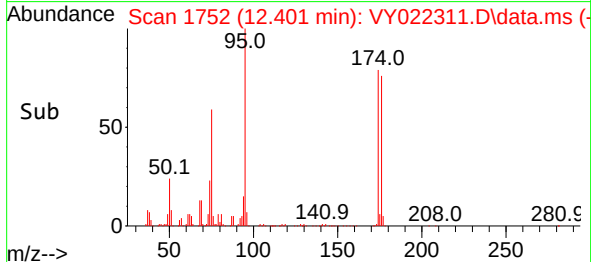
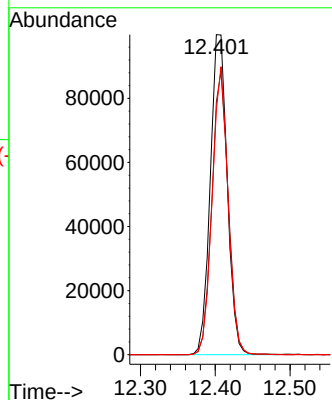
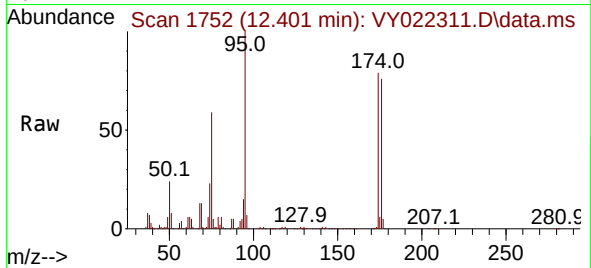




#62
4-Bromofluorobenzene
Concen: 40.184 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

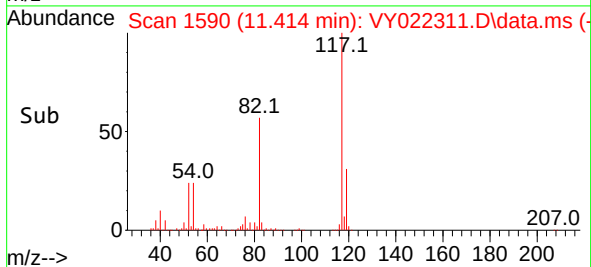
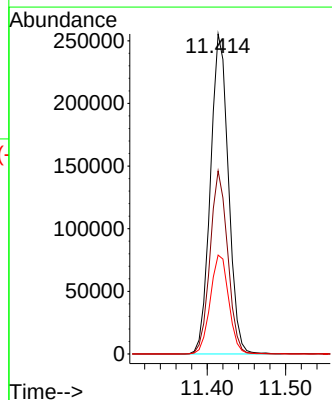
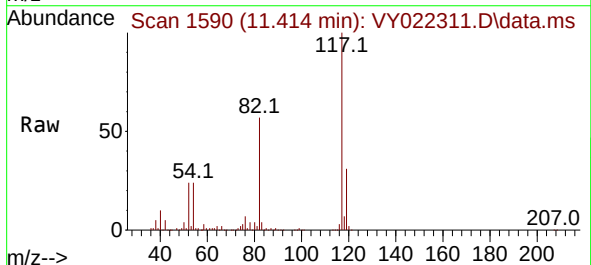
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ClientSampleId :
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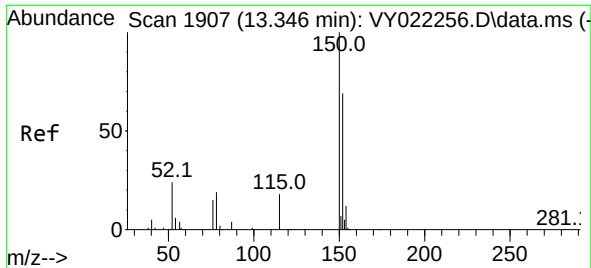
Tgt Ion: 95 Resp: 158110
Ion Ratio Lower Upper
95 100
174 85.4 0.0 166.8
176 84.1 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion: 117 Resp: 406930
Ion Ratio Lower Upper
117 100
82 57.2 46.6 70.0
119 30.9 25.8 38.6

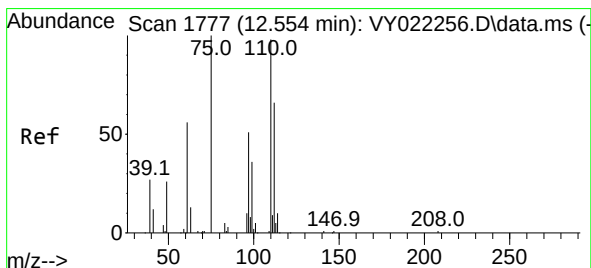
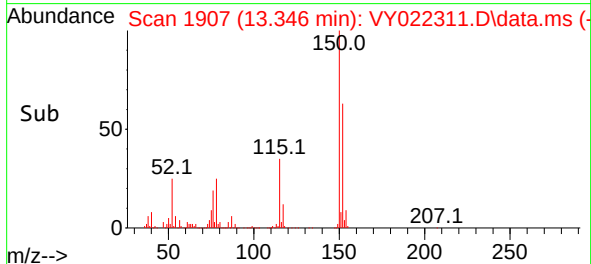
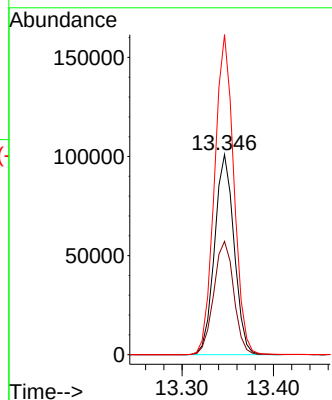
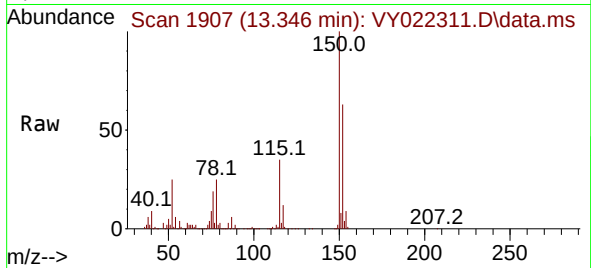




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022311.D
 Acq: 19 May 2025 12:15

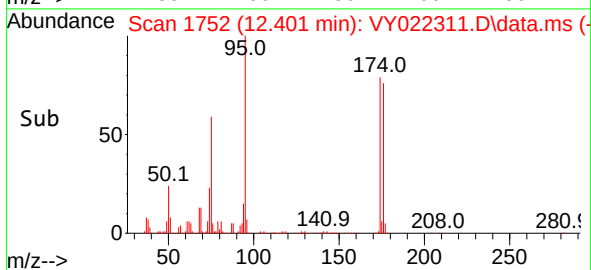
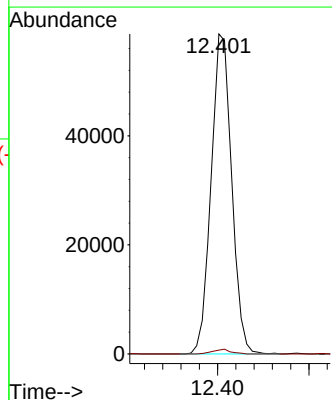
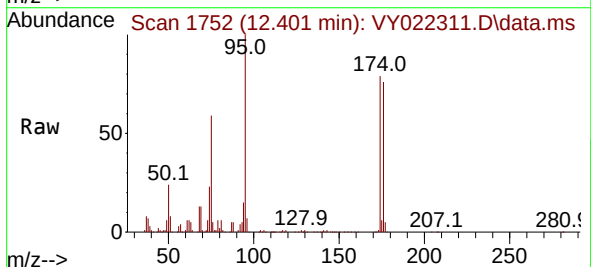
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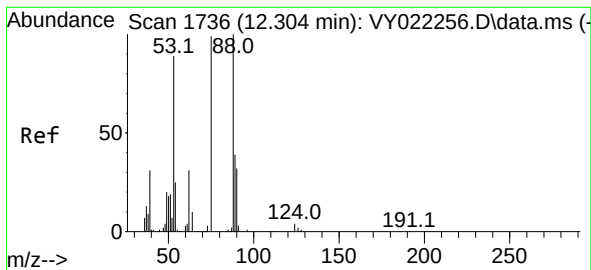
Tgt Ion:152 Resp: 150048
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.4 88.2
 150 158.5 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 60.229 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022311.D
 Acq: 19 May 2025 12:15

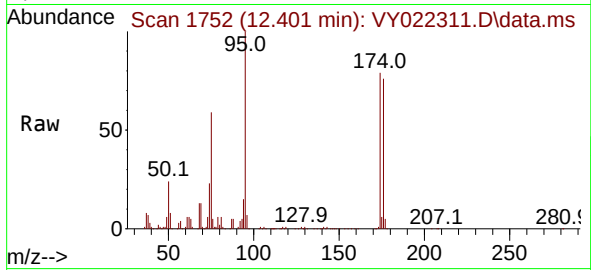
Tgt Ion: 75 Resp: 91556
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.008 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022311.D
 Acq: 19 May 2025 12:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-2-VOC



Tgt Ion: 75 Resp: 91556
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

