

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022649.D
 Acq On : 10 Jun 2025 14:42
 Operator : SY/MD
 Sample : Q2278-03
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Jun 11 01:52:09 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)

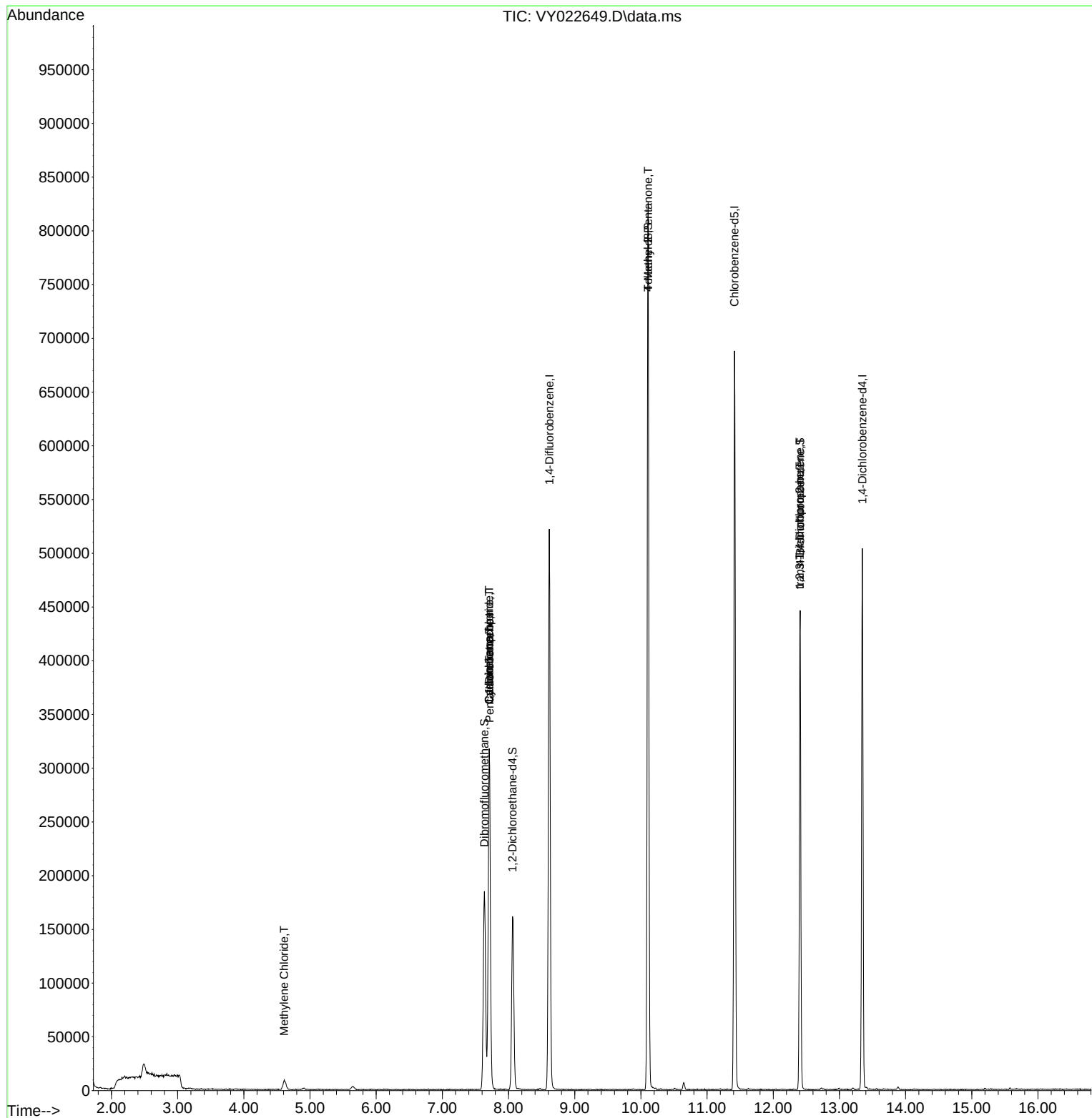
Internal Standards						
1) Pentafluorobenzene	7.713	168	229319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	334421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	112387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122970	47.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.900%
35) Dibromofluoromethane	7.634	113	127793	50.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.109	98	511700	49.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.408	95	119556	38.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	5719	1.933	ug/l #	93
31) Cyclohexane	7.707	56	6737	1.367	ug/l #	44
36) 1,1-Dichloropropene	7.707	75	21278	5.130	ug/l #	49
38) Carbon Tetrachloride	7.707	117	23990	5.638	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2605	1.308	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	72729	56.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	72729	136.602	ug/l #	10

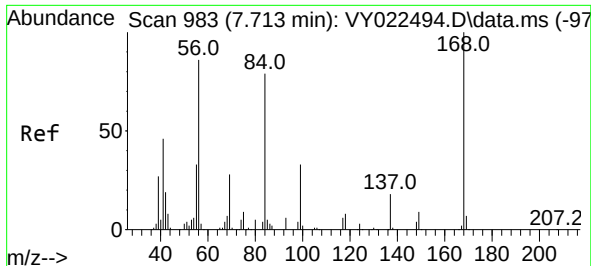
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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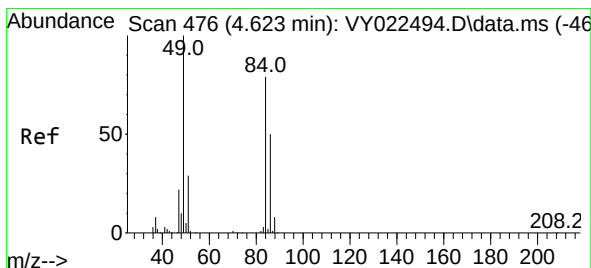
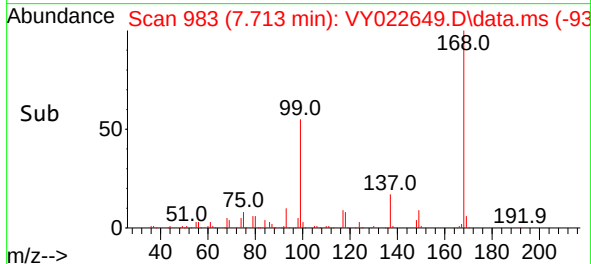
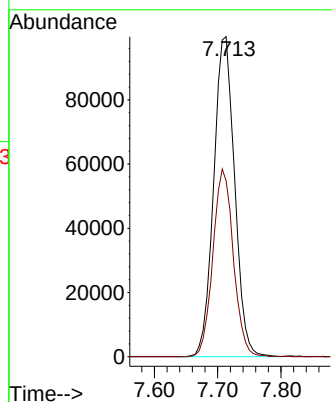
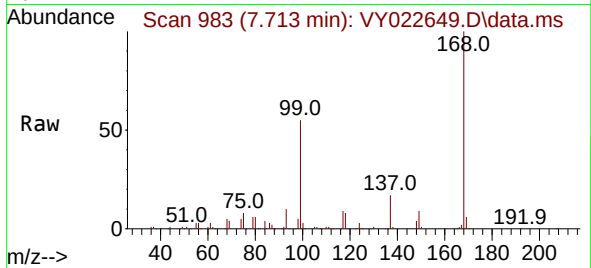




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

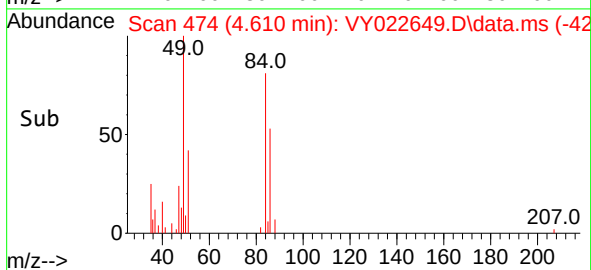
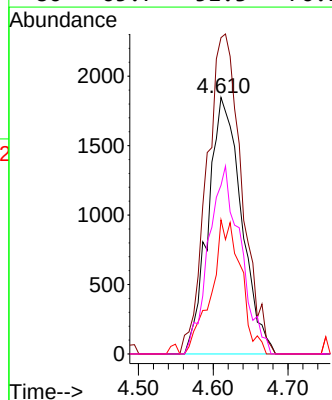
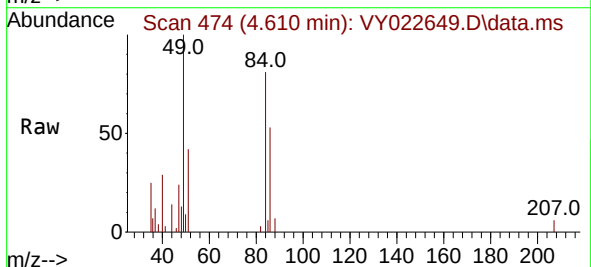
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

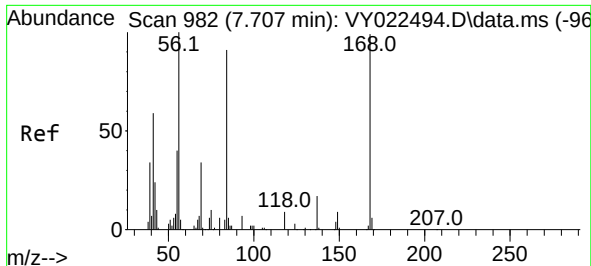
Tgt Ion:168 Resp: 229319
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#20
Methylene Chloride
Concen: 1.933 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 84 Resp: 5719
Ion Ratio Lower Upper
84 100
49 123.3 101.9 152.9
51 52.2 29.8 44.8#
86 65.7 51.3 76.9

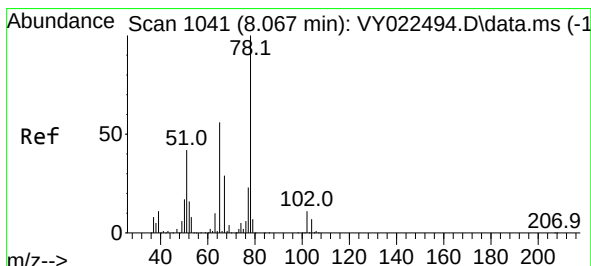
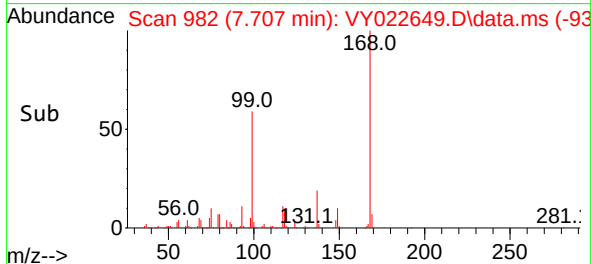
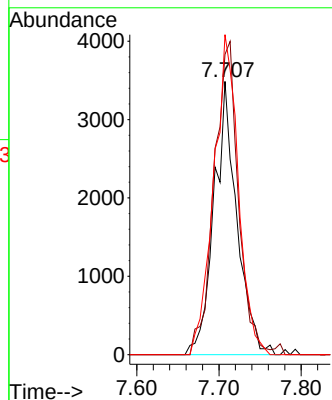
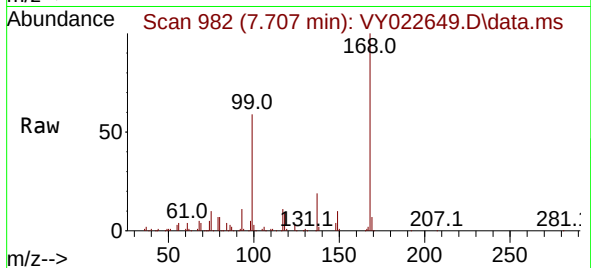




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

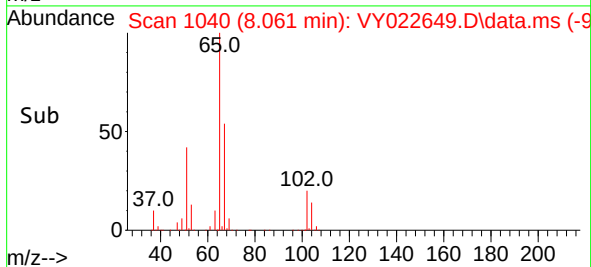
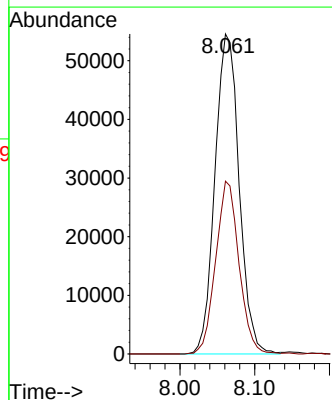
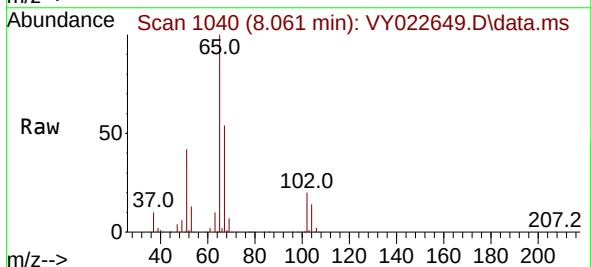
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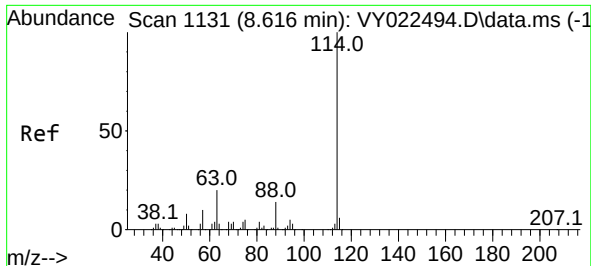
Tgt Ion: 56 Resp: 6737
Ion Ratio Lower Upper
56 100
69 110.0 27.0 40.6#
84 117.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 47.945 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 65 Resp: 122970
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4

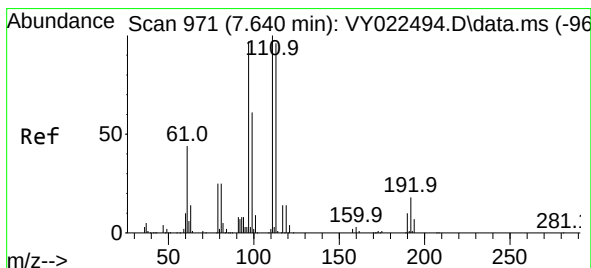
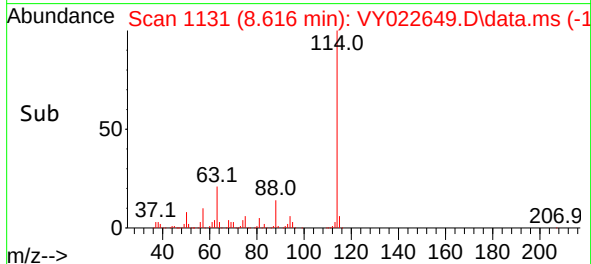
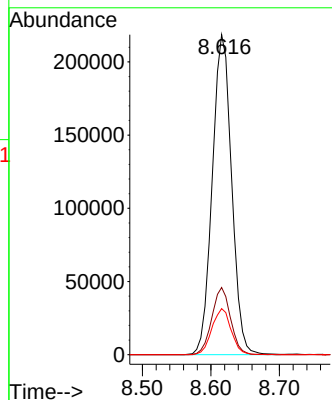
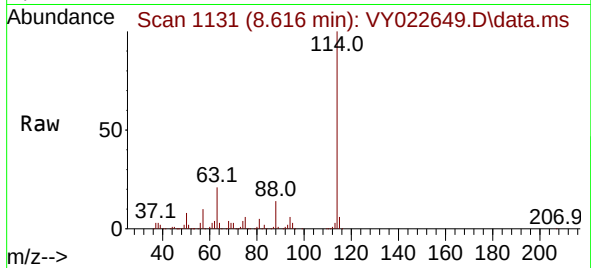




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

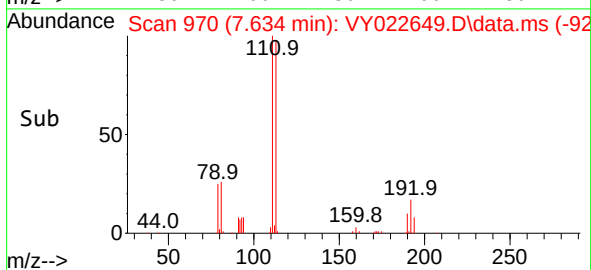
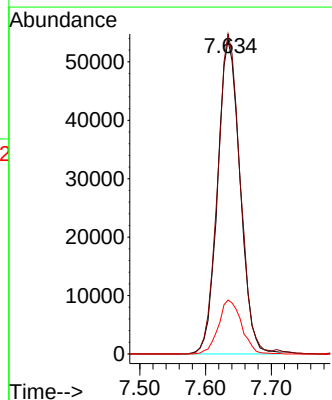
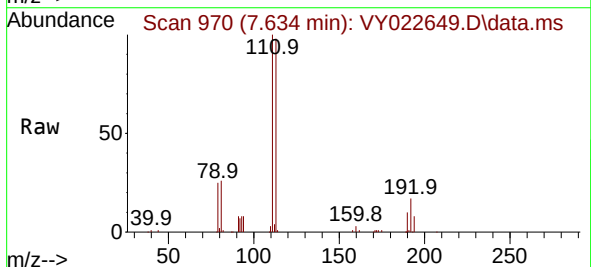
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

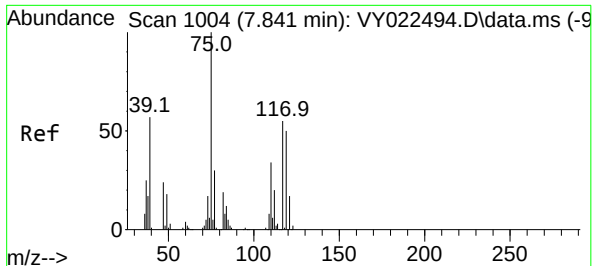
Tgt Ion:114 Resp: 428162
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.005 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion:113 Resp: 127793
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022649.D

Acq: 10 Jun 2025 14:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

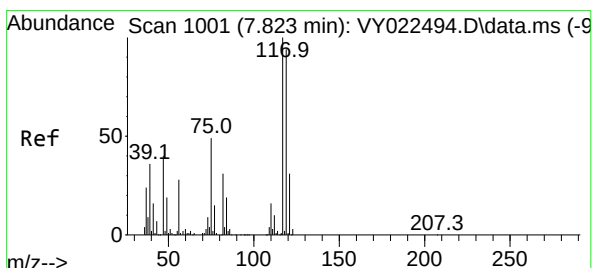
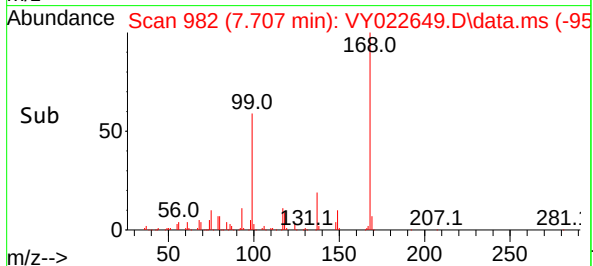
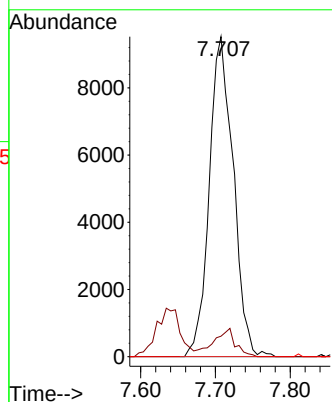
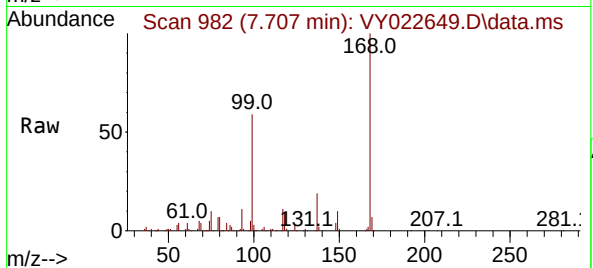
Tgt Ion: 75 Resp: 21278

Ion Ratio Lower Upper

75 100

110 7.8 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022649.D

Acq: 10 Jun 2025 14:42

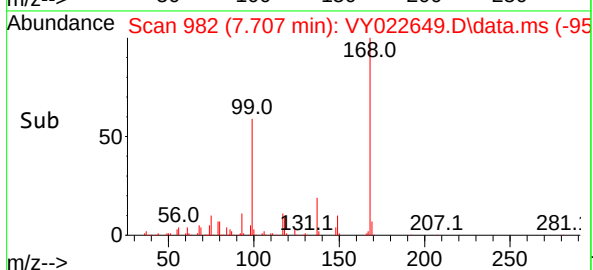
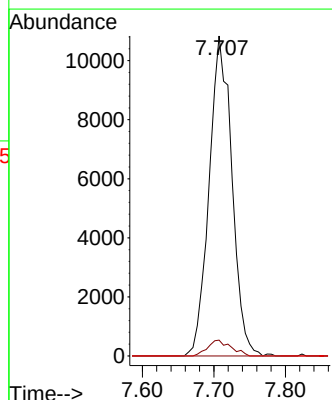
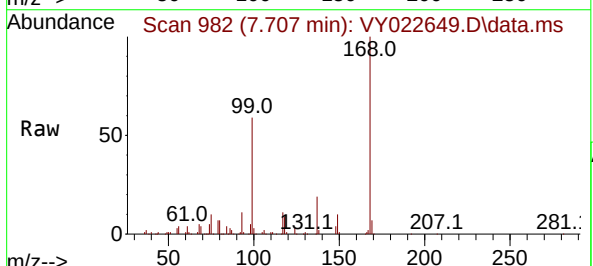
Tgt Ion: 117 Resp: 23990

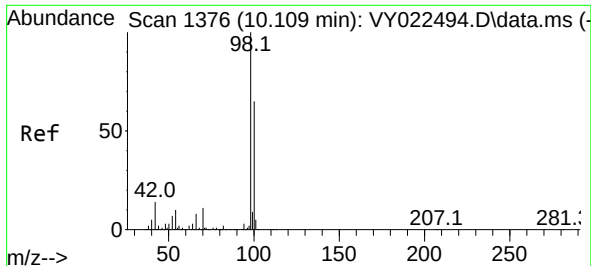
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#

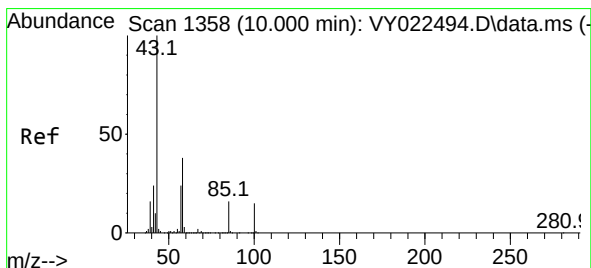
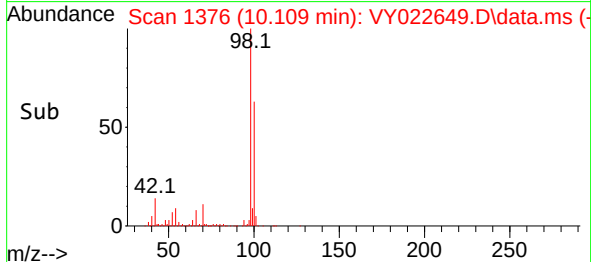
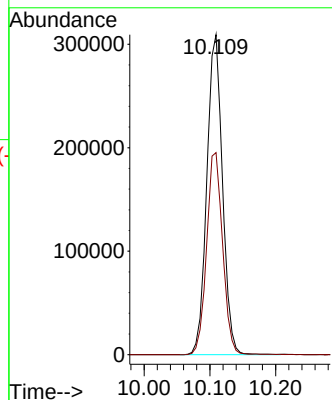
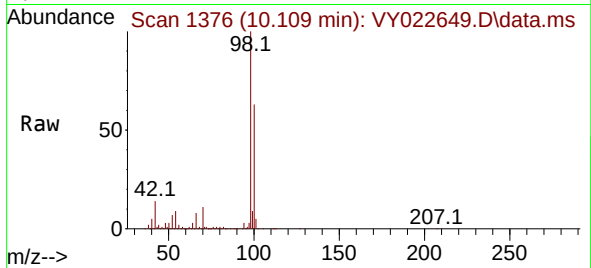




#50
Toluene-d8
Concen: 49.553 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

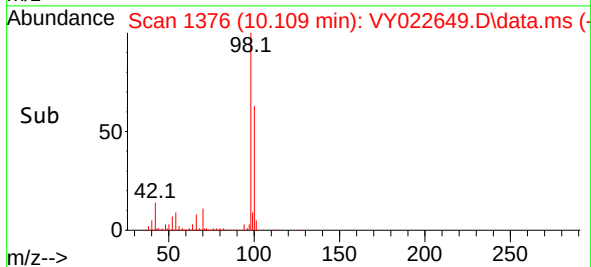
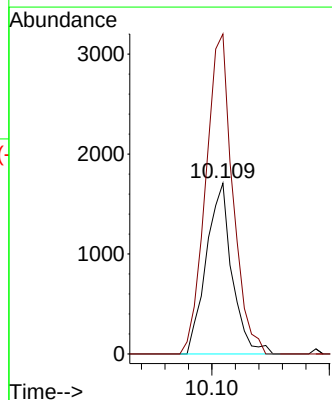
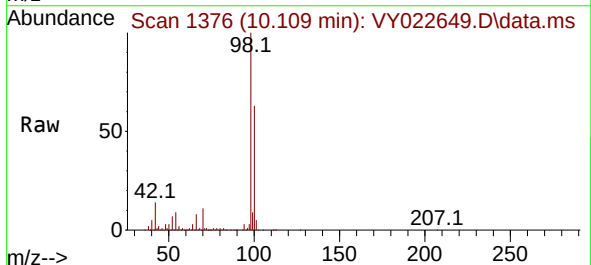
Instrument :
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ClientSampleId :
TP-2-VOC

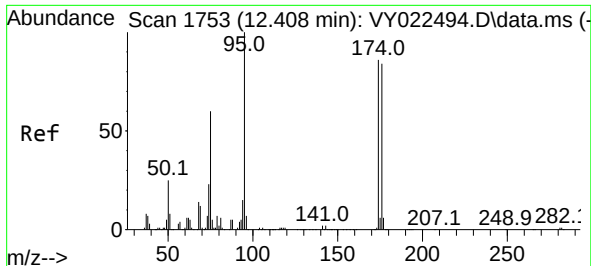
Tgt Ion: 98 Resp: 511700
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.308 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 43 Resp: 2605
Ion Ratio Lower Upper
43 100
58 196.3 30.4 45.6#

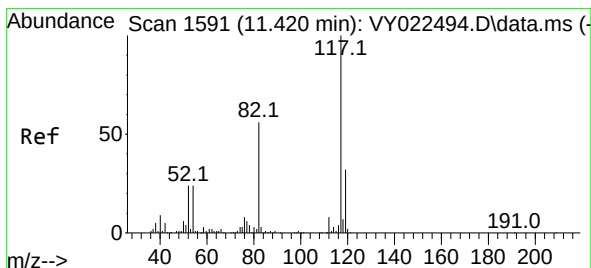
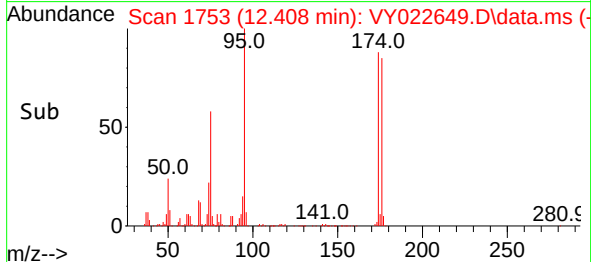
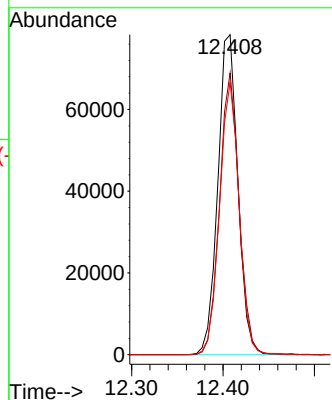
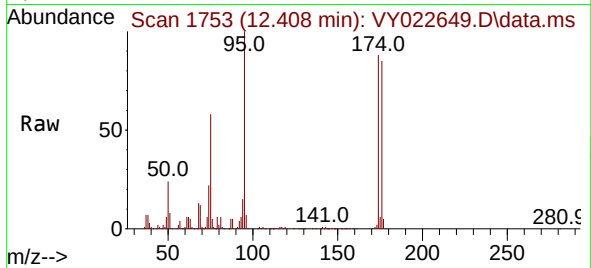




#62
4-Bromofluorobenzene
Concen: 38.858 ug/l
RT: 12.408 min Scan# 119556
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

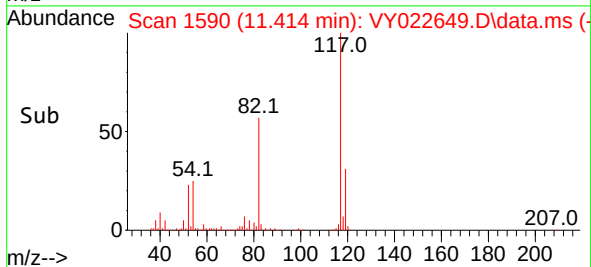
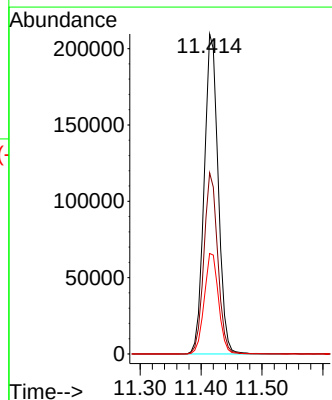
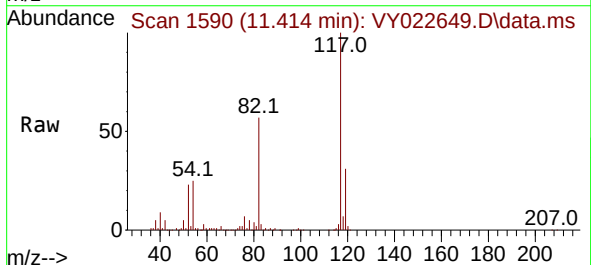
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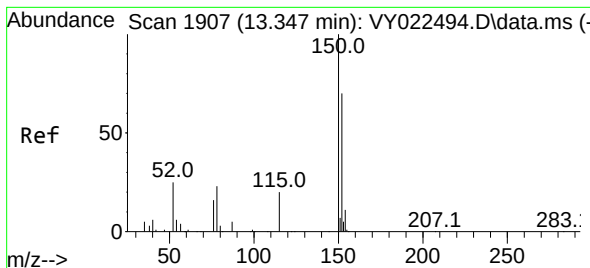
Tgt Ion: 95 Resp: 119556
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.0
176 82.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 117 Resp: 334421
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022649.D

Acq: 10 Jun 2025 14:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

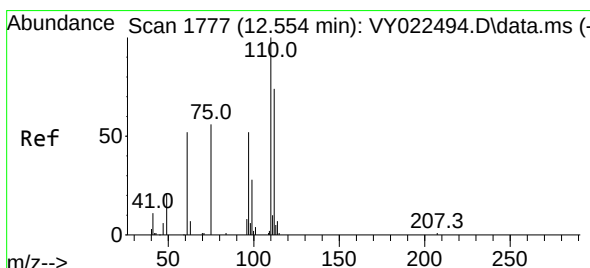
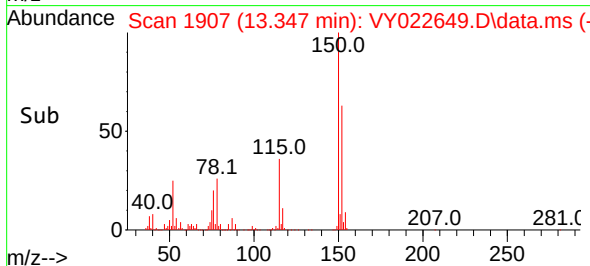
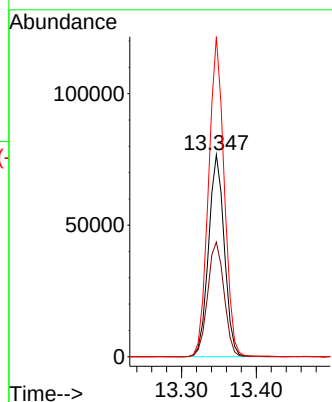
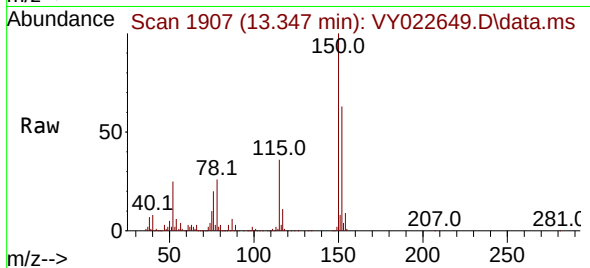
Tgt Ion:152 Resp: 112387

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

150 157.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.565 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022649.D

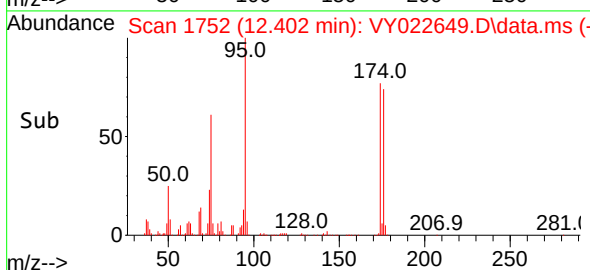
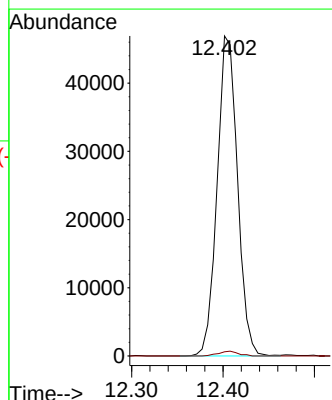
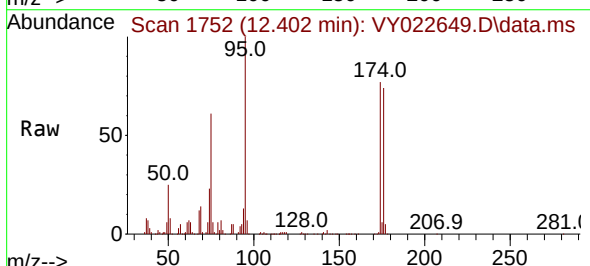
Acq: 10 Jun 2025 14:42

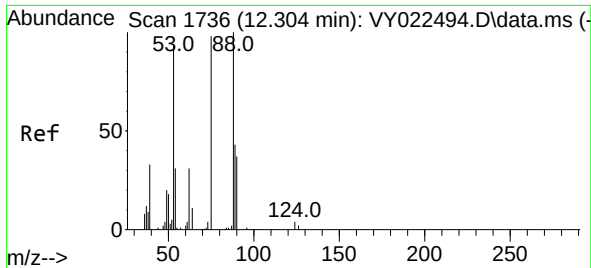
Tgt Ion: 75 Resp: 72729

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.602 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022649.D
 Acq: 10 Jun 2025 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Tgt Ion: 75 Resp: 72729
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

