

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023980.D
 Acq On : 15 Dec 2025 16:41
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 02:17:45 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)

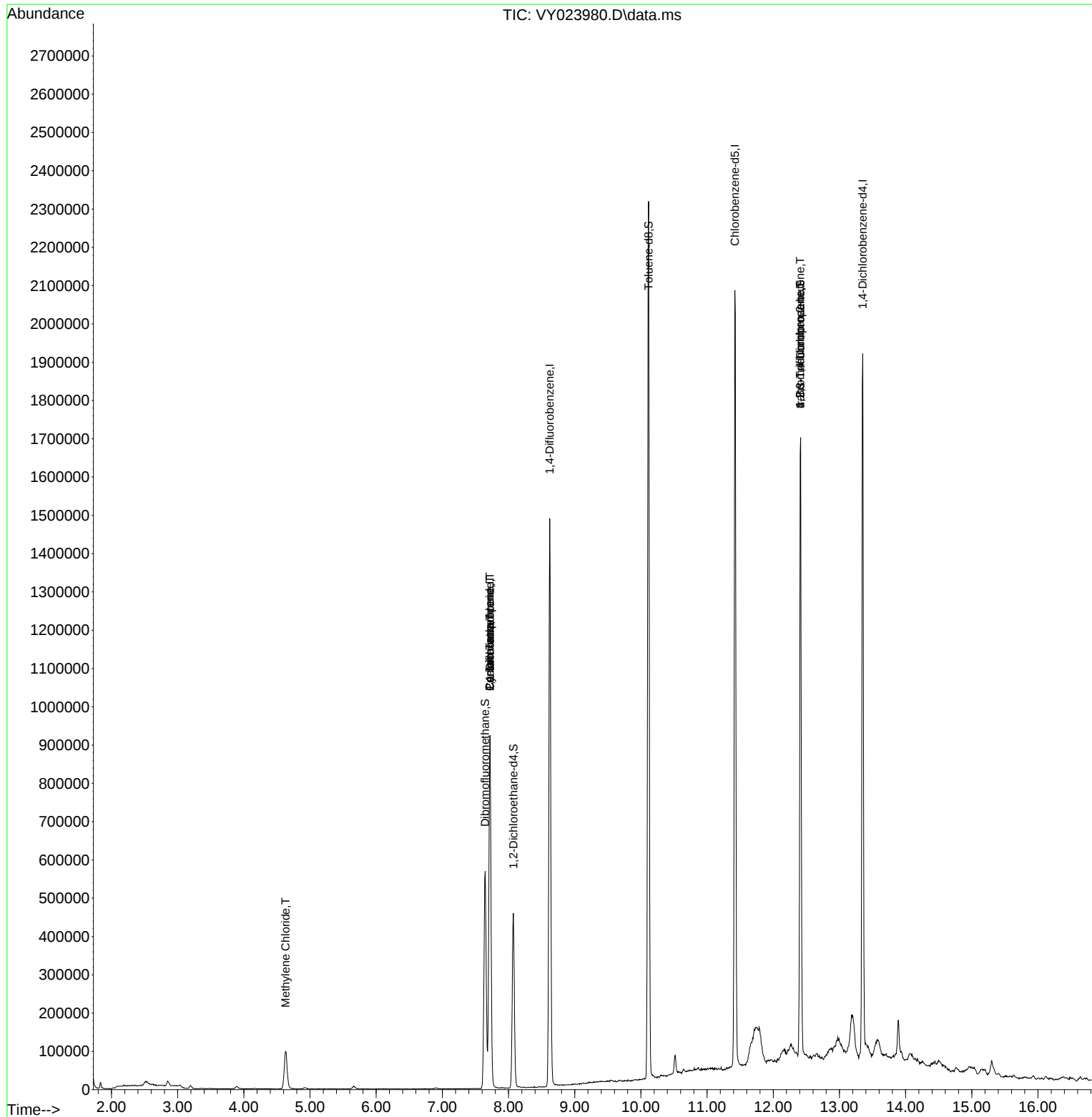
Internal Standards						
1) Pentafluorobenzene	7.719	168	784615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1327772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1159051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	505142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	357980	51.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.200%
35) Dibromofluoromethane	7.646	113	405814	46.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.520%
50) Toluene-d8	10.115	98	1539847	47.651	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.407	95	475549	44.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.140%
Target Compounds						
10) Methyl Iodide	3.994	142	21	Below Cal	#	41
16) Acetone	3.885	43	11301	Below Cal		90
20) Methylene Chloride	4.628	84	80714	9.890	ug/l	92
31) Cyclohexane	7.719	56	12529	1.053	ug/l	# 1
36) 1,1-Dichloropropene	7.719	75	48942	4.142	ug/l	# 50
38) Carbon Tetrachloride	7.719	117	71355	4.982	ug/l	# 17
76) 1,2,3-Trichloropropane	12.407	75	236262	55.292	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	236262	125.858	ug/l	# 13

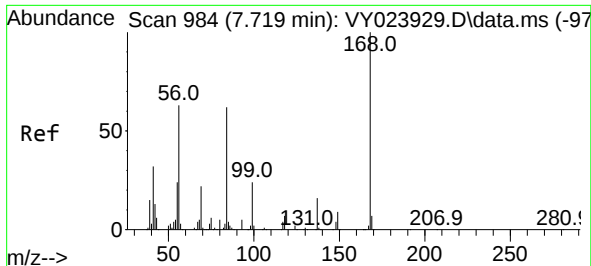
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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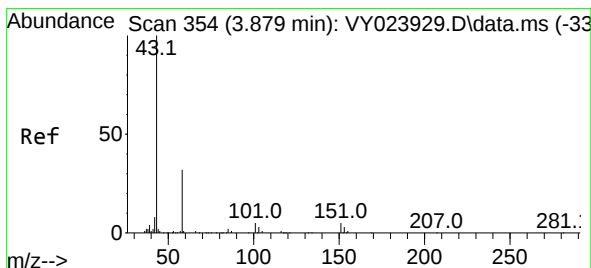
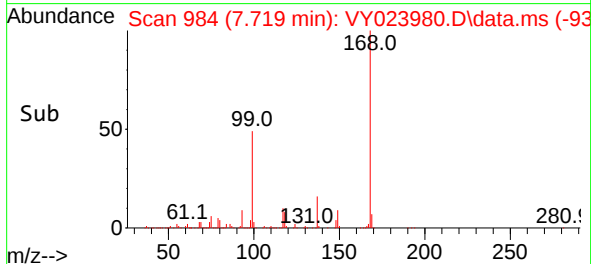
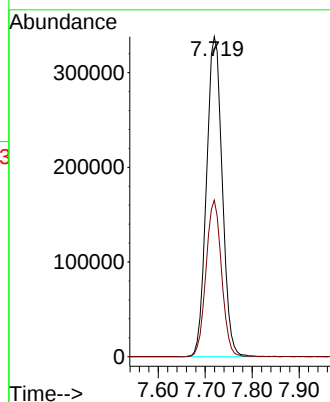
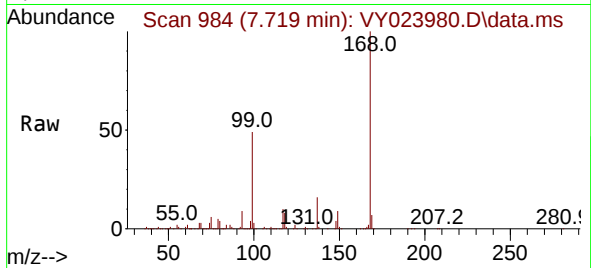




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

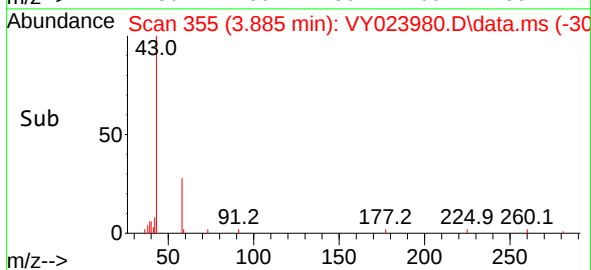
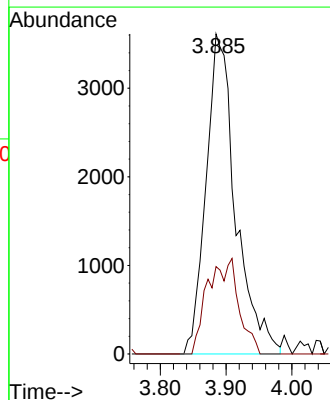
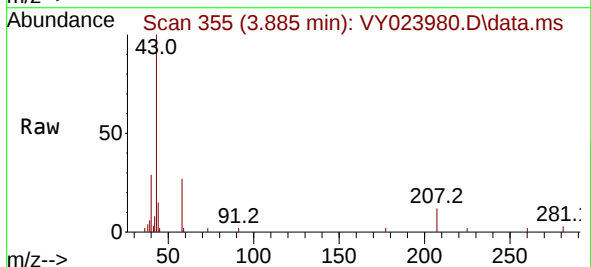
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

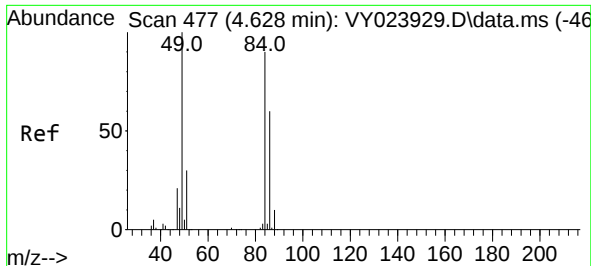
Tgt Ion:168 Resp: 784615
Ion Ratio Lower Upper
168 100
99 48.9 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 43 Resp: 11301
Ion Ratio Lower Upper
43 100
58 27.3 26.4 39.6

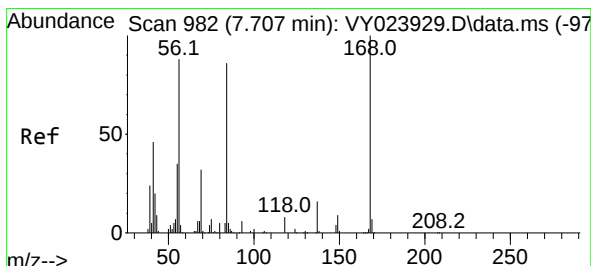
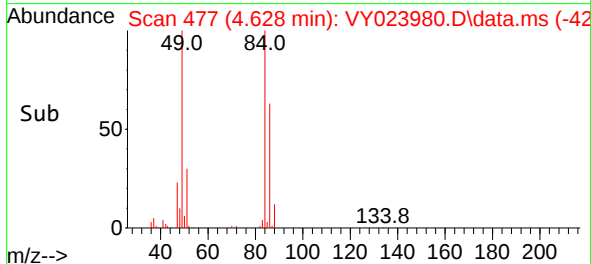
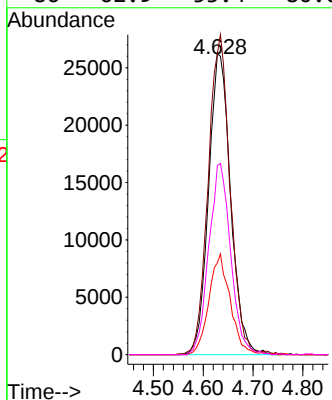
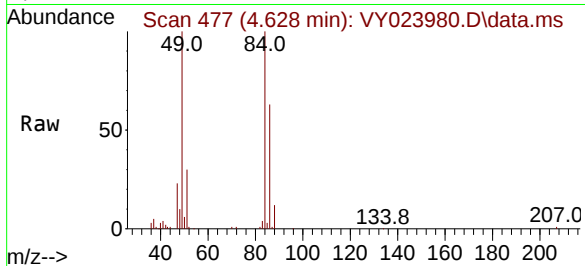




#20
Methylene Chloride
Concen: 9.890 ug/l
RT: 4.628 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

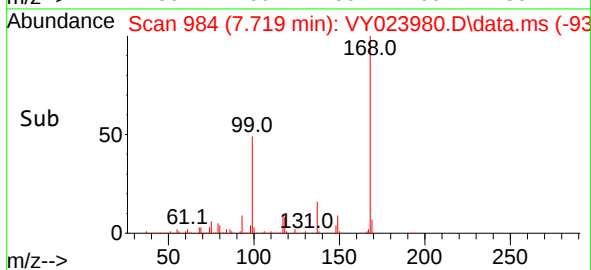
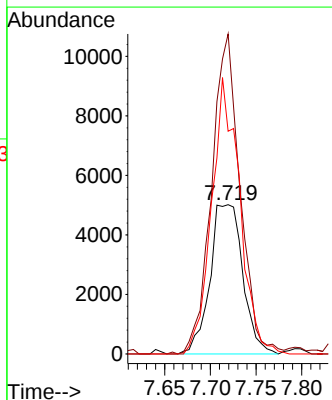
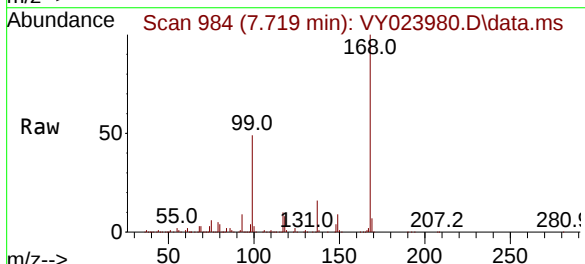
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

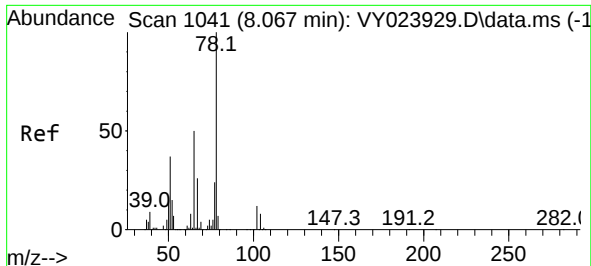
Tgt Ion:	84	Resp:	80714
Ion	Ratio	Lower	Upper
84	100		
49	99.9	89.1	133.7
51	30.5	26.6	39.8
86	62.9	53.4	80.0



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion:	56	Resp:	12529
Ion	Ratio	Lower	Upper
56	100		
69	214.3	29.1	43.7#
84	149.2	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 51.603 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023980.D

Acq: 15 Dec 2025 16:41

Instrument :

MSVOA_Y

ClientSampleId :

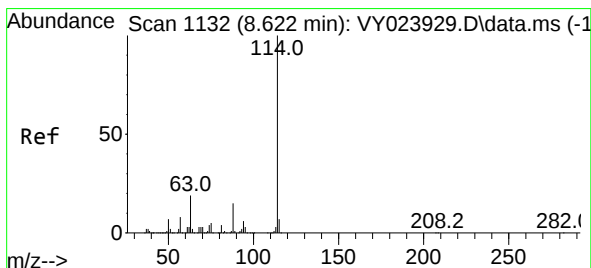
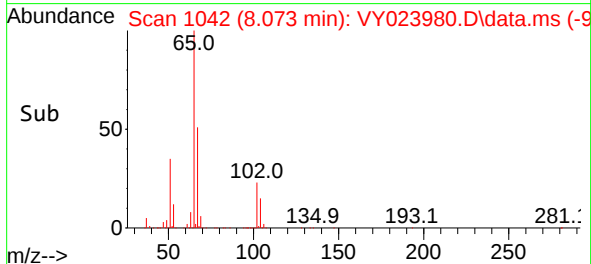
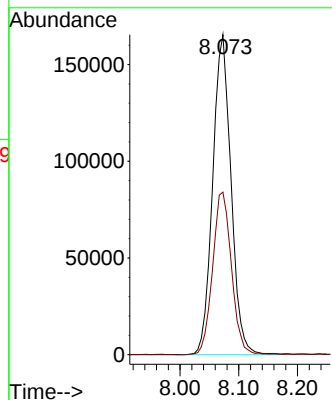
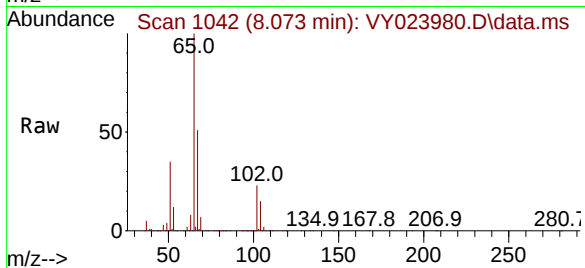
VIBLK

Tgt Ion: 65 Resp: 357980

Ion Ratio Lower Upper

65 100

67 52.3 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: VY023980.D

Acq: 15 Dec 2025 16:41

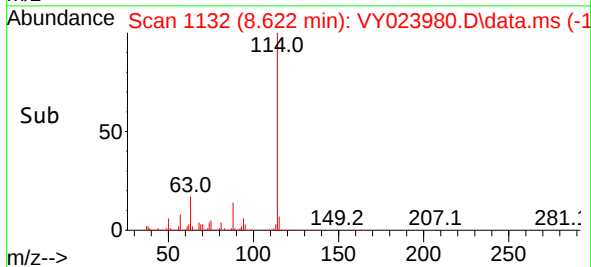
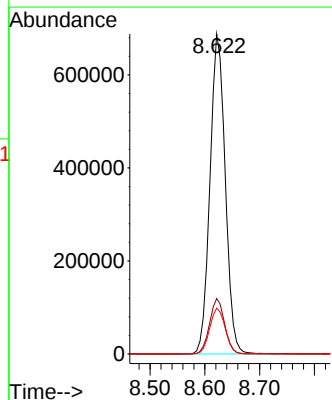
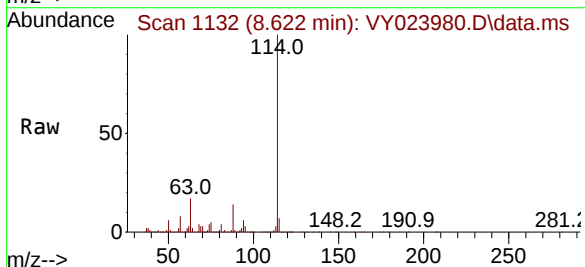
Tgt Ion: 114 Resp: 1327772

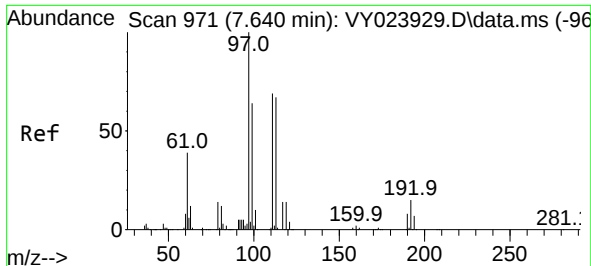
Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.2

88 14.3 0.0 29.4

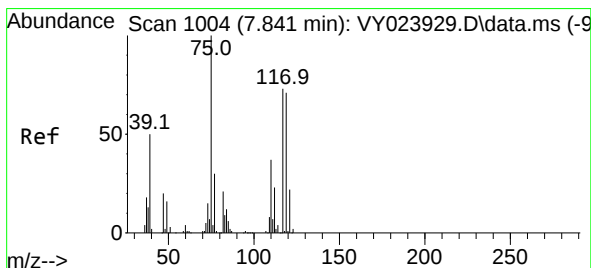
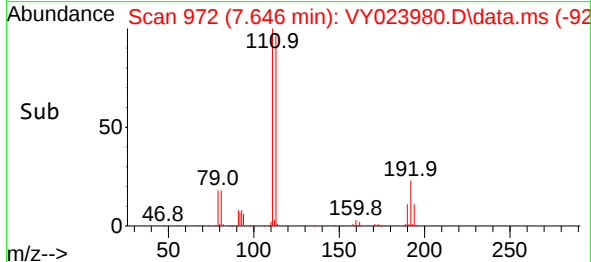
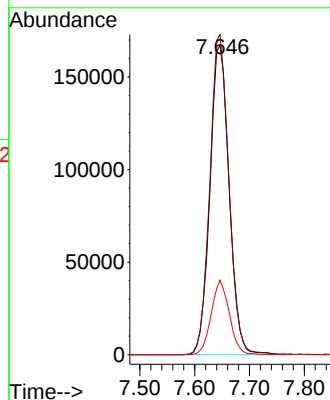
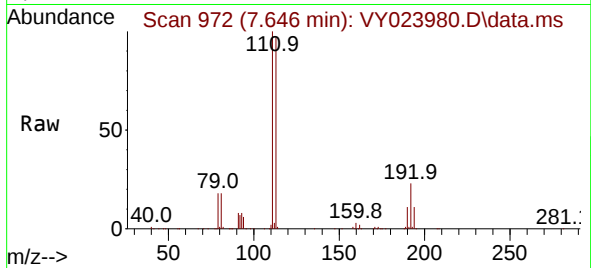




#35
Dibromofluoromethane
Concen: 46.756 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

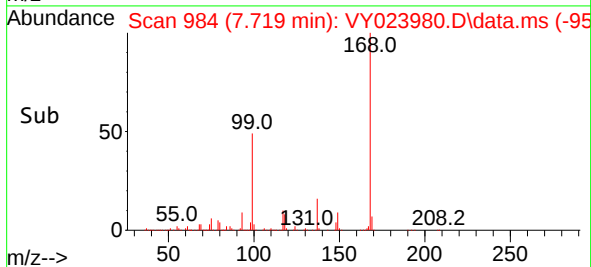
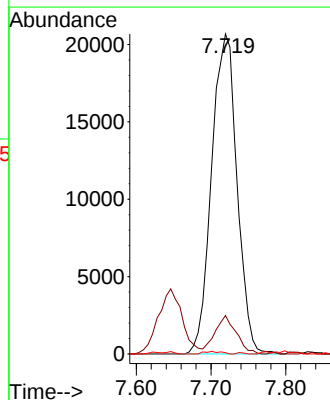
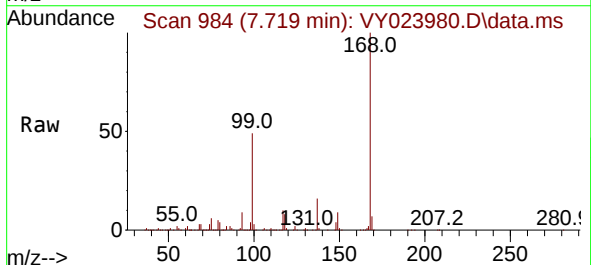
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

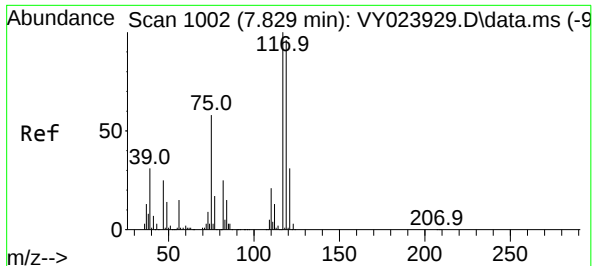
Tgt Ion:113 Resp: 405814
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 22.7 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.142 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 75 Resp: 48942
Ion Ratio Lower Upper
75 100
110 10.1 19.2 57.6#
77 0.5 24.4 36.6#

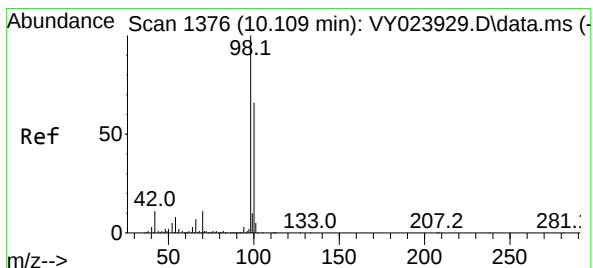
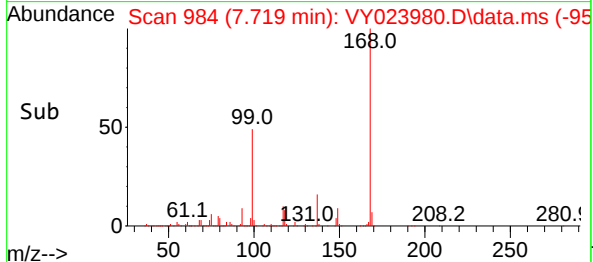
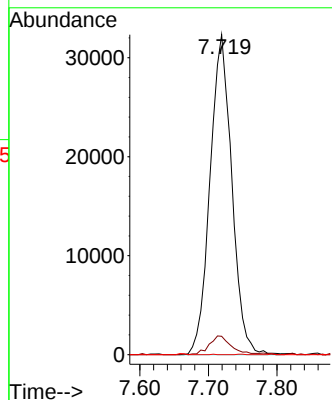
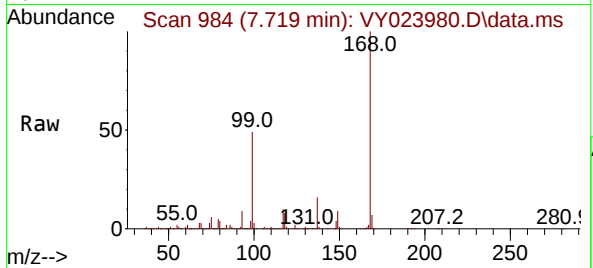




#38
Carbon Tetrachloride
Concen: 4.982 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

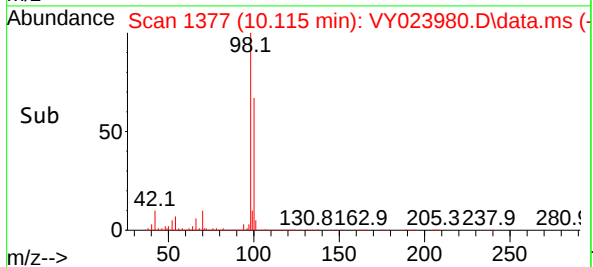
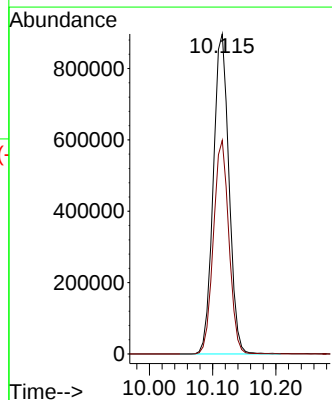
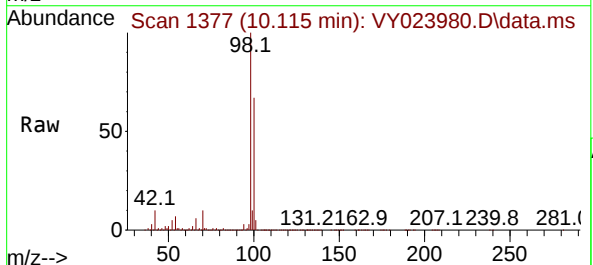
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

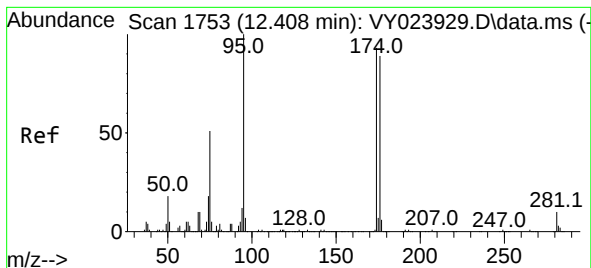
Tgt Ion:117 Resp: 71355
Ion Ratio Lower Upper
117 100
119 5.7 76.6 114.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.651 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 98 Resp: 1539847
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

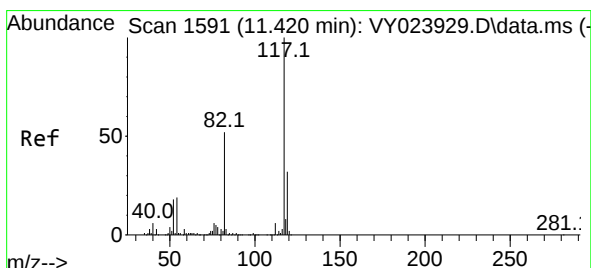
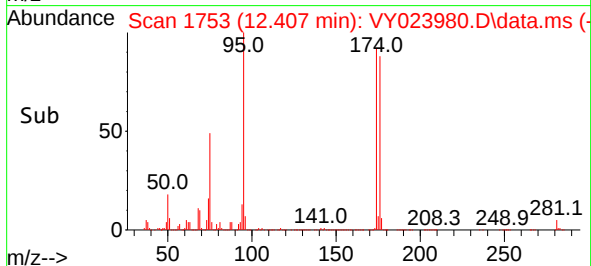
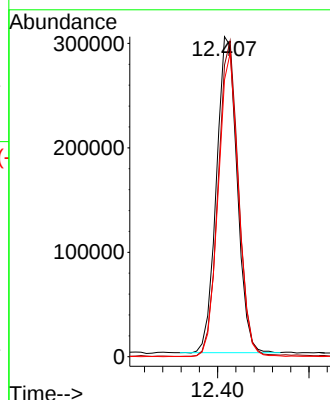
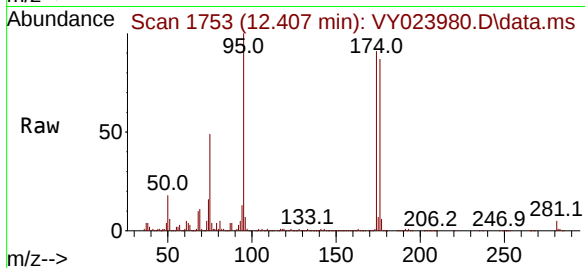




#62
4-Bromofluorobenzene
Concen: 44.066 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

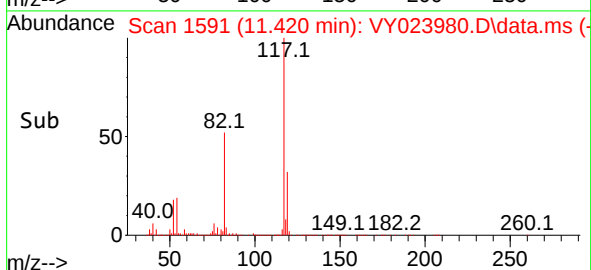
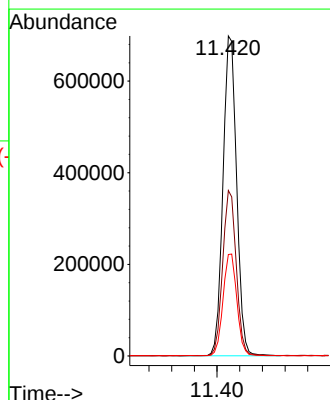
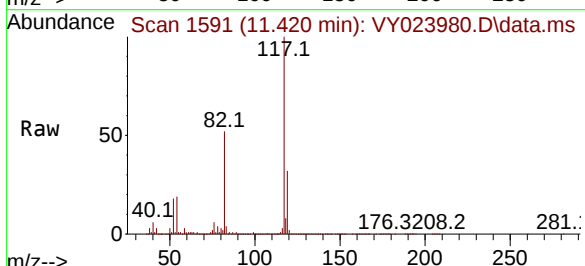
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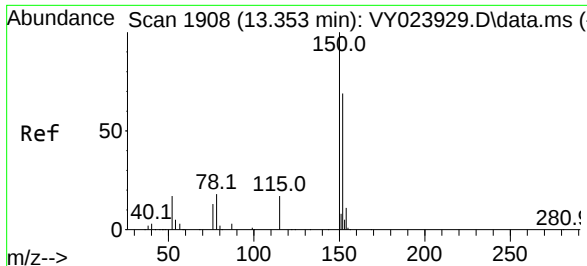
Tgt Ion: 95 Resp: 475549
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 94.4 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 117 Resp: 1159051
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 31.7 25.5 38.3

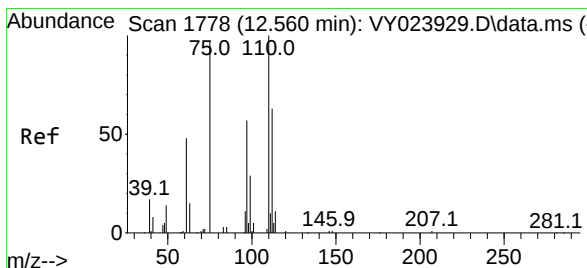
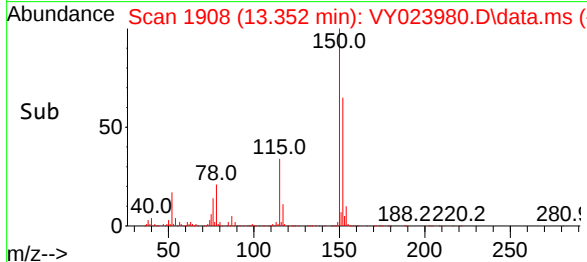
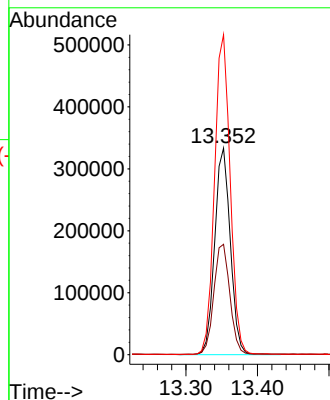
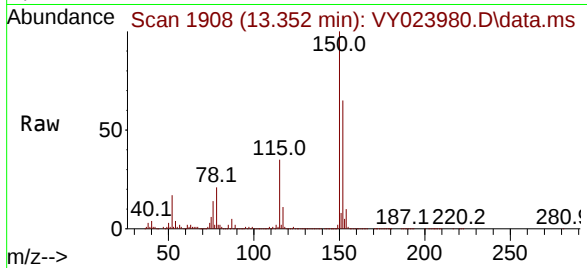




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY023980.D
 Acq: 15 Dec 2025 16:41

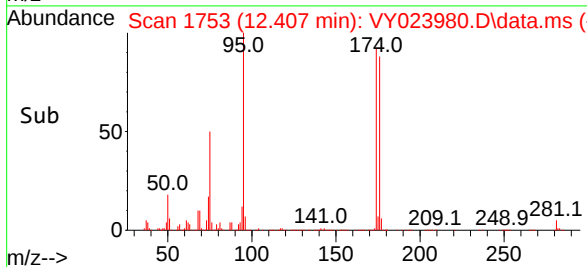
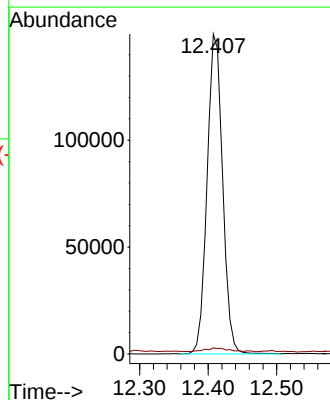
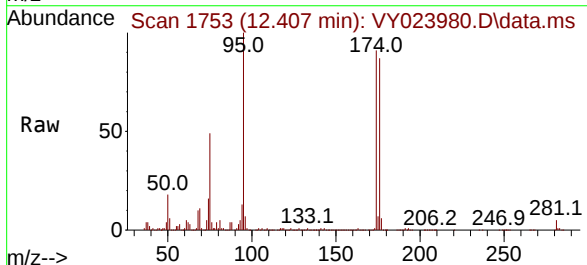
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

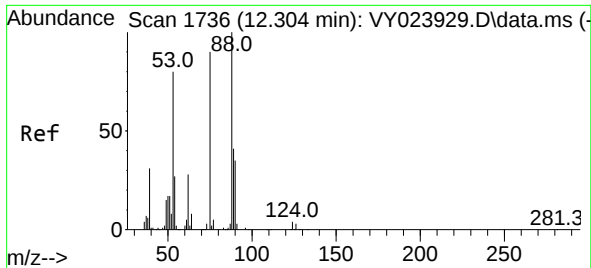
Tgt Ion:152 Resp: 505142
 Ion Ratio Lower Upper
 152 100
 115 54.8 27.3 81.9
 150 155.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 55.292 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY023980.D
 Acq: 15 Dec 2025 16:41

Tgt Ion: 75 Resp: 236262
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.858 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023980.D
 Acq: 15 Dec 2025 16:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 236262
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.4 110.0#
 89 0.1 38.9 58.3#

