

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023736.D
 Acq On : 11 Nov 2025 13:40
 Operator : SY/MD
 Sample : Q3593-11
 Misc : 1.66g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-LAW-25-0156-0166-COMP

Quant Time: Nov 12 03:36:25 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)

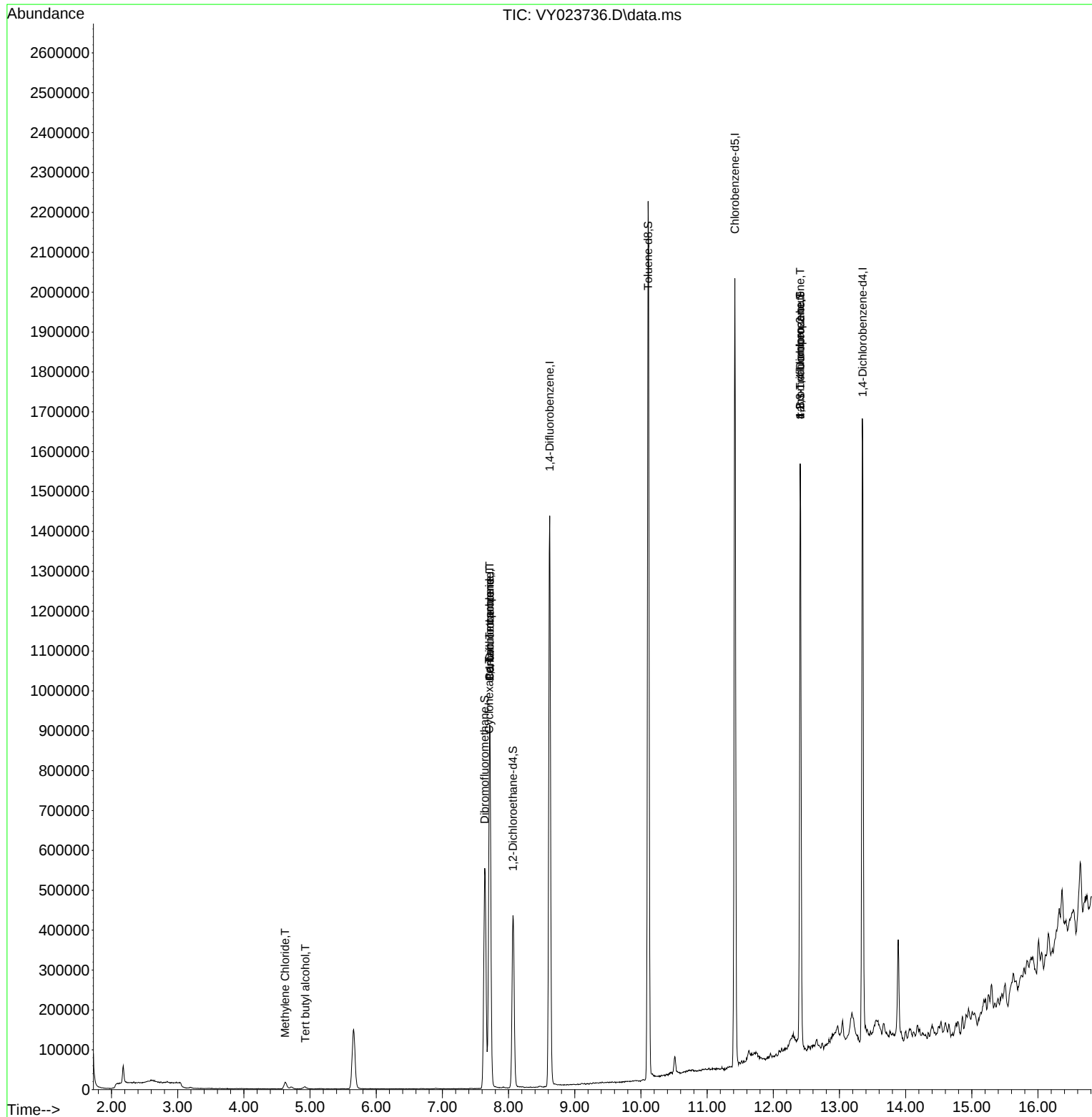
Internal Standards						
1) Pentafluorobenzene	7.719	168	777935	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.621	114	1301257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1110234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	434662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	346449	53.257	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.520%	
35) Dibromofluoromethane	7.640	113	402726	50.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.740%	
50) Toluene-d8	10.109	98	1485231	49.879	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.407	95	445973	45.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.927	59	4512	9.323	ug/l #	89
20) Methylene Chloride	4.622	84	13079	1.562	ug/l #	94
31) Cyclohexane	7.707	56	13249	1.224	ug/l #	4
36) 1,1-Dichloropropene	7.713	75	49409	4.668	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70791	5.515	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	213162	55.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	213162	136.305	ug/l #	15

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

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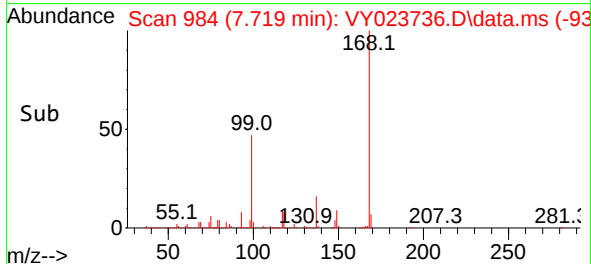
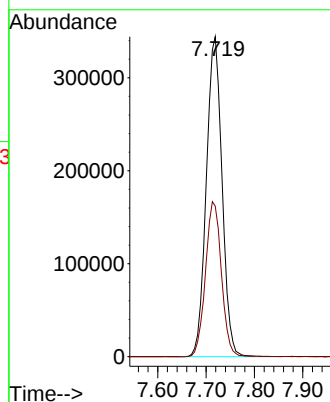
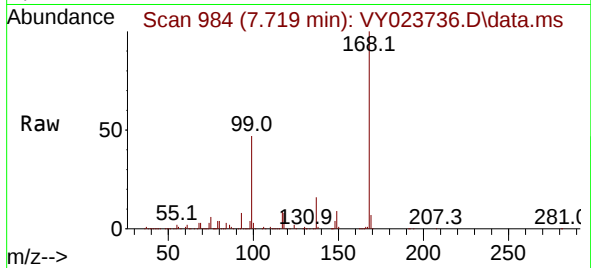




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

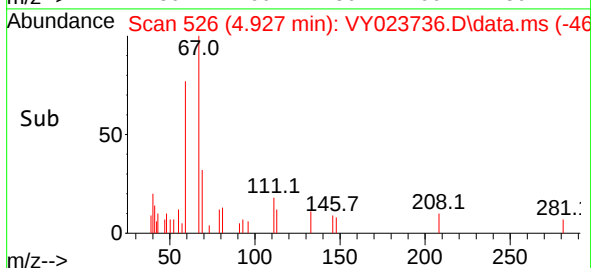
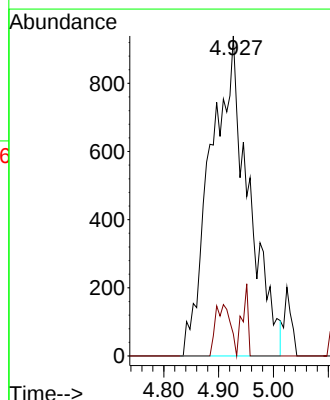
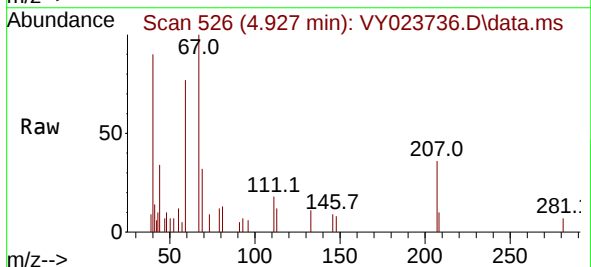
Instrument :
MSVOA_Y
ClientSampleId :
D-LAW-25-0156-0166-COMP

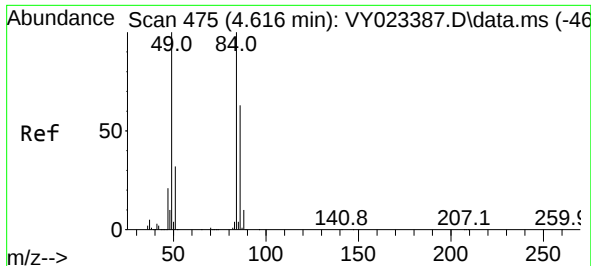
Tgt Ion:168 Resp: 777935
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 9.323 ug/l
RT: 4.927 min Scan# 526
Delta R.T. 0.067 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

Tgt Ion: 59 Resp: 4512
Ion Ratio Lower Upper
59 100
57 6.3 8.3 12.5#

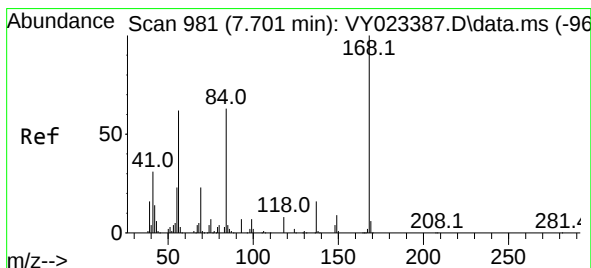
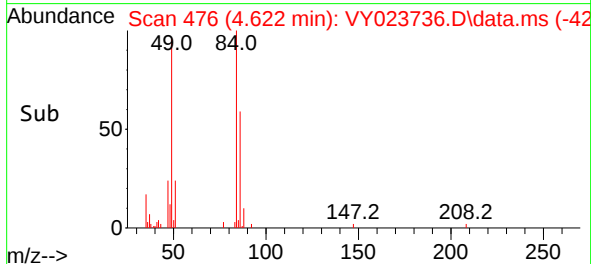
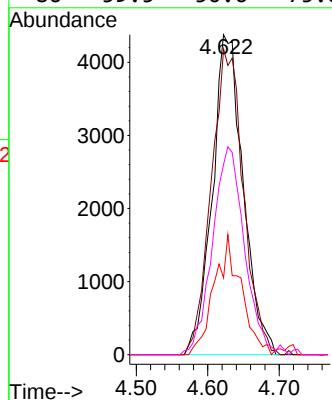
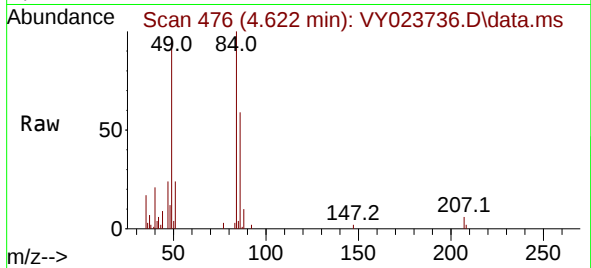




#20
Methylene Chloride
Concen: 1.562 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

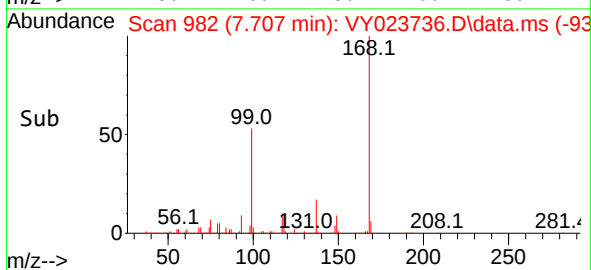
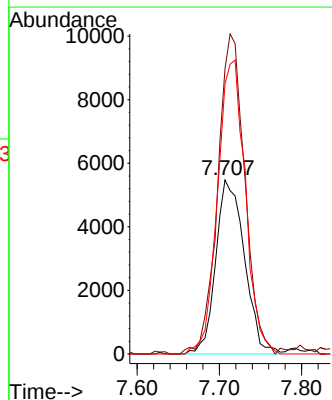
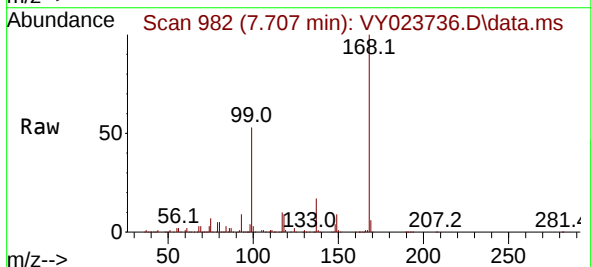
Instrument :
MSVOA_Y
ClientSampleId :
D-LAW-25-0156-0166-COMP

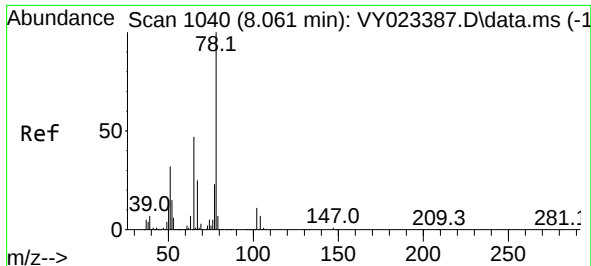
Tgt Ion:	84	Resp:	13079
Ion	Ratio	Lower	Upper
84	100		
49	95.5	80.2	120.4
51	24.0	25.9	38.9#
86	59.5	50.6	75.8



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

Tgt Ion:	56	Resp:	13249
Ion	Ratio	Lower	Upper
56	100		
69	163.9	30.0	45.0#
84	155.3	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 53.257 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023736.D

Acq: 11 Nov 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

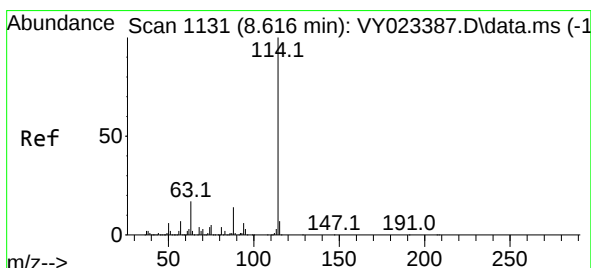
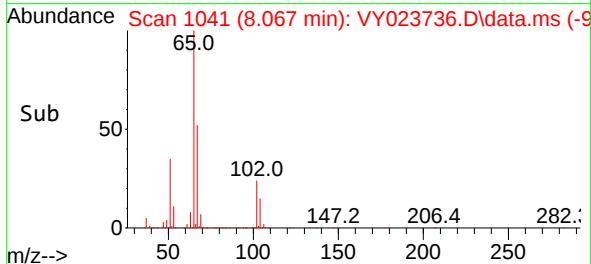
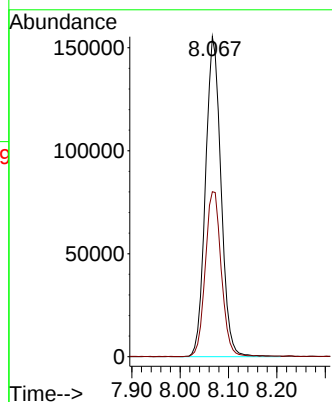
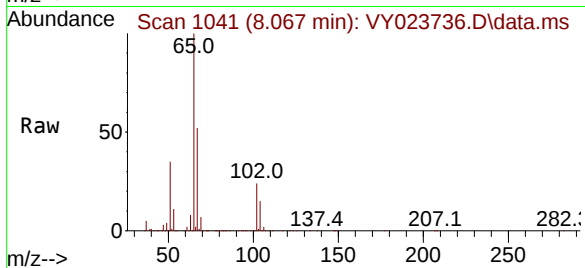
D-LAW-25-0156-0166-COMP

Tgt Ion: 65 Resp: 346449

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023736.D

Acq: 11 Nov 2025 13:40

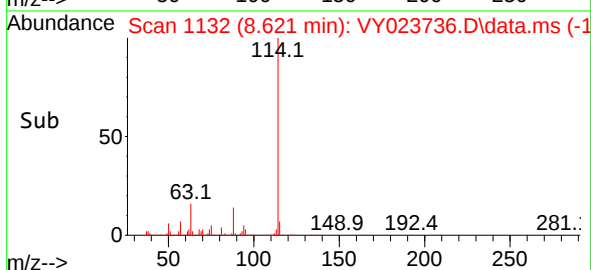
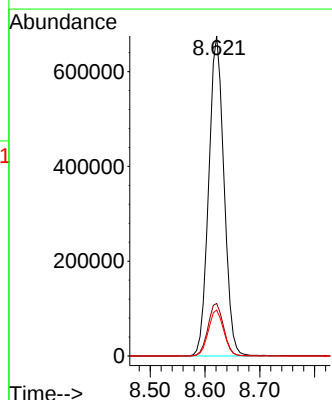
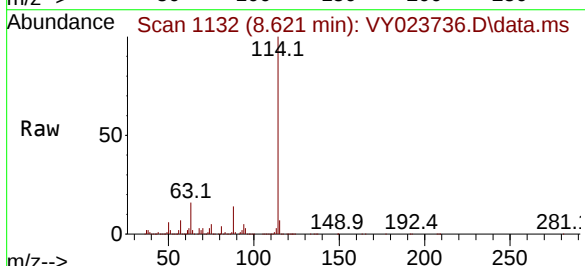
Tgt Ion: 114 Resp: 1301257

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.4 0.0 28.4

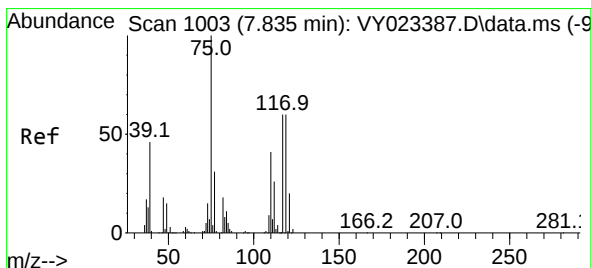
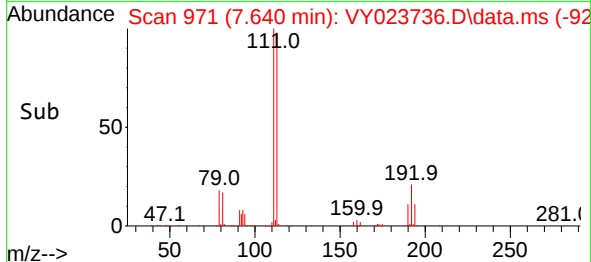
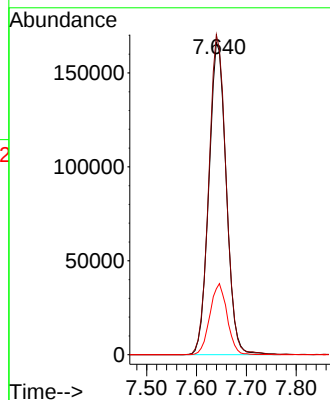
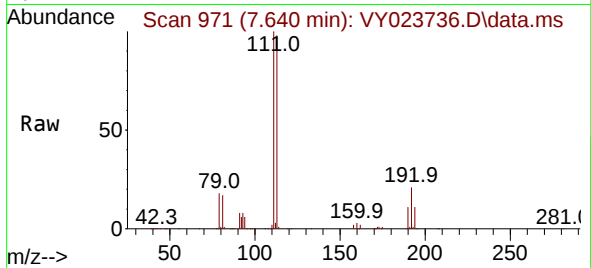




#35
Dibromofluoromethane
Concen: 50.368 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

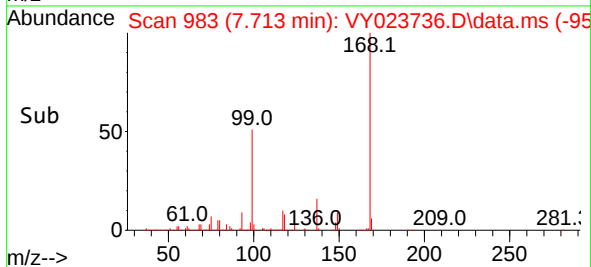
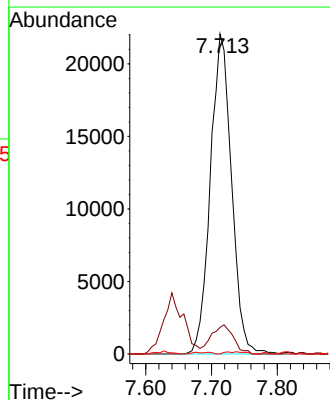
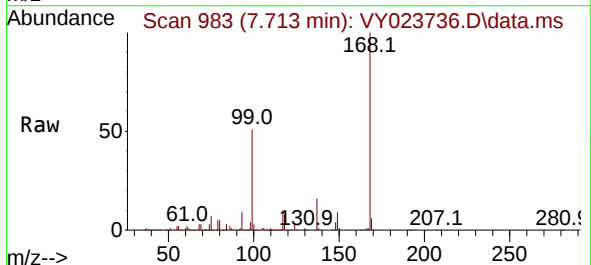
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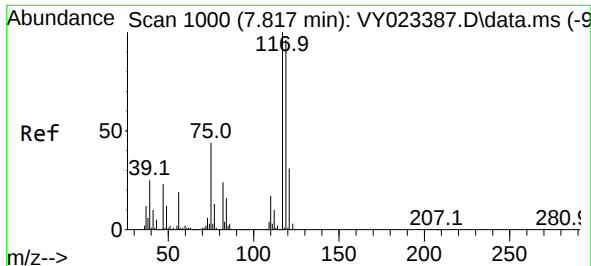
Tgt Ion:113 Resp: 402726
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

Tgt Ion: 75 Resp: 49409
Ion Ratio Lower Upper
75 100
110 9.5 19.9 59.7#
77 0.3 25.0 37.6#

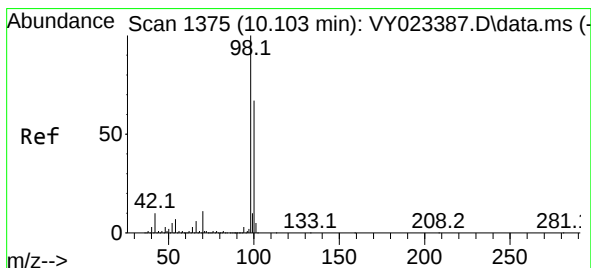
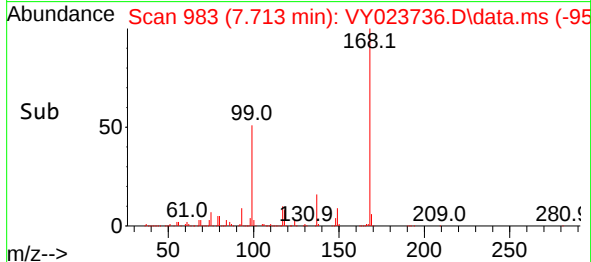
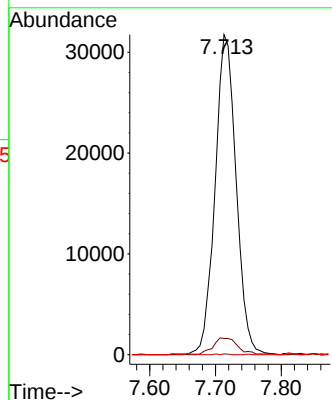
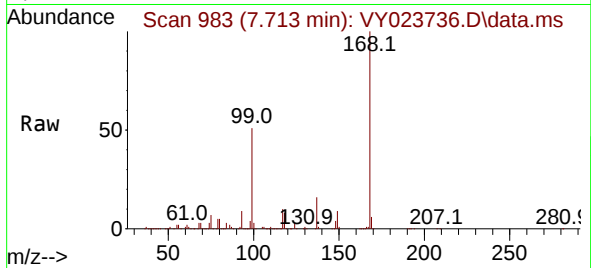




#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

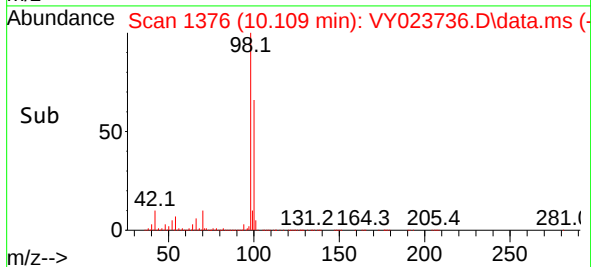
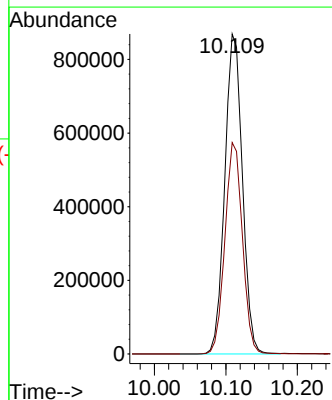
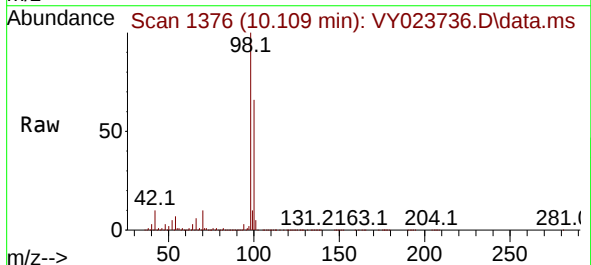
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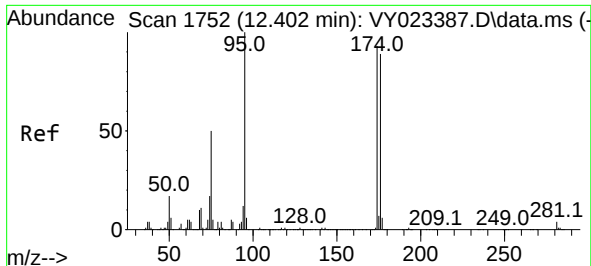
Tgt Ion:117 Resp: 70791
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.2 24.5 36.7#



#50
Toluene-d8
Concen: 49.879 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

Tgt Ion: 98 Resp: 1485231
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

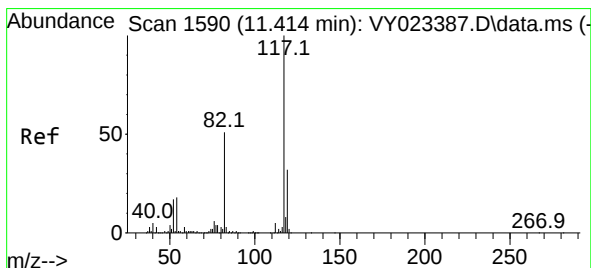
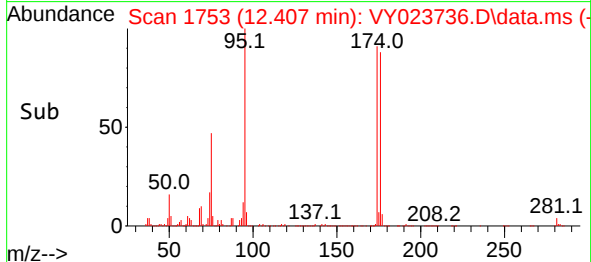
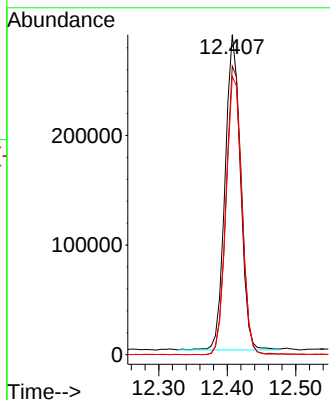
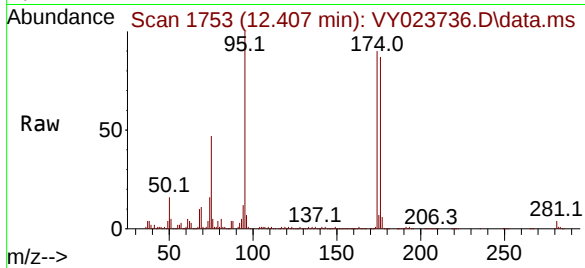




#62
4-Bromofluorobenzene
Concen: 45.365 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

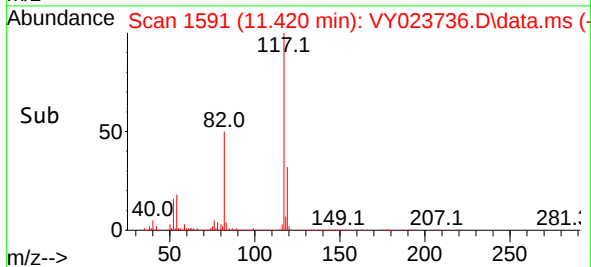
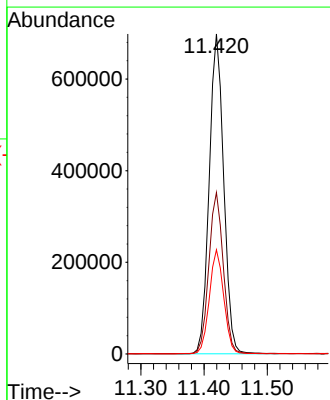
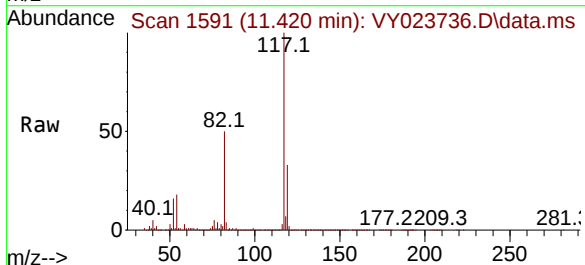
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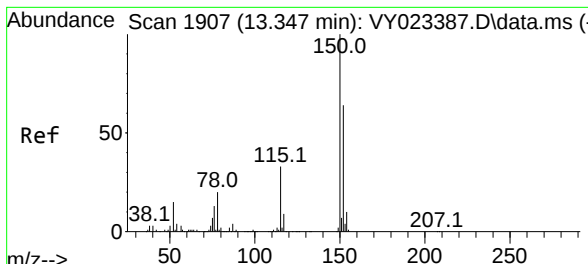
Tgt Ion: 95 Resp: 445973
Ion Ratio Lower Upper
95 100
174 93.7 0.0 192.8
176 90.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023736.D
Acq: 11 Nov 2025 13:40

Tgt Ion: 117 Resp: 1110234
Ion Ratio Lower Upper
117 100
82 50.4 41.0 61.4
119 32.5 25.6 38.4

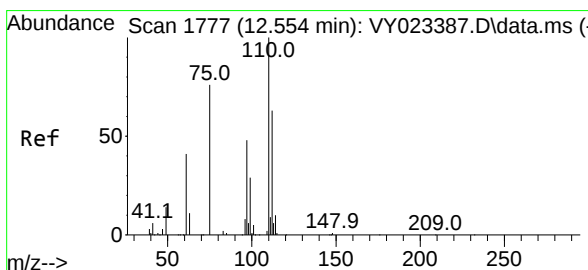
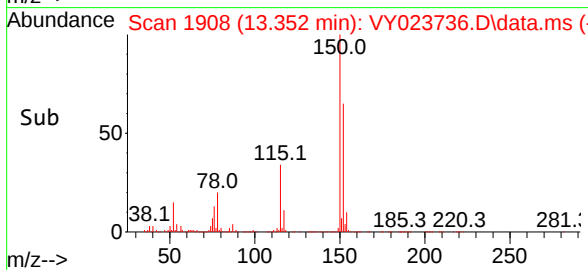
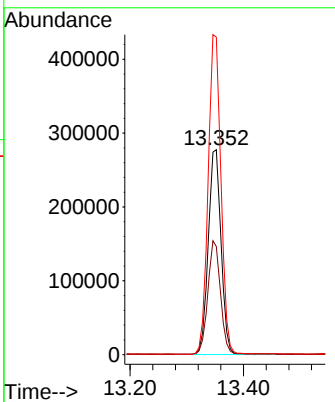
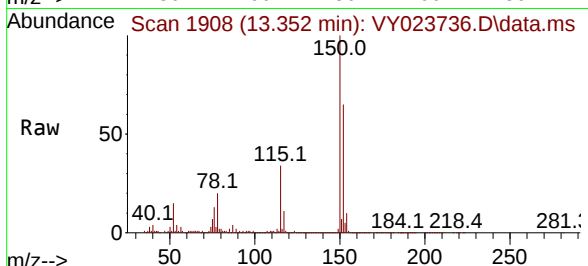




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY023736.D
 Acq: 11 Nov 2025 13:40

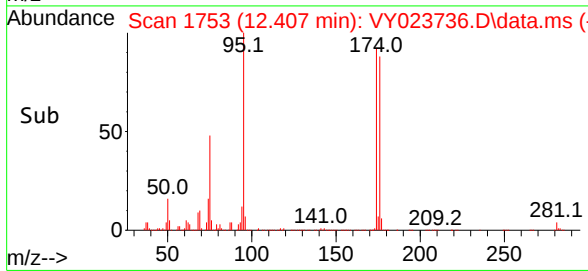
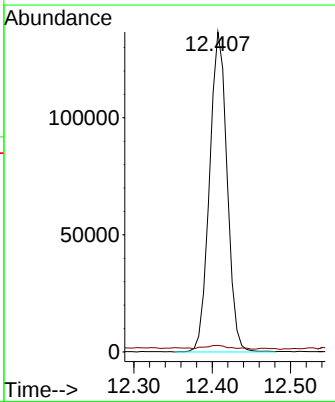
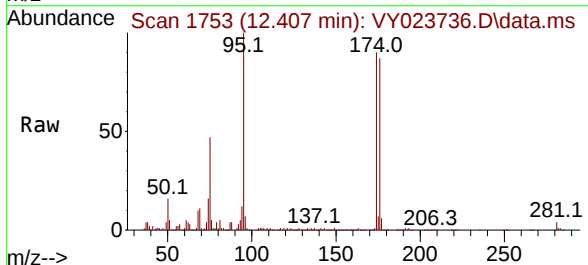
Instrument : MSVOA_Y
 ClientSampleId : D-LAW-25-0156-0166-COMP

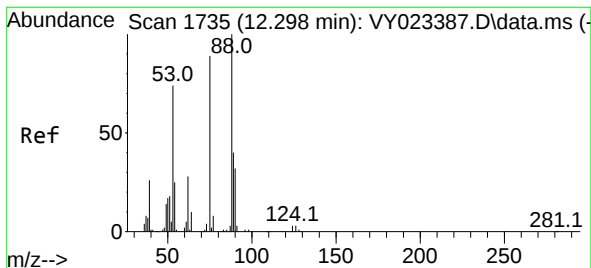
Tgt Ion:	152	Resp:	434662
Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.1	81.2
150	155.8	0.0	347.4



#76
 1,2,3-Trichloropropane
 Concen: 55.585 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY023736.D
 Acq: 11 Nov 2025 13:40

Tgt Ion:	75	Resp:	213162
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.305 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023736.D
 Acq: 11 Nov 2025 13:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-LAW-25-0156-0166-COMP

Tgt Ion: 75 Resp: 213162
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.1 39.0 58.4#

