

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023444.D
 Acq On : 10 Oct 2025 17:11
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 11 02:01:22 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)

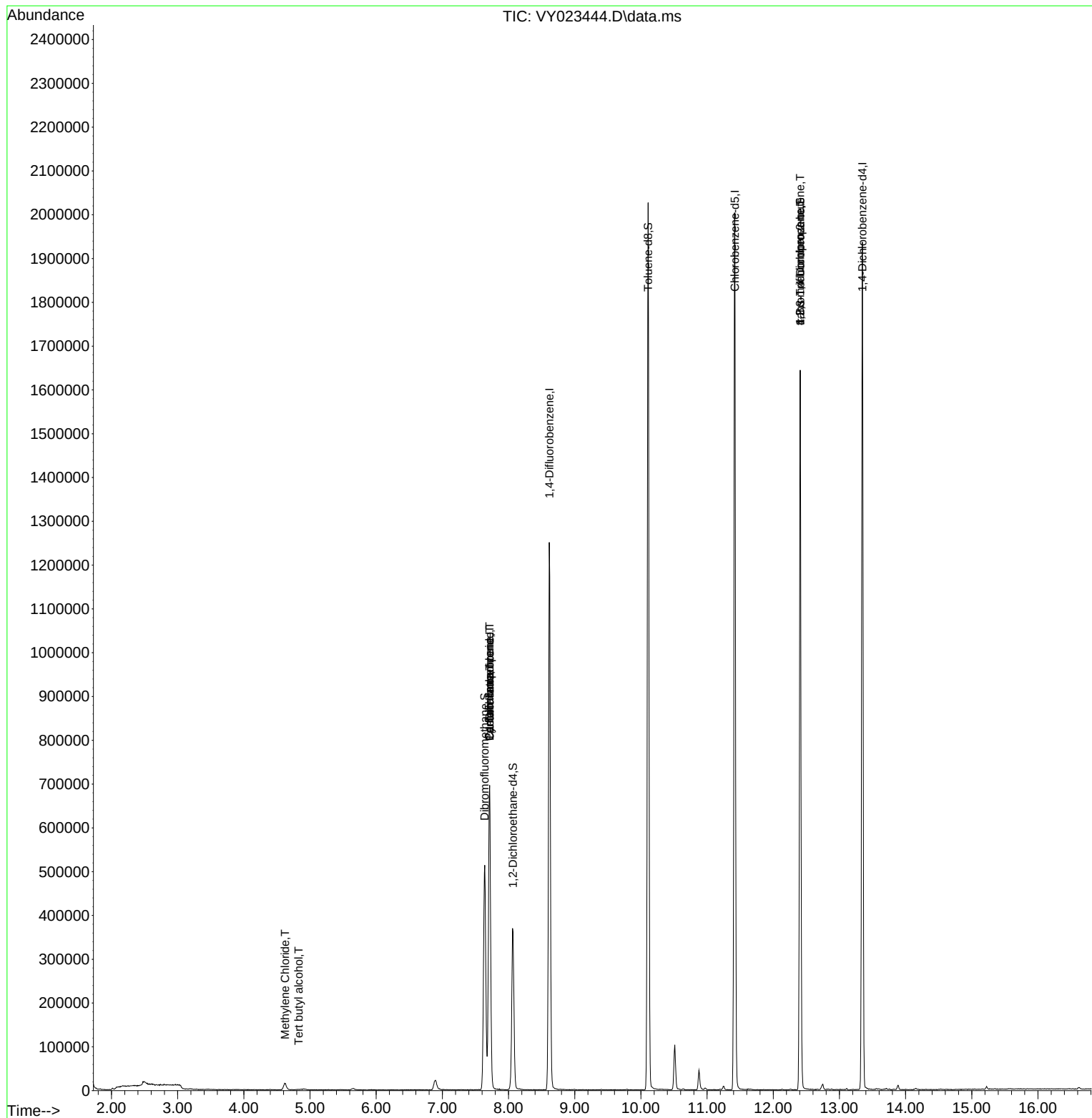
Internal Standards						
1) Pentafluorobenzene	7.713	168	585978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1125300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1155856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	523108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	280567	57.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.520%	
35) Dibromofluoromethane	7.640	113	368629	53.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.109	98	1353722	52.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	12.408	95	470590	55.355	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	749	2.055	ug/l #	72
20) Methylene Chloride	4.622	84	11974	1.898	ug/l	96
31) Cyclohexane	7.713	56	9223	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	37949	4.146	ug/l #	47
38) Carbon Tetrachloride	7.713	117	53100	4.784	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	227881	49.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	227881	121.080	ug/l #	15

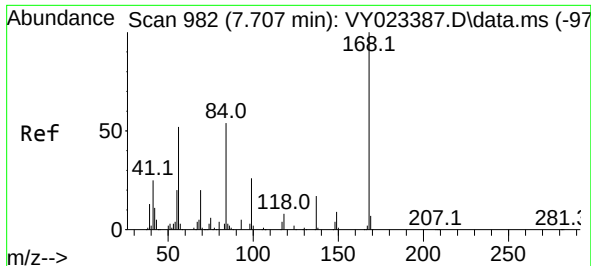
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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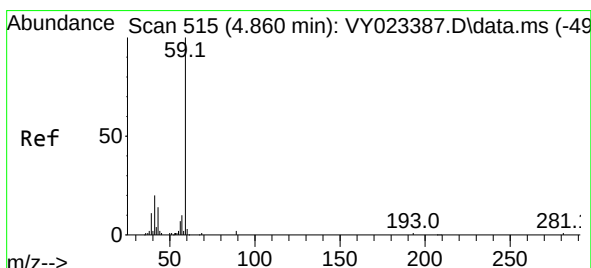
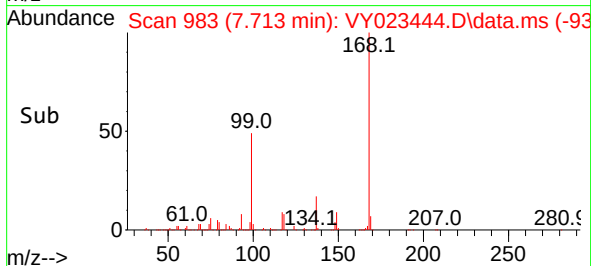
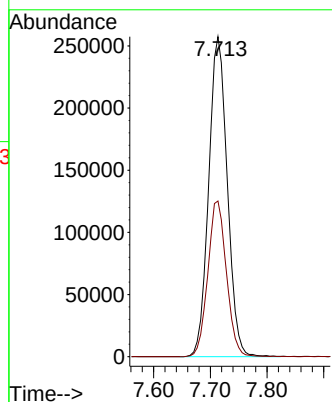
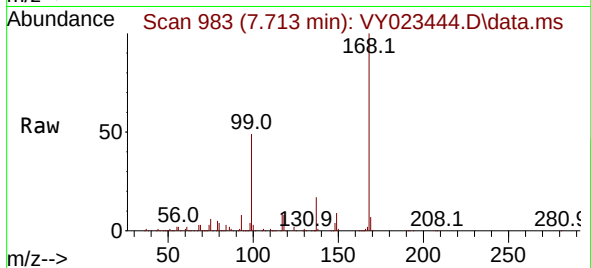




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

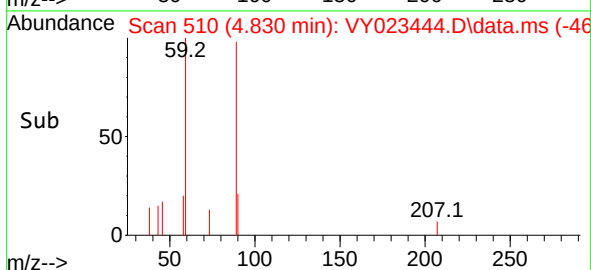
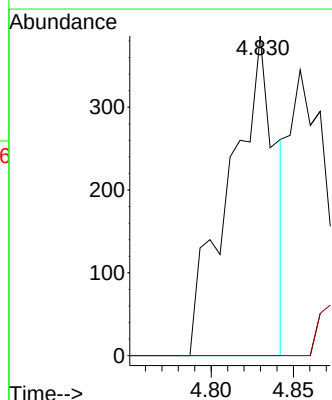
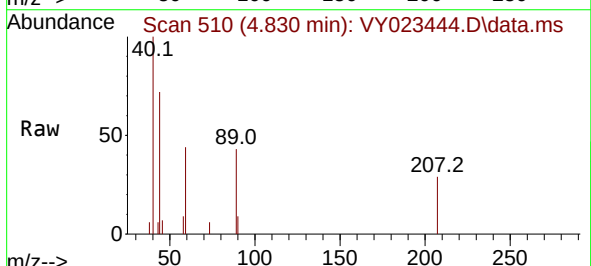
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

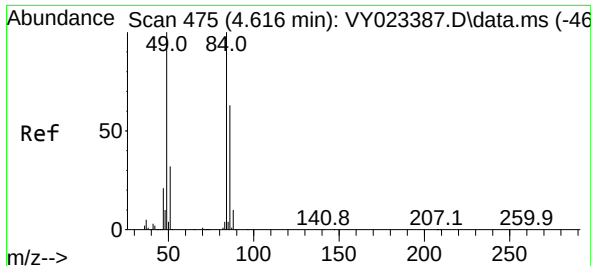
Tgt Ion:168 Resp: 585978
Ion Ratio Lower Upper
168 100
99 48.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.055 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Tgt Ion: 59 Resp: 749
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

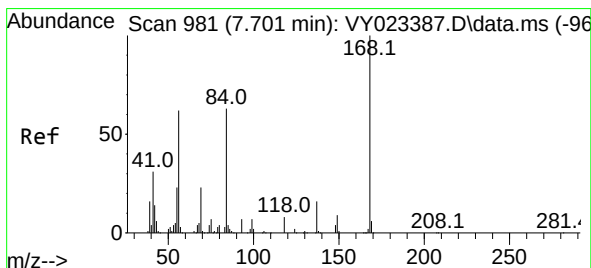
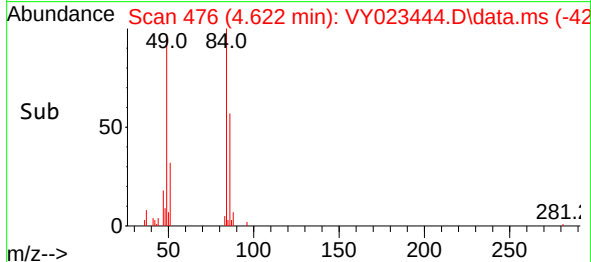
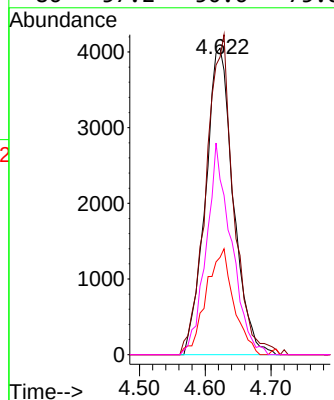
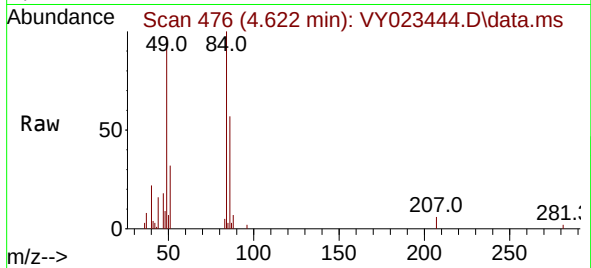




#20
Methylene Chloride
Concen: 1.898 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

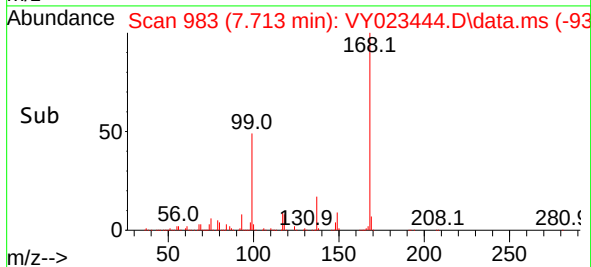
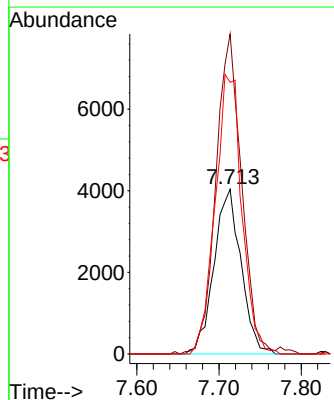
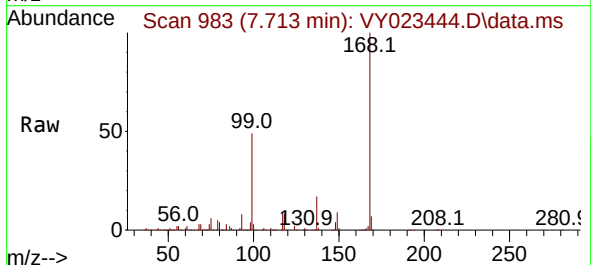
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

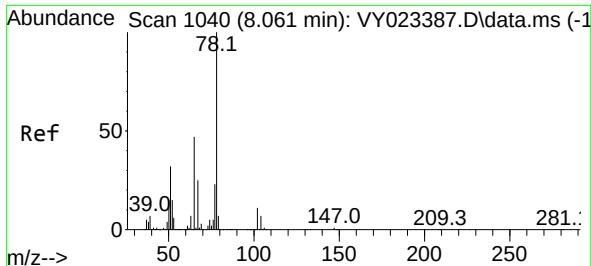
Tgt Ion:	84	Resp:	11974
Ion	Ratio	Lower	Upper
84	100		
49	97.2	80.2	120.4
51	31.7	25.9	38.9
86	57.2	50.6	75.8



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Tgt Ion:	56	Resp:	9223
Ion	Ratio	Lower	Upper
56	100		
69	194.3	30.0	45.0#
84	165.0	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 57.258 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023444.D

Acq: 10 Oct 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

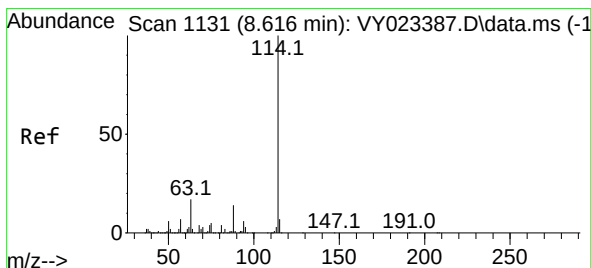
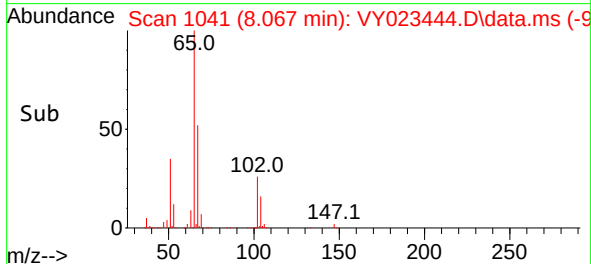
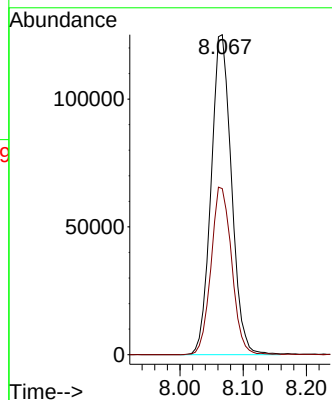
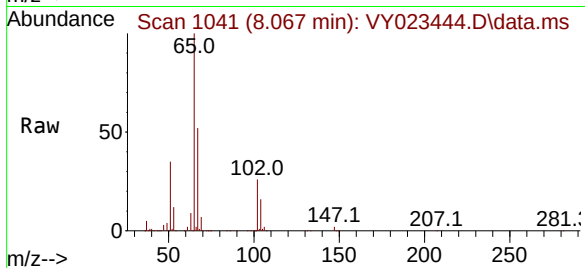
VIBLK

Tgt Ion: 65 Resp: 280567

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: VY023444.D

Acq: 10 Oct 2025 17:11

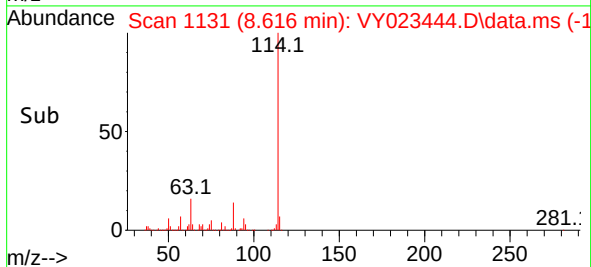
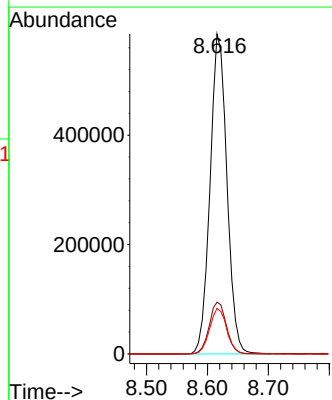
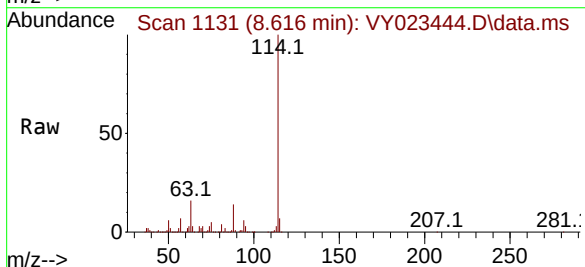
Tgt Ion:114 Resp: 1125300

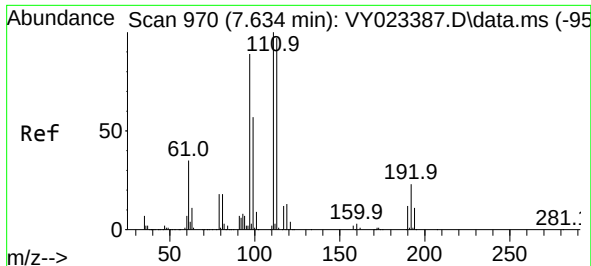
Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 14.2 0.0 28.4

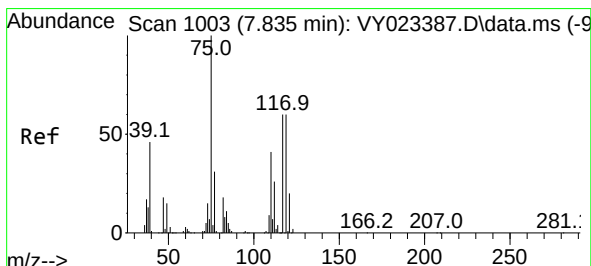
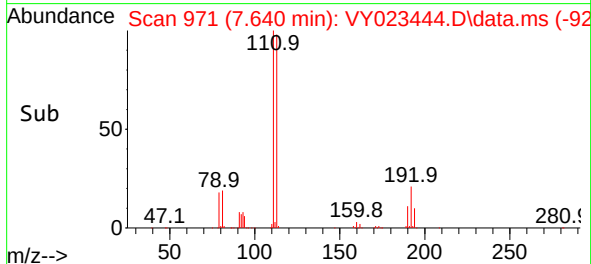
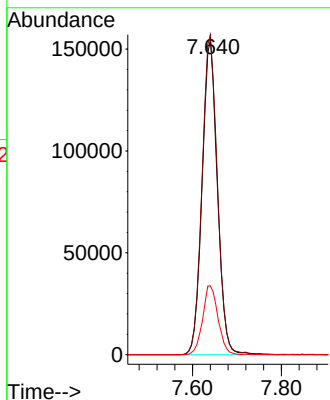
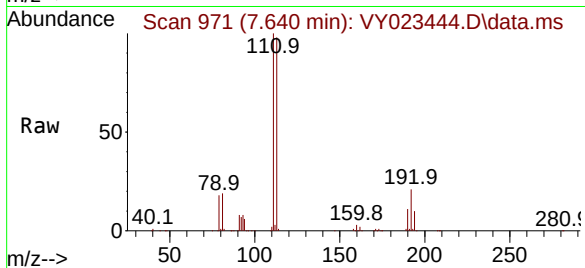




#35
Dibromofluoromethane
Concen: 53.313 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

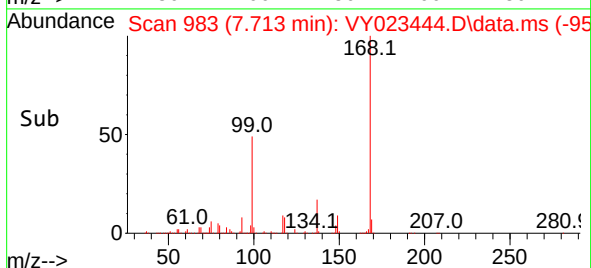
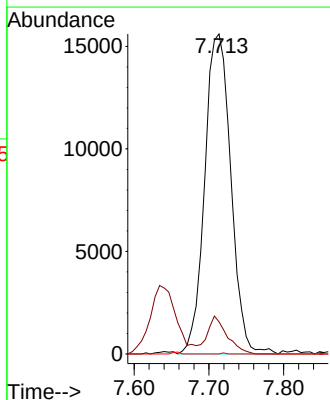
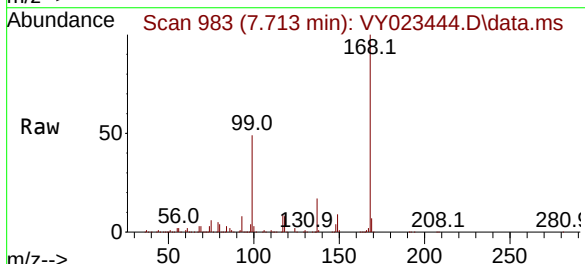
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

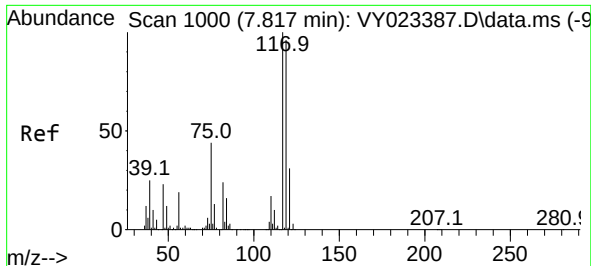
Tgt Ion:113 Resp: 368629
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.146 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Tgt Ion: 75 Resp: 37949
Ion Ratio Lower Upper
75 100
110 8.9 19.9 59.7#
77 0.1 25.0 37.6#

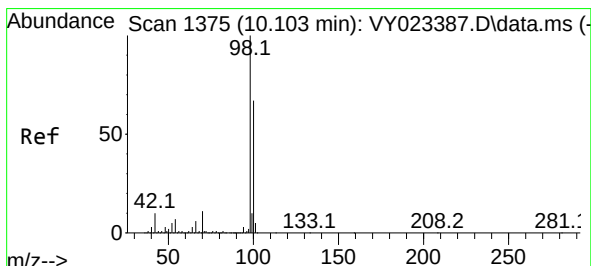
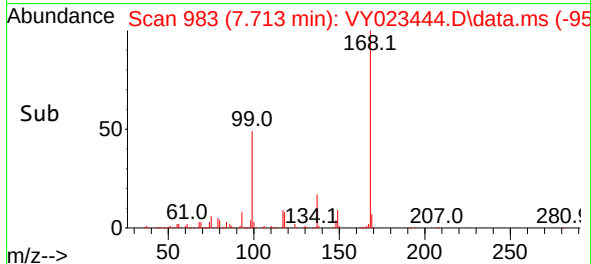
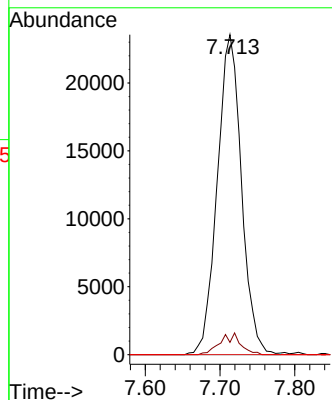
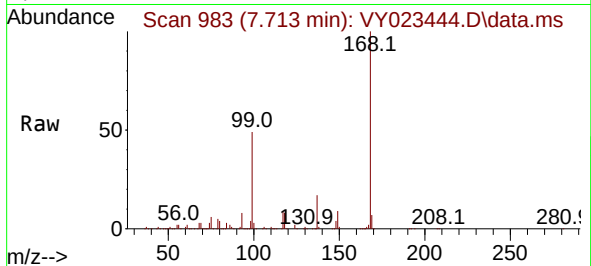




#38
Carbon Tetrachloride
Concen: 4.784 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

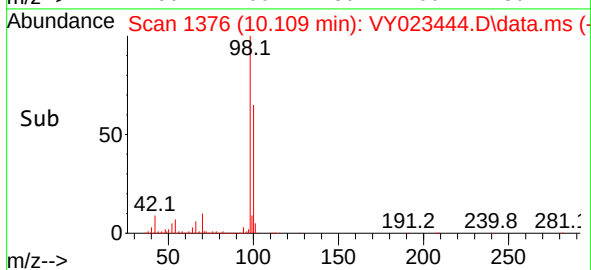
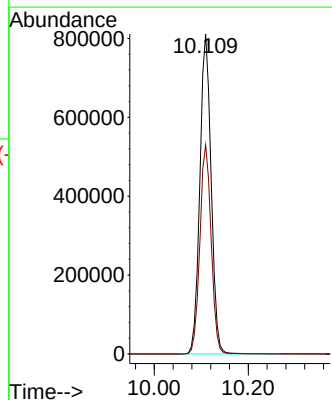
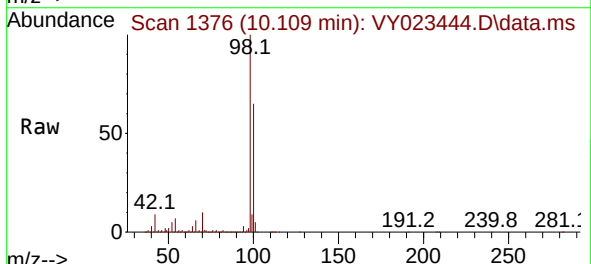
Instrument :
MSVOA_Y
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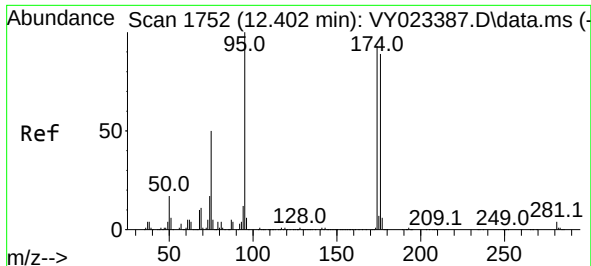
Tgt Ion:117 Resp: 53100
Ion Ratio Lower Upper
117 100
119 3.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.572 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Tgt Ion: 98 Resp: 1353722
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

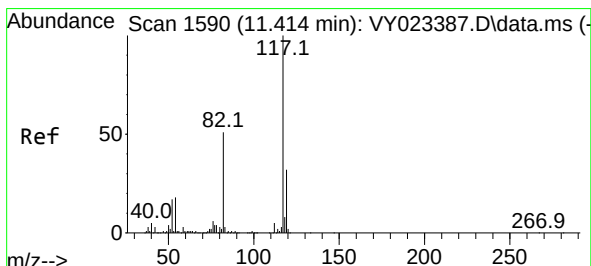
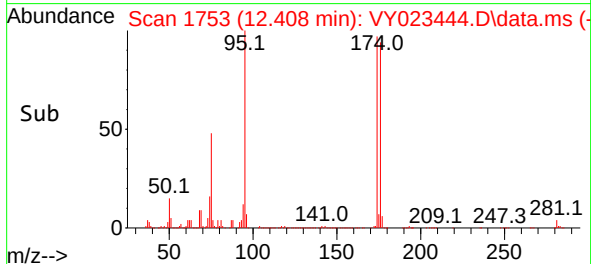
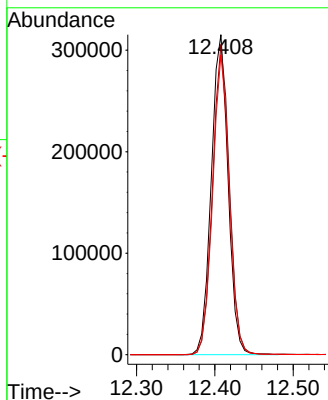
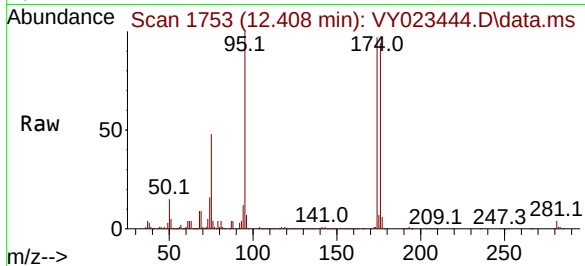




#62
4-Bromofluorobenzene
Concen: 55.355 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

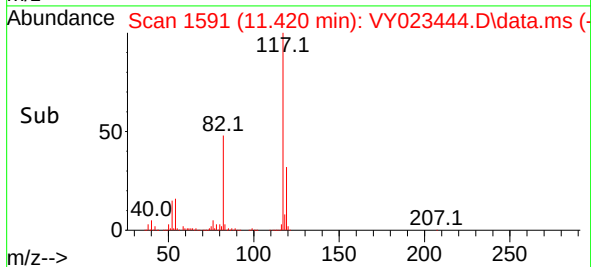
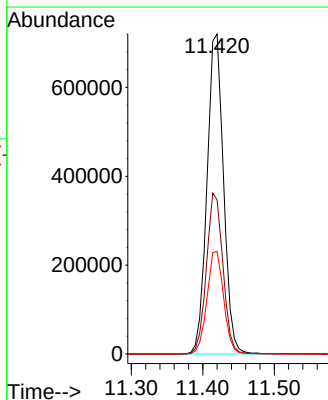
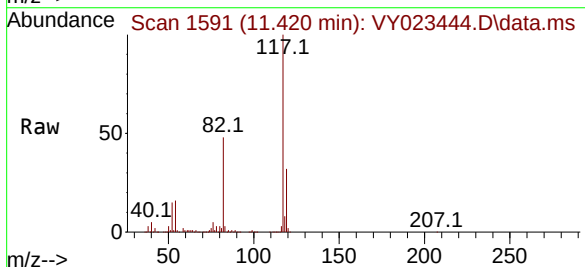
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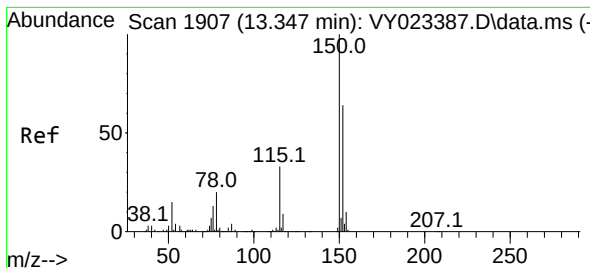
Tgt Ion: 95 Resp: 470590
Ion Ratio Lower Upper
95 100
174 97.6 0.0 192.8
176 93.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Tgt Ion: 117 Resp: 1155856
Ion Ratio Lower Upper
117 100
82 48.1 41.0 61.4
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023444.D

Acq: 10 Oct 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

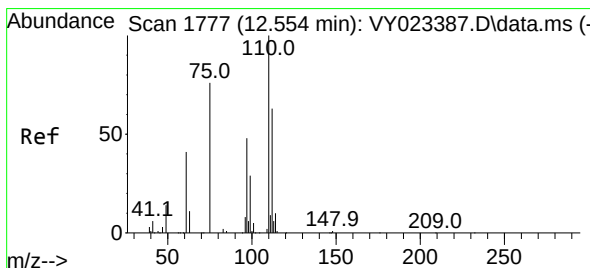
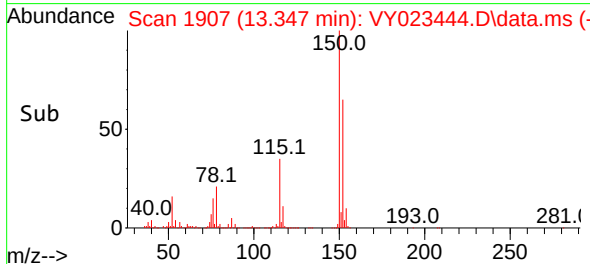
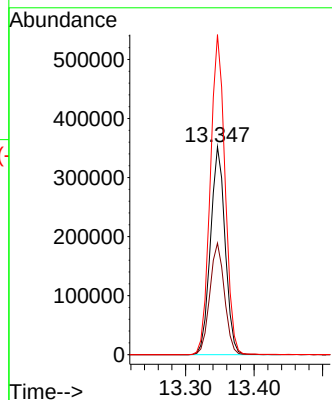
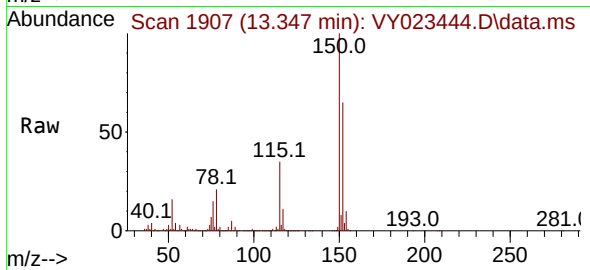
Tgt Ion:152 Resp: 523108

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

150 155.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.376 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023444.D

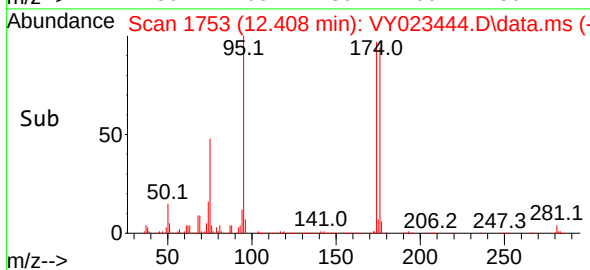
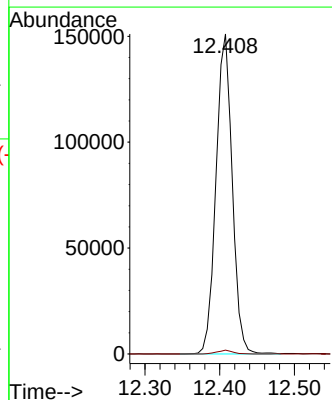
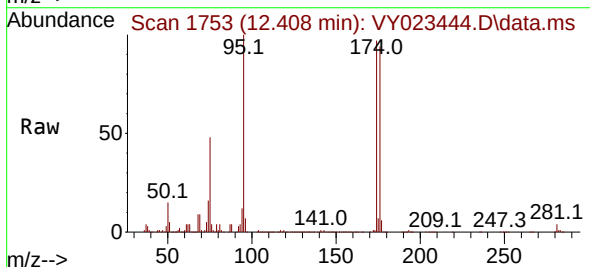
Acq: 10 Oct 2025 17:11

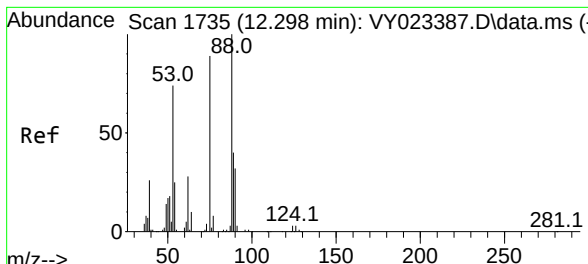
Tgt Ion: 75 Resp: 227881

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.080 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023444.D
Acq: 10 Oct 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 227881
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

