

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023567.D
 Acq On : 24 Oct 2025 12:54
 Operator : SY/MD
 Sample : Q3445-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-102325

Quant Time: Oct 24 23:50:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

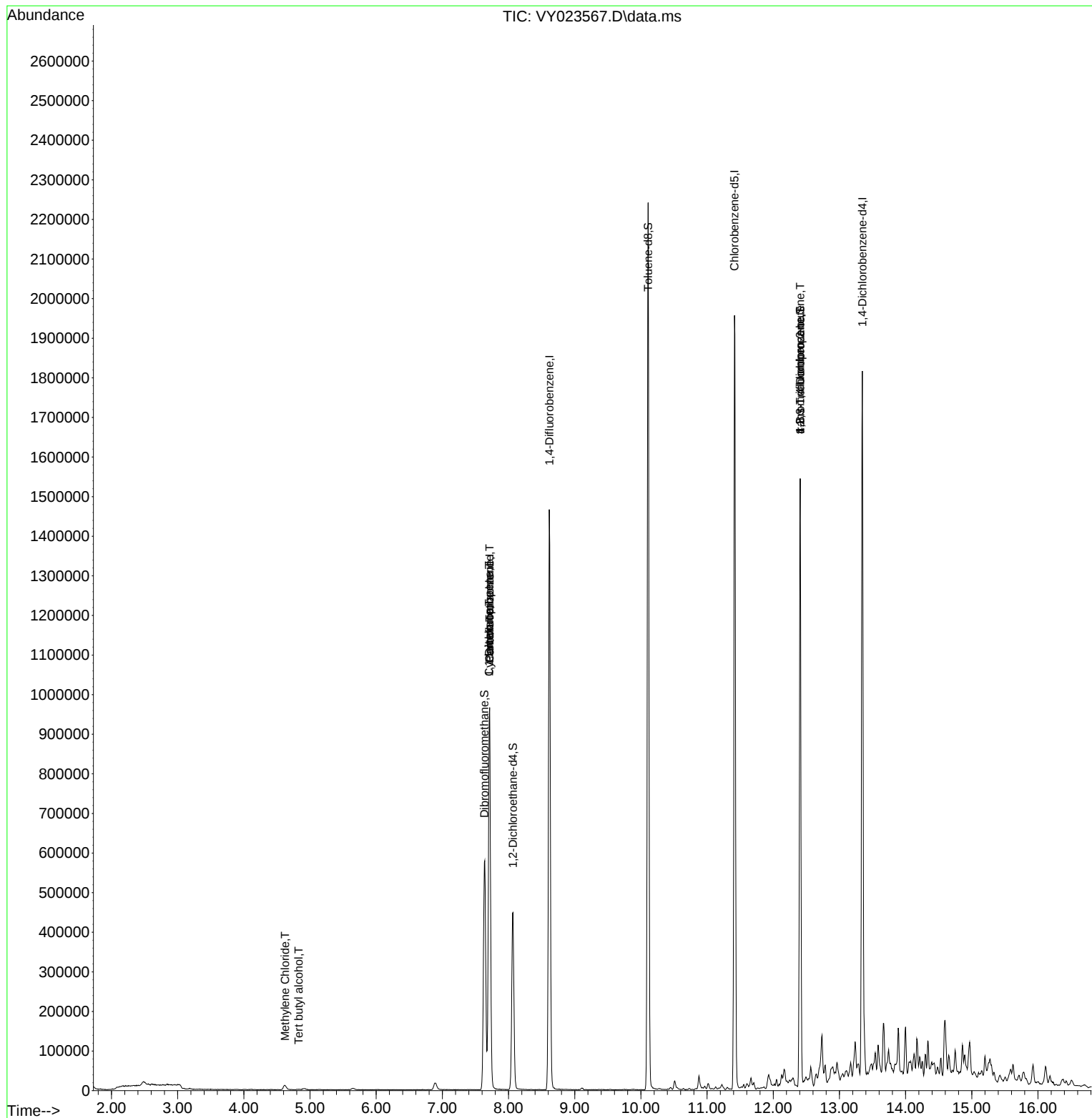
Internal Standards						
1) Pentafluorobenzene	7.713	168	824188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1341909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1144043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	505065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	350789	50.898	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.634	113	424256	51.454	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.109	98	1495295	48.696	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.408	95	456819	45.061	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	1904	3.714	ug/l #	72
20) Methylene Chloride	4.622	84	9271	1.045	ug/l	93
31) Cyclohexane	7.707	56	12816	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	49945	4.575	ug/l #	48
38) Carbon Tetrachloride	7.713	117	72361	5.467	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	216929	48.682	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	216929	119.378	ug/l #	15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023567.D
Acq On : 24 Oct 2025 12:54
Operator : SY/MD
Sample : Q3445-01
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

Quant Time: Oct 24 23:50:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

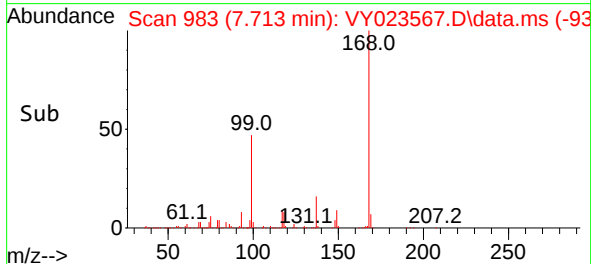
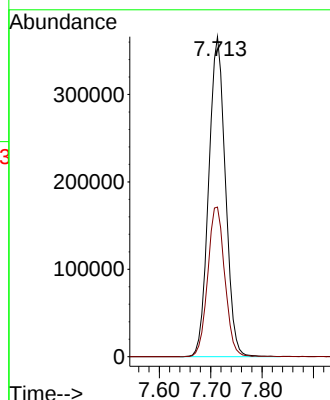
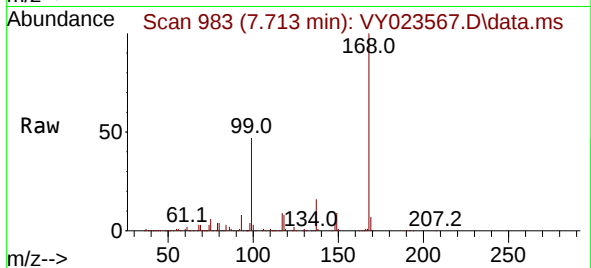




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

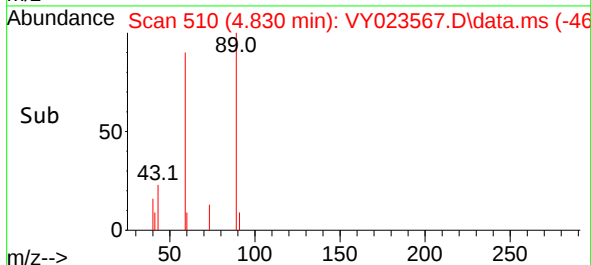
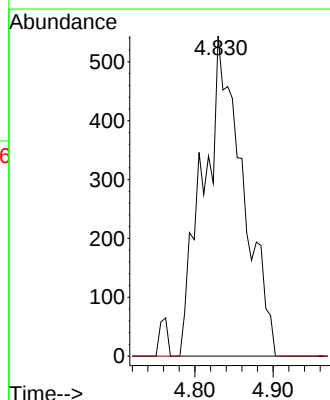
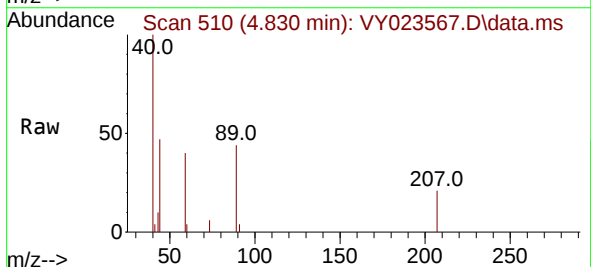
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

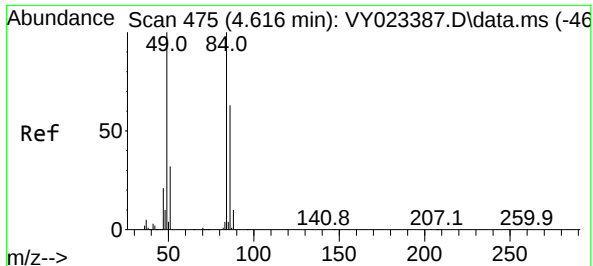
Tgt Ion:168 Resp: 824188
Ion Ratio Lower Upper
168 100
99 46.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 3.714 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.031 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 59 Resp: 1904
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



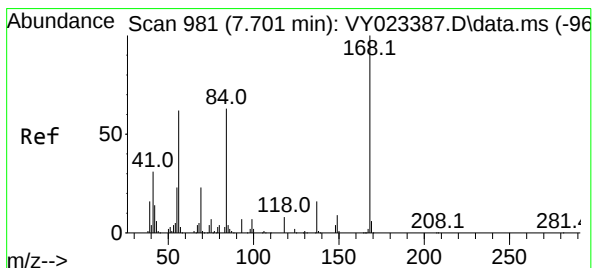
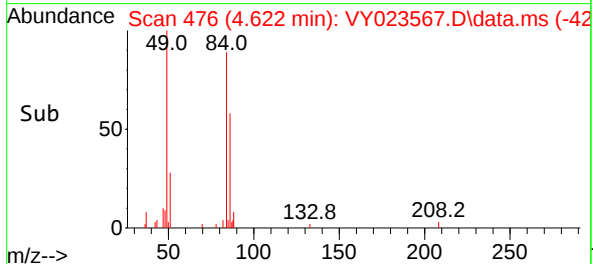
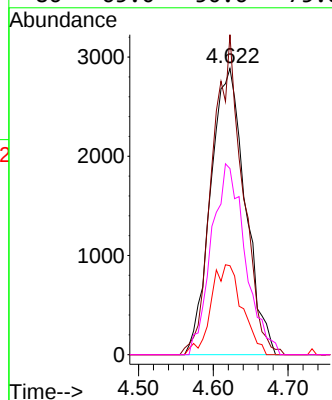
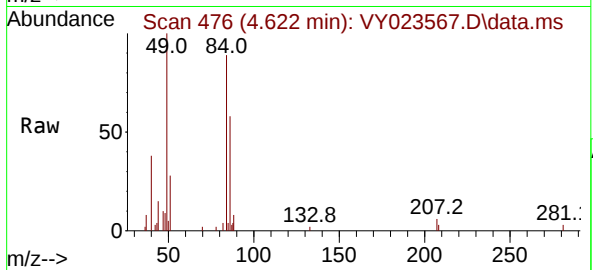


#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

Tgt Ion: 84 Resp: 9271

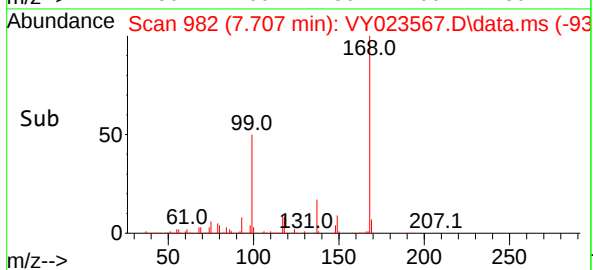
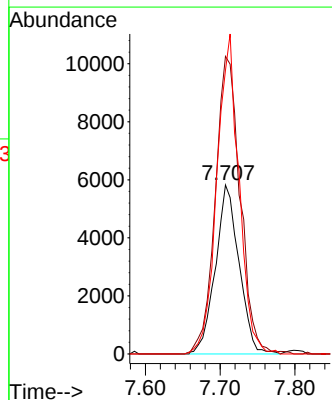
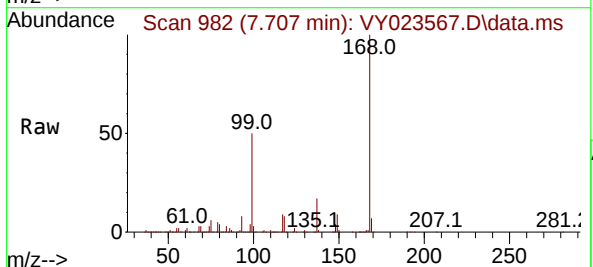
Ion	Ratio	Lower	Upper
84	100		
49	111.8	80.2	120.4
51	31.0	25.9	38.9
86	65.0	50.6	75.8

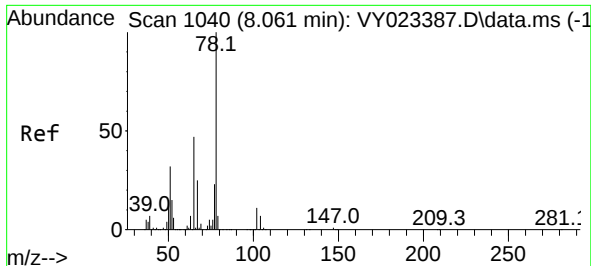


#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 56 Resp: 12816

Ion	Ratio	Lower	Upper
56	100		
69	176.1	30.0	45.0#
84	168.0	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 50.898 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023567.D

Acq: 24 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

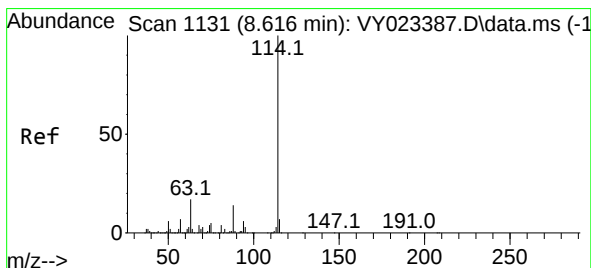
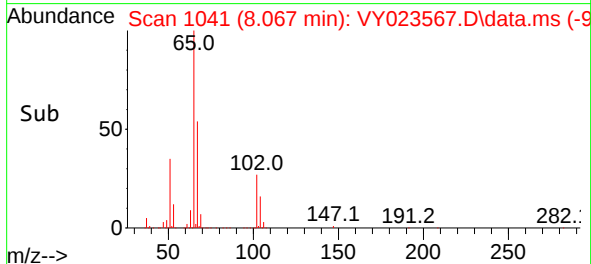
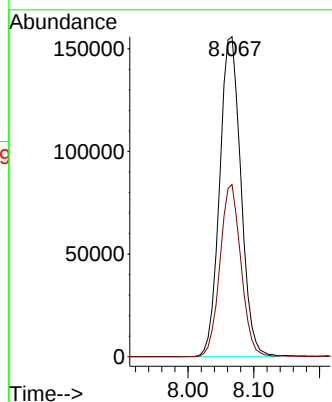
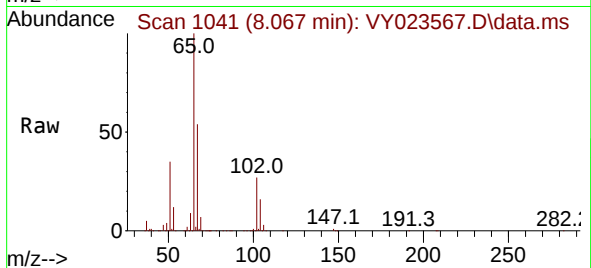
EO-01-102325

Tgt Ion: 65 Resp: 350789

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023567.D

Acq: 24 Oct 2025 12:54

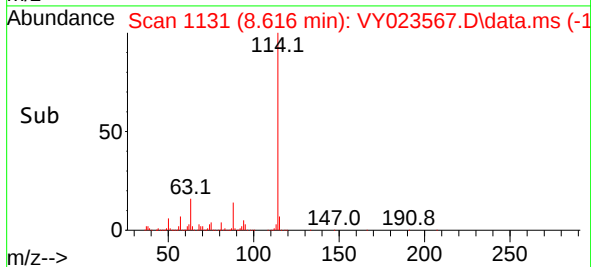
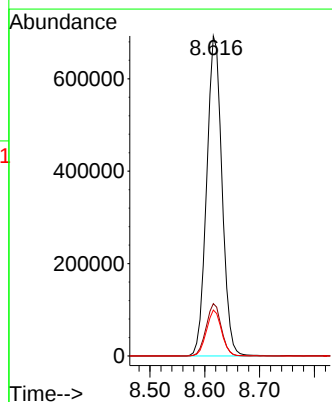
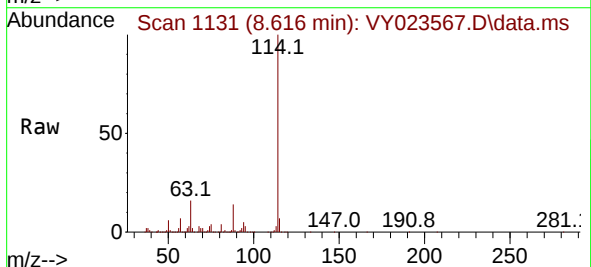
Tgt Ion: 114 Resp: 1341909

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.4 0.0 28.4

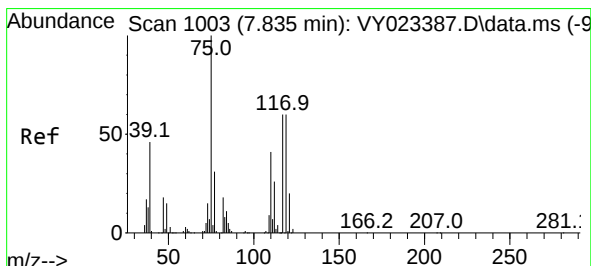
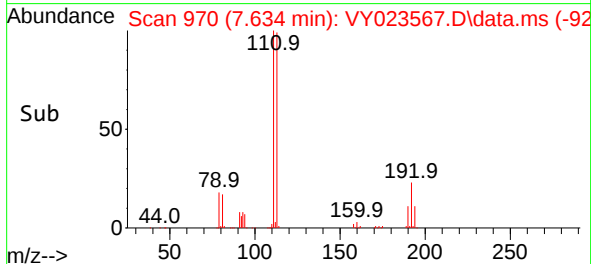
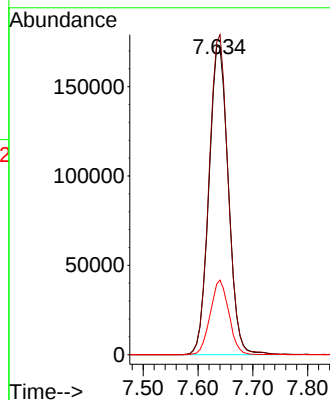
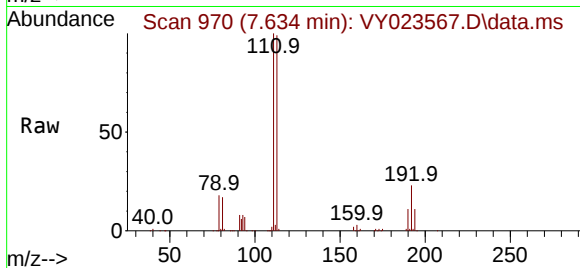




#35
Dibromofluoromethane
Concen: 51.454 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

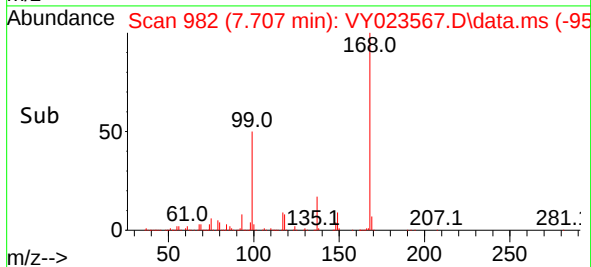
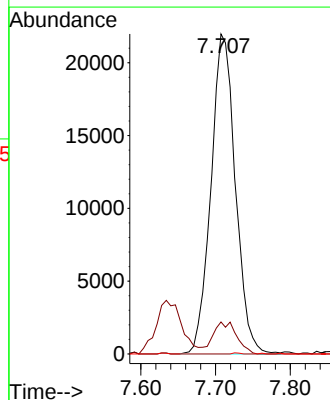
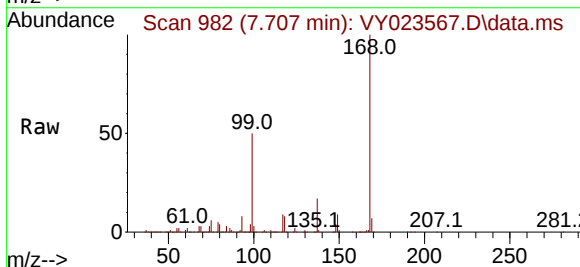
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

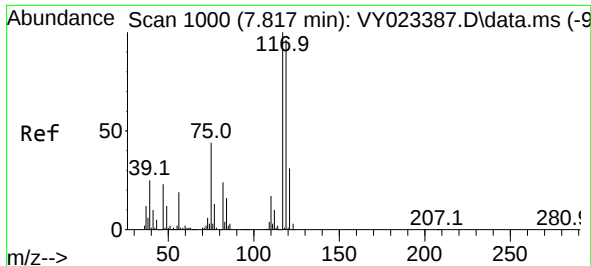
Tgt Ion:113 Resp: 424256
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 23.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 75 Resp: 49945
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.7#
77 0.1 25.0 37.6#

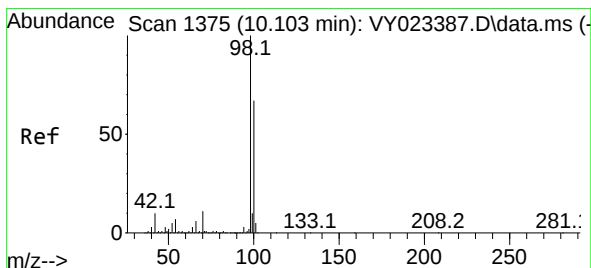
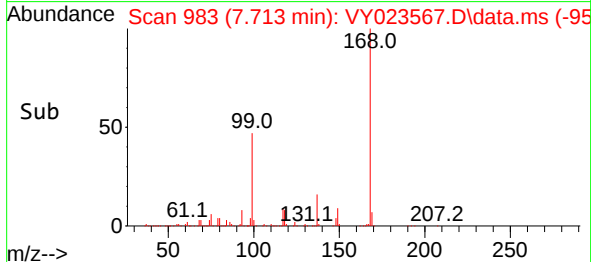
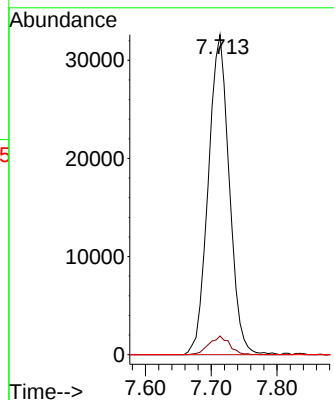
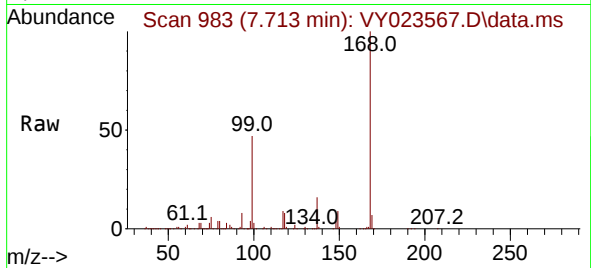




#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

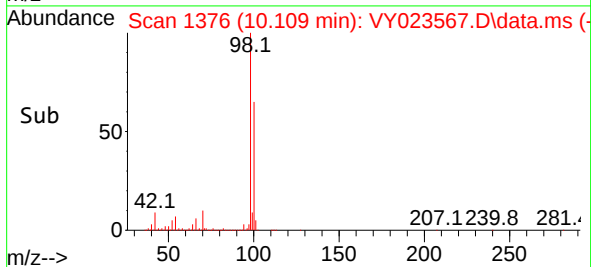
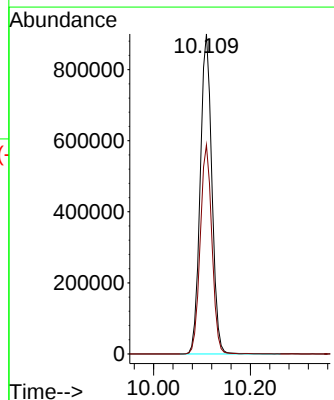
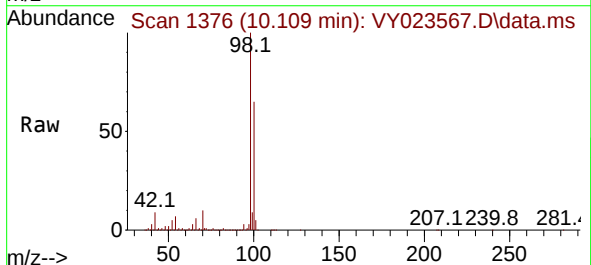
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

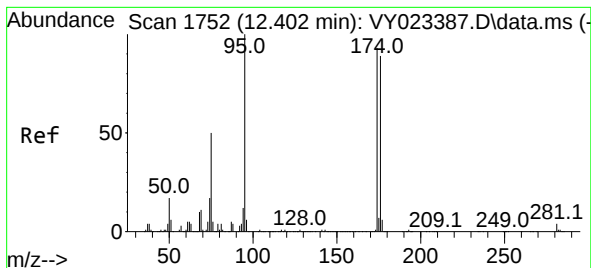
Tgt Ion:117 Resp: 72361
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.696 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 98 Resp: 1495295
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

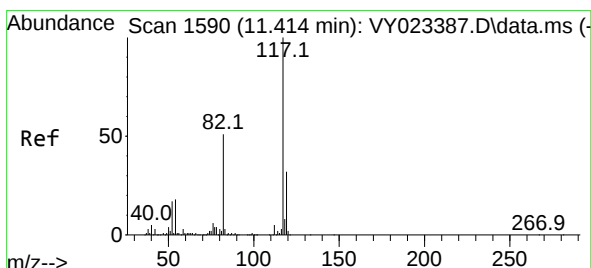
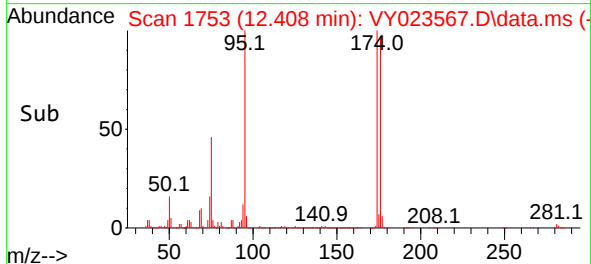
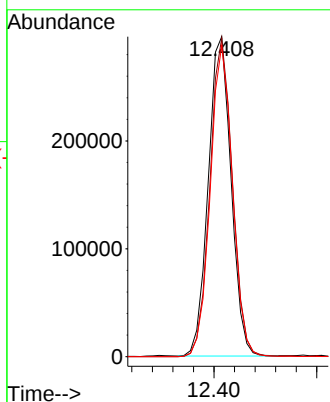
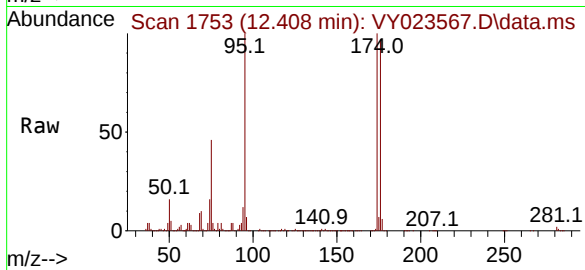




#62
4-Bromofluorobenzene
Concen: 45.061 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

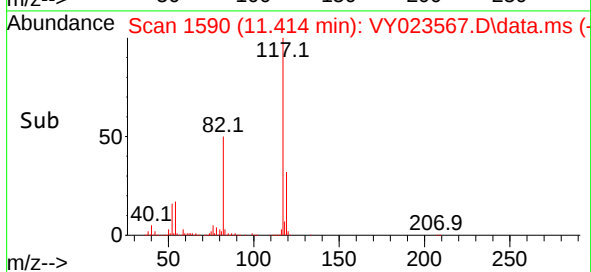
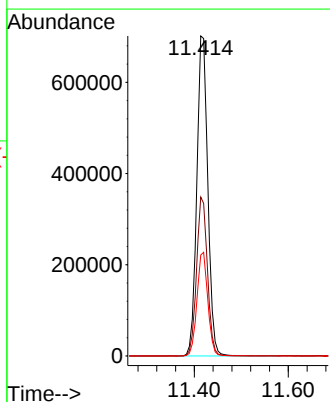
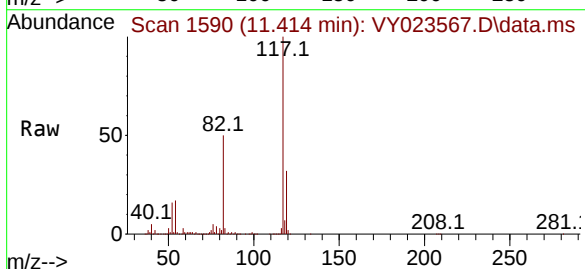
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

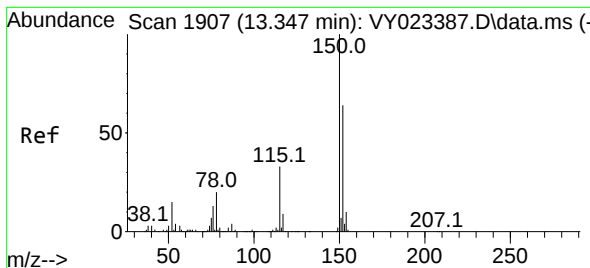
Tgt Ion: 95 Resp: 456819
Ion Ratio Lower Upper
95 100
174 98.3 0.0 192.8
176 94.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 117 Resp: 1144043
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023567.D

Acq: 24 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-102325

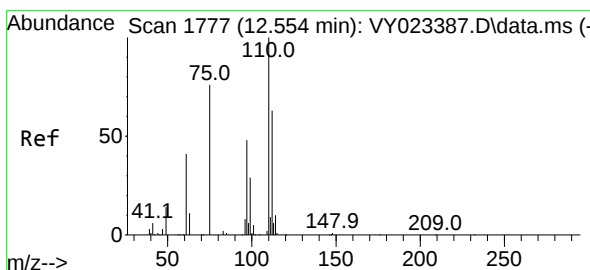
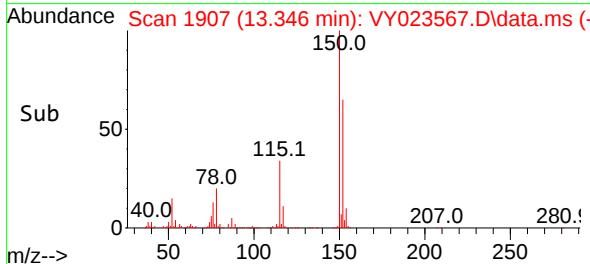
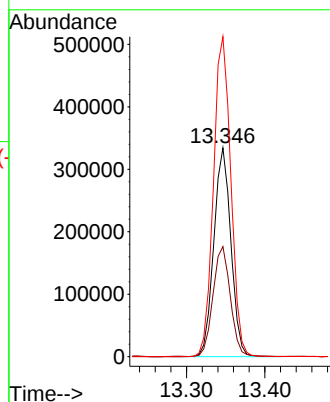
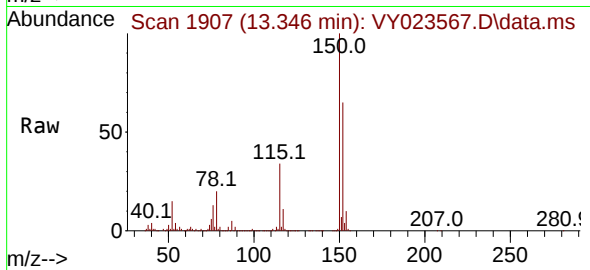
Tgt Ion:152 Resp: 505065

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.3 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 48.682 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023567.D

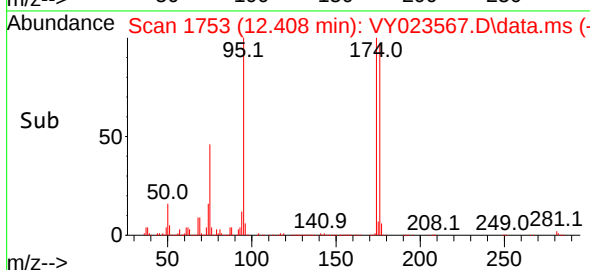
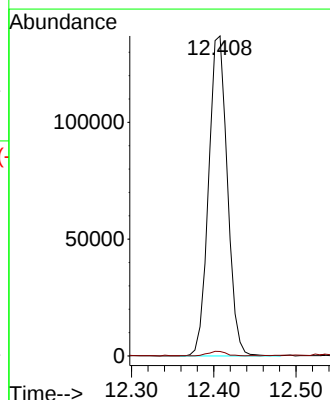
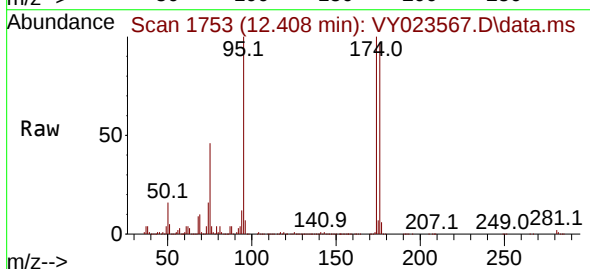
Acq: 24 Oct 2025 12:54

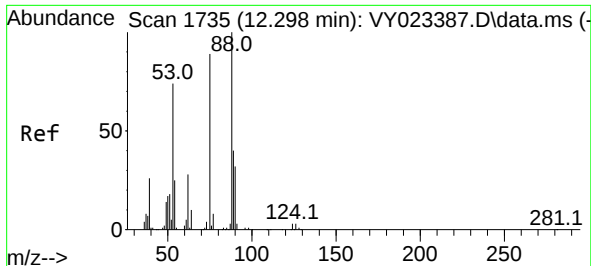
Tgt Ion: 75 Resp: 216929

Ion Ratio Lower Upper

75 100

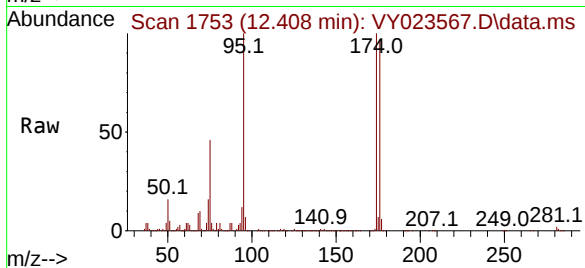
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.378 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023567.D
 Acq: 24 Oct 2025 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-102325



Tgt Ion: 75 Resp: 216929
 Ion Ratio Lower Upper
 75 100
 53 0.3 68.6 102.8#
 89 0.1 39.0 58.4#

