

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080409.D
 Acq On : 04 Jun 2025 12:24
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 05 02:29:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060425S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 05 02:27:23 2025
 Response via : Initial Calibration

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

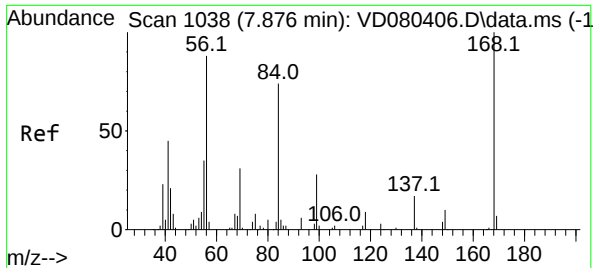
Internal Standards						
1) Pentafluorobenzene	7.870	168	349454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	865439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	801222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	402119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	261990	61.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.580%	
35) Dibromofluoromethane	7.799	113	272750	50.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.860%	
50) Toluene-d8	10.264	98	1101147	52.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	12.570	95	361478	54.473	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.940%	
Target Compounds						
					Qvalue	
16) Acetone	4.023	43	1182	1.357	ug/l #	86
20) Methylene Chloride	4.805	84	6695	1.324	ug/l #	92
31) Cyclohexane	7.870	56	8115	1.073	ug/l #	18
36) 1,1-Dichloropropene	7.876	75	28651	3.380	ug/l #	49
38) Carbon Tetrachloride	7.870	117	34916	4.075	ug/l #	17
47) Bromodichloromethane	9.634	83	30595	3.481	ug/l #	46
49) 1,4-Dioxane	9.652	88	593	15.363	ug/l #	1
51) 4-Methyl-2-Pentanone	10.270	43	5287	1.310	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.629	63	6295	2.623	ug/l #	49
76) 1,2,3-Trichloropropane	12.570	75	183281	40.193	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	183281	88.350	ug/l #	15

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

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The chromatogram displays the Total Ion Chromatogram (TIC) for the file VD080409.D\data.ms. The y-axis represents Abundance, ranging from 0 to 1,800,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The baseline is relatively flat with minor noise. Several sharp, prominent peaks are visible, each labeled with the name of the compound and its retention time (T).

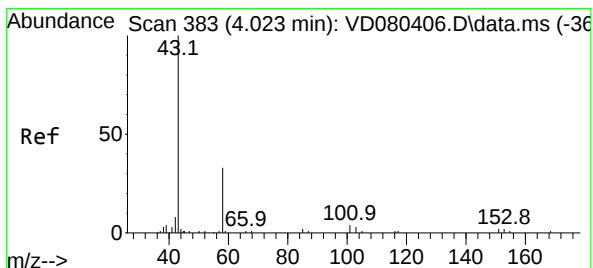
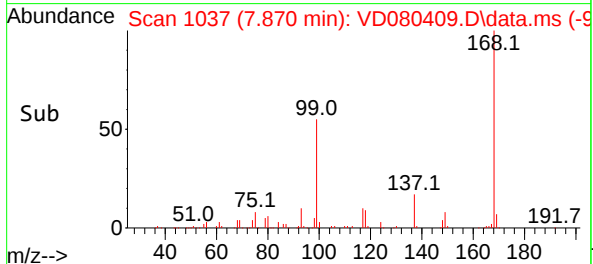
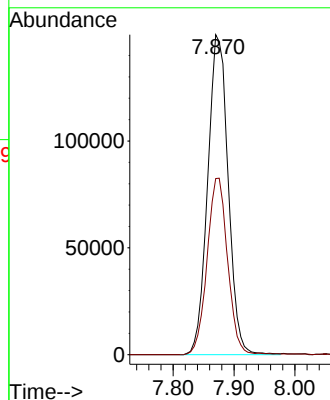
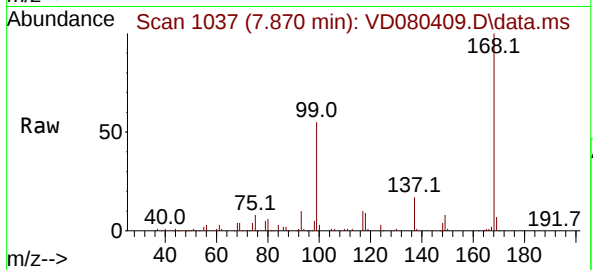
Compound	Retention Time (T)	Approximate Abundance
Acetone	4.00	100,000
Methylene Chloride	4.80	100,000
1,4-Difluorobenzene	8.80	1,000,000
1,4-Dioxane	9.80	550,000
1,4-Dichlorobenzene	10.50	1,400,000
Chlorobenzene	11.50	1,400,000
1,4-Dichlorobenzene-d4	13.50	1,400,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.870 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

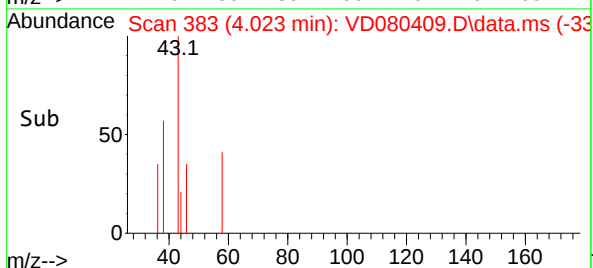
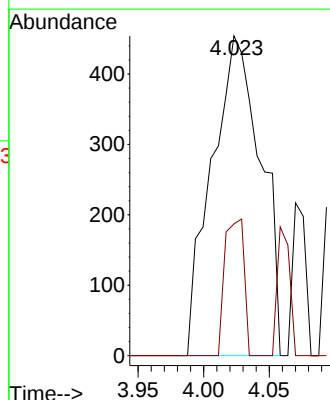
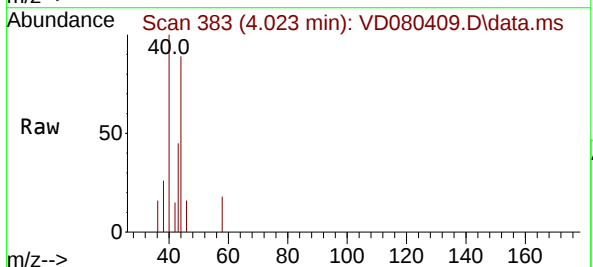
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

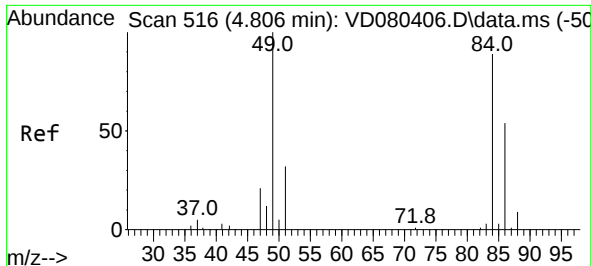
Tgt Ion:168 Resp: 349454
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#16
Acetone
Concen: 1.357 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
58 41.2 26.6 40.0#

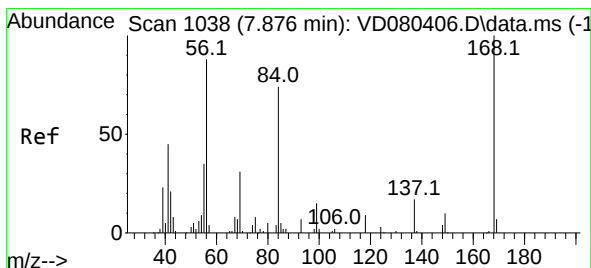
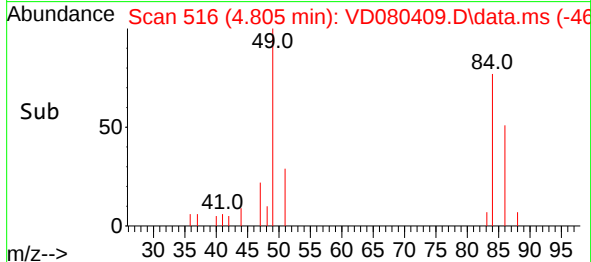
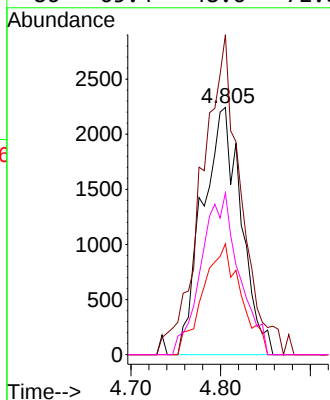
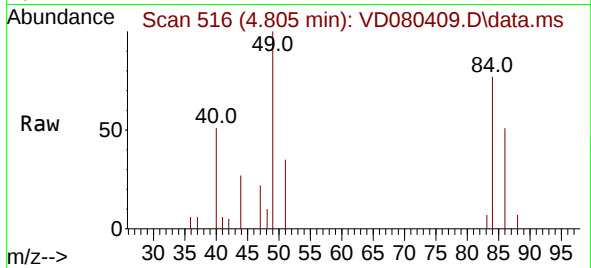




#20
Methylene Chloride
Concen: 1.324 ug/l
RT: 4.805 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

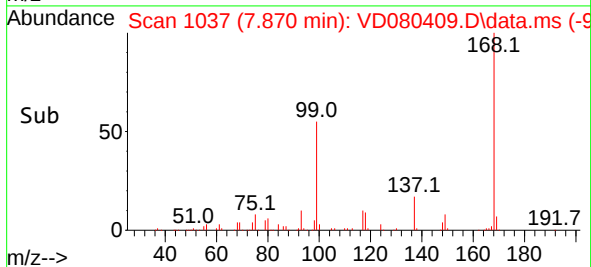
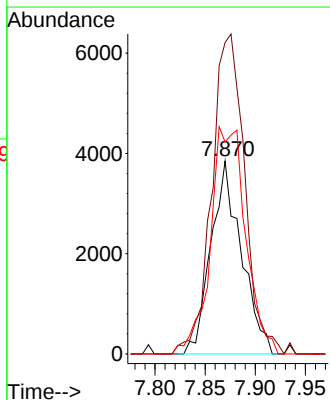
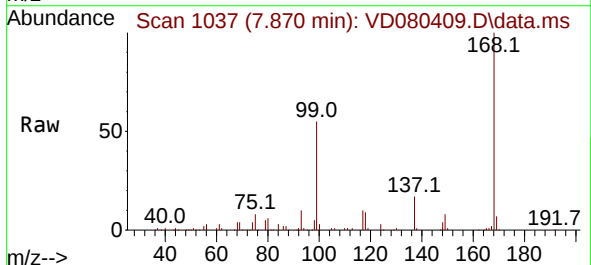
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

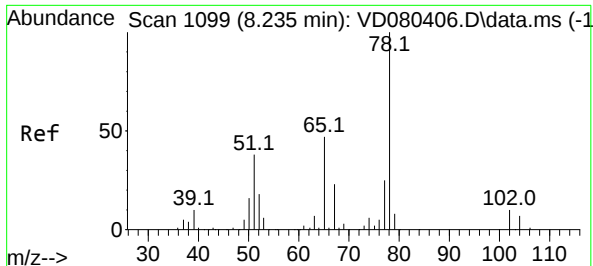
Tgt Ion:	84	Resp:	6695
Ion	Ratio	Lower	Upper
84	100		
49	119.2	89.4	134.2
51	44.9	28.5	42.7#
86	65.4	48.6	72.8



#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.870 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion:	56	Resp:	8115
Ion	Ratio	Lower	Upper
56	100		
69	157.1	28.5	42.7#
84	109.8	67.4	101.0#





#33

1,2-Dichloroethane-d4

Concen: 61.788 ug/l

RT: 8.229 min Scan# 1099

Delta R.T. -0.006 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

Instrument :

MSVOA_D

ClientSampleId :

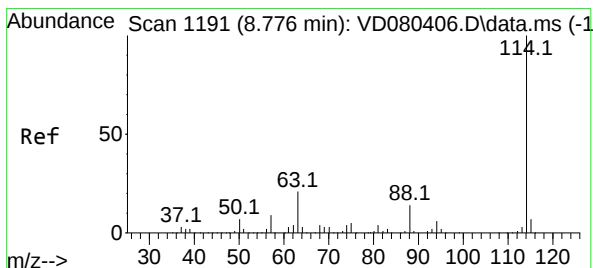
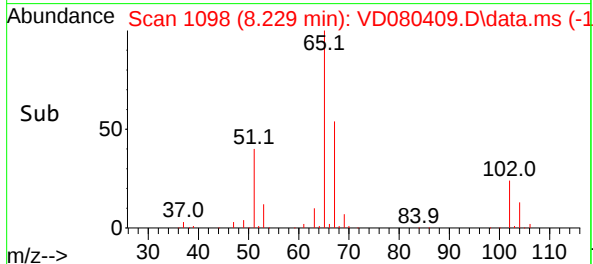
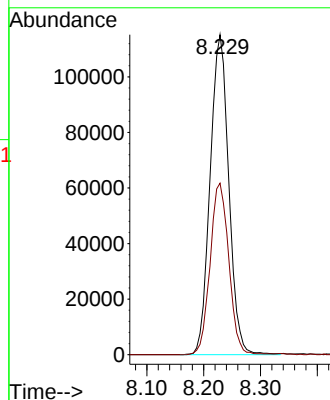
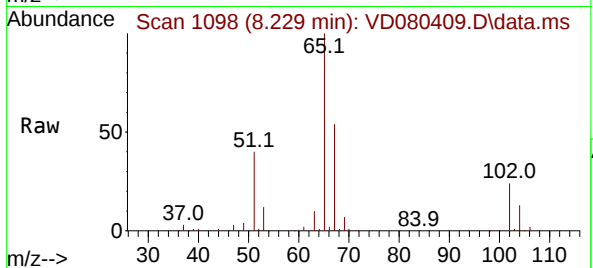
VIBLK

Tgt Ion: 65 Resp: 261990

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

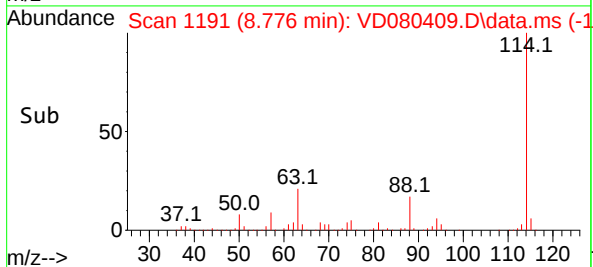
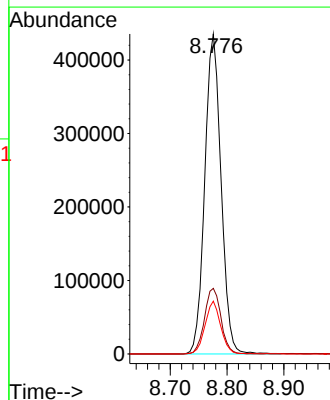
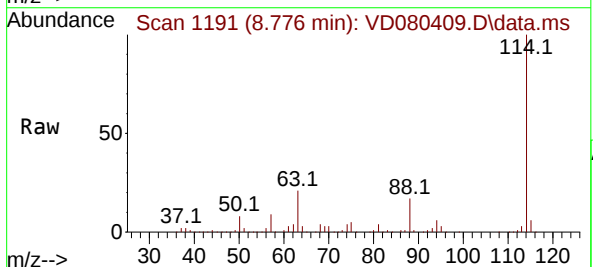
Tgt Ion: 114 Resp: 865439

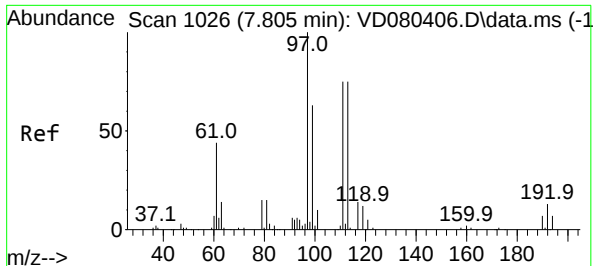
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.0

88 16.5 0.0 29.0

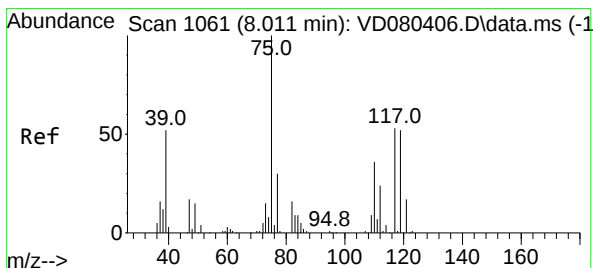
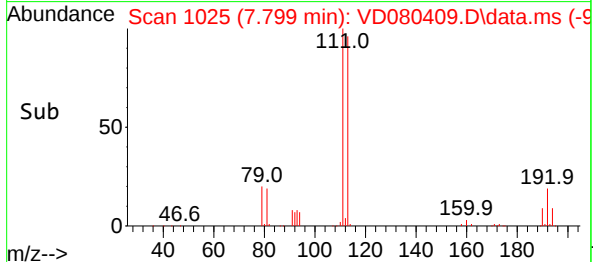
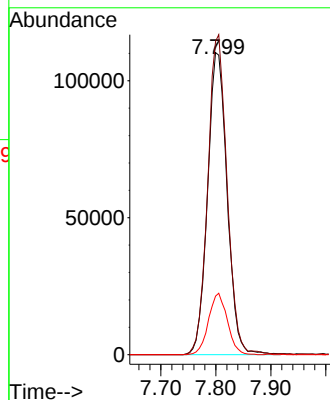
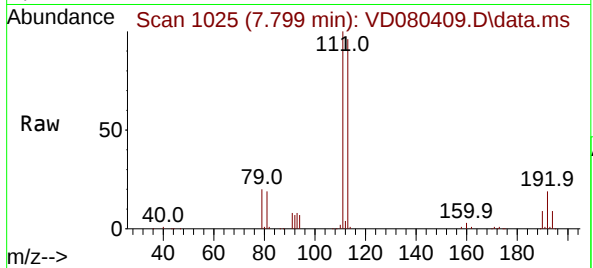




#35
Dibromofluoromethane
Concen: 50.429 ug/l
RT: 7.799 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

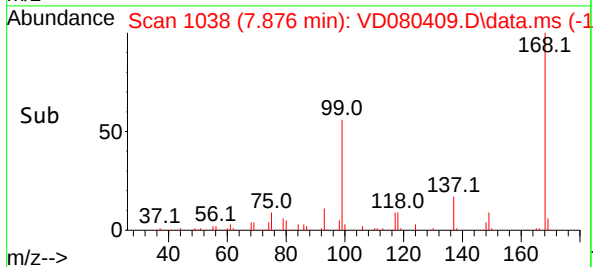
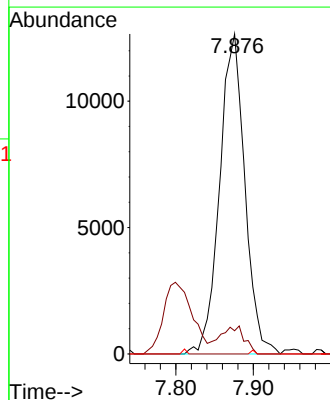
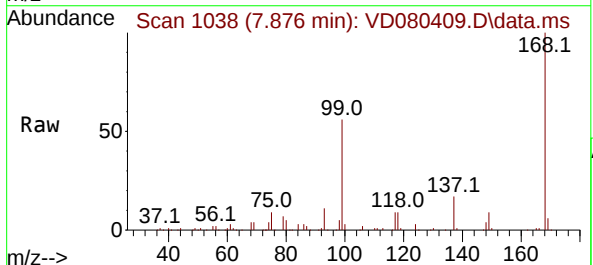
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

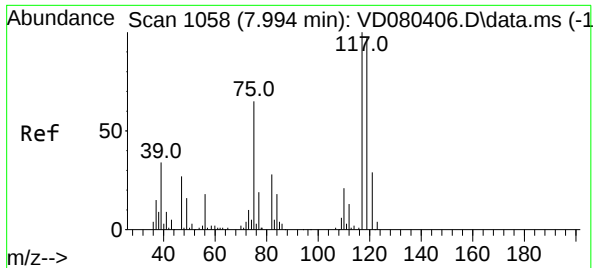
Tgt Ion:113 Resp: 272750
Ion Ratio Lower Upper
113 100
111 104.6 84.6 127.0
192 19.6 15.8 23.6



#36
1,1-Dichloropropene
Concen: 3.380 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.136 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion: 75 Resp: 28651
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 25.0 37.4#

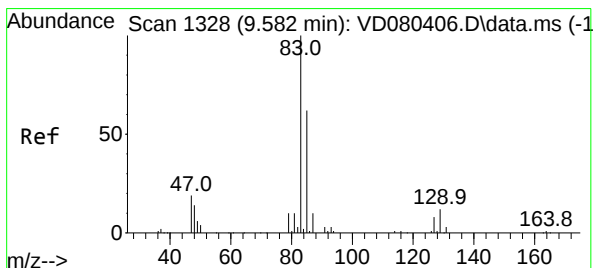
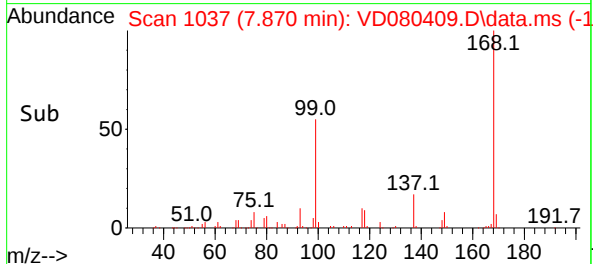
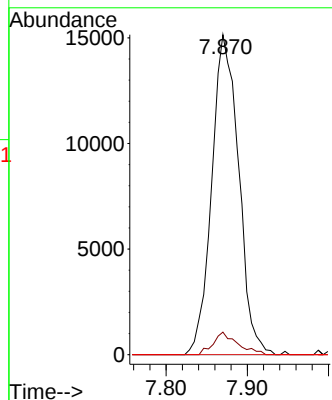
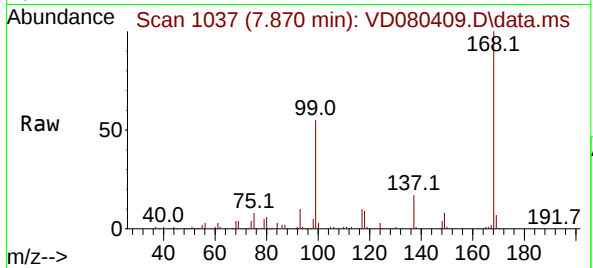




#38
Carbon Tetrachloride
Concen: 4.075 ug/l
RT: 7.870 min Scan# 1058
Delta R.T. -0.124 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

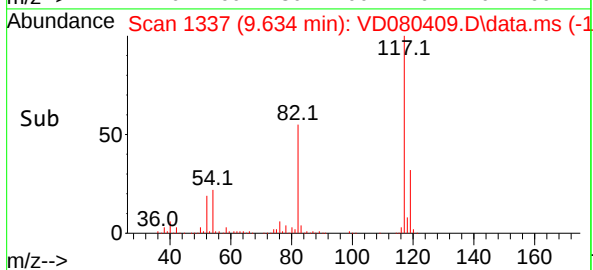
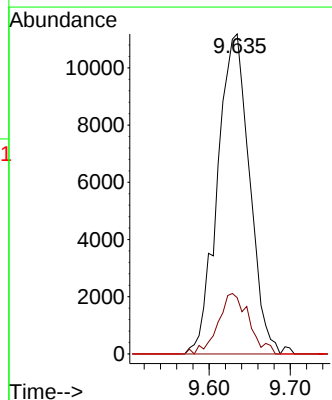
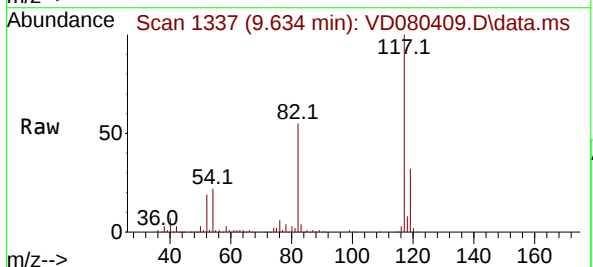
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

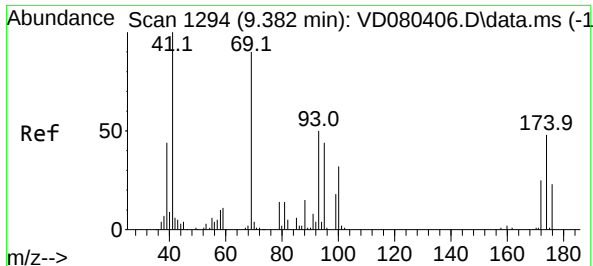
Tgt Ion:117 Resp: 34916
Ion Ratio Lower Upper
117 100
119 7.0 78.0 117.0#
121 0.0 23.2 34.8#



#47
Bromodichloromethane
Concen: 3.481 ug/l
RT: 9.634 min Scan# 1337
Delta R.T. 0.053 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion: 83 Resp: 30595
Ion Ratio Lower Upper
83 100
85 17.6 49.6 74.4#
127 0.0 6.5 9.7#





#49

1,4-Dioxane

Concen: 15.363 ug/l

RT: 9.652 min Scan# 11

Delta R.T. 0.270 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

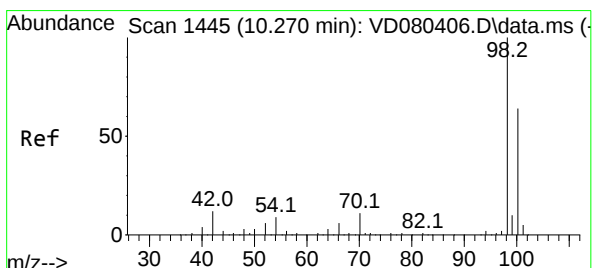
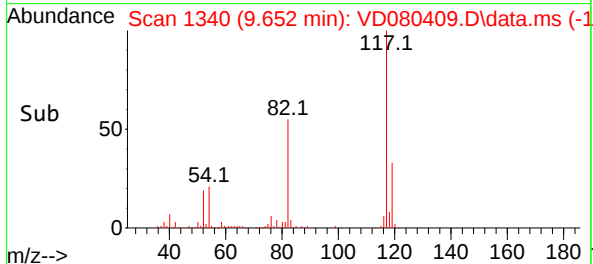
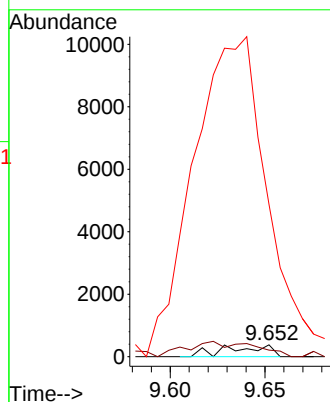
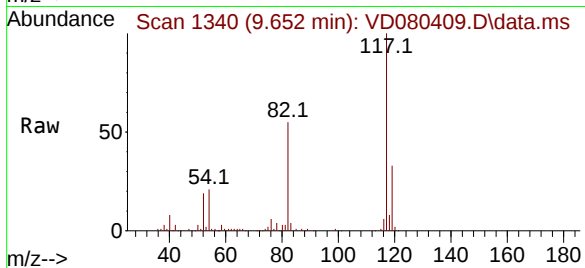
Tgt Ion: 88 Resp: 593

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 4441.8 61.8 92.8#



#50

Toluene-d8

Concen: 52.110 ug/l

RT: 10.264 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VD080409.D

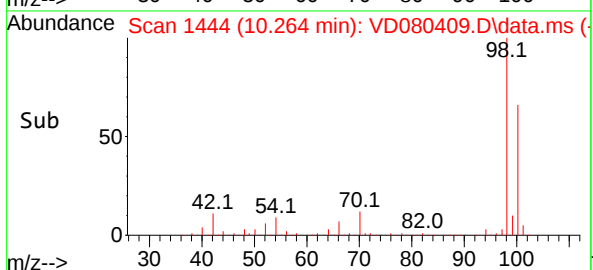
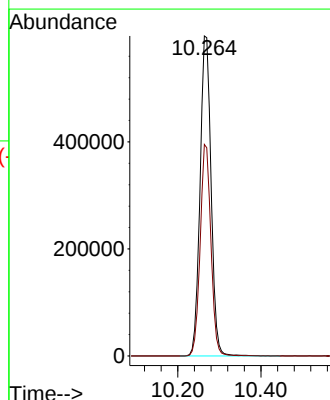
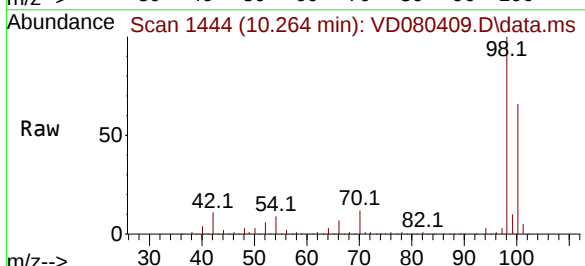
Acq: 04 Jun 2025 12:24

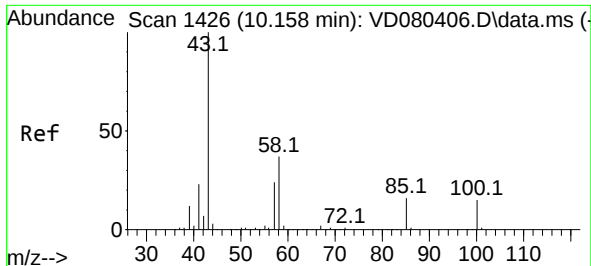
Tgt Ion: 98 Resp: 1101147

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.310 ug/l

RT: 10.270 min Scan# 1426

Delta R.T. 0.111 min

Lab File: VD080409.D

Acq: 04 Jun 2025 12:24

Instrument :

MSVOA_D

ClientSampleId :

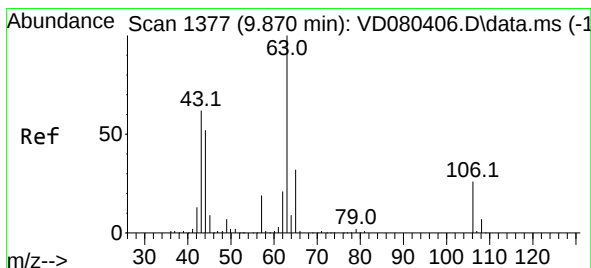
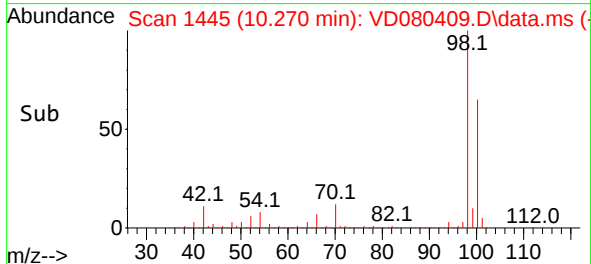
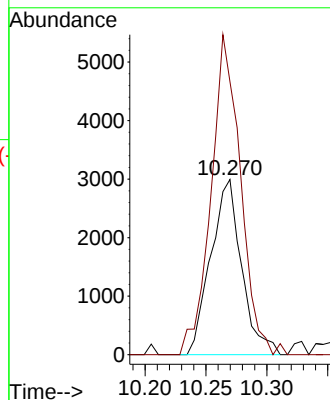
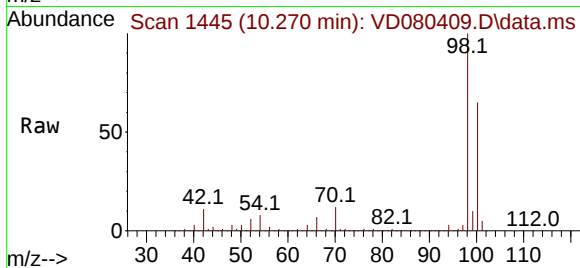
VIBLK

Tgt Ion: 43 Resp: 5287

Ion Ratio Lower Upper

43 100

58 174.6 30.2 45.2#



#58

2-Chloroethyl Vinyl ether

Concen: 2.623 ug/l

RT: 9.629 min Scan# 1336

Delta R.T. -0.241 min

Lab File: VD080409.D

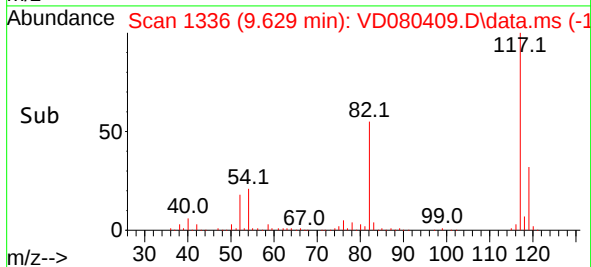
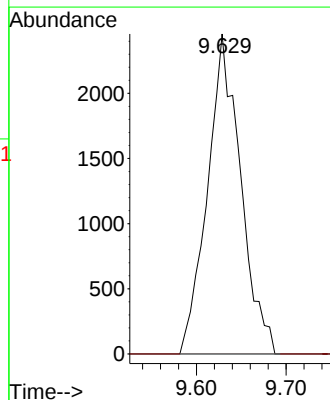
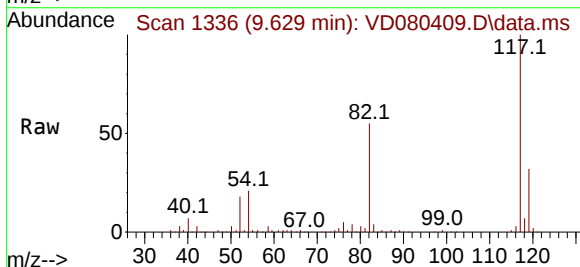
Acq: 04 Jun 2025 12:24

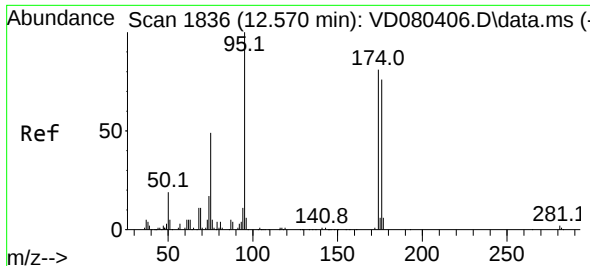
Tgt Ion: 63 Resp: 6295

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#

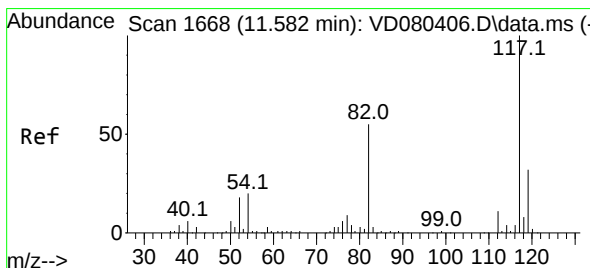
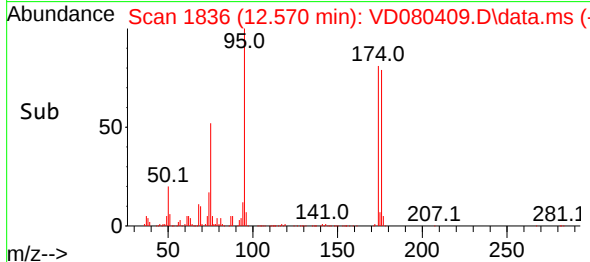
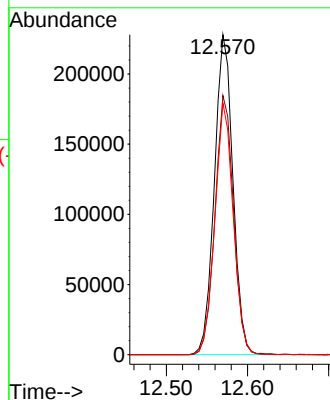
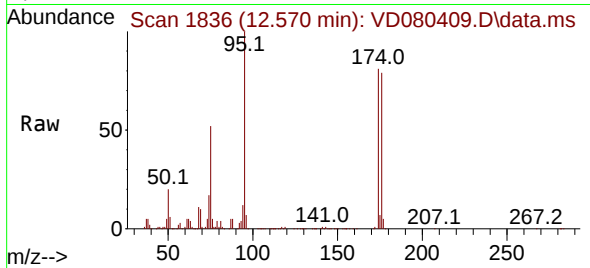




#62
4-Bromofluorobenzene
Concen: 54.473 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

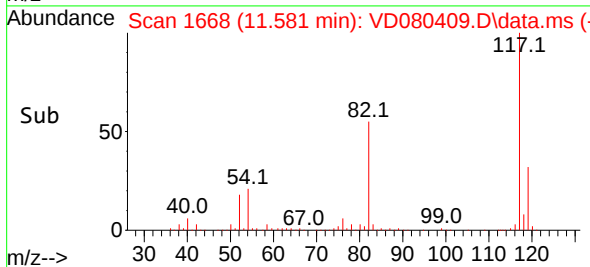
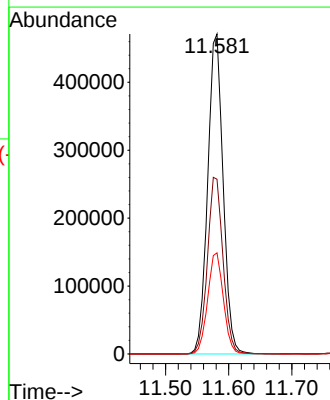
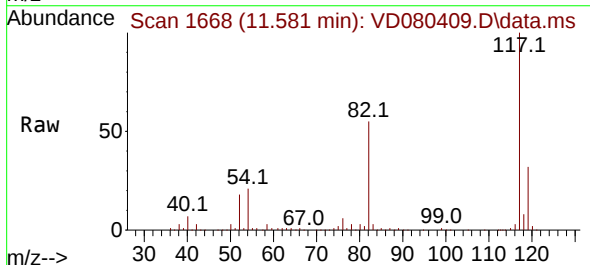
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

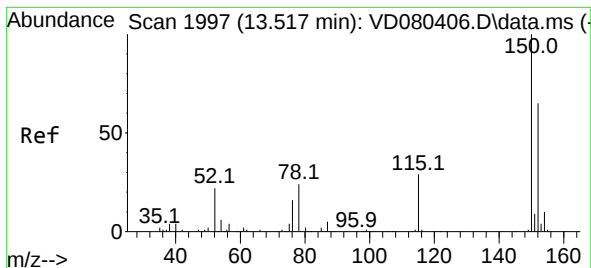
Tgt Ion:	95	Resp:	361478
Ion Ratio	Lower	Upper	
95	100		
174	81.0	0.0	164.4
176	78.3	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Tgt Ion:	117	Resp:	801222
Ion Ratio	Lower	Upper	
117	100		
82	54.6	44.2	66.2
119	31.6	25.3	37.9

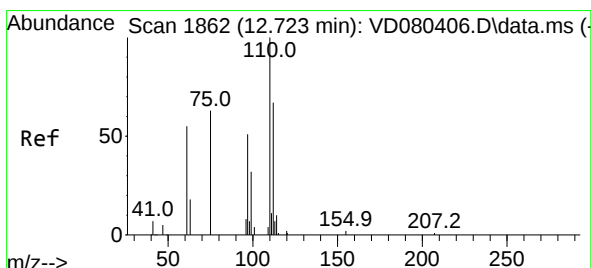
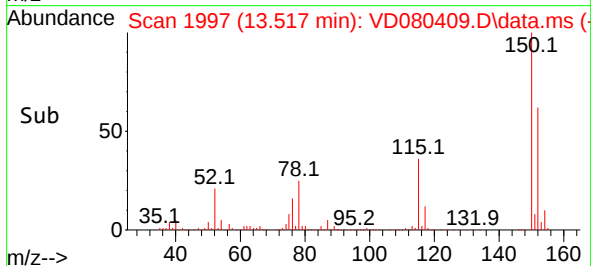
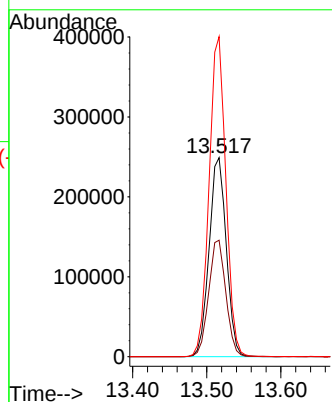
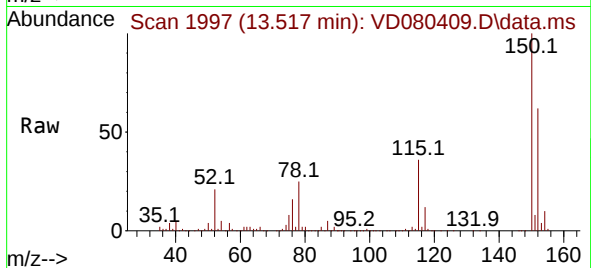




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. -0.000 min
 Lab File: VD080409.D
 Acq: 04 Jun 2025 12:24

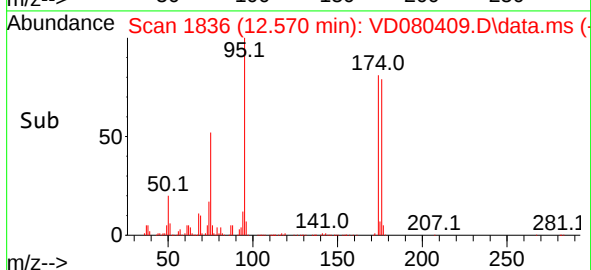
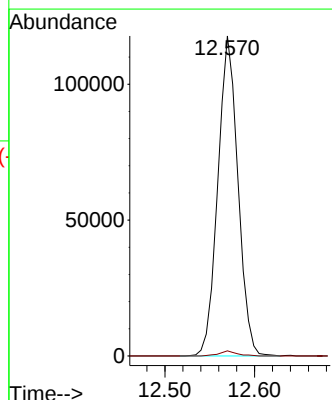
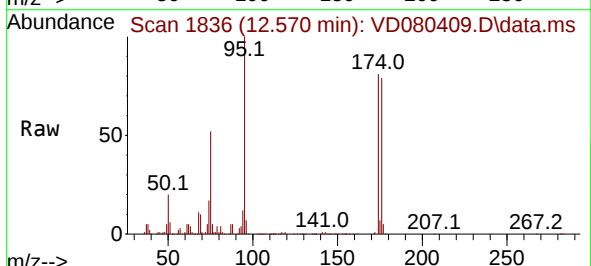
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

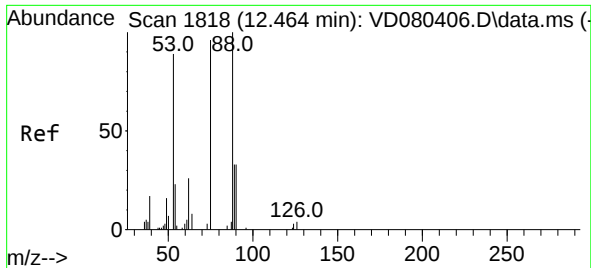
Tgt Ion:152 Resp: 402119
 Ion Ratio Lower Upper
 152 100
 115 58.5 30.1 90.5
 150 156.4 0.0 354.2



#76
 1,2,3-Trichloropropane
 Concen: 40.193 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.153 min
 Lab File: VD080409.D
 Acq: 04 Jun 2025 12:24

Tgt Ion: 75 Resp: 183281
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.350 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.106 min
Lab File: VD080409.D
Acq: 04 Jun 2025 12:24

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 183281
Ion Ratio Lower Upper
75 100
53 0.1 69.9 104.9#
89 0.0 34.1 51.1#

