

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022482.D
 Acq On : 30 May 2025 16:38
 Operator : SY/MD
 Sample : Q2173-08
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-24

Quant Time: May 31 02:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

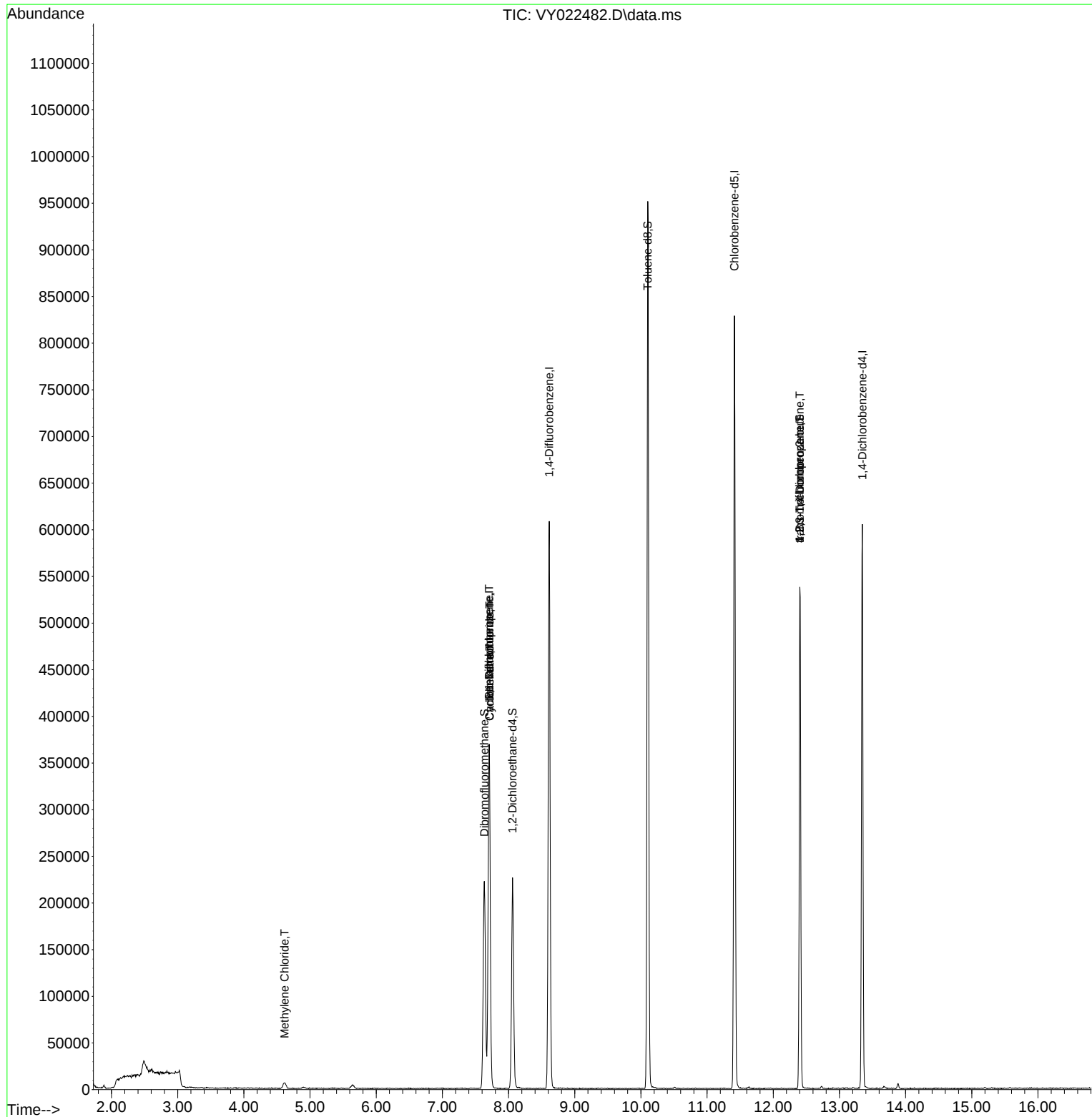
Internal Standards						
1) Pentafluorobenzene	7.707	168	271635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	496811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	401551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161042	56.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.580%	
35) Dibromofluoromethane	7.634	113	152839	52.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.060%	
50) Toluene-d8	10.103	98	599560	50.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	12.401	95	152418	42.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.960%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	4102	1.236	ug/l #	88
31) Cyclohexane	7.713	56	7429	1.350	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	24163	5.234	ug/l #	50
38) Carbon Tetrachloride	7.713	117	28225	5.869	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	89011	63.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	89011	144.011	ug/l #	12

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

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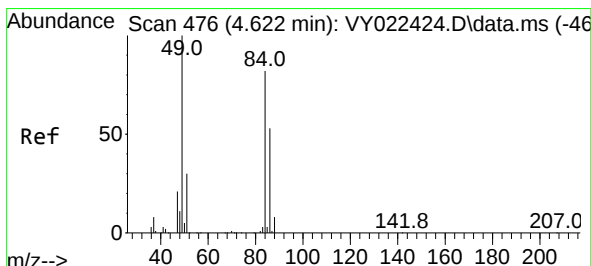
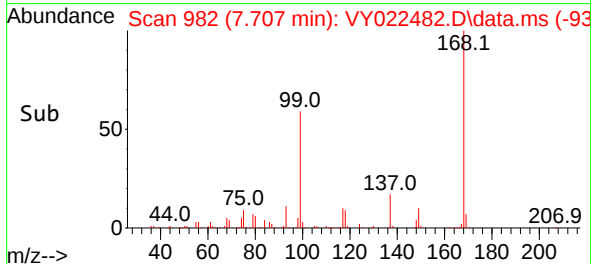
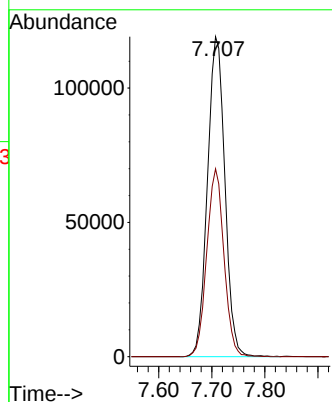
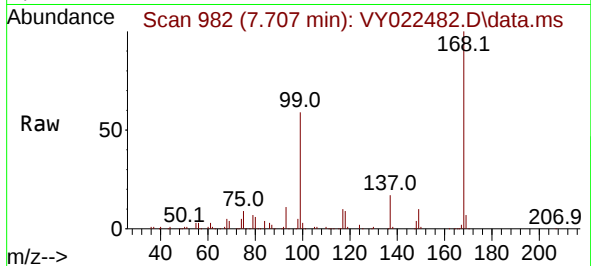




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

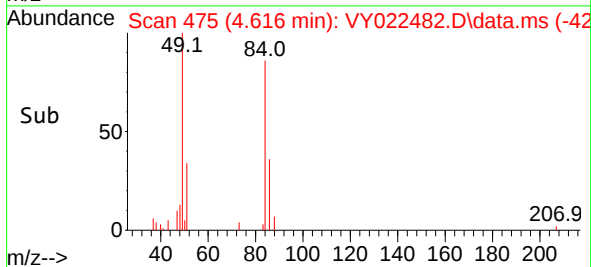
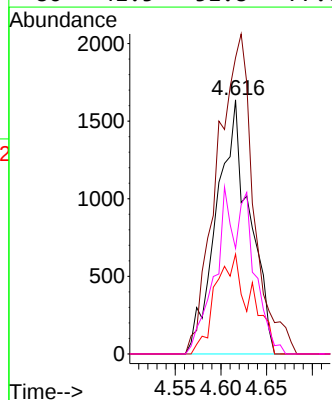
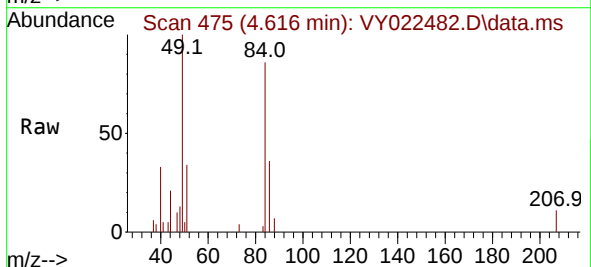
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-24

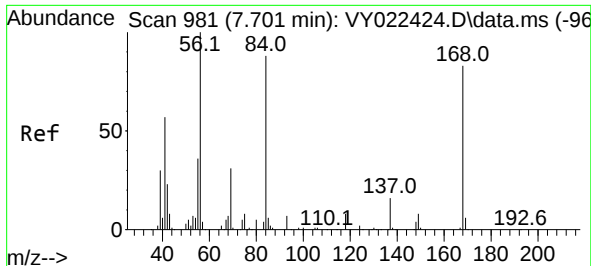
Tgt Ion:168 Resp: 271635
Ion Ratio Lower Upper
168 100
99 58.7 44.7 67.1



#20
Methylene Chloride
Concen: 1.236 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 84 Resp: 4102
Ion Ratio Lower Upper
84 100
49 116.6 97.8 146.8
51 39.3 29.5 44.3
86 41.5 51.8 77.6#

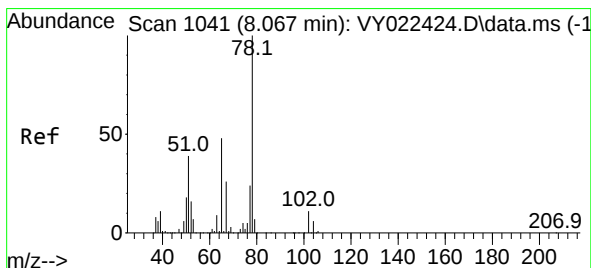
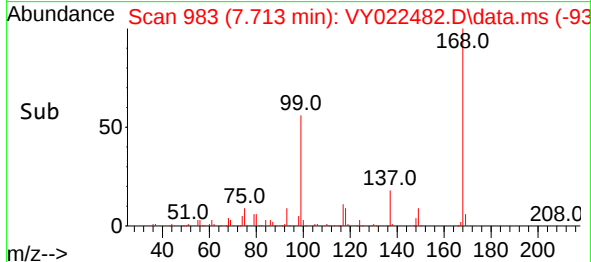
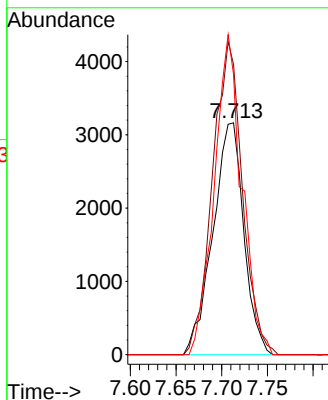
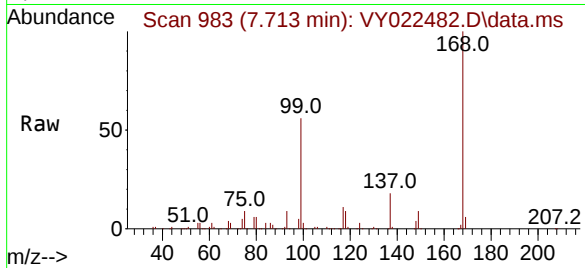




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

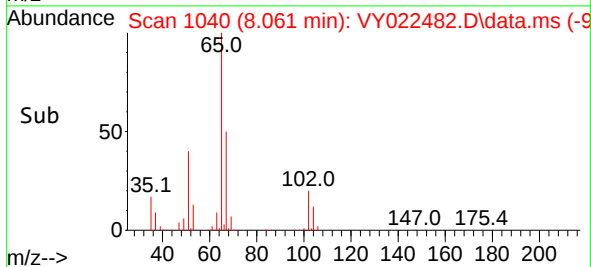
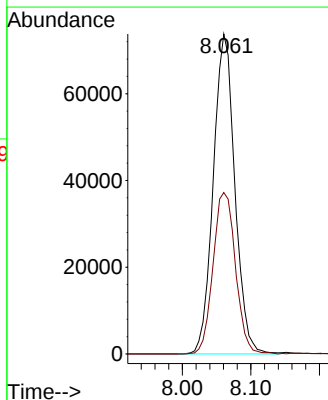
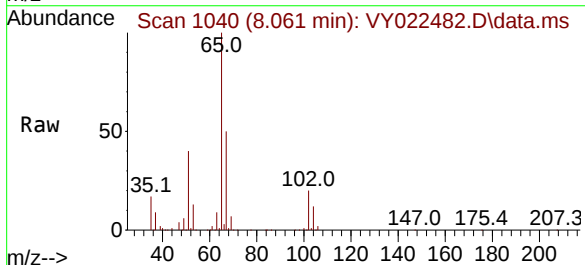
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-24

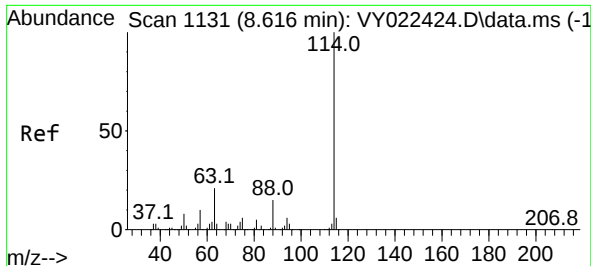
Tgt Ion: 56 Resp: 7429
Ion Ratio Lower Upper
56 100
69 125.1 24.6 36.8#
84 120.8 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 56.286 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 65 Resp: 161042
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4

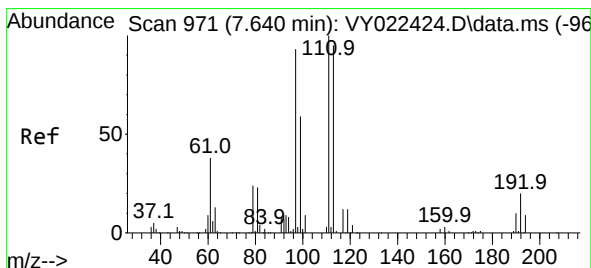
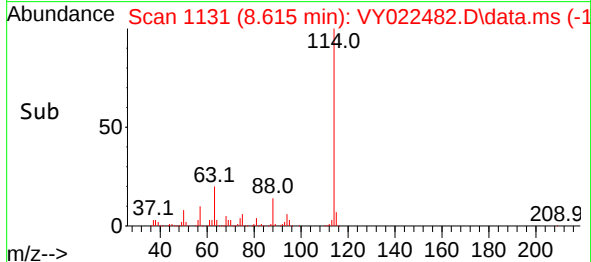
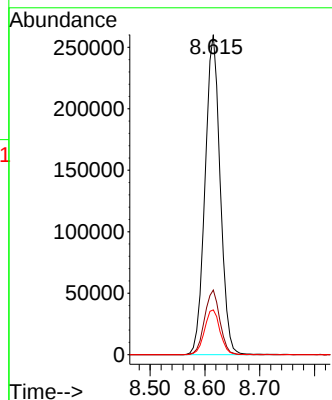
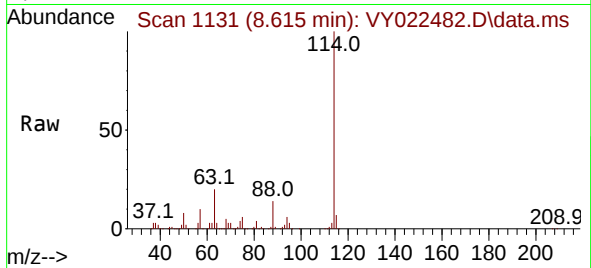




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

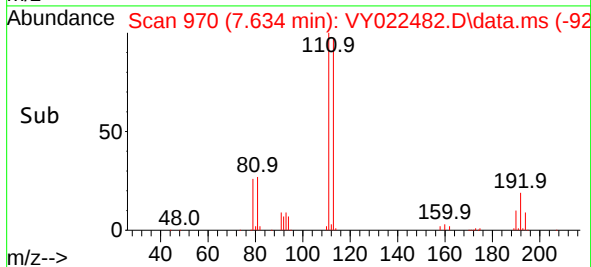
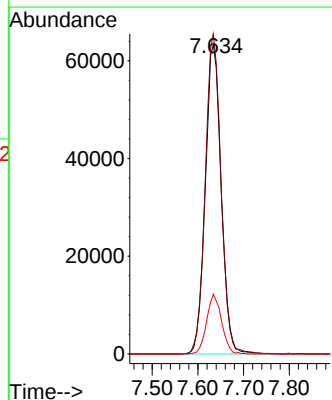
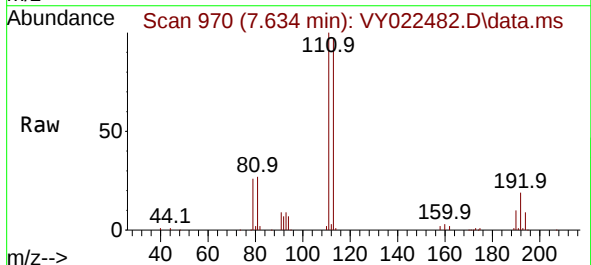
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-24

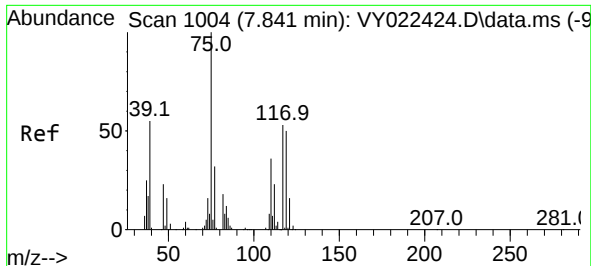
Tgt Ion:114 Resp: 496811
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 14.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 52.531 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion:113 Resp: 152839
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022482.D

Acq: 30 May 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

OR-400-CF-402B-VOC-24

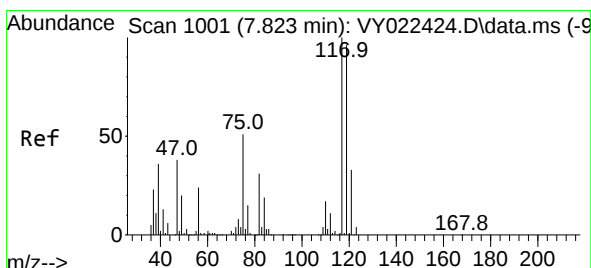
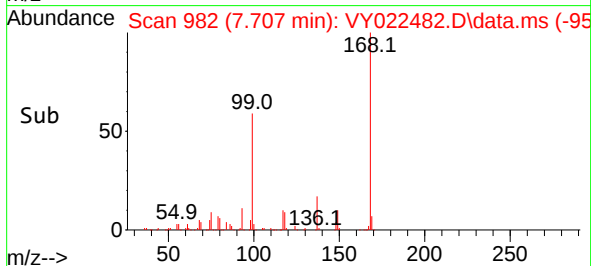
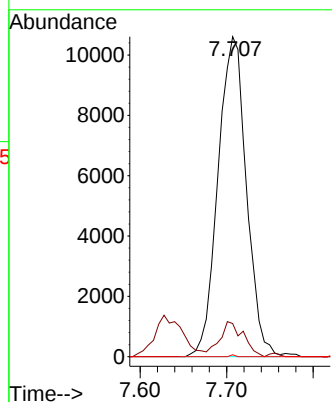
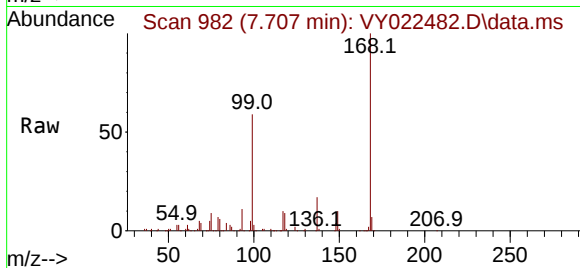
Tgt Ion: 75 Resp: 24163

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022482.D

Acq: 30 May 2025 16:38

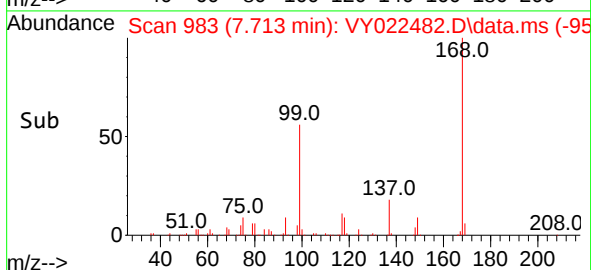
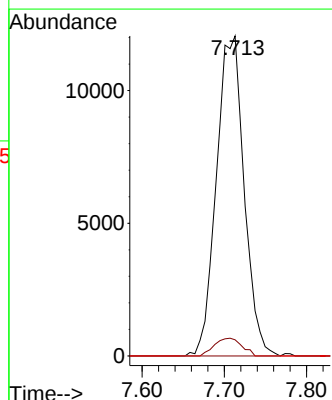
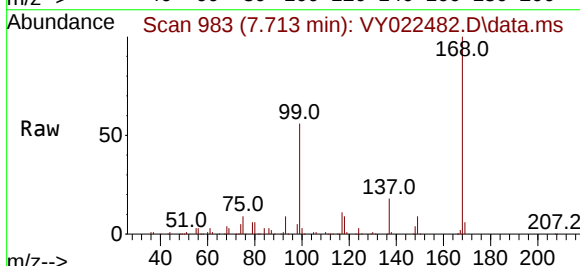
Tgt Ion: 117 Resp: 28225

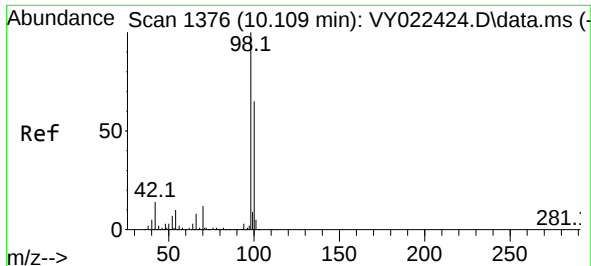
Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

121 0.0 26.1 39.1#

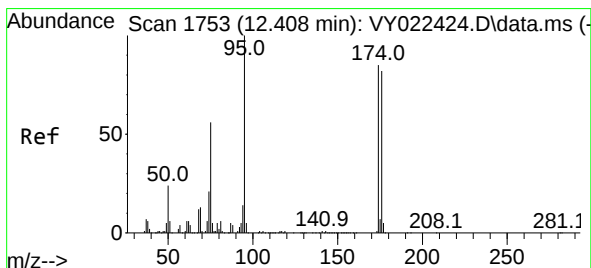
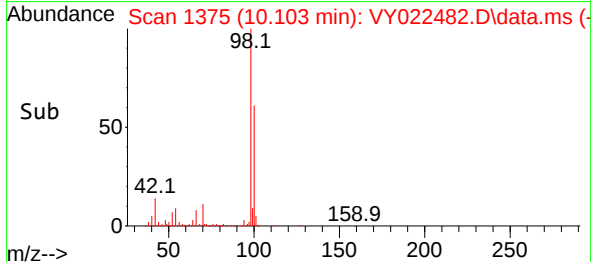
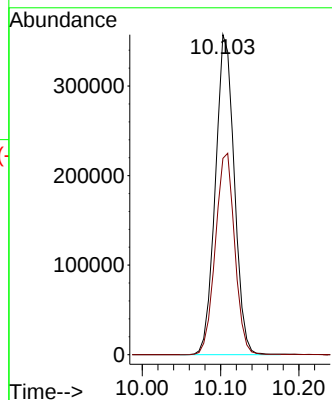
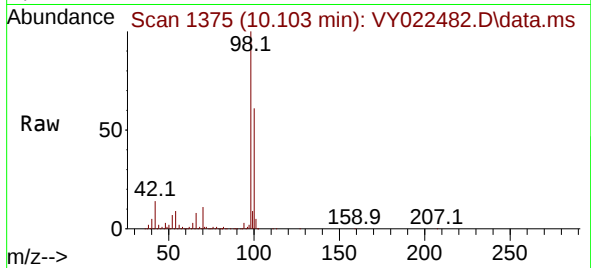




#50
Toluene-d8
Concen: 50.550 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

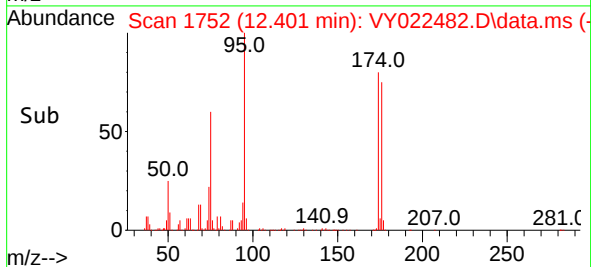
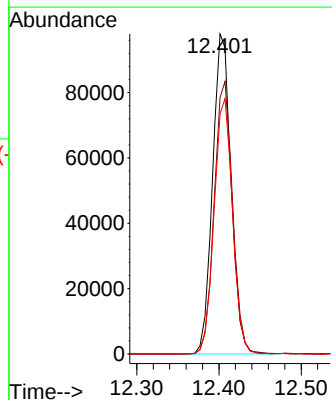
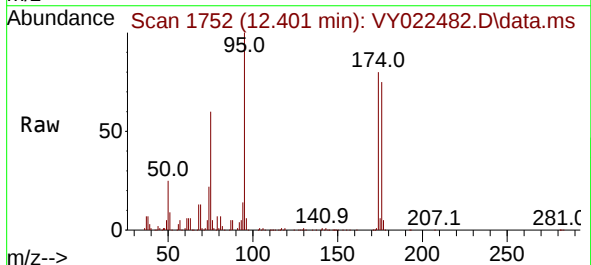
Instrument :
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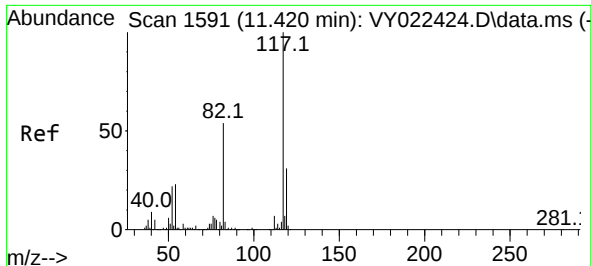
Tgt Ion: 98 Resp: 599560
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.484 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 95 Resp: 152418
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 79.7 0.0 164.6

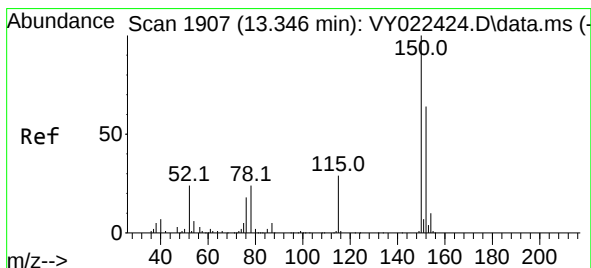
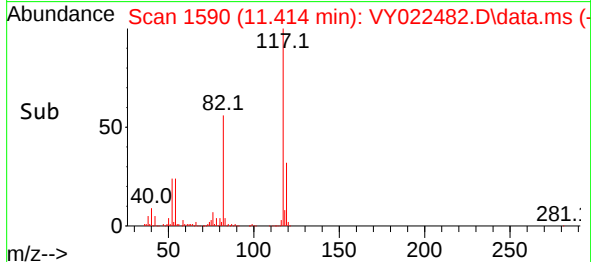
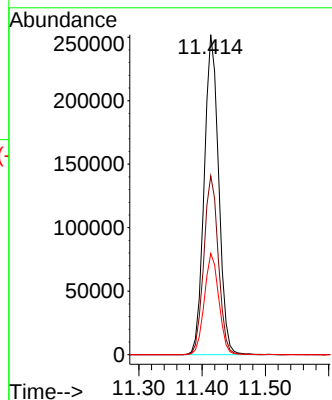
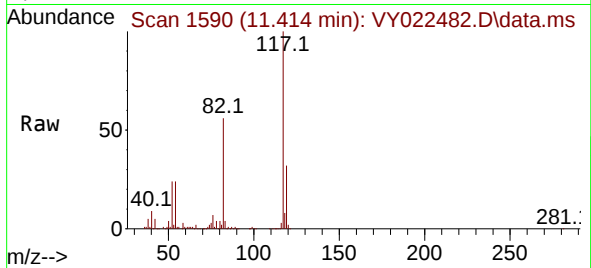




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

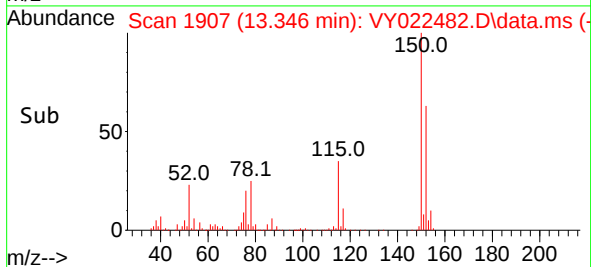
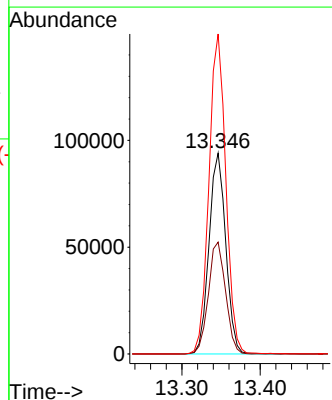
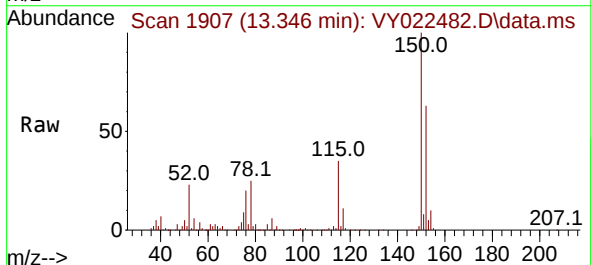
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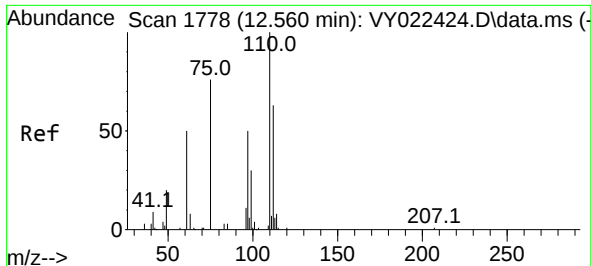
Tgt Ion:117 Resp: 401551
Ion Ratio Lower Upper
117 100
82 55.9 43.3 64.9
119 31.6 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion:152 Resp: 139545
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.3
150 160.3 0.0 345.8

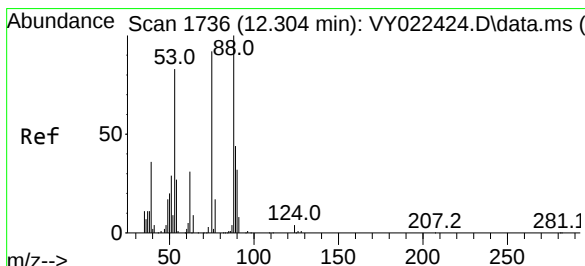
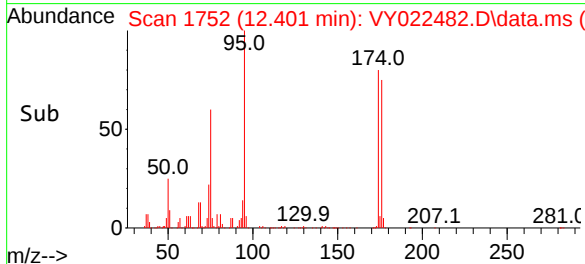
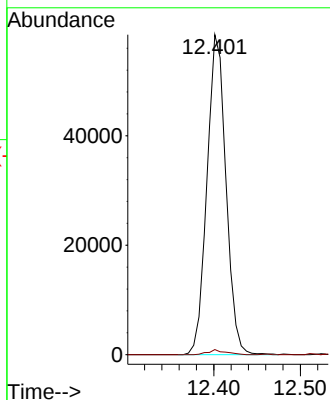
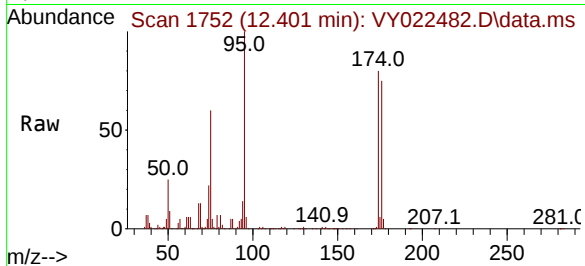




#76
1,2,3-Trichloropropane
Concen: 63.681 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-24

Tgt Ion: 75 Resp: 89011
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.011 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022482.D
Acq: 30 May 2025 16:38

Tgt Ion: 75 Resp: 89011
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.0 37.4 56.0#

