

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022519.D
 Acq On : 03 Jun 2025 13:51
 Operator : SY/MD
 Sample : Q2172-02
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP06-MHQ-VOC

Quant Time: Jun 04 04:11:45 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)

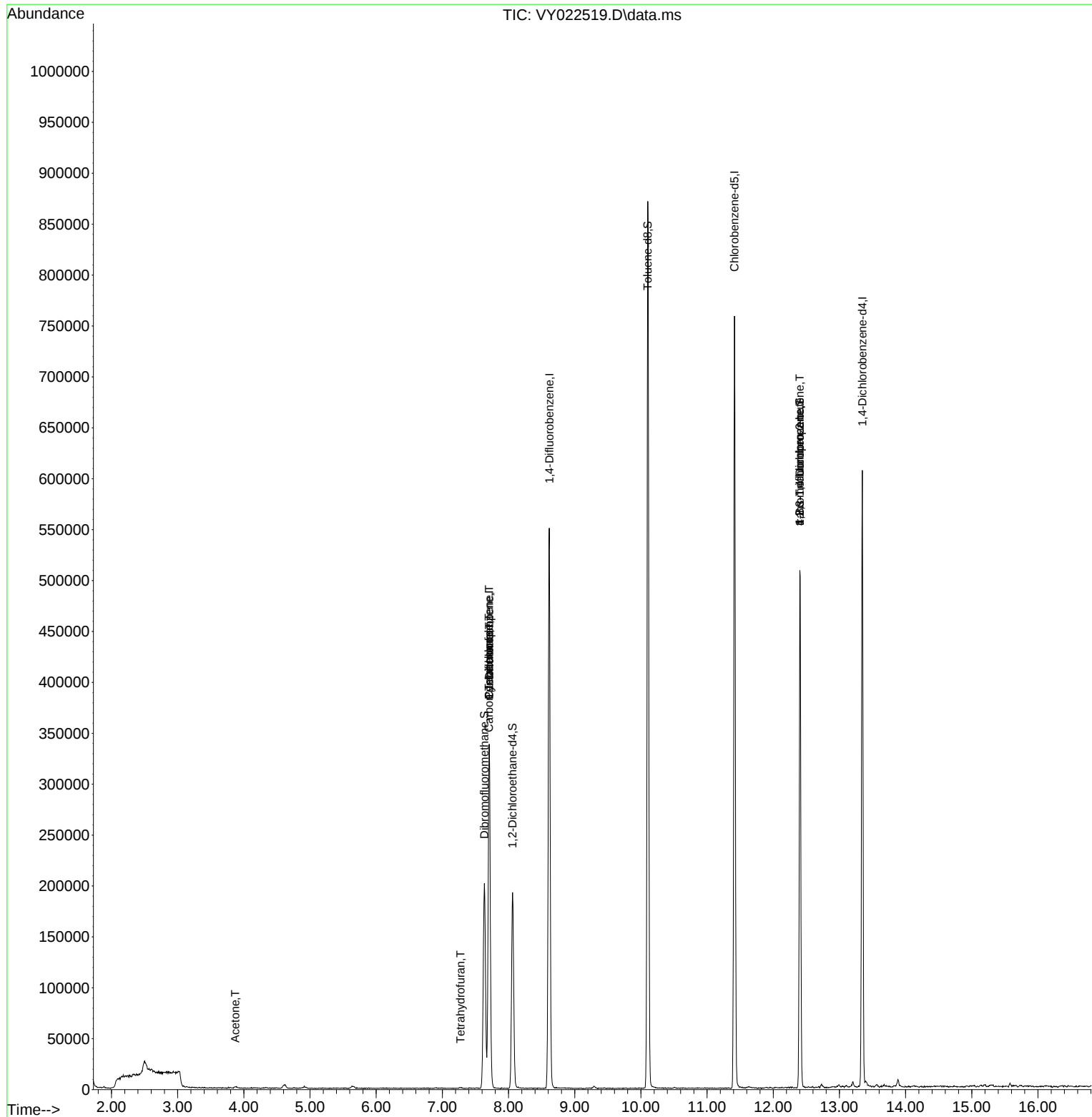
Internal Standards						
1) Pentafluorobenzene	7.707	168	251703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	457079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145461	51.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.340%	
35) Dibromofluoromethane	7.634	113	138119	50.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.103	98	549383	49.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	12.401	95	142064	43.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.500%	
Target Compounds						Qvalue
16) Acetone	3.873	43	2417	4.228	ug/l	91
29) Tetrahydrofuran	7.274	42	649	1.220	ug/l #	72
31) Cyclohexane	7.707	56	6565	1.214	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	21684	4.897	ug/l #	51
38) Carbon Tetrachloride	7.701	117	25408	5.594	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	84186	53.299	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	84186	128.714	ug/l #	10

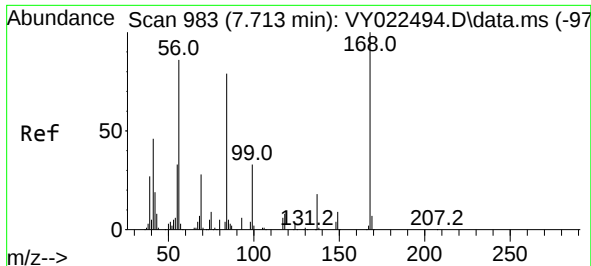
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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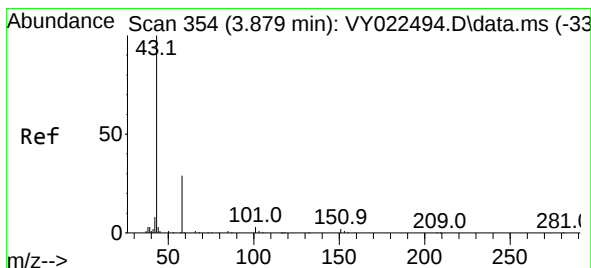
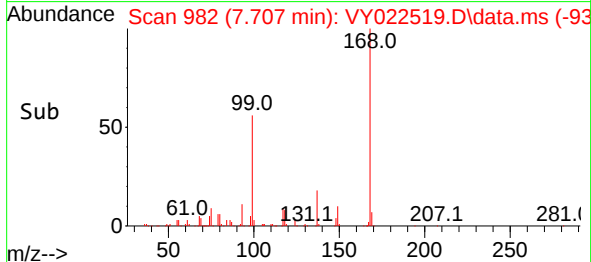
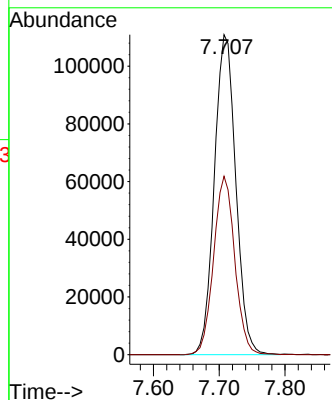
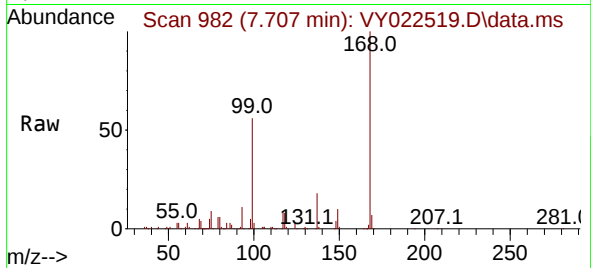




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

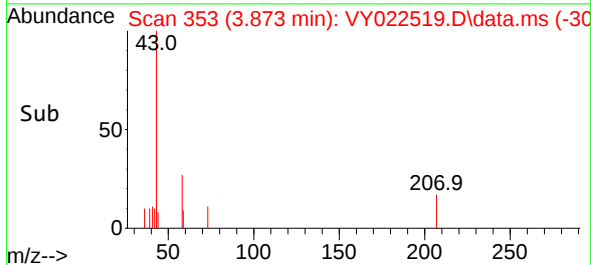
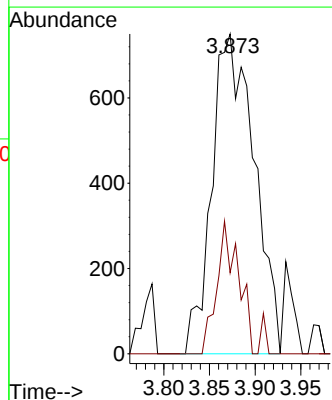
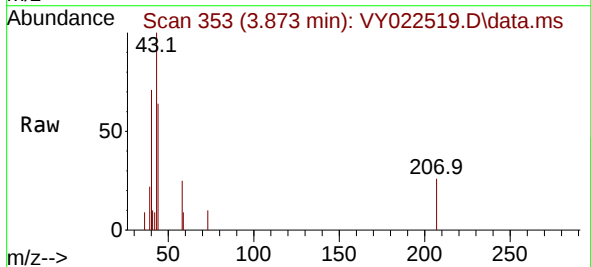
Instrument :
MSVOA_Y
ClientSampleId :
TP06-MHQ-VOC

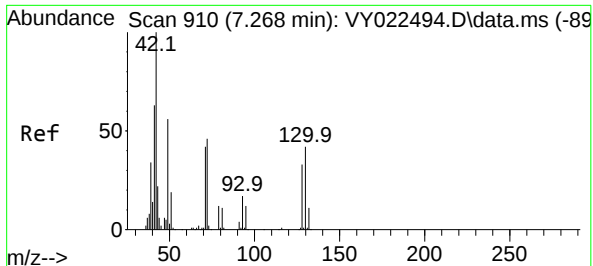
Tgt Ion:168 Resp: 251703
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#16
Acetone
Concen: 4.228 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

Tgt Ion: 43 Resp: 2417
Ion Ratio Lower Upper
43 100
58 25.3 24.0 36.0





#29

Tetrahydrofuran

Concen: 1.220 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY022519.D

Acq: 03 Jun 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

TP06-MHQ-VOC

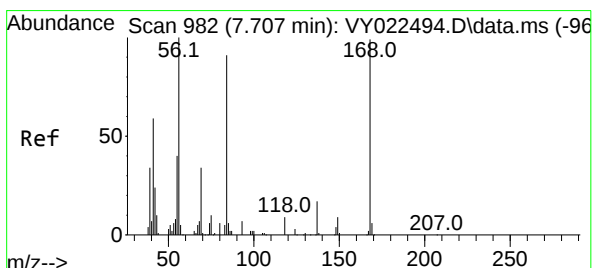
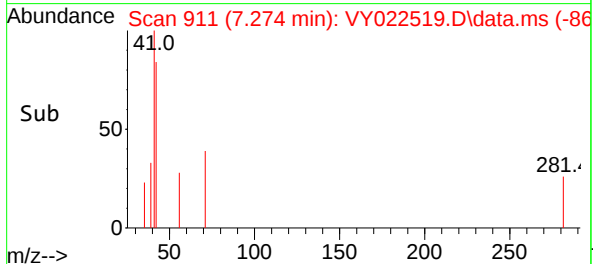
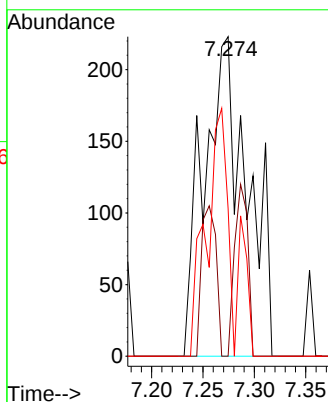
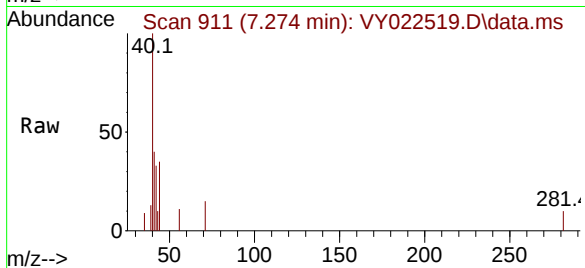
Tgt Ion: 42 Resp: 649

Ion Ratio Lower Upper

42 100

72 16.0 37.4 56.2#

71 37.8 34.2 51.2



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY022519.D

Acq: 03 Jun 2025 13:51

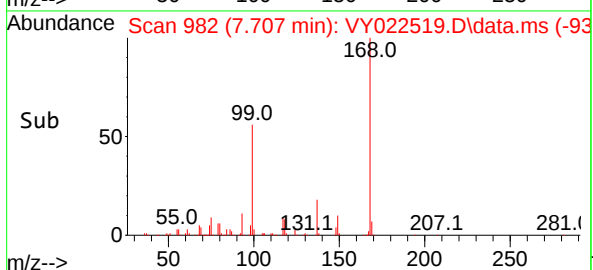
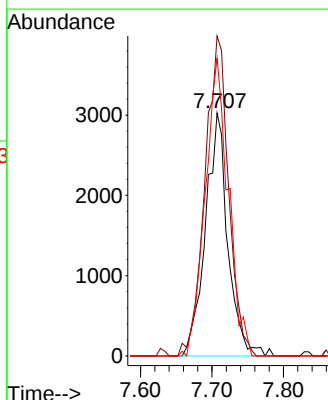
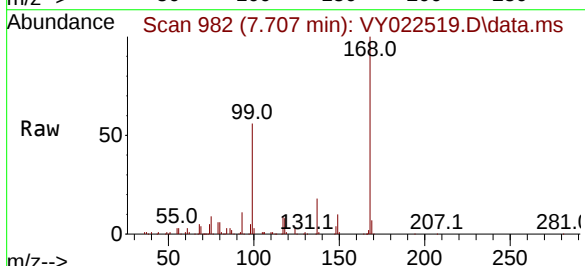
Tgt Ion: 56 Resp: 6565

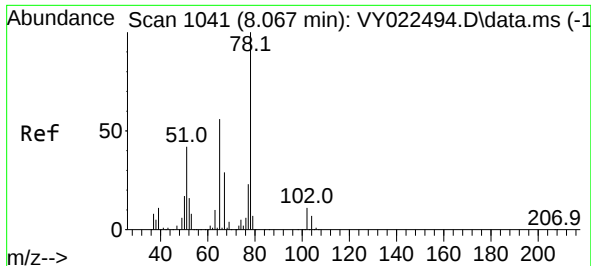
Ion Ratio Lower Upper

56 100

69 131.7 27.0 40.6#

84 122.5 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.671 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022519.D

Acq: 03 Jun 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

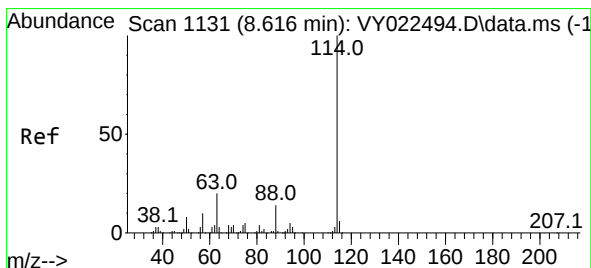
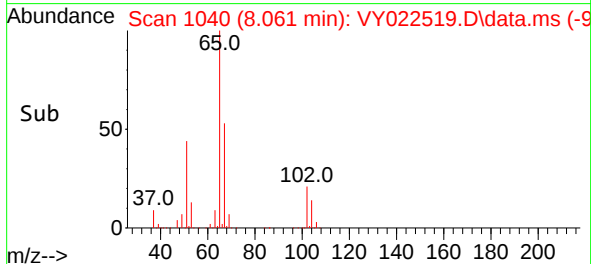
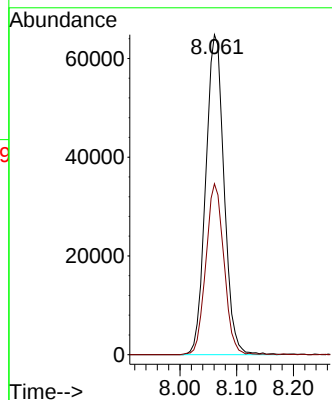
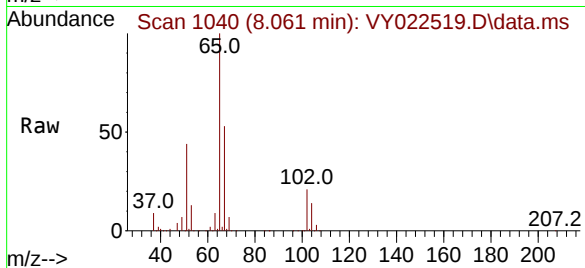
TP06-MHQ-VOC

Tgt Ion: 65 Resp: 145461

Ion Ratio Lower Upper

65 100

67 52.7 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: VY022519.D

Acq: 03 Jun 2025 13:51

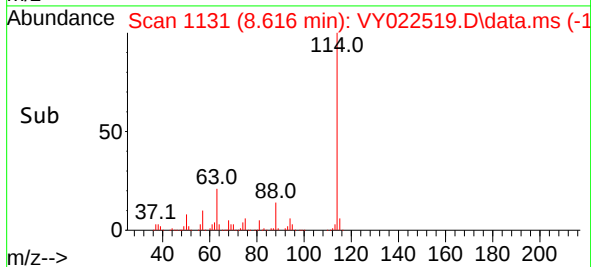
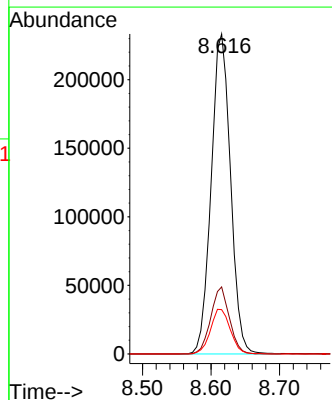
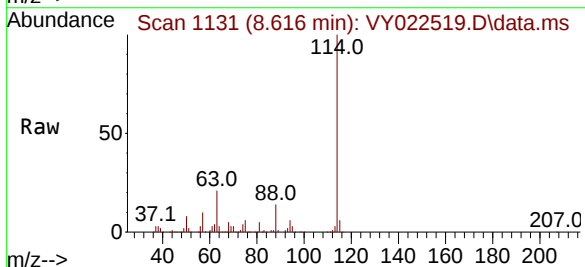
Tgt Ion: 114 Resp: 457079

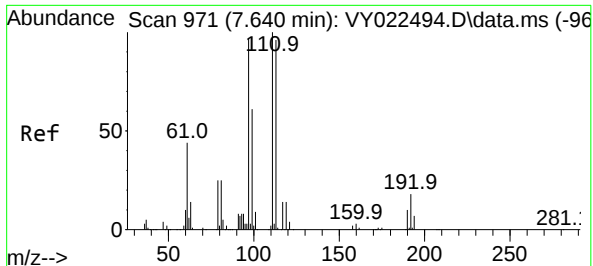
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 13.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.626 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022519.D

Acq: 03 Jun 2025 13:51

Instrument :

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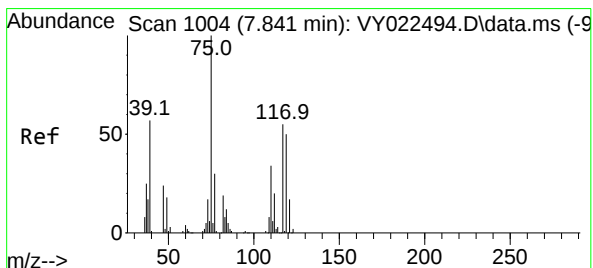
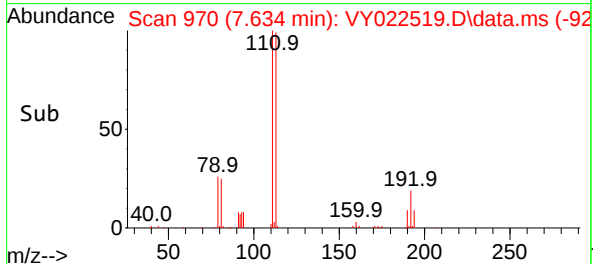
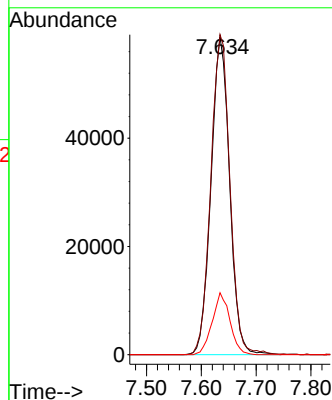
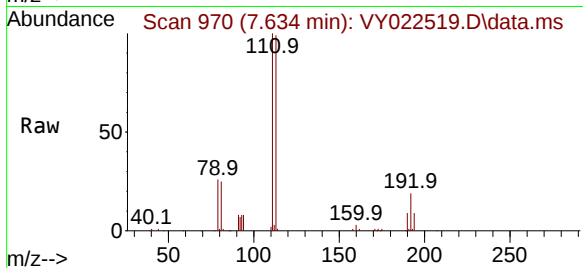
Tgt Ion:113 Resp: 138119

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

192 18.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022519.D

Acq: 03 Jun 2025 13:51

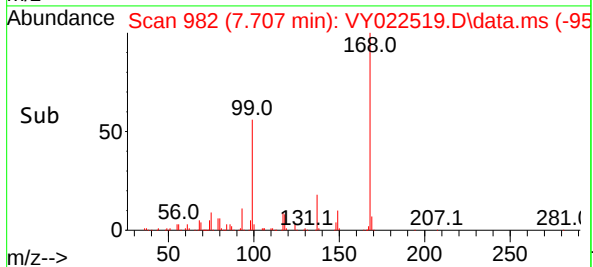
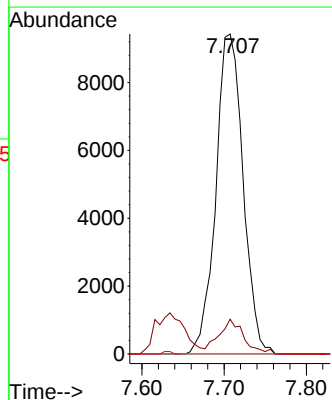
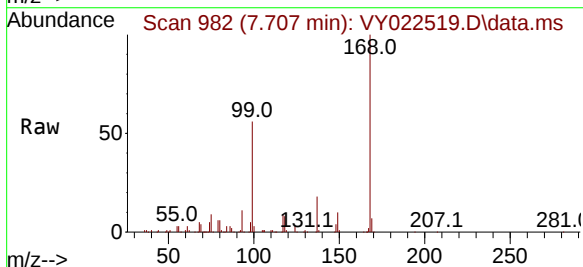
Tgt Ion: 75 Resp: 21684

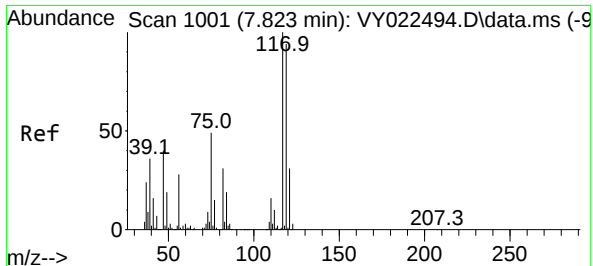
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.8 37.2#

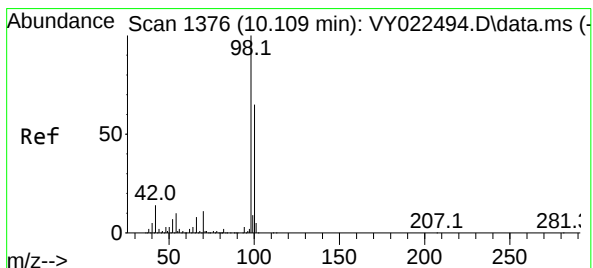
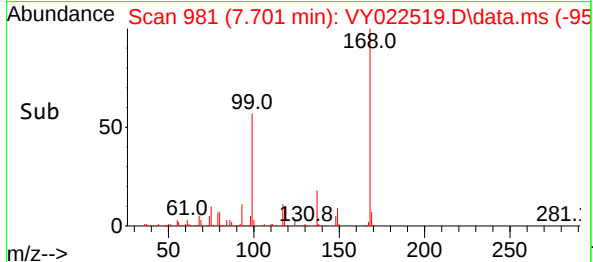
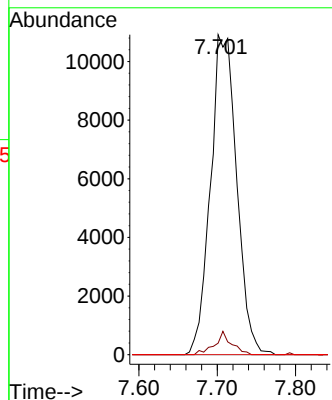
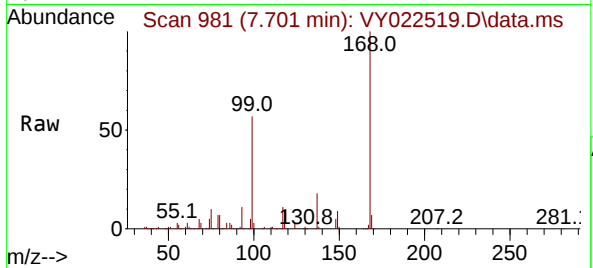




#38
Carbon Tetrachloride
Concen: 5.594 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

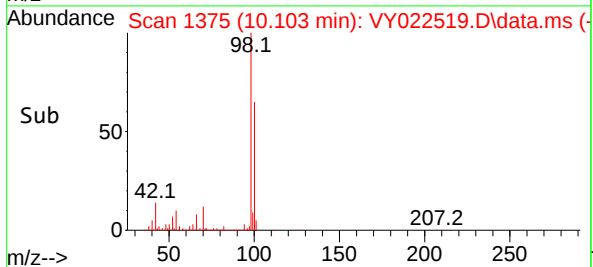
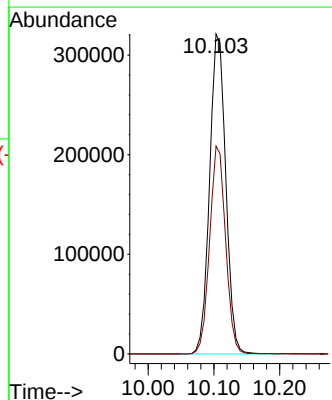
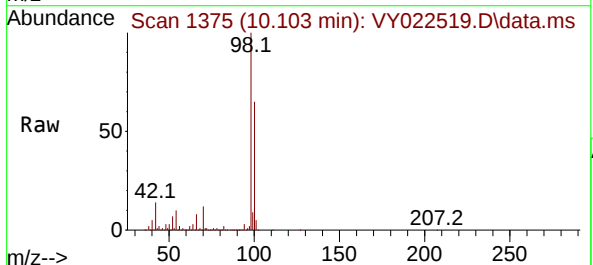
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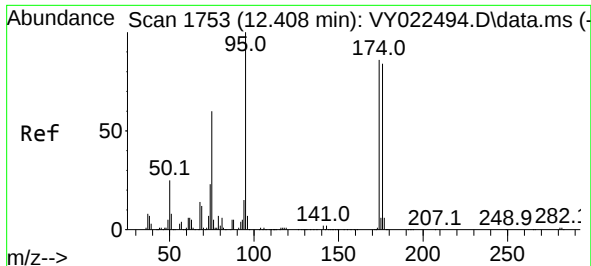
Tgt Ion:117 Resp: 25408
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.836 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

Tgt Ion: 98 Resp: 549383
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

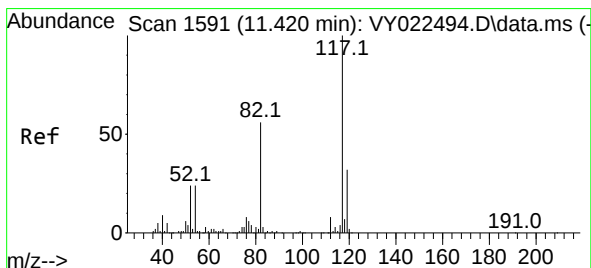
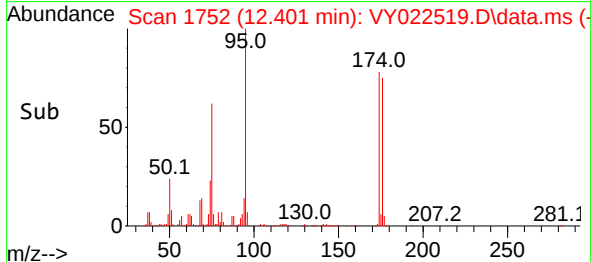
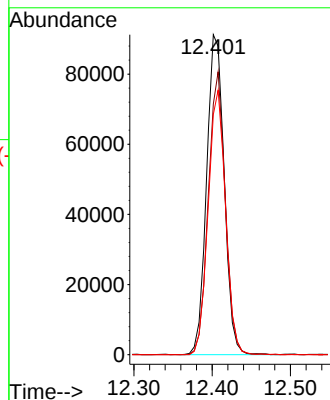
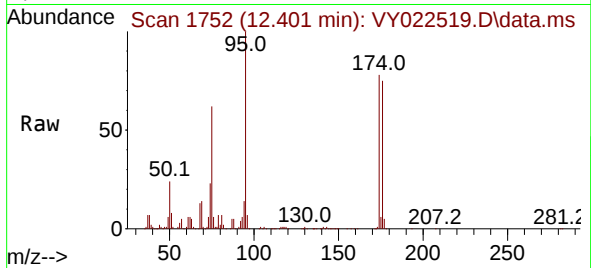




#62
4-Bromofluorobenzene
Concen: 43.253 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

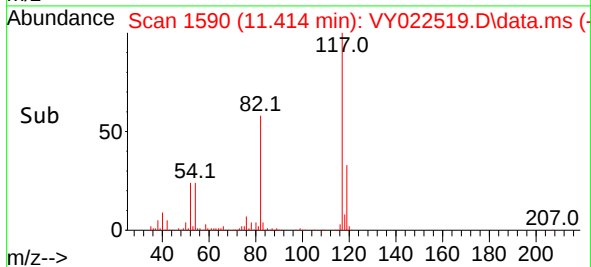
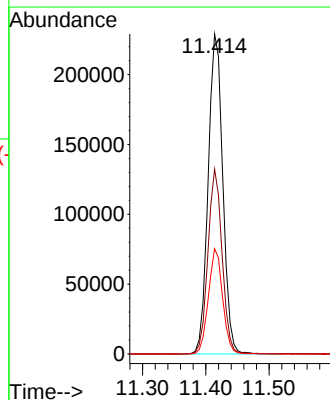
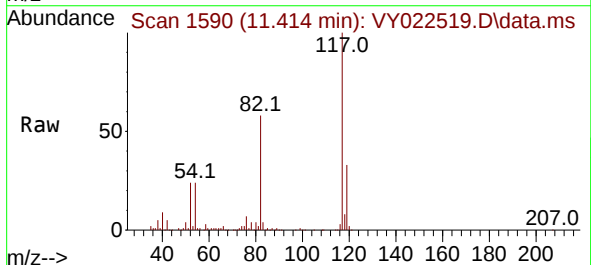
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TP06-MHQ-VOC

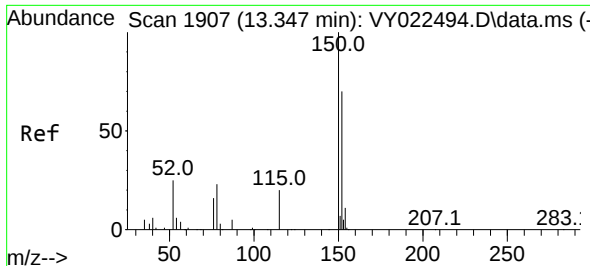
Tgt Ion: 95 Resp: 142064
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022519.D
Acq: 03 Jun 2025 13:51

Tgt Ion: 117 Resp: 368507
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.9 25.4 38.0

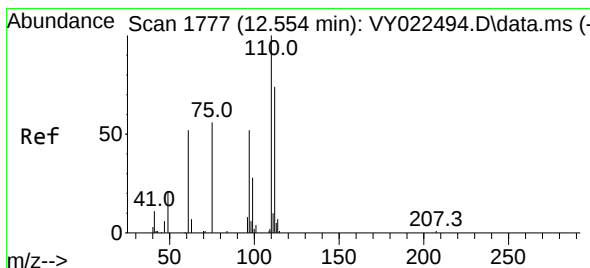
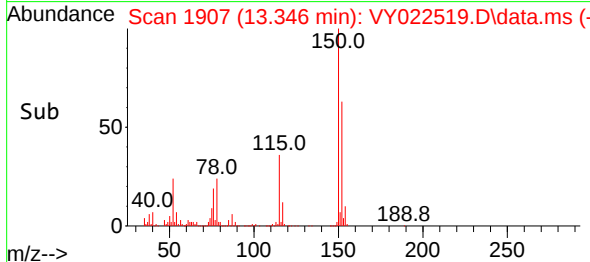
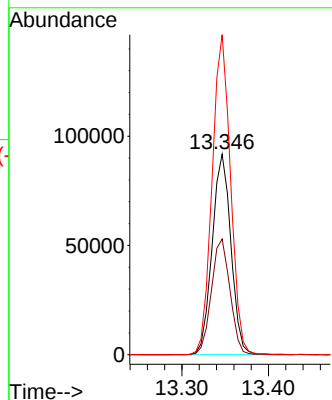
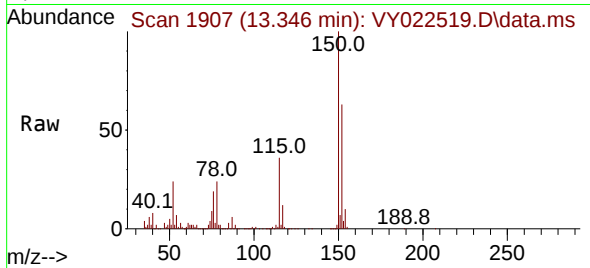




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022519.D
 Acq: 03 Jun 2025 13:51

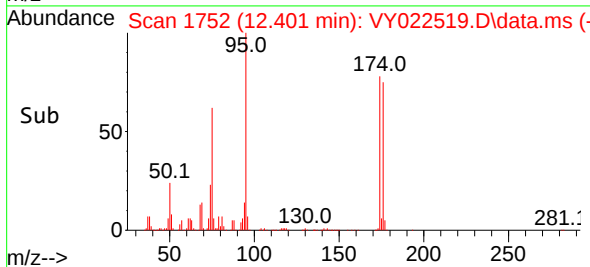
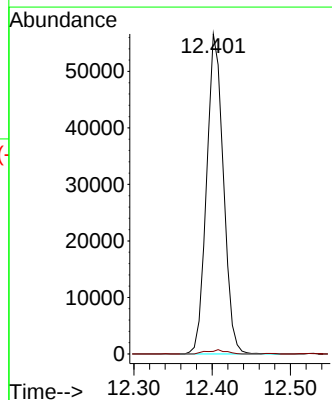
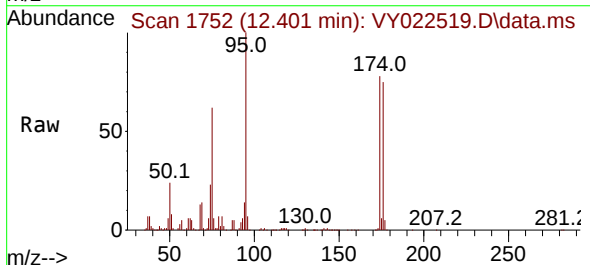
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP06-MHQ-VOC

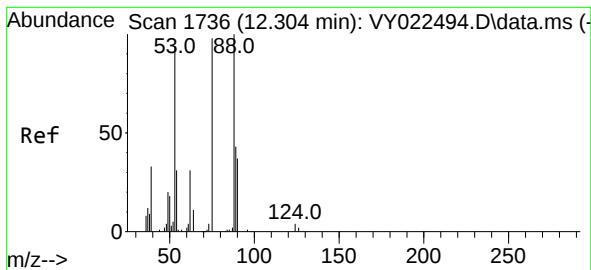
Tgt Ion:152 Resp: 138064
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 156.9 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 53.299 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022519.D
 Acq: 03 Jun 2025 13:51

Tgt Ion: 75 Resp: 84186
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.714 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022519.D
 Acq: 03 Jun 2025 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP06-MHQ-VOC

Tgt Ion: 75 Resp: 84186
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

