

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023943.D
 Acq On : 11 Dec 2025 10:21
 Operator : SY/MD
 Sample : Q3831-01
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-12102025

Quant Time: Dec 12 03:19:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

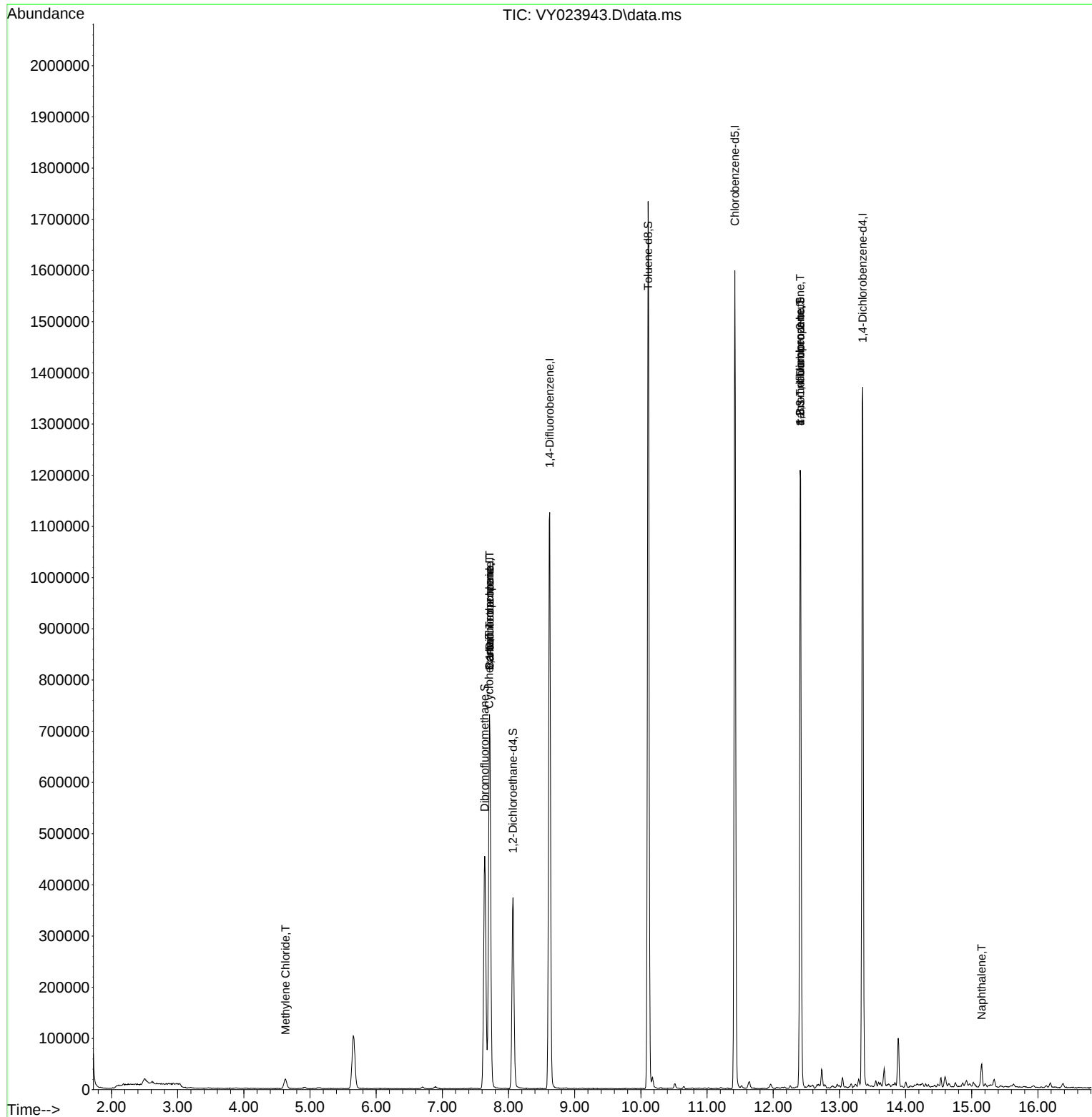
Internal Standards						
1) Pentafluorobenzene	7.713	168	608740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1016922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	866177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	373549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	293472	54.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.060%			
35) Dibromofluoromethane	7.640	113	321441	48.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.720%			
50) Toluene-d8	10.109	98	1148846	46.419	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.840%			
62) 4-Bromofluorobenzene	12.408	95	346177	41.884	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.760%			
Target Compounds						
16) Acetone	3.891	43	2440	Below Cal	Qvalue 90	
20) Methylene Chloride	4.628	84	14740	2.328	ug/l	96
31) Cyclohexane	7.707	56	10145	1.099	ug/l #	11
36) 1,1-Dichloropropene	7.713	75	39330	4.346	ug/l #	49
38) Carbon Tetrachloride	7.713	117	55647	5.073	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	173219	54.819	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	173219	124.781	ug/l #	12
95) Naphthalene	15.151	128	35524	3.430	ug/l	98

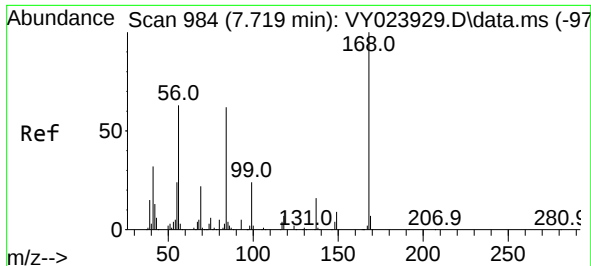
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :
PL-01-12102025

Quant Time: Dec 12 03:19:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
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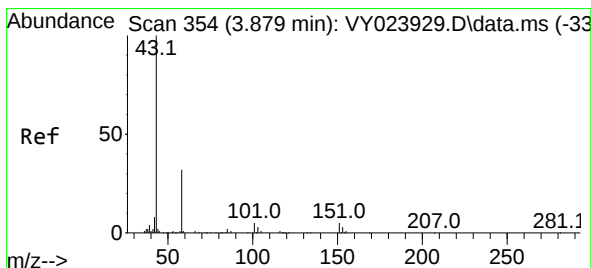
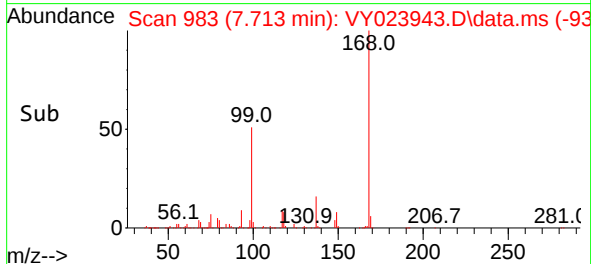
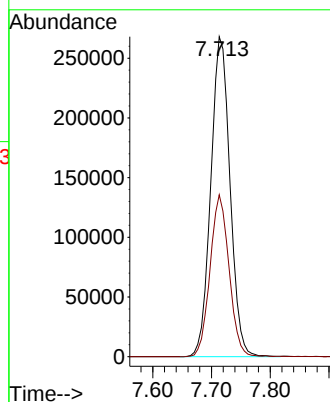
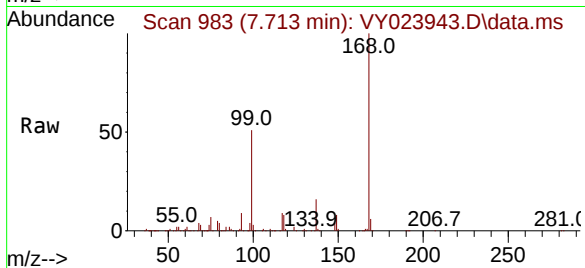




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

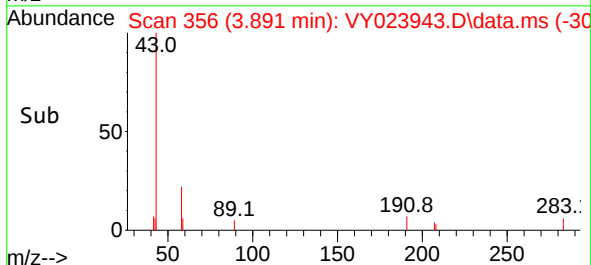
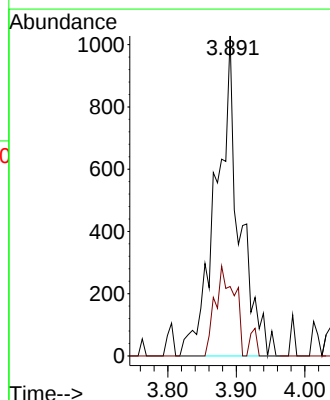
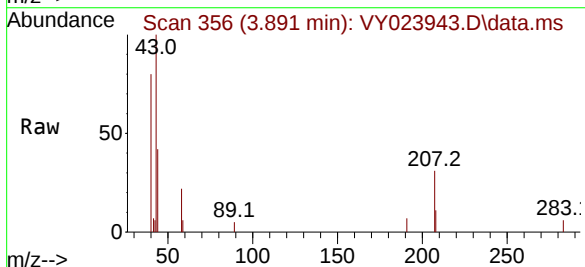
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

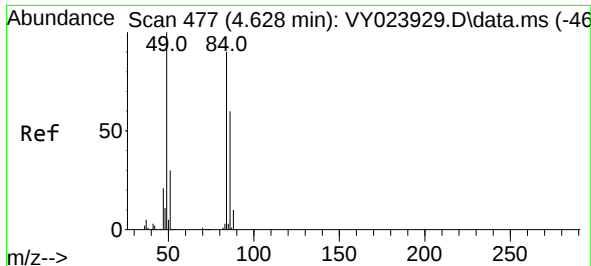
Tgt Ion:168 Resp: 608740
Ion Ratio Lower Upper
168 100
99 50.6 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
58 27.3 26.4 39.6

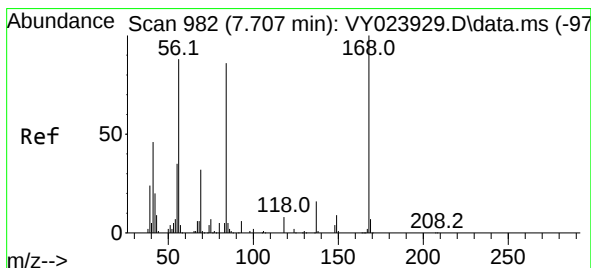
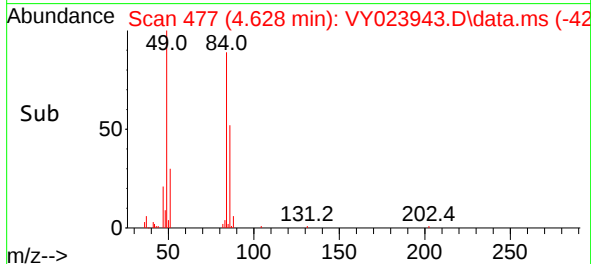
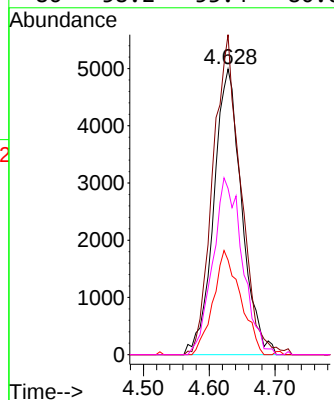
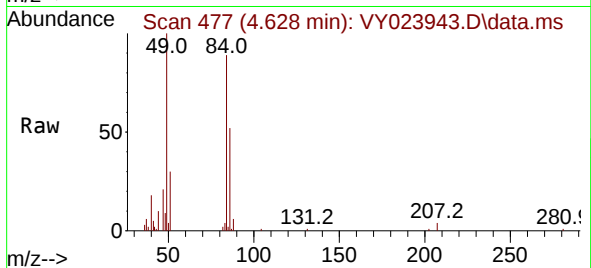




#20
Methylene Chloride
Concen: 2.328 ug/l
RT: 4.628 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

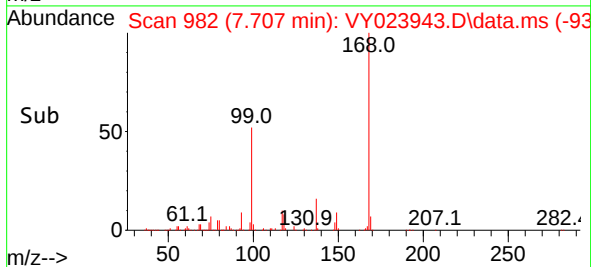
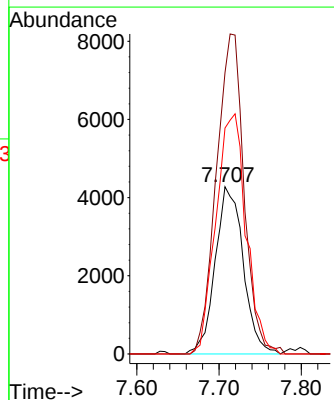
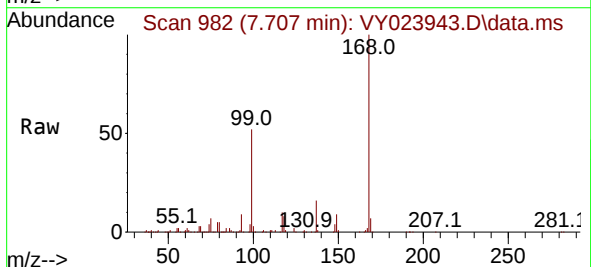
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

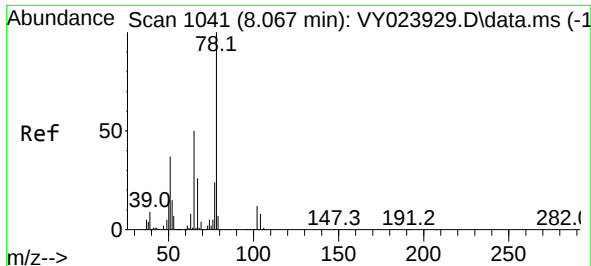
Tgt Ion:	84	Resp:	14740
Ion	Ratio	Lower	Upper
84	100		
49	112.1	89.1	133.7
51	33.1	26.6	39.8
86	58.2	53.4	80.0



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion:	56	Resp:	10145
Ion	Ratio	Lower	Upper
56	100		
69	168.3	29.1	43.7#
84	135.1	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 54.527 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023943.D

Acq: 11 Dec 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

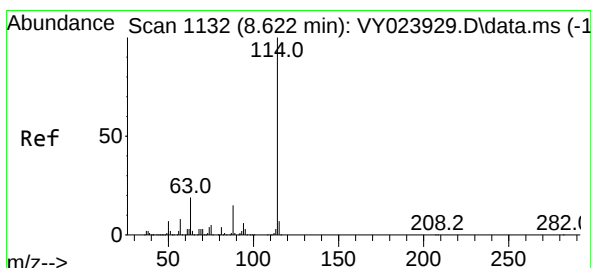
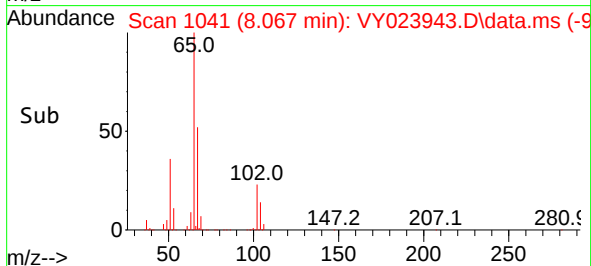
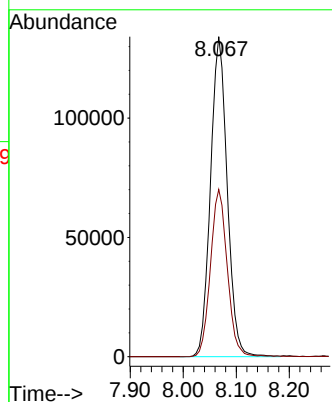
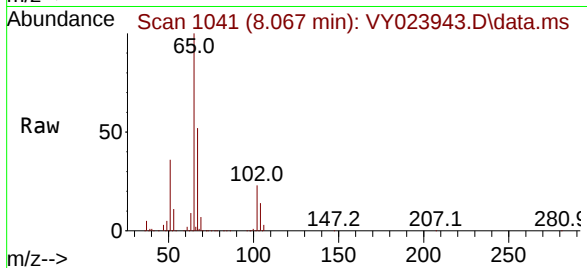
PL-01-12102025

Tgt Ion: 65 Resp: 293472

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY023943.D

Acq: 11 Dec 2025 10:21

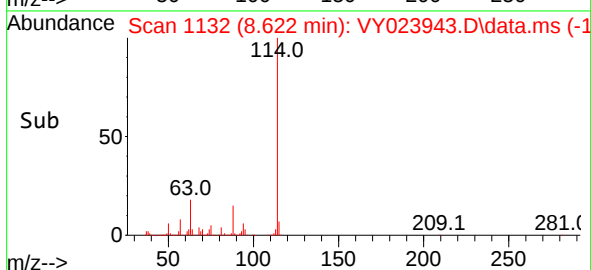
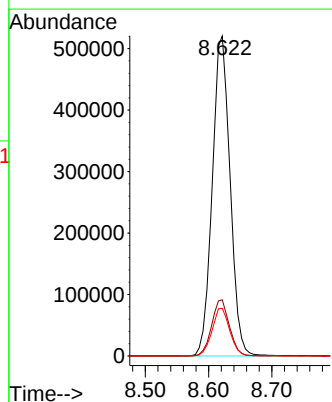
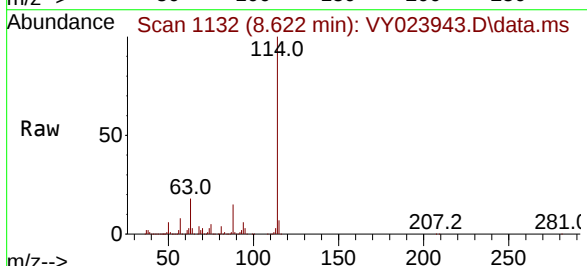
Tgt Ion: 114 Resp: 1016922

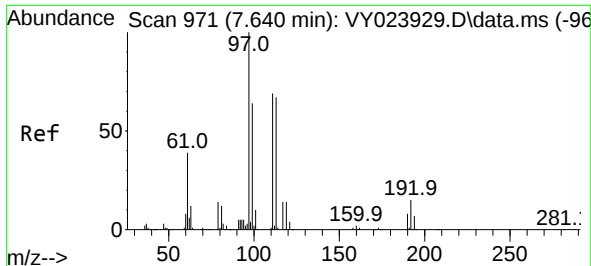
Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.2

88 14.9 0.0 29.4

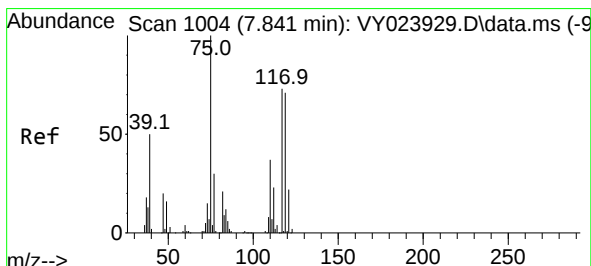
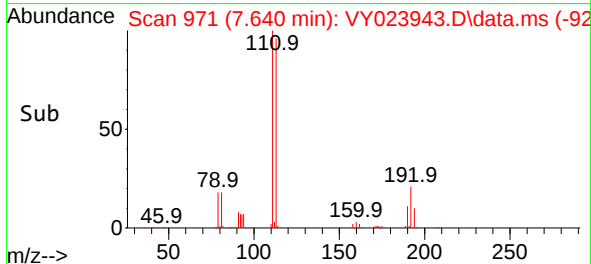
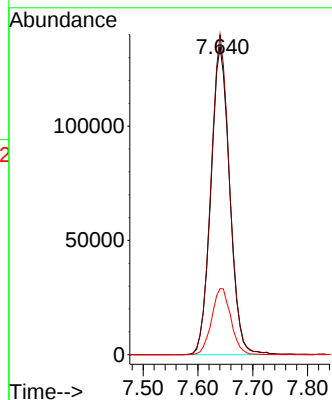
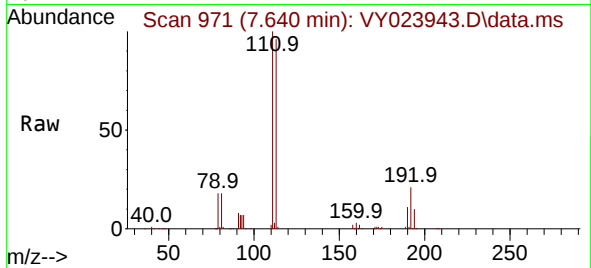




#35
Dibromofluoromethane
Concen: 48.355 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

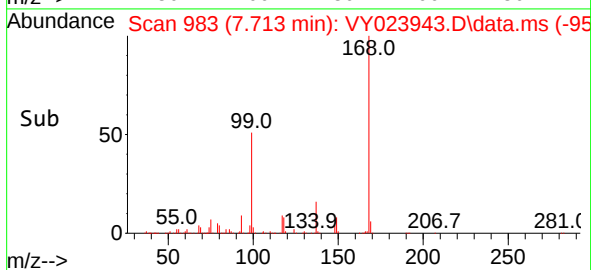
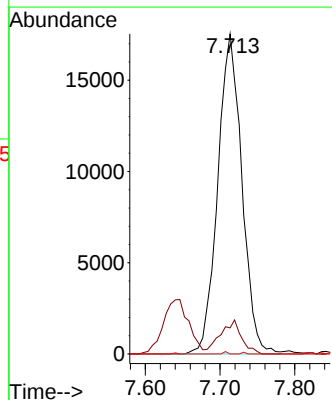
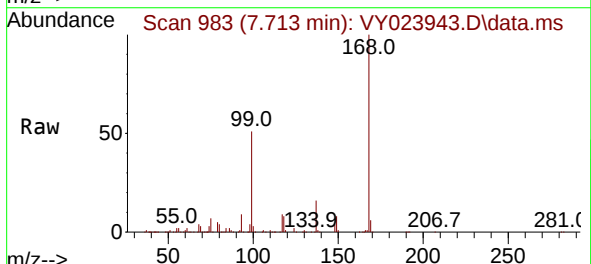
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

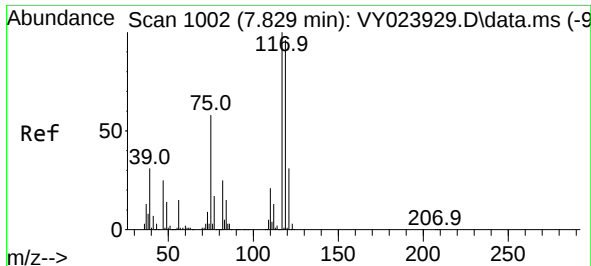
Tgt Ion:113 Resp: 321441
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 21.9 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.346 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 75 Resp: 39330
Ion Ratio Lower Upper
75 100
110 9.4 19.2 57.6#
77 0.1 24.4 36.6#

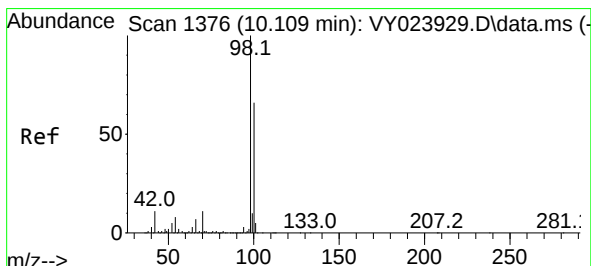
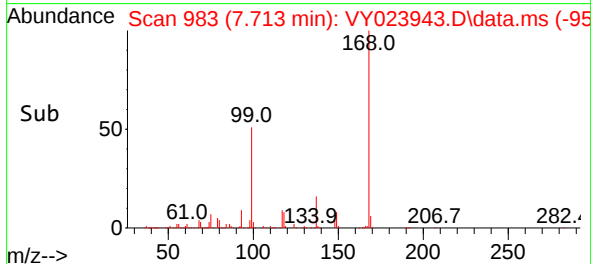
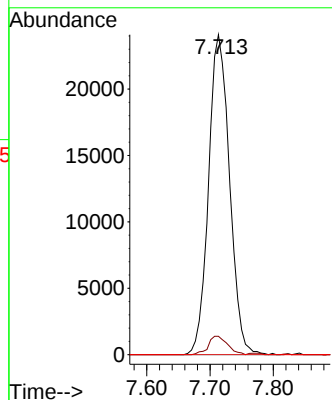
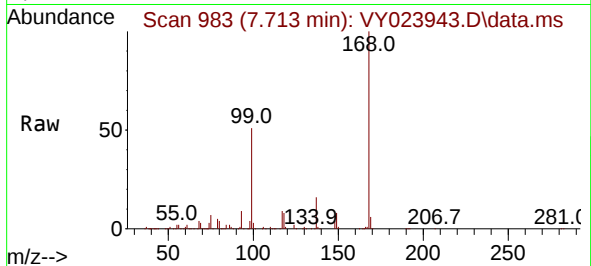




#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

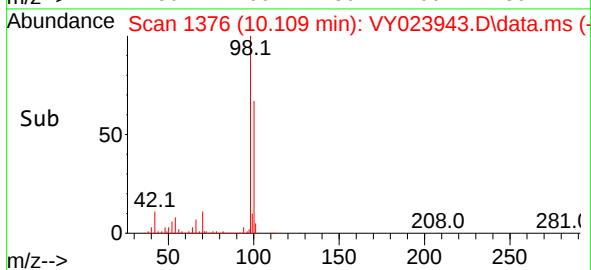
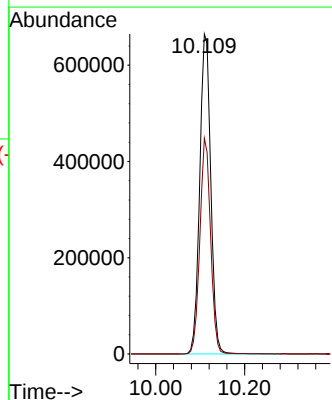
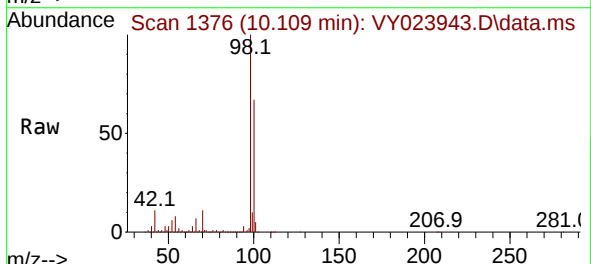
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

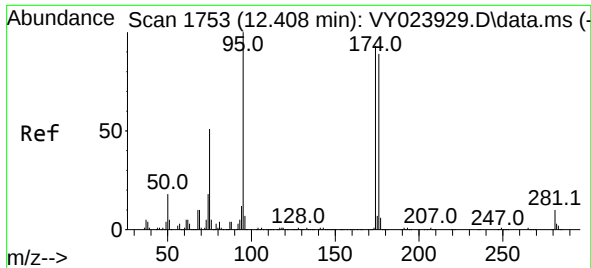
Tgt Ion:117 Resp: 55647
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.419 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 98 Resp: 1148846
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2

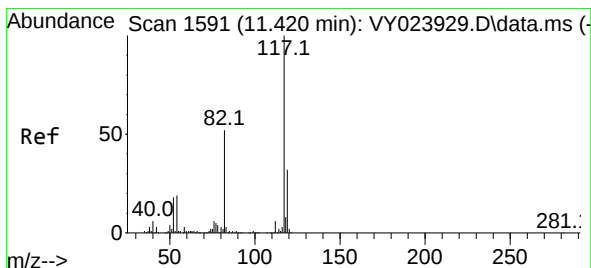
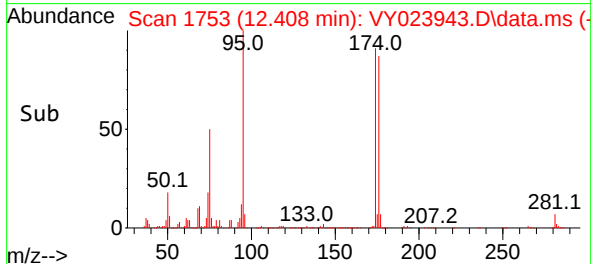
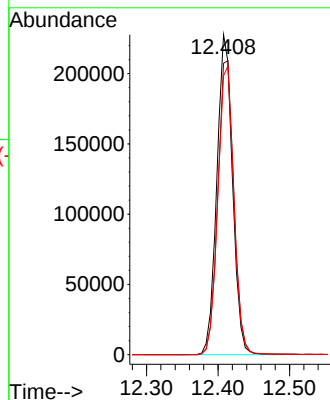
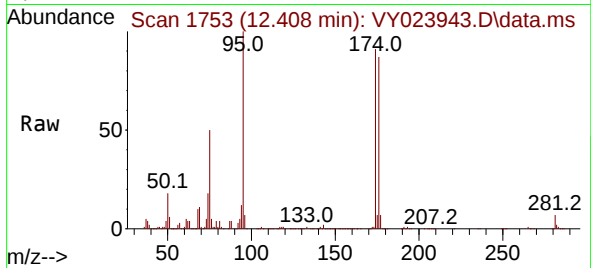




#62
4-Bromofluorobenzene
Concen: 41.884 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

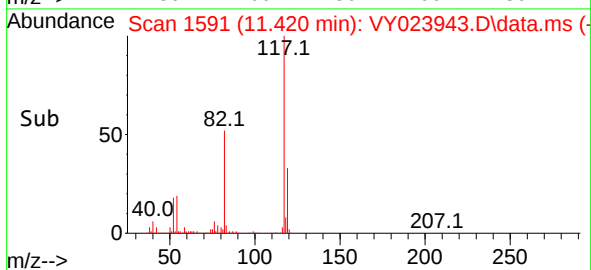
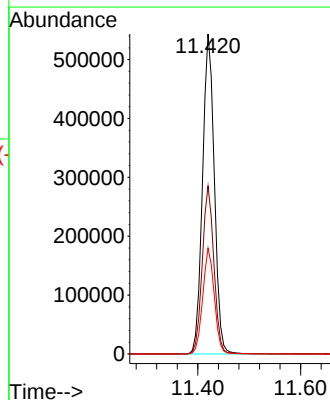
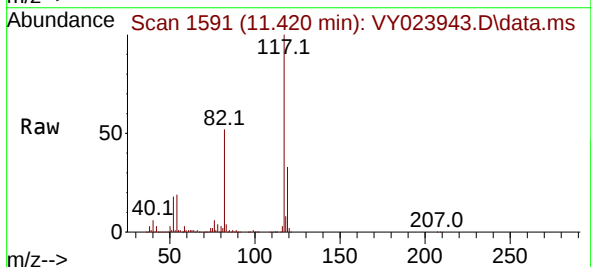
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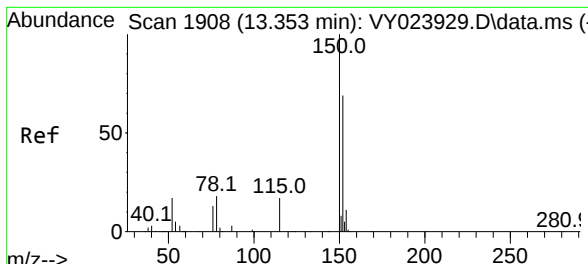
Tgt Ion: 95 Resp: 346177
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 91.8 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 117 Resp: 866177
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.2
119 33.1 25.5 38.3

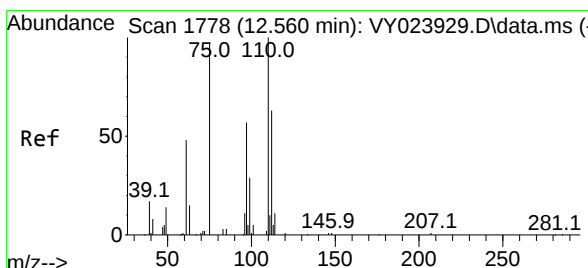
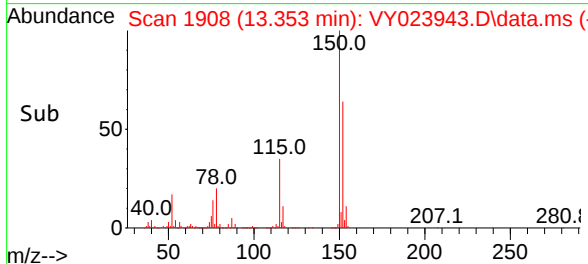
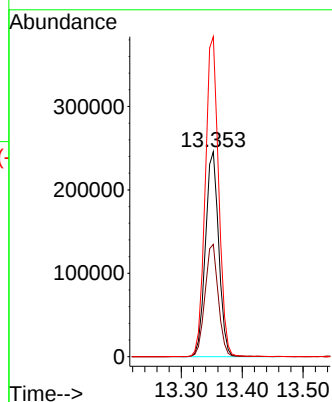
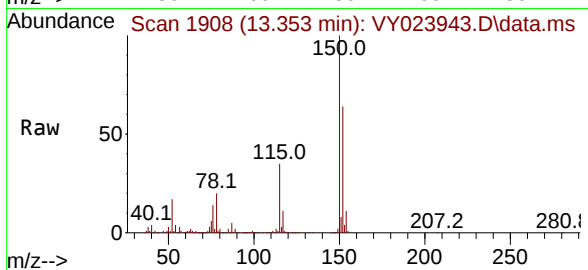




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY023943.D
 Acq: 11 Dec 2025 10:21

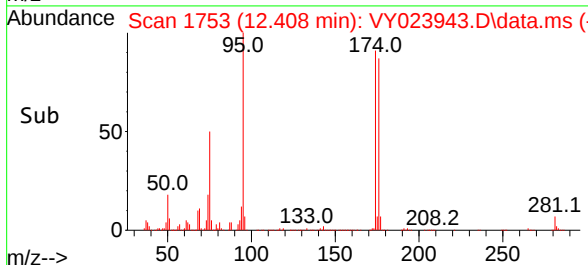
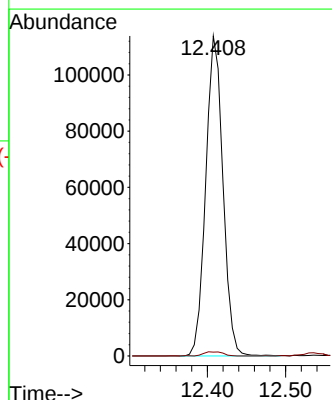
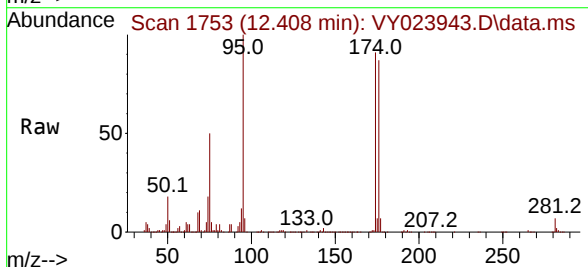
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-12102025

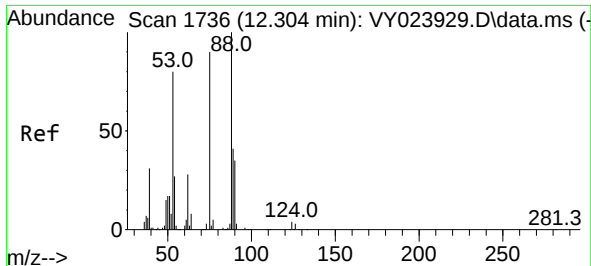
Tgt Ion:	152	Resp:	373549
Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	156.6	0.0	347.6



#76
 1,2,3-Trichloropropane
 Concen: 54.819 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY023943.D
 Acq: 11 Dec 2025 10:21

Tgt Ion:	75	Resp:	173219
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

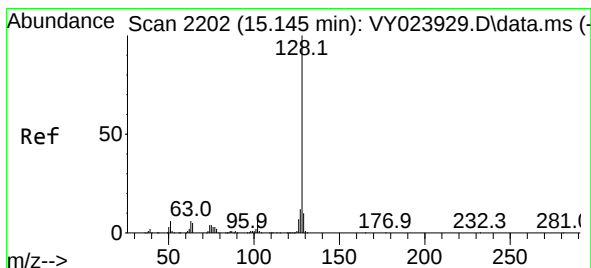
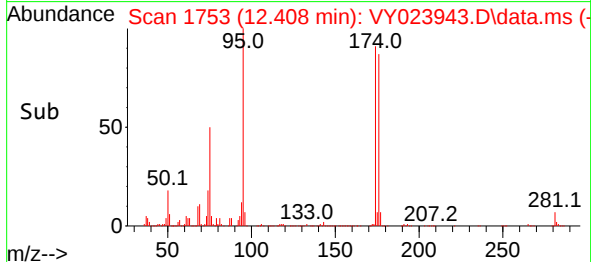
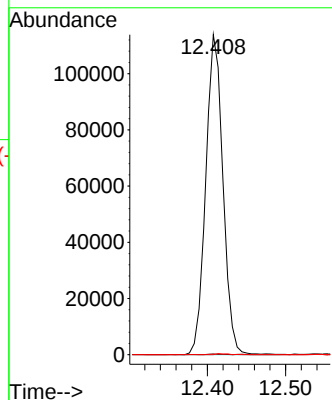
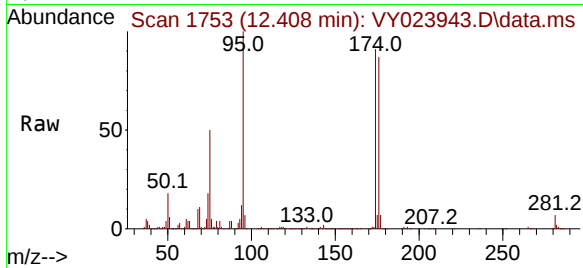




#81
trans-1,4-Dichloro-2-butene
Concen: 124.781 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

Tgt Ion: 75 Resp: 173219
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.2 38.9 58.3#



#95
Naphthalene
Concen: 3.430 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion:128 Resp: 35524
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 12.5 8.6 12.8

