

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039315.D
 Acq On : 04 Nov 2025 15:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 00:37:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

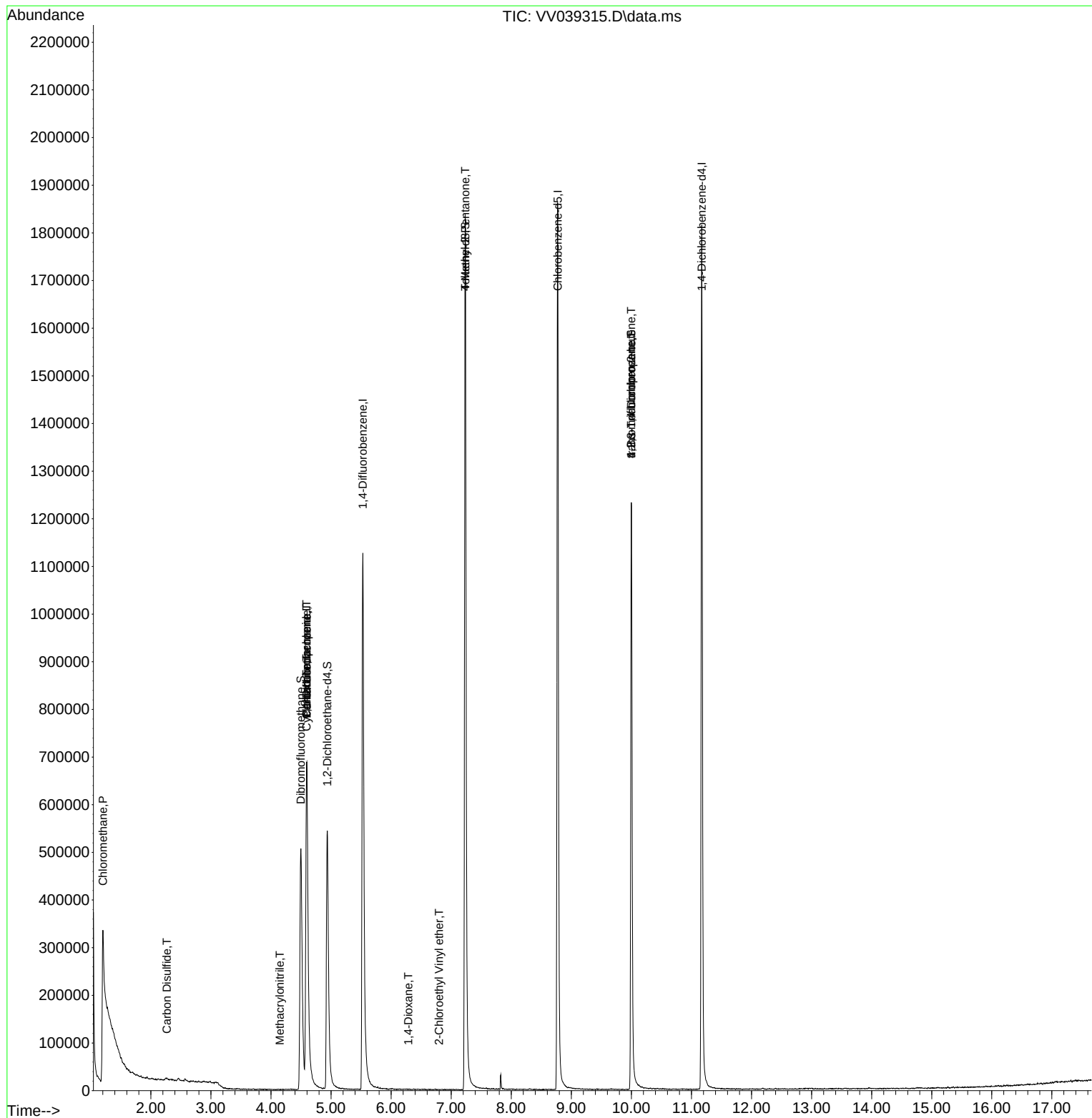
Internal Standards						
1) Pentafluorobenzene	4.596	168	609245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1117082	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1076528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	478826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	485797	56.116	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	112.240%
35) Dibromofluoromethane	4.497	113	431638	49.040	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	98.080%
50) Toluene-d8	7.233	98	1339479	44.734	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	89.460%
62) 4-Bromofluorobenzene	9.998	95	429077	40.236	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	80.480%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.201	50	12558	1.566	ug/l #	41
13) Acrolein	2.005	56	213	Below Cal	#	53
16) Acetone	2.124	43	1565	Below Cal	#	70
17) Carbon Disulfide	2.265	76	9791	0.422	ug/l #	94
20) Methylene Chloride	2.462	84	2576	Below Cal	#	80
31) Cyclohexane	4.590	56	12252	1.074	ug/l #	1
36) 1,1-Dichloropropene	4.593	75	49910	4.515	ug/l #	47
38) Carbon Tetrachloride	4.593	117	63466	4.712	ug/l #	17
41) Methacrylonitrile	4.146	41	106	1.710	ug/l #	36
49) 1,4-Dioxane	6.285	88	68	0.521	ug/l #	62
51) 4-Methyl-2-Pentanone	7.233	43	5165	0.439	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.799	63	45	8.474	ug/l #	45
76) 1,2,3-Trichloropropane	9.998	75	206931	21.653	ug/l #	54
81) trans-1,4-Dichloro-2-b...	9.998	75	206931	54.684	ug/l #	14

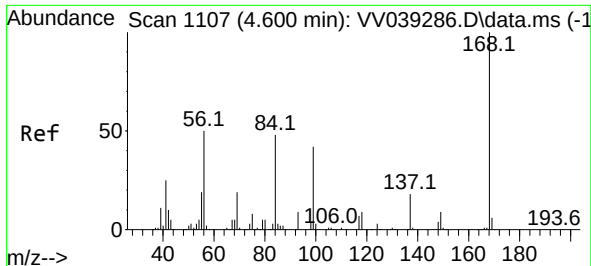
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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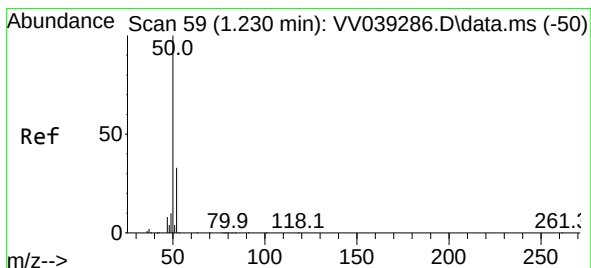
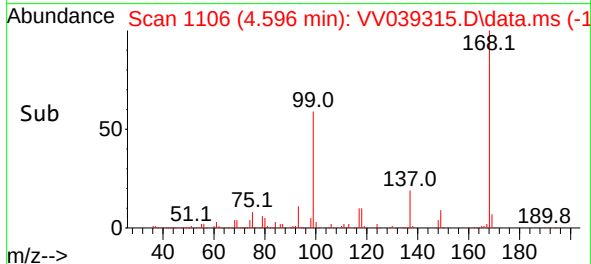
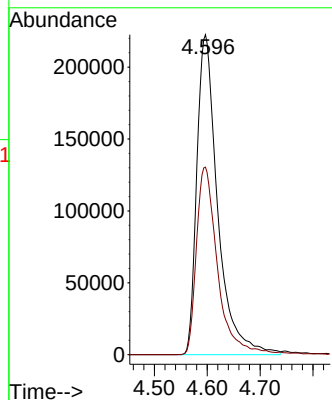
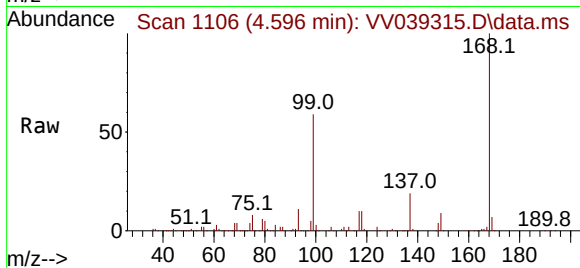




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.004 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

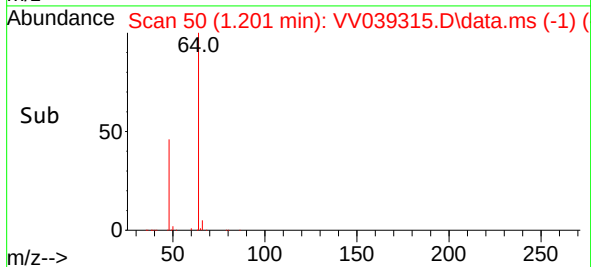
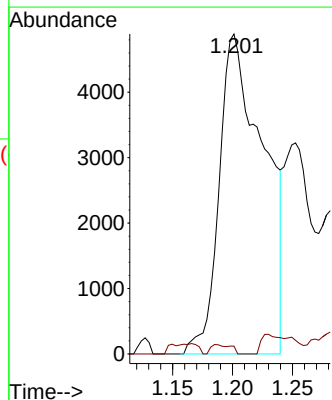
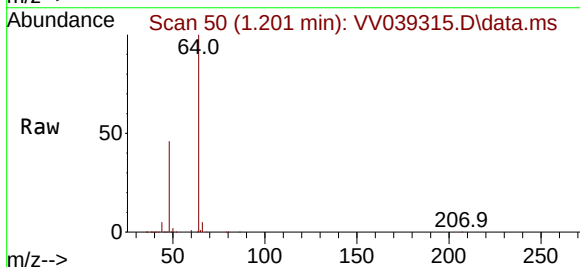
Instrument :
MSVOA_V
ClientSampleId :

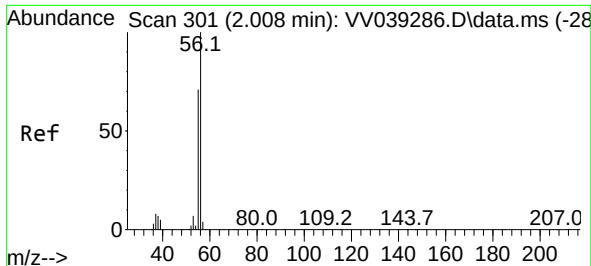
Tgt Ion:168 Resp: 609245
Ion Ratio Lower Upper
168 100
99 58.6 46.6 70.0



#3
Chloromethane
Concen: 1.566 ug/l
RT: 1.201 min Scan# 50
Delta R.T. -0.029 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 50 Resp: 12558
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

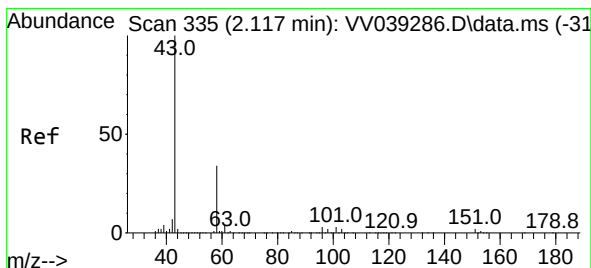
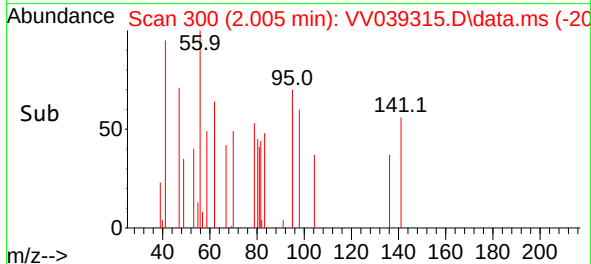
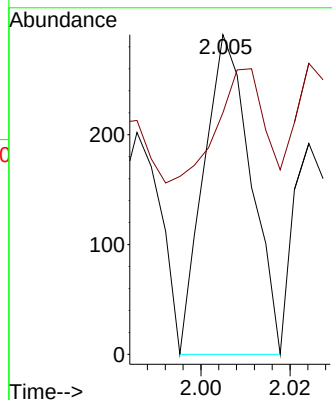
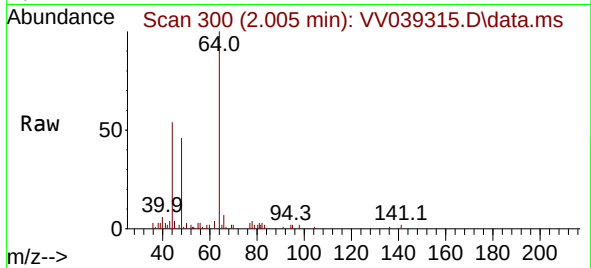




#13
Acrolein
Concen: Below Cal
RT: 2.005 min Scan# 301
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

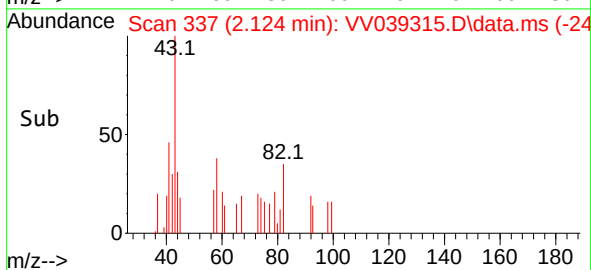
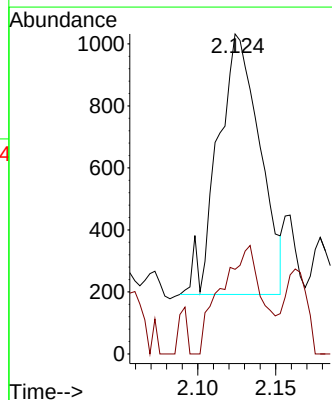
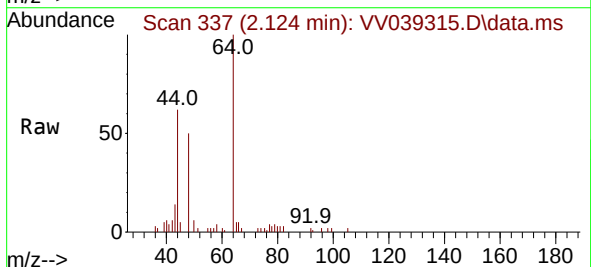
Instrument :
MSVOA_V
ClientSampleId :

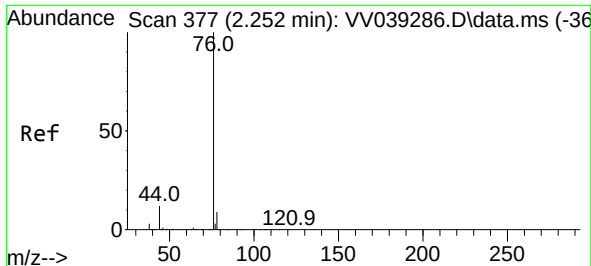
Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 31.9 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
58 17.4 27.5 41.3#

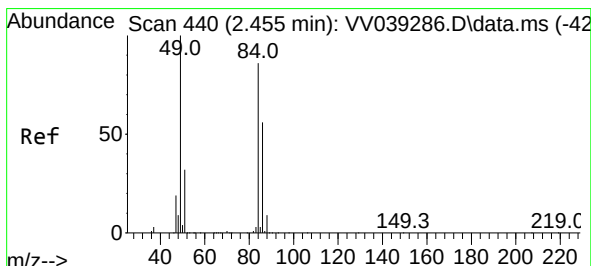
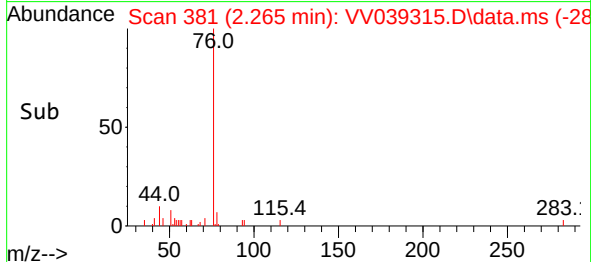
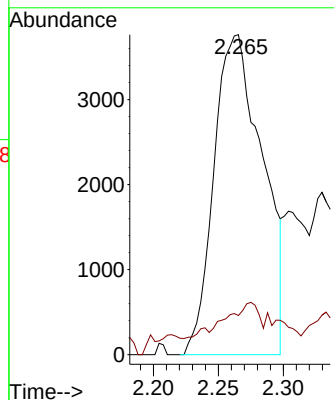
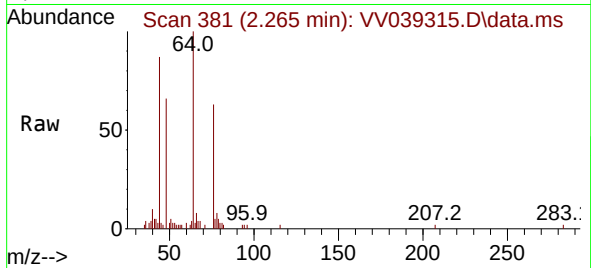




#17
Carbon Disulfide
Concen: 0.422 ug/l
RT: 2.265 min Scan# 381
Delta R.T. 0.013 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

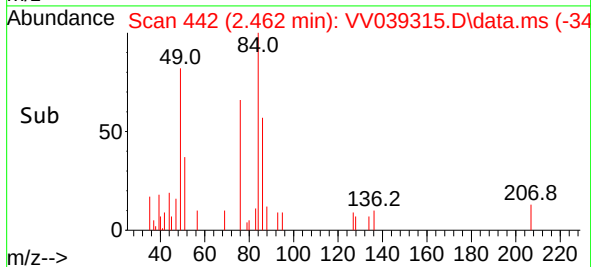
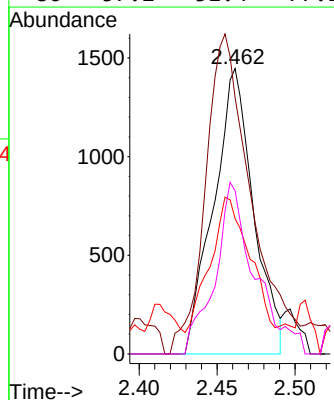
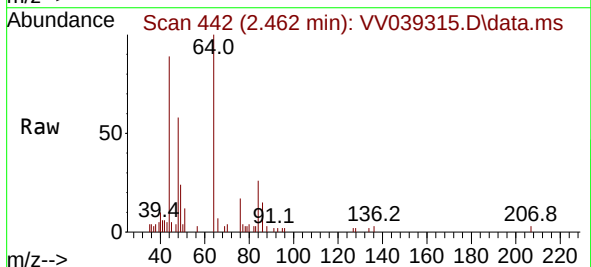
Instrument :
MSVOA_V
ClientSampleId :

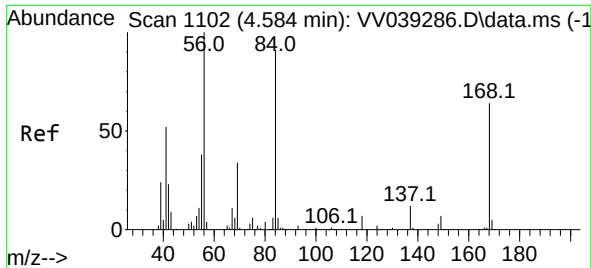
Tgt Ion: 76 Resp: 9791
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.462 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 84 Resp: 2576
Ion Ratio Lower Upper
84 100
49 81.4 92.6 139.0#
51 38.4 29.6 44.4
86 57.2 51.4 77.2

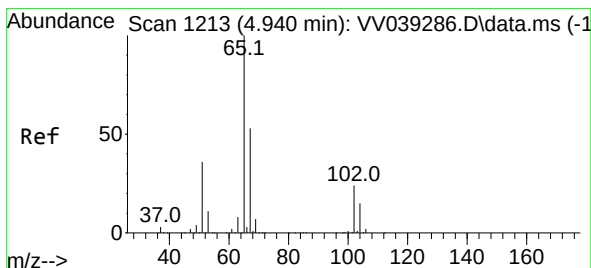
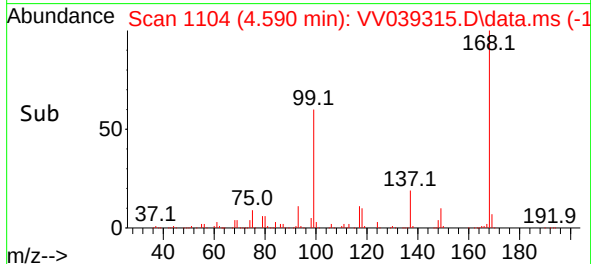
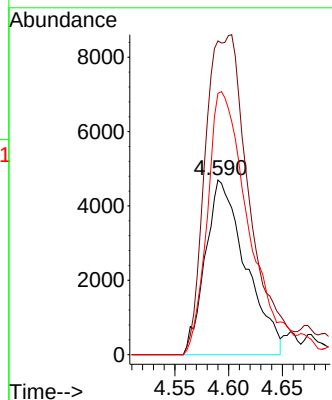
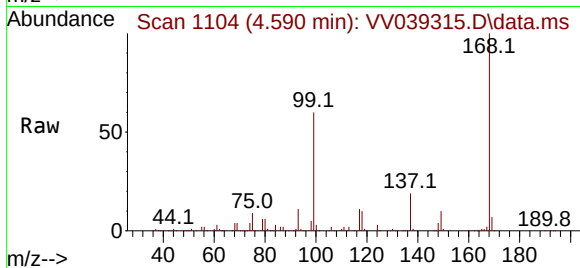




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 4.590 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

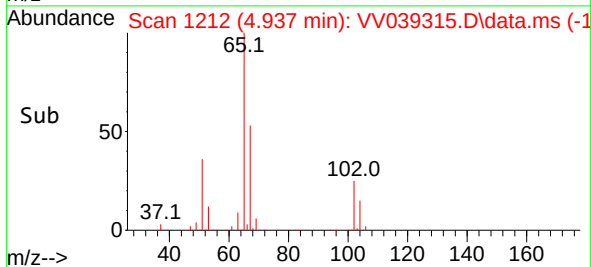
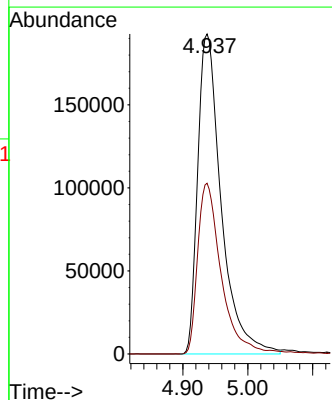
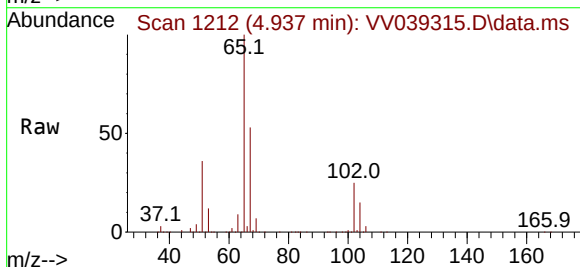
Instrument :
MSVOA_V
ClientSampleId :

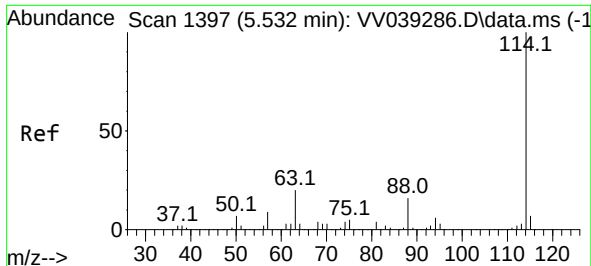
Tgt Ion: 56 Resp: 12252
Ion Ratio Lower Upper
56 100
69 179.6 27.4 41.0#
84 149.6 72.8 109.2#



#33
1,2-Dichloroethane-d4
Concen: 56.116 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 65 Resp: 485797
Ion Ratio Lower Upper
65 100
67 52.8 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1117082

Delta R.T. -0.003 min

Lab File: VV039315.D

Acq: 04 Nov 2025 15:32

Instrument :

MSVOA_V

ClientSampleId :

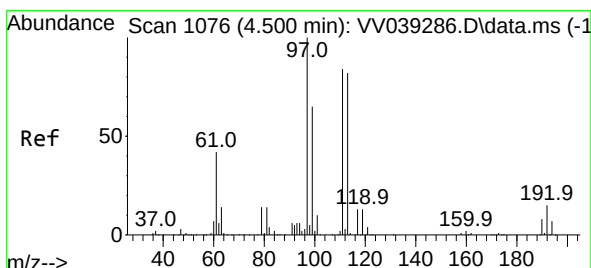
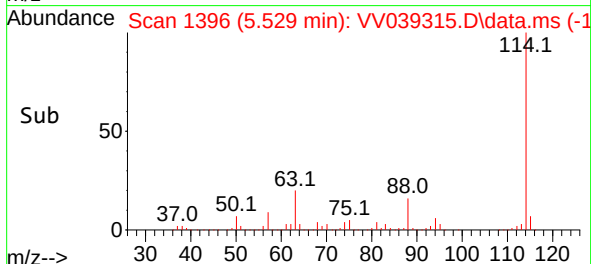
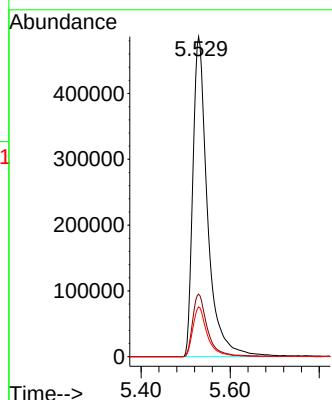
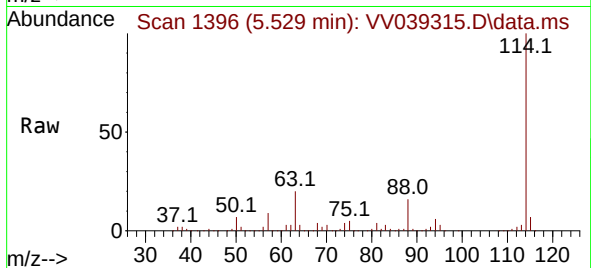
Tgt Ion:114 Resp: 1117082

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.040 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.003 min

Lab File: VV039315.D

Acq: 04 Nov 2025 15:32

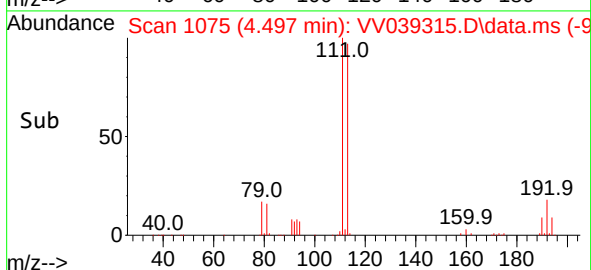
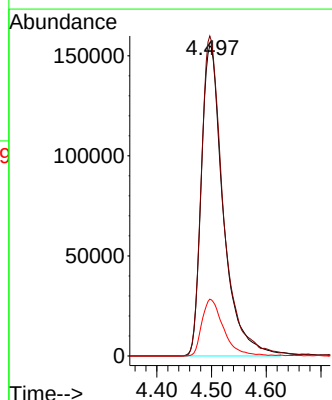
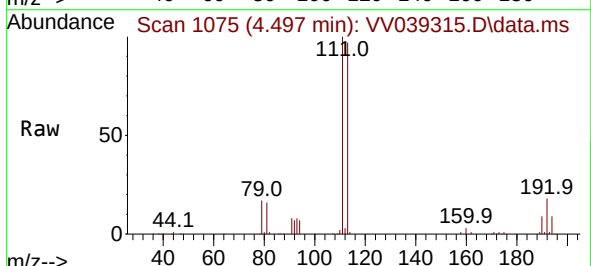
Tgt Ion:113 Resp: 431638

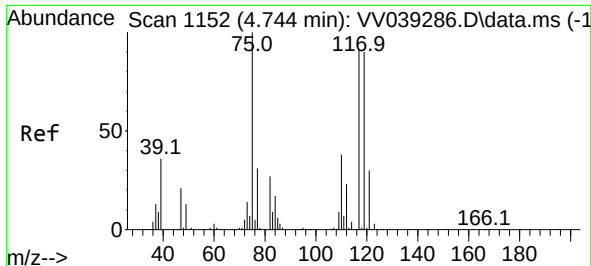
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.0 14.3 21.5

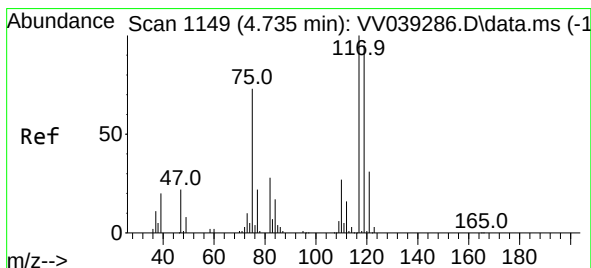
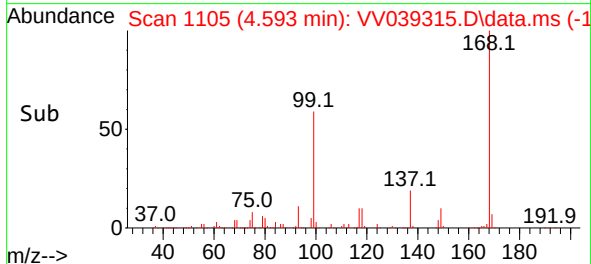
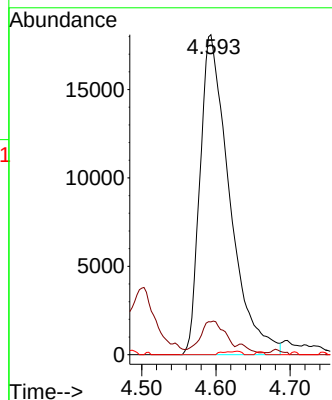
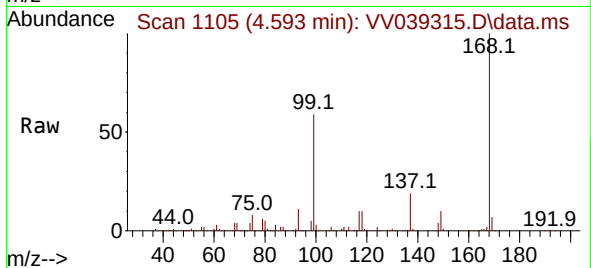




#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.151 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

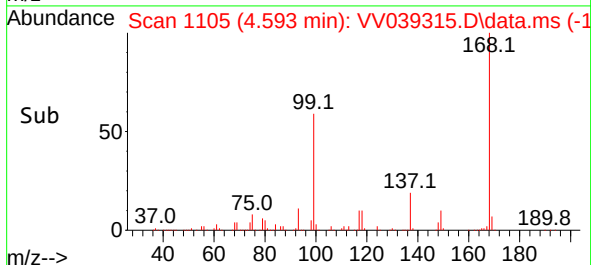
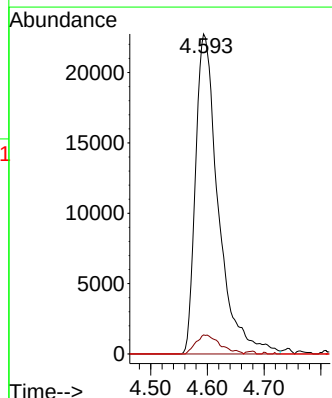
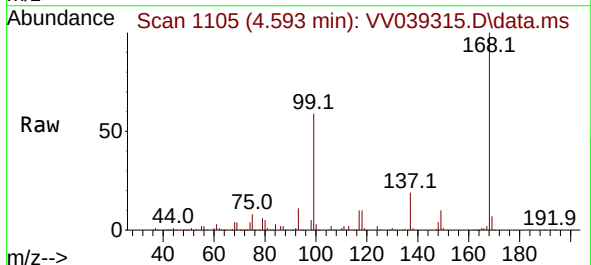
Instrument :
MSVOA_V
ClientSampleId :

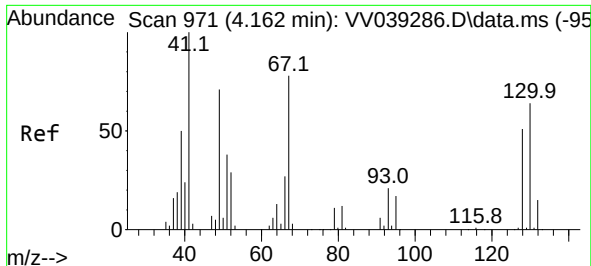
Tgt Ion: 75 Resp: 49910
Ion Ratio Lower Upper
75 100
110 6.9 18.9 56.7#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 4.712 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

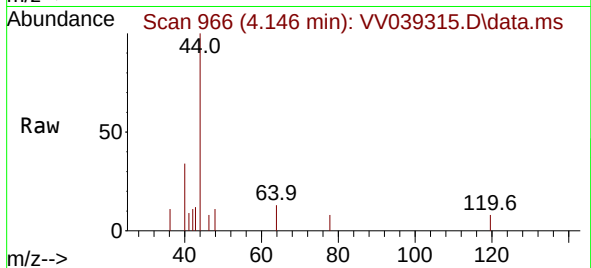
Tgt Ion: 117 Resp: 63466
Ion Ratio Lower Upper
117 100
119 5.9 75.9 113.9#
121 0.0 24.6 37.0#



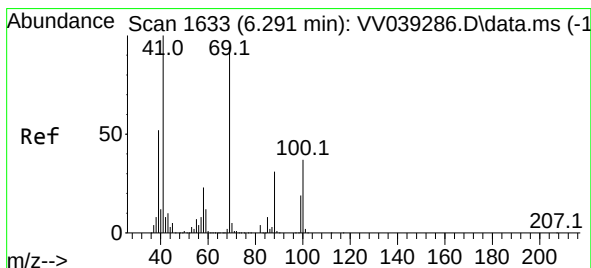
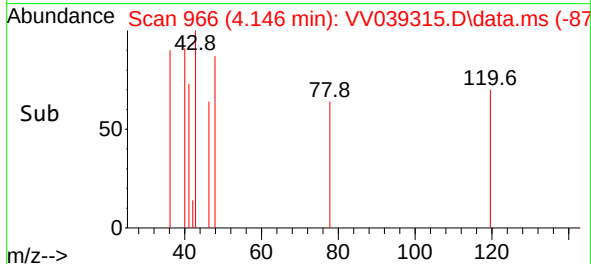
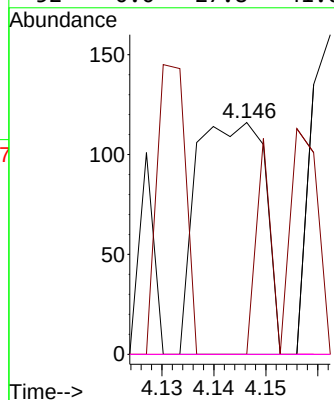


#41
Methacrylonitrile
Concen: 1.710 ug/l
RT: 4.146 min Scan# 90
Delta R.T. -0.016 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Instrument :
MSVOA_V
ClientSampleId :

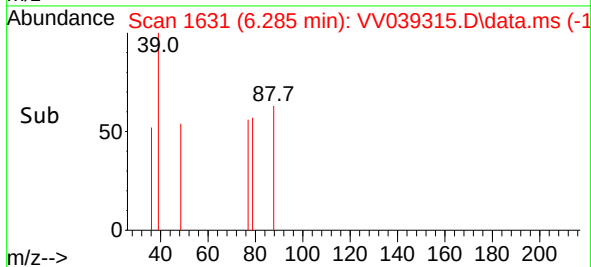
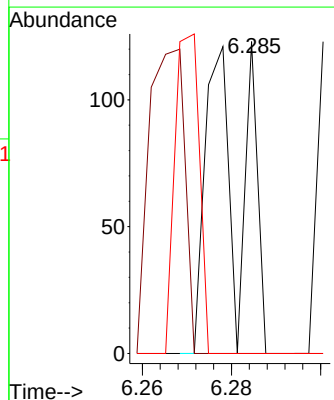
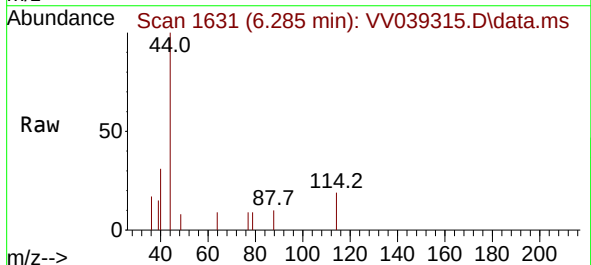


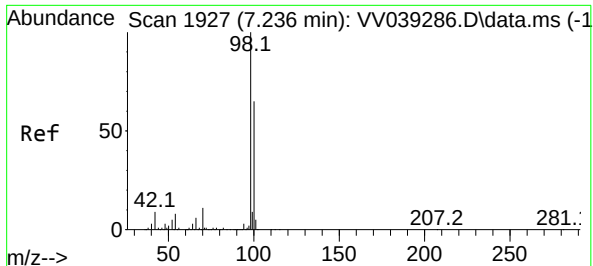
Tgt Ion:	41	Resp:	106
Ion	Ratio	Lower	Upper
41	100		
39	58.5	40.9	61.3
67	0.0	73.1	109.7#
52	0.0	27.8	41.6#



#49
1,4-Dioxane
Concen: 0.521 ug/l
RT: 6.285 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion:	88	Resp:	68
Ion	Ratio	Lower	Upper
88	100		
43	97.1	24.1	36.1#
58	70.6	57.6	86.4

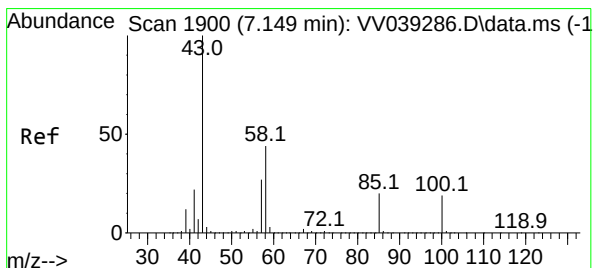
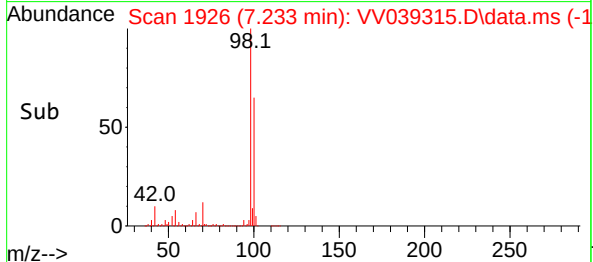
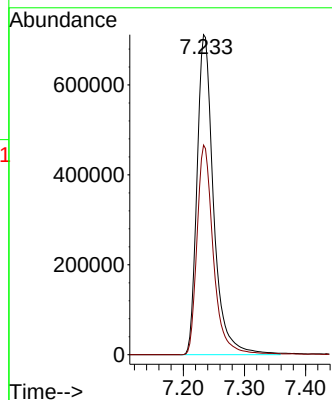
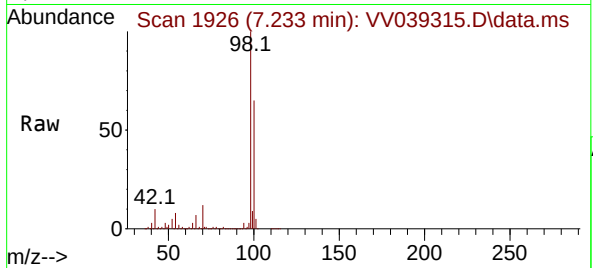




#50
Toluene-d8
Concen: 44.734 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

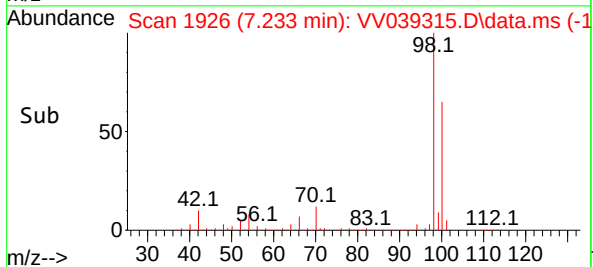
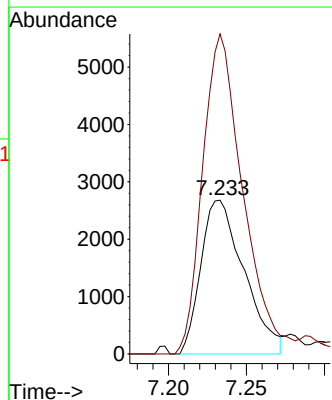
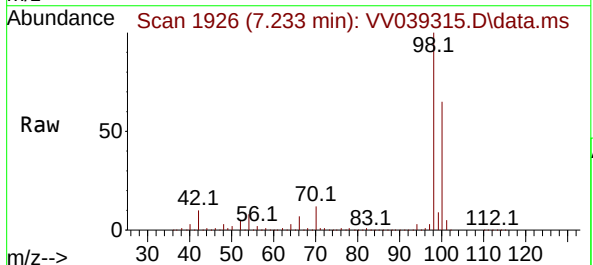
Instrument :
MSVOA_V
ClientSampleId :

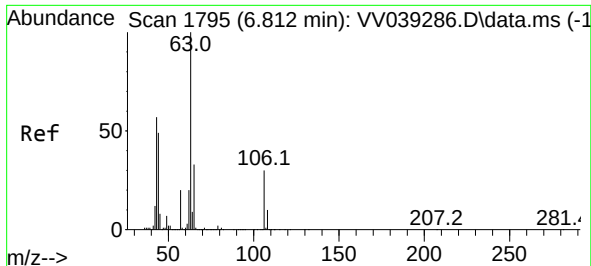
Tgt Ion: 98 Resp: 1339479
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.084 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 43 Resp: 5165
Ion Ratio Lower Upper
43 100
58 194.3 34.2 51.4#

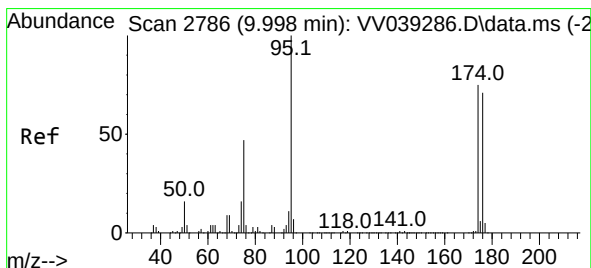
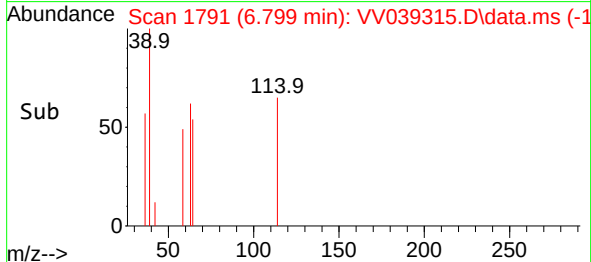
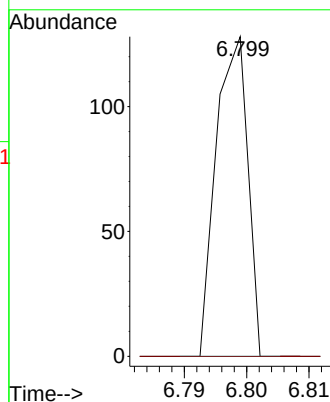
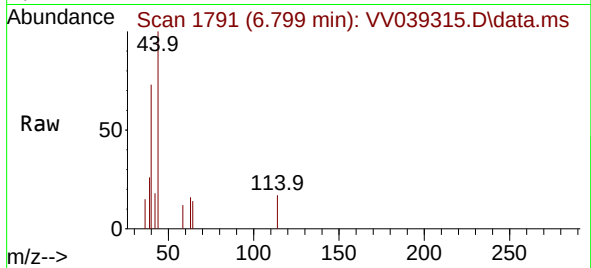




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.474 ug/l
 RT: 6.799 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: VV039315.D
 Acq: 04 Nov 2025 15:32

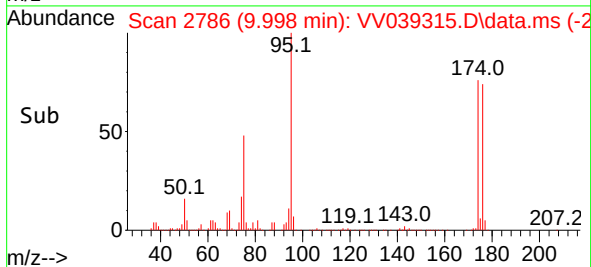
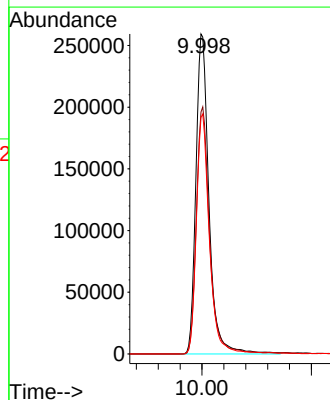
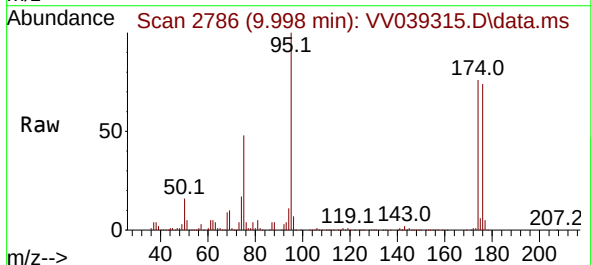
Instrument :
 MSVOA_V
 ClientSampleId :

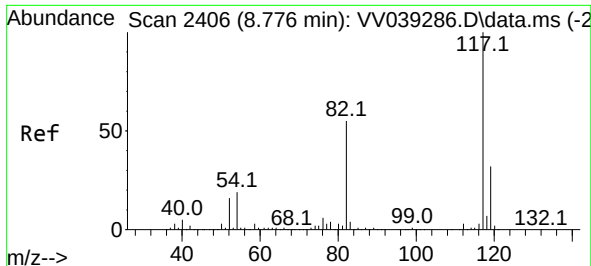
Tgt Ion: 63 Resp: 45
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#



#62
 4-Bromofluorobenzene
 Concen: 40.236 ug/l
 RT: 9.998 min Scan# 2786
 Delta R.T. 0.000 min
 Lab File: VV039315.D
 Acq: 04 Nov 2025 15:32

Tgt Ion: 95 Resp: 429077
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 153.6
 176 74.8 0.0 146.0

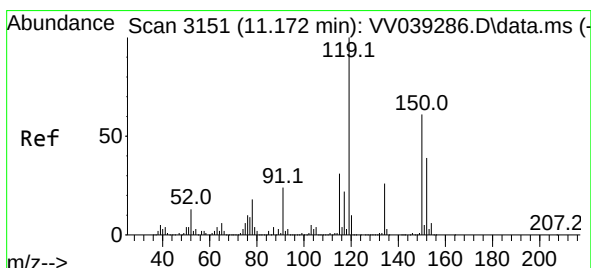
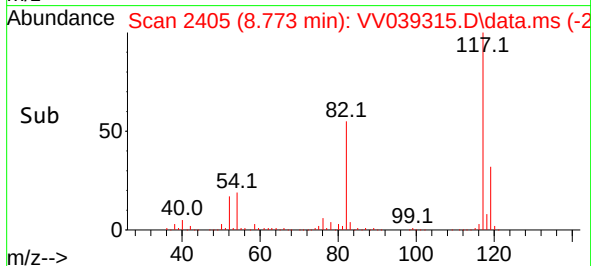
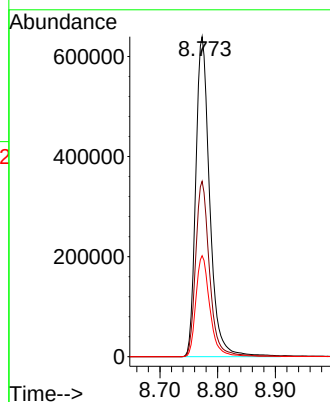
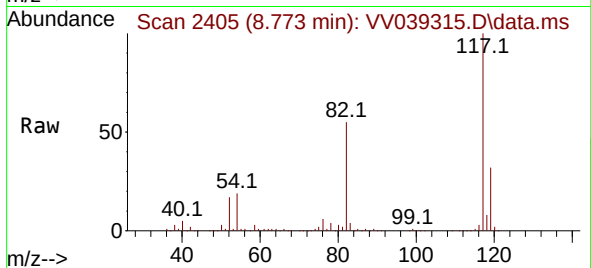




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

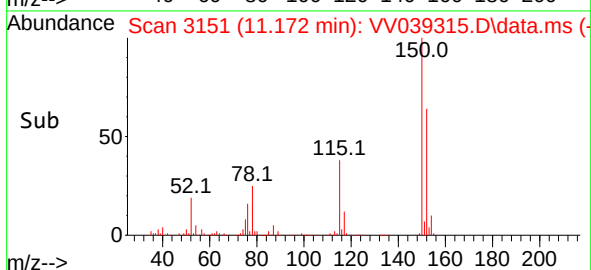
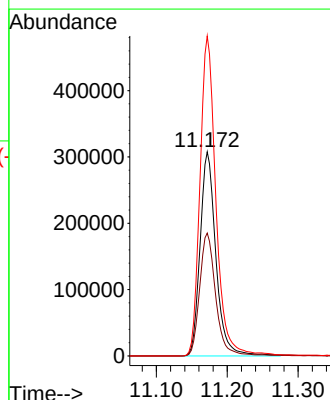
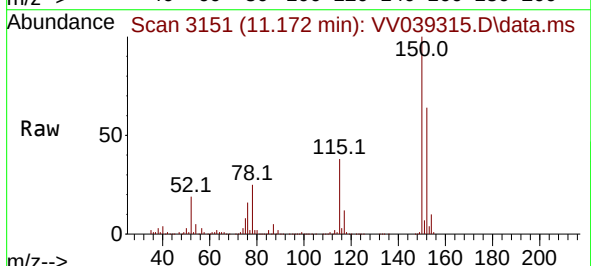
Instrument :
MSVOA_V
ClientSampleId :

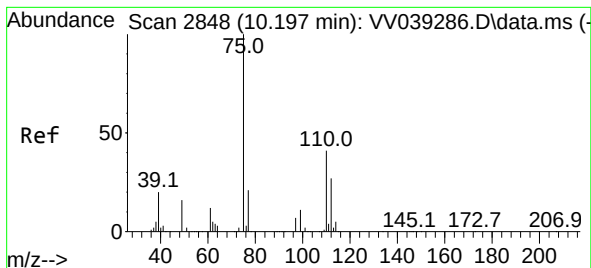
Tgt Ion:117 Resp: 1076528
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion:152 Resp: 478826
Ion Ratio Lower Upper
152 100
115 60.6 42.3 126.8
150 156.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 21.653 ug/l

RT: 9.998 min Scan# 21

Delta R.T. -0.199 min

Lab File: VV039315.D

Acq: 04 Nov 2025 15:32

Instrument :

MSVOA_V

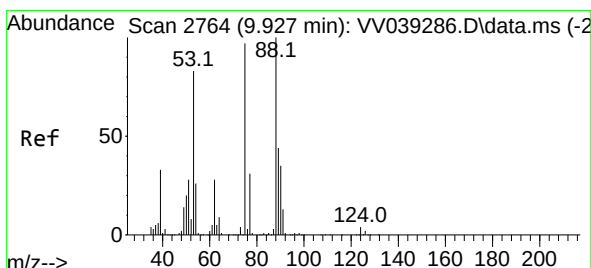
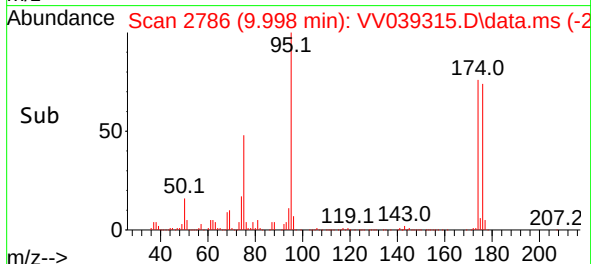
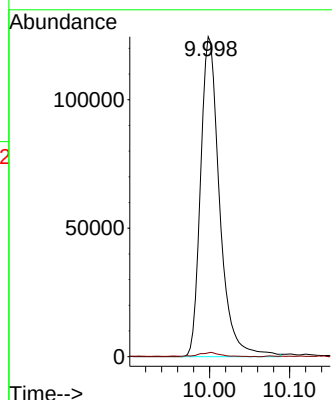
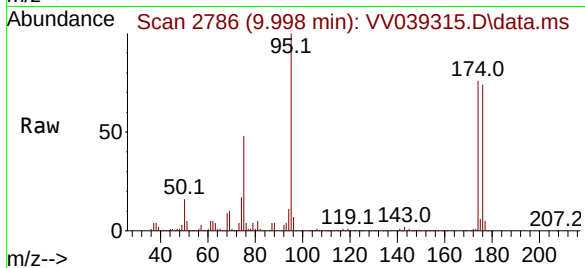
ClientSampleId :

Tgt Ion: 75 Resp: 206931

Ion Ratio Lower Upper

75 100

77 1.5 12.2 36.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.684 ug/l

RT: 9.998 min Scan# 2786

Delta R.T. 0.071 min

Lab File: VV039315.D

Acq: 04 Nov 2025 15:32

Tgt Ion: 75 Resp: 206931

Ion Ratio Lower Upper

75 100

53 0.5 69.9 104.9#

89 0.0 37.4 56.0#

