

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023699.D
 Acq On : 06 Nov 2025 14:05
 Operator : SY/MD
 Sample : Q3562-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-110625

Quant Time: Nov 07 04:16:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

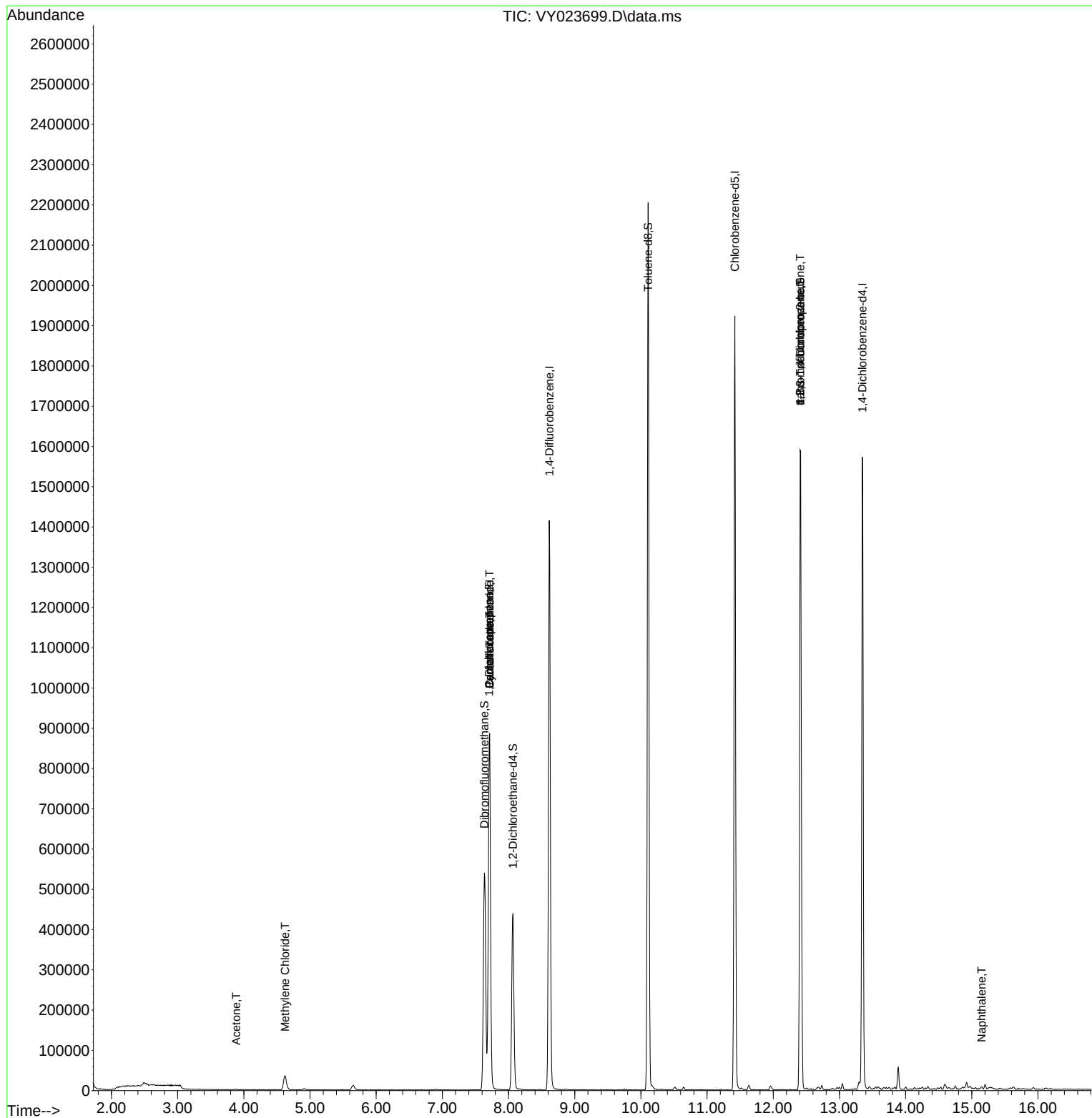
Internal Standards						
1) Pentafluorobenzene	7.713	168	727936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1266522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1066392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	419114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	345481	55.639	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.280%			
35) Dibromofluoromethane	7.634	113	402908	50.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.109	98	1434667	48.660	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.407	95	410035	43.004	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.000%			
Target Compounds					Qvalue	
16) Acetone	3.885	43	2085	1.351	ug/l	88
20) Methylene Chloride	4.622	84	29183	3.917	ug/l	96
31) Cyclohexane	7.713	56	12376	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	49749	4.704	ug/l #	48
38) Carbon Tetrachloride	7.713	117	67843	5.444	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	205641	60.626	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	205641	137.012	ug/l #	14
95) Naphthalene	15.151	128	5724	5.677	ug/l	97

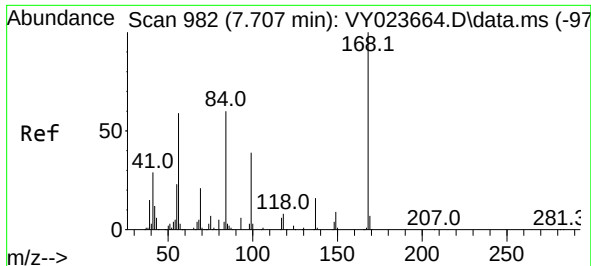
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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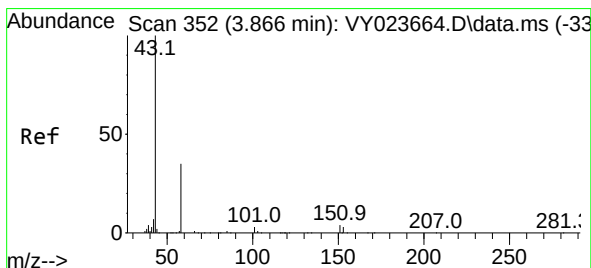
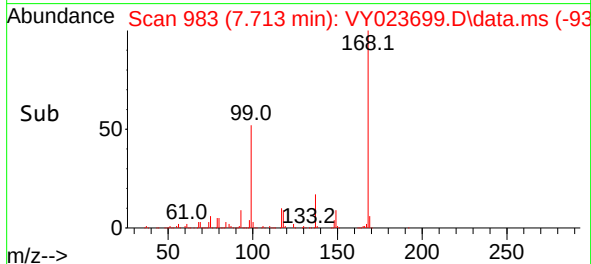
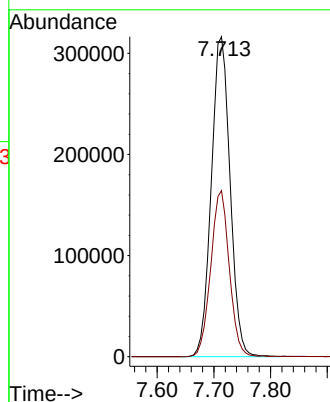
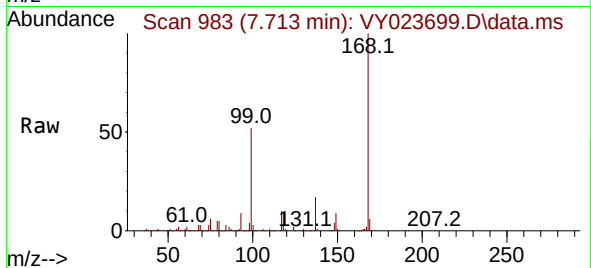




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

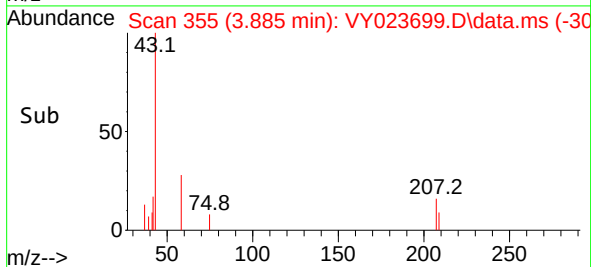
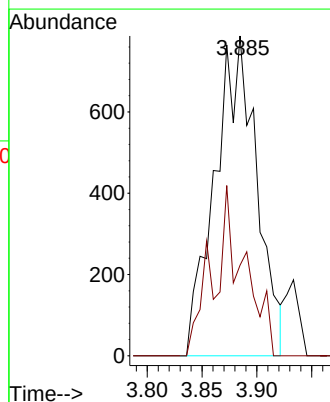
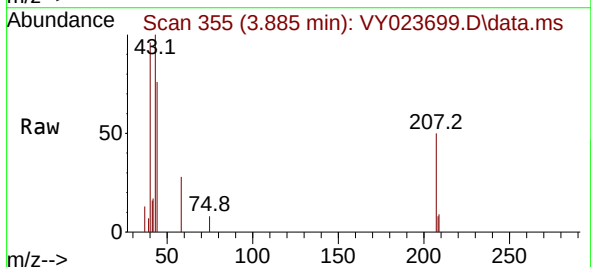
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-110625

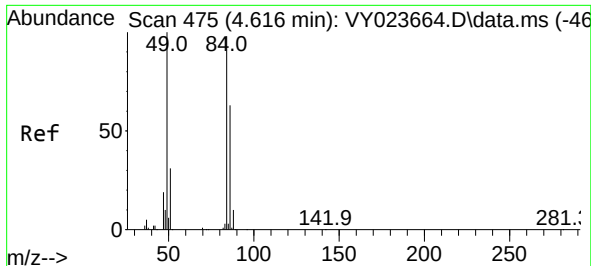
Tgt Ion:168 Resp: 727936
Ion Ratio Lower Upper
168 100
99 51.9 41.0 61.4



#16
Acetone
Concen: 1.351 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
58 28.3 28.2 42.4

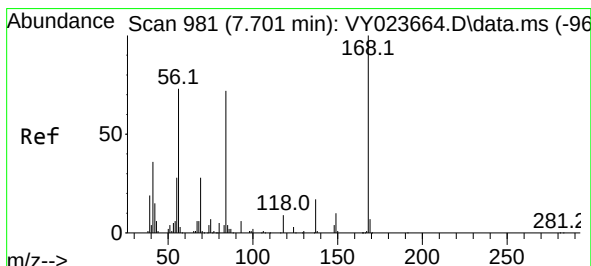
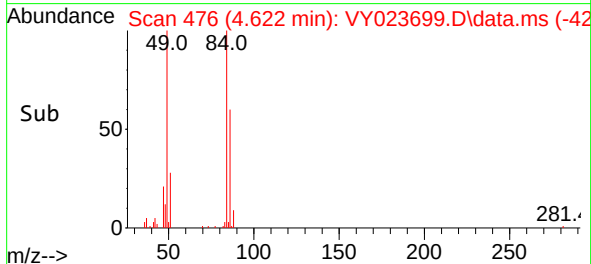
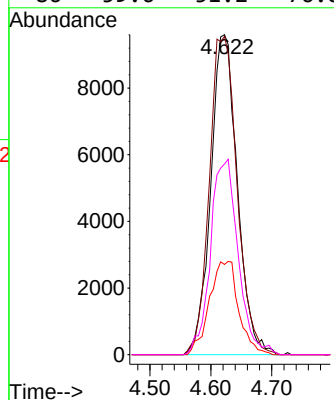
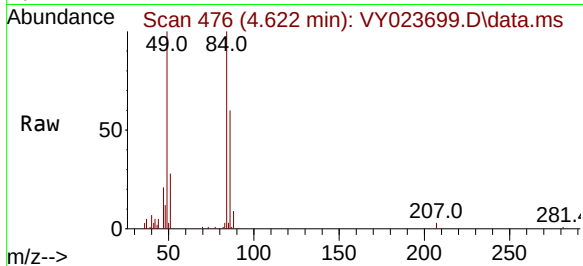




#20
Methylene Chloride
Concen: 3.917 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

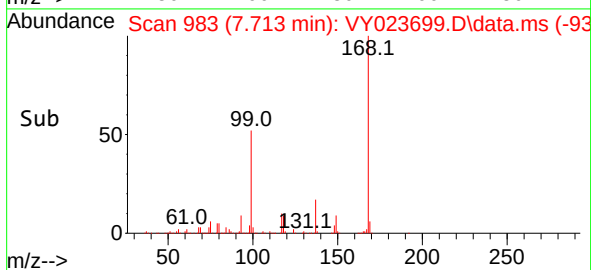
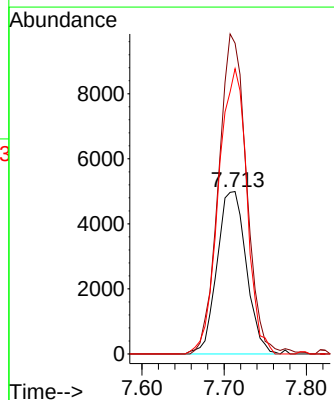
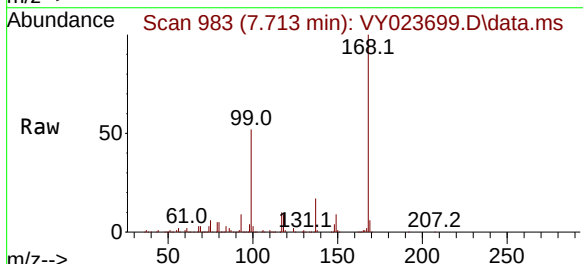
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-110625

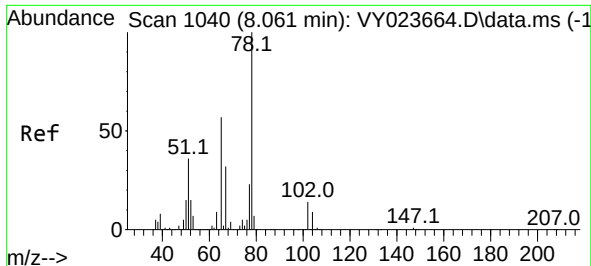
Tgt Ion:	84	Resp:	29183
Ion	Ratio	Lower	Upper
84	100		
49	99.5	81.5	122.3
51	28.2	25.5	38.3
86	59.6	51.2	76.8



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion:	56	Resp:	12376
Ion	Ratio	Lower	Upper
56	100		
69	191.3	30.5	45.7#
84	175.6	79.0	118.4#





#33

1,2-Dichloroethane-d4

Concen: 55.639 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023699.D

Acq: 06 Nov 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

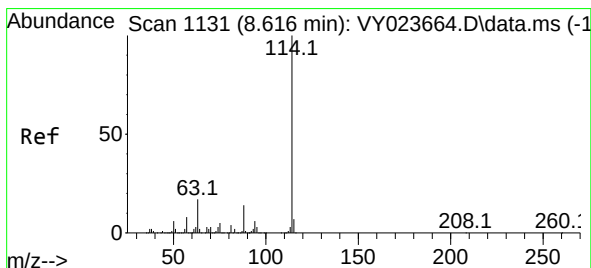
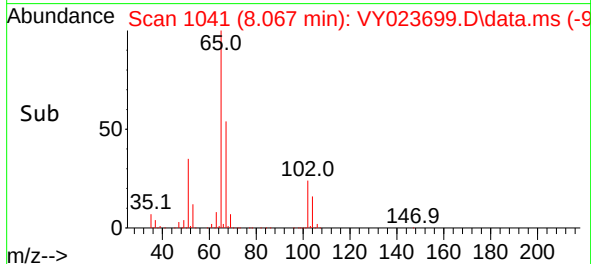
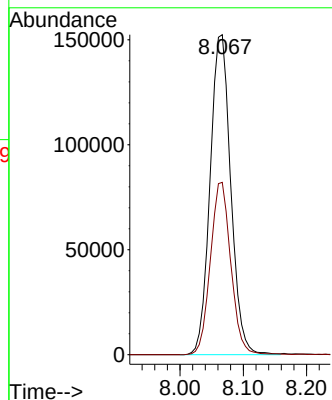
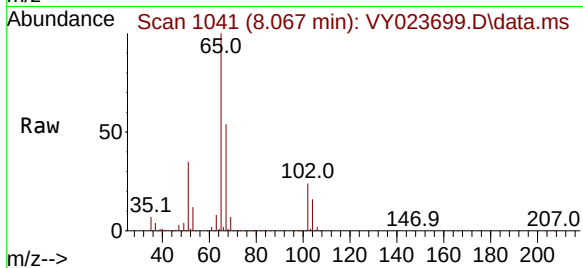
EO-03-110625

Tgt Ion: 65 Resp: 345481

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023699.D

Acq: 06 Nov 2025 14:05

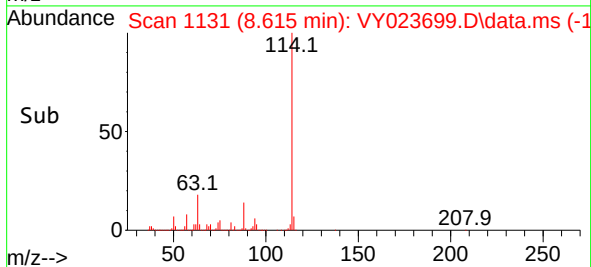
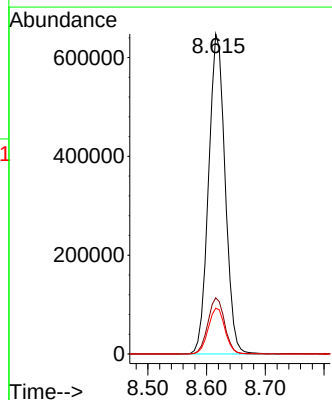
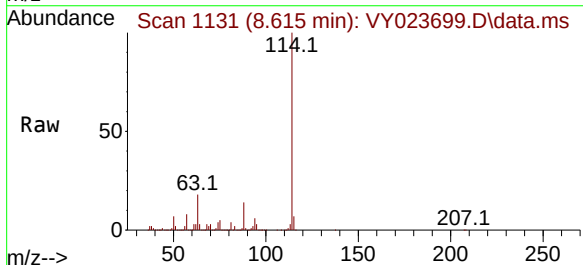
Tgt Ion:114 Resp: 1266522

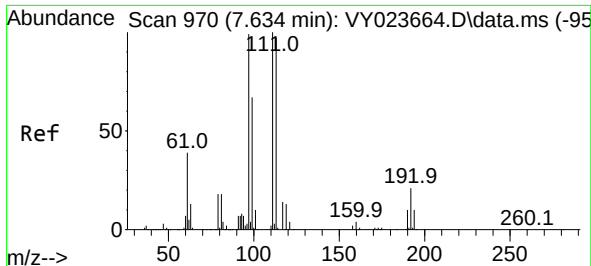
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.3 0.0 29.0

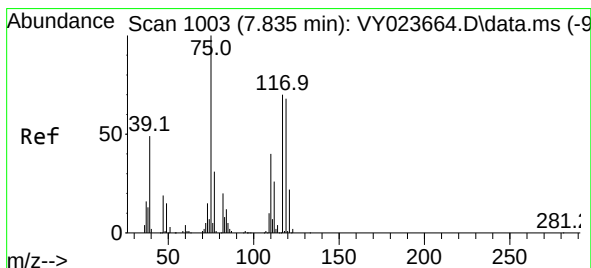
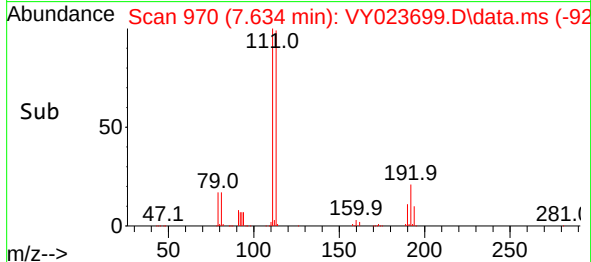
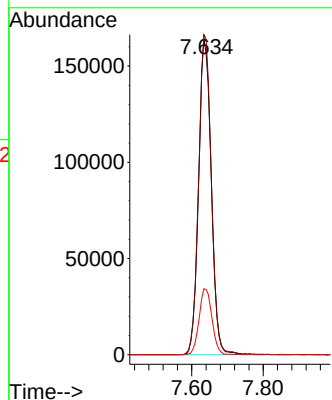
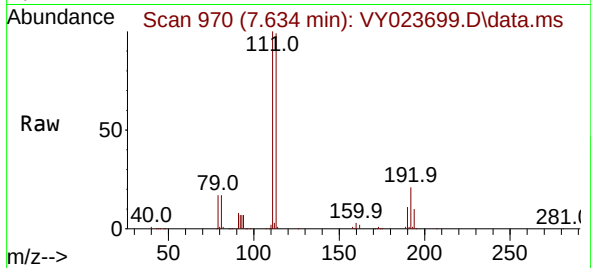




#35
Dibromofluoromethane
Concen: 50.905 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

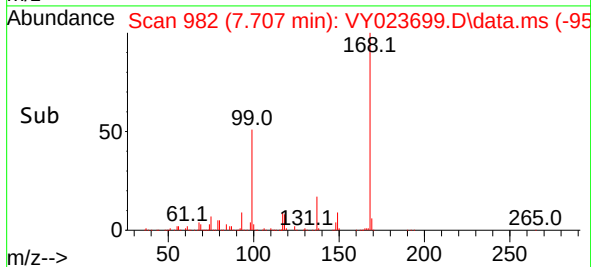
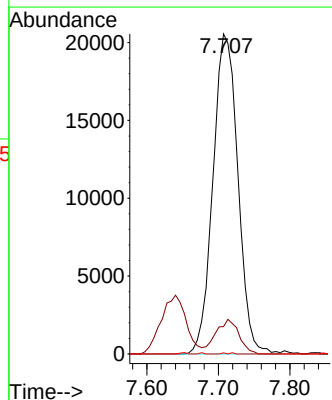
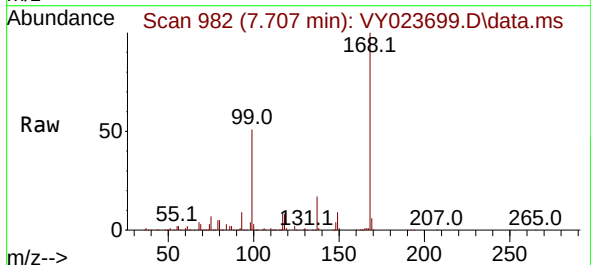
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-110625

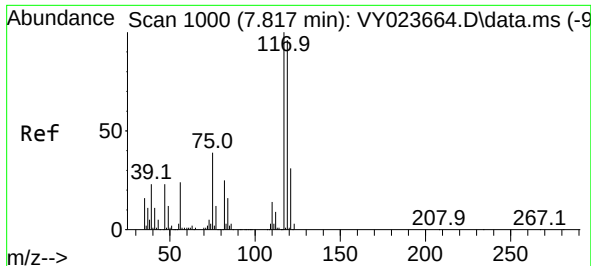
Tgt Ion:113 Resp: 402908
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 21.2 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 75 Resp: 49749
Ion Ratio Lower Upper
75 100
110 10.1 19.7 59.0#
77 0.1 25.2 37.8#

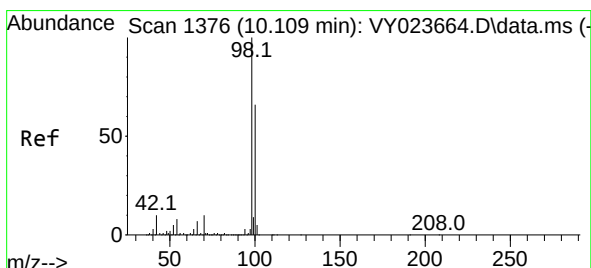
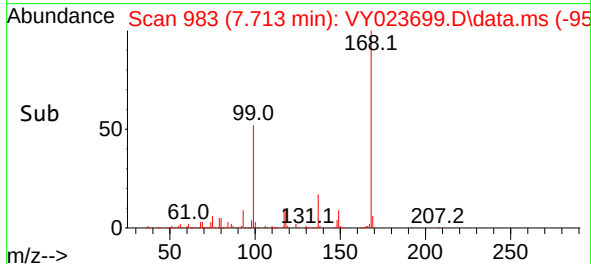
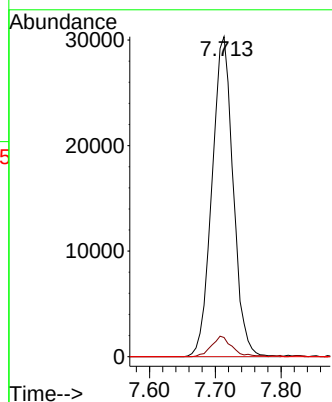
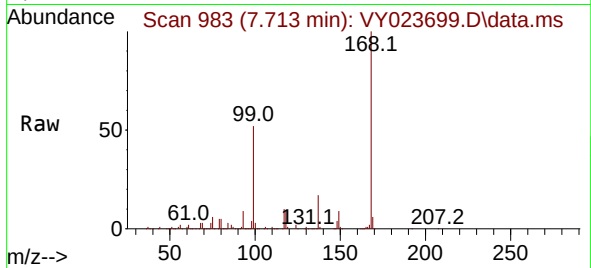




#38
Carbon Tetrachloride
Concen: 5.444 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

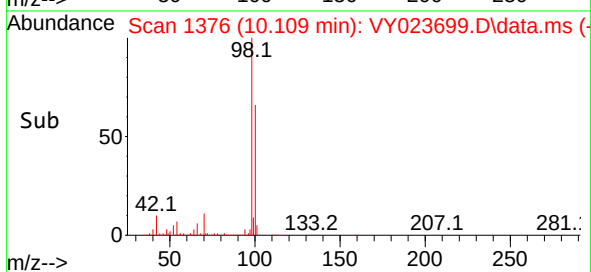
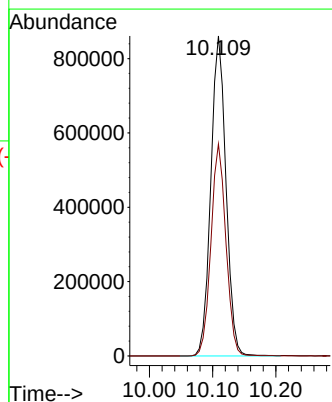
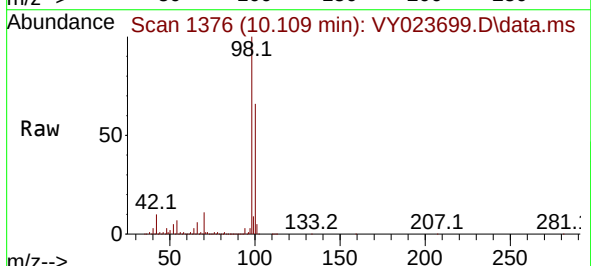
Instrument :
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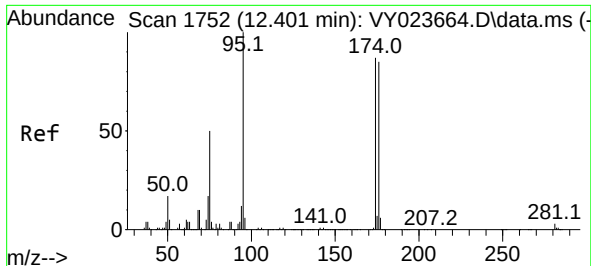
Tgt Ion:117 Resp: 67843
Ion Ratio Lower Upper
117 100
119 6.0 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.660 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 98 Resp: 1434667
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

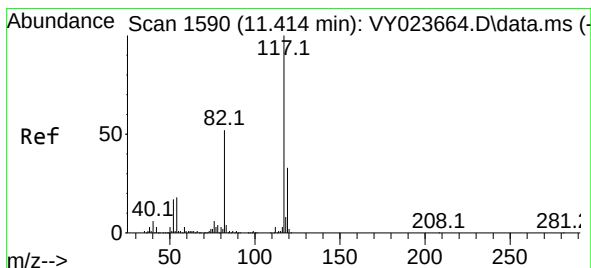
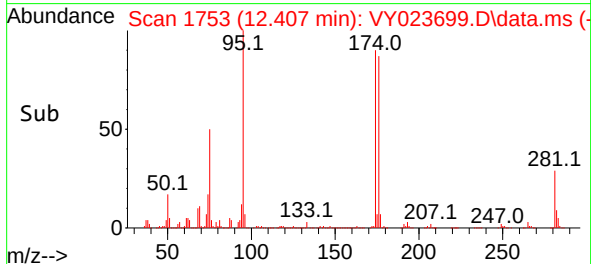
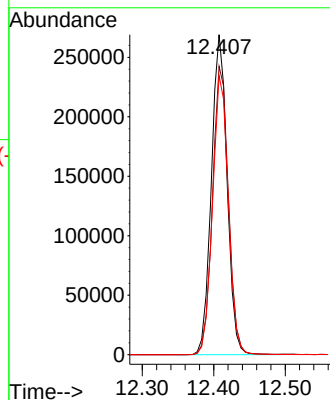
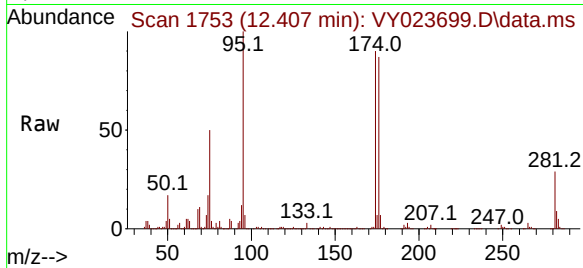




#62
4-Bromofluorobenzene
Concen: 43.004 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

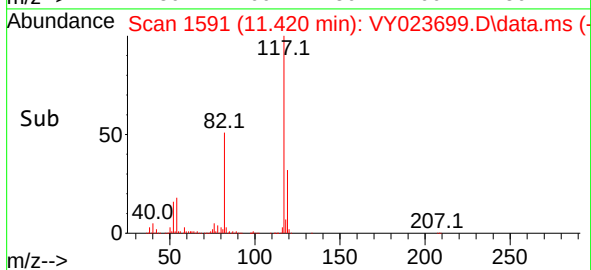
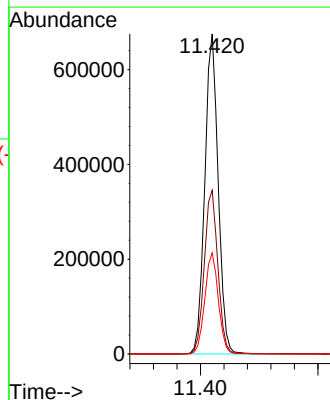
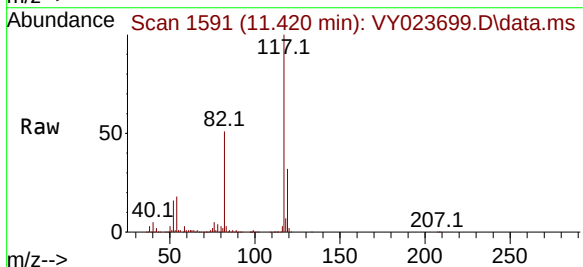
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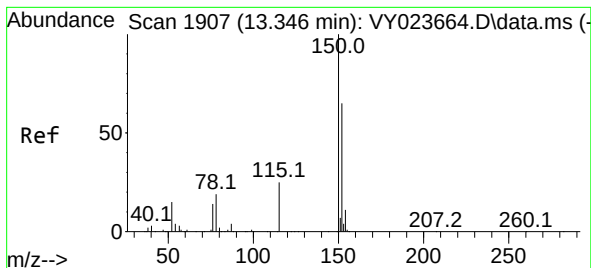
Tgt Ion: 95 Resp: 410035
Ion Ratio Lower Upper
95 100
174 91.2 0.0 184.8
176 87.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 117 Resp: 1066392
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 31.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023699.D

Acq: 06 Nov 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-110625

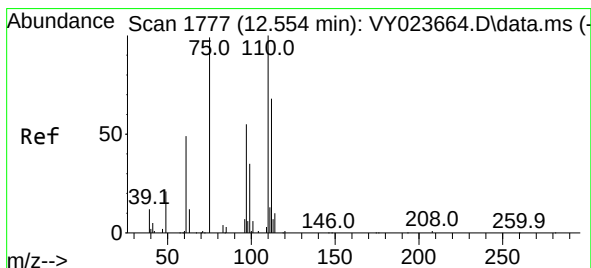
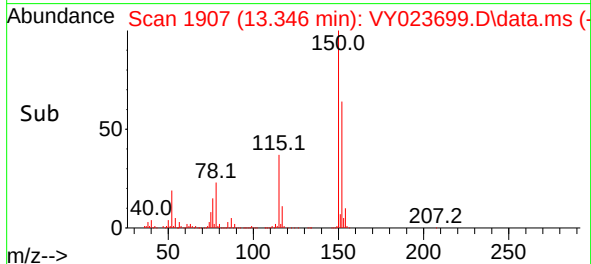
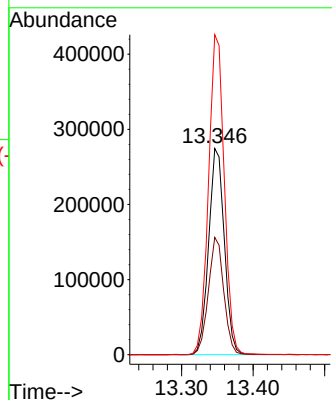
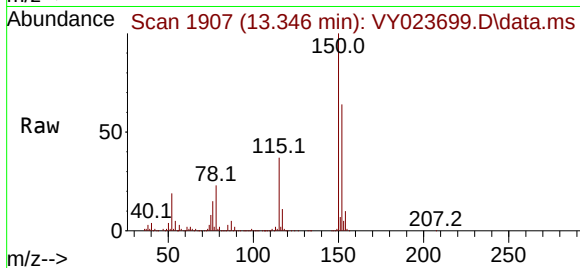
Tgt Ion:152 Resp: 419114

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.5

150 155.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 60.626 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023699.D

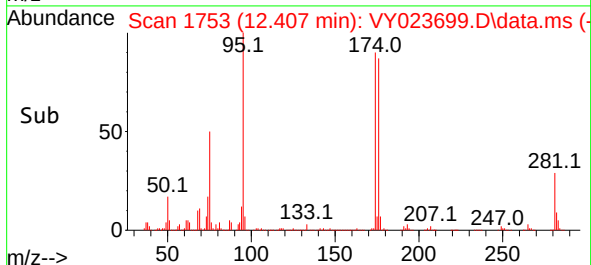
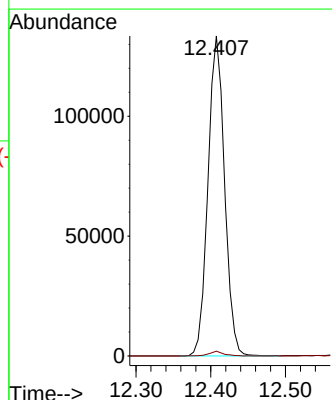
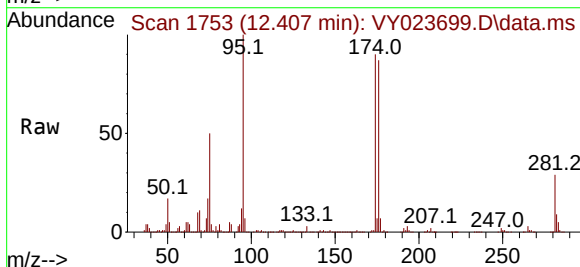
Acq: 06 Nov 2025 14:05

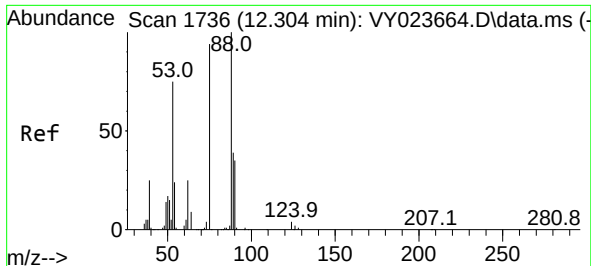
Tgt Ion: 75 Resp: 205641

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

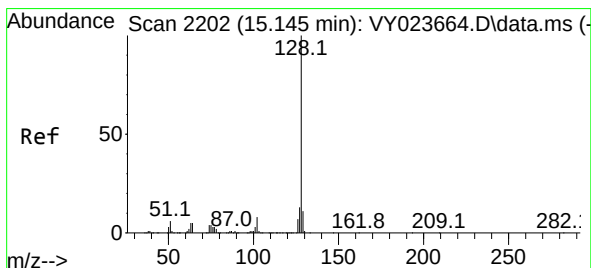
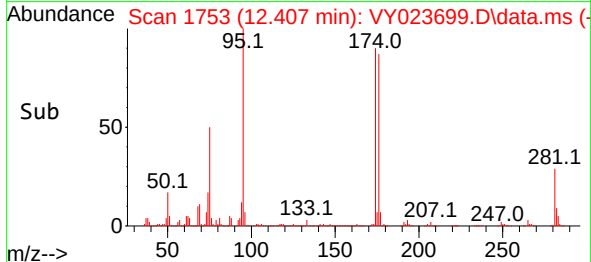
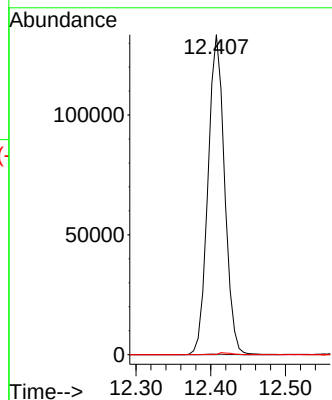
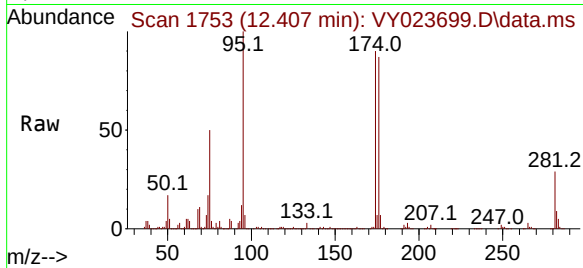




#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.012 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY023699.D
 Acq: 06 Nov 2025 14:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-110625

Tgt Ion: 75 Resp: 205641
 Ion Ratio Lower Upper
 75 100
 53 0.2 69.6 104.4#
 89 0.5 38.2 57.4#



#95
 Naphthalene
 Concen: 5.677 ug/l
 RT: 15.151 min Scan# 2203
 Delta R.T. 0.006 min
 Lab File: VY023699.D
 Acq: 06 Nov 2025 14:05

Tgt Ion: 128 Resp: 5724
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.5 15.7
 129 9.7 8.8 13.2

