

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039343.D
 Acq On : 05 Nov 2025 18:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 00:19:50 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)

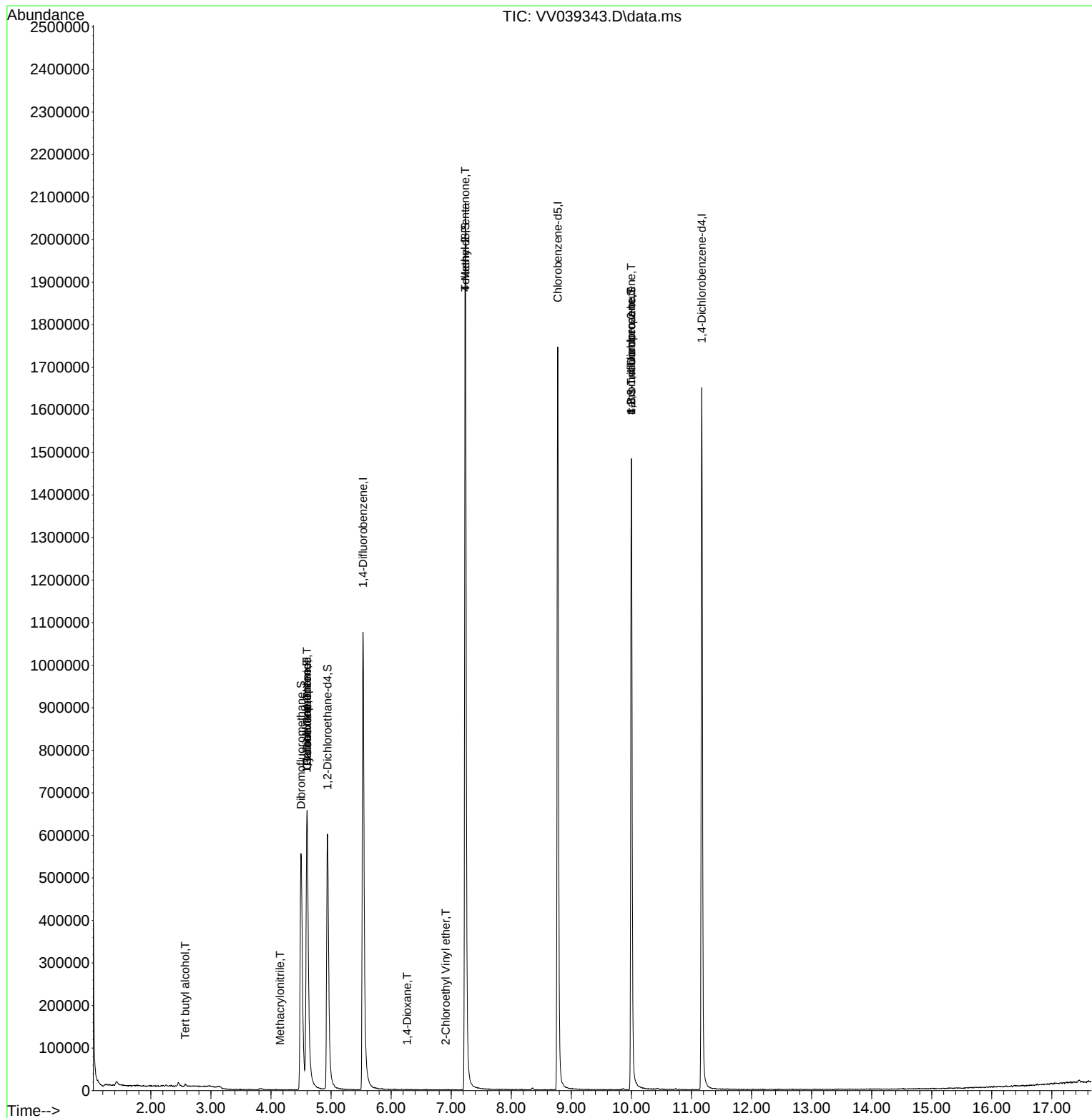
Internal Standards						
1) Pentafluorobenzene	4.600	168	587692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1063324	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1010398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	449521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	529468	63.403	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	126.800%#
35) Dibromofluoromethane	4.500	113	477139	56.950	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	113.900%
50) Toluene-d8	7.236	98	1508587	52.928	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	105.860%
62) 4-Bromofluorobenzene	9.998	95	516782	50.910	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	101.820%
Target Compounds						
					Qvalue	
6) Chloroethane	1.561	64	170	Below Cal	#	41
11) Tert butyl alcohol	2.571	59	457	0.282	ug/l #	85
13) Acrolein	1.995	56	272	Below Cal	#	15
16) Acetone	2.127	43	1264	Below Cal	#	88
20) Methylene Chloride	2.462	84	4250	Below Cal	#	88
31) Cyclohexane	4.603	56	12406	1.127	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	45065	4.282	ug/l #	46
38) Carbon Tetrachloride	4.600	117	60529	4.721	ug/l #	18
41) Methacrylonitrile	4.150	41	190	1.726	ug/l #	36
49) 1,4-Dioxane	6.268	88	48	0.386	ug/l #	33
51) 4-Methyl-2-Pentanone	7.236	43	5130	0.458	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.908	63	179	8.495	ug/l	93
76) 1,2,3-Trichloropropane	9.998	75	246614	27.487	ug/l #	53
81) trans-1,4-Dichloro-2-b...	9.998	75	246614	69.419	ug/l #	14

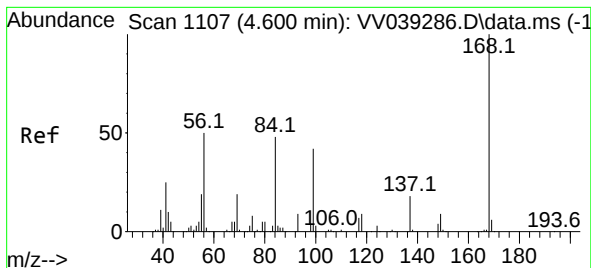
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 00:19:50 2025
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QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV039343.D

Acq: 05 Nov 2025 18:05

Instrument :

MSVOA_V

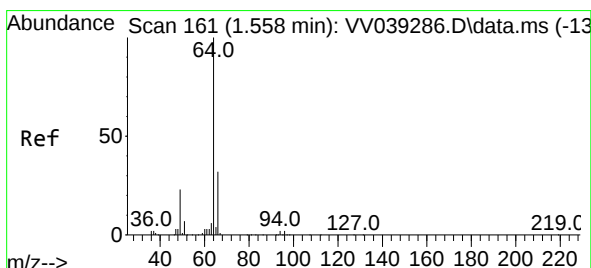
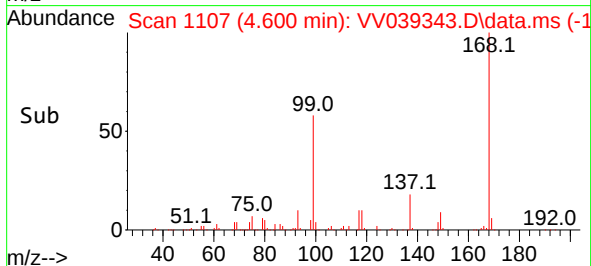
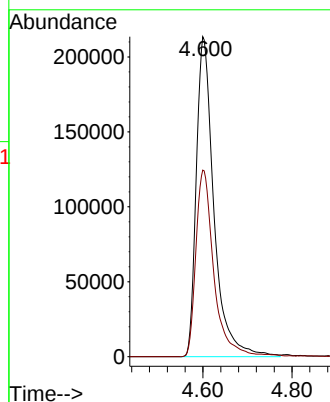
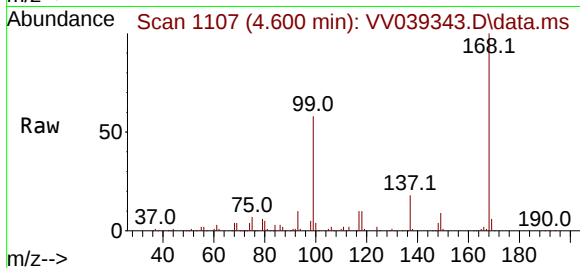
ClientSampleId :

Tgt Ion:168 Resp: 587692

Ion Ratio Lower Upper

168 100

99 58.3 46.6 70.0



#6

Chloroethane

Concen: Below Cal

RT: 1.561 min Scan# 162

Delta R.T. 0.003 min

Lab File: VV039343.D

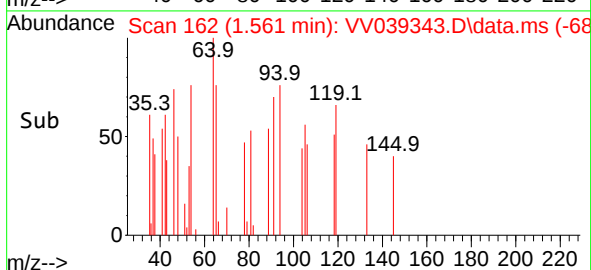
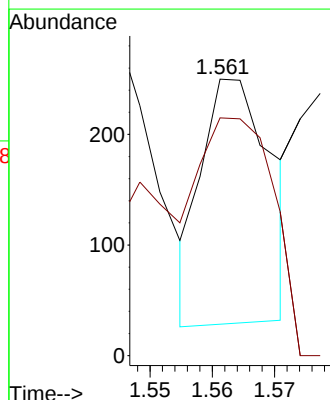
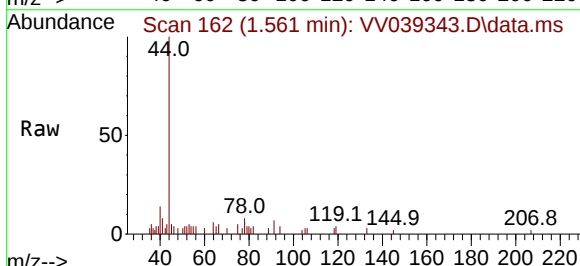
Acq: 05 Nov 2025 18:05

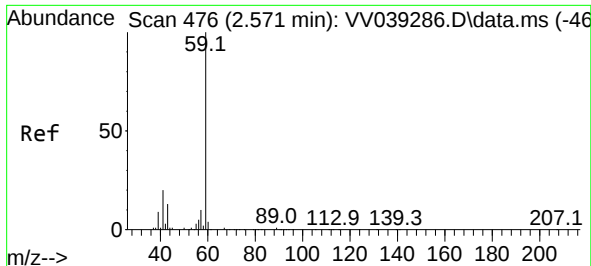
Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 65.1 25.7 38.5#

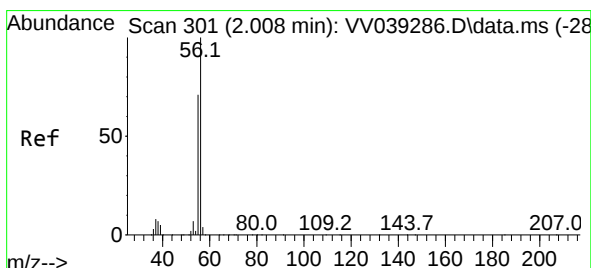
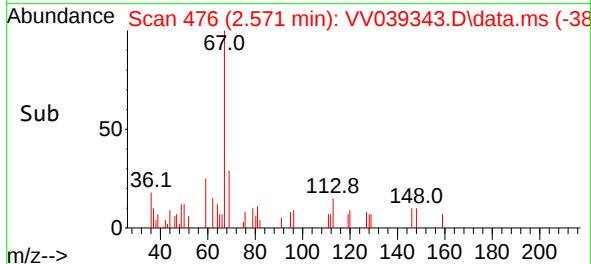
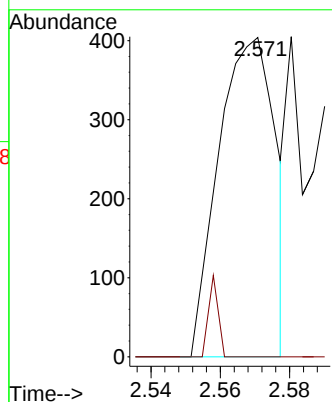
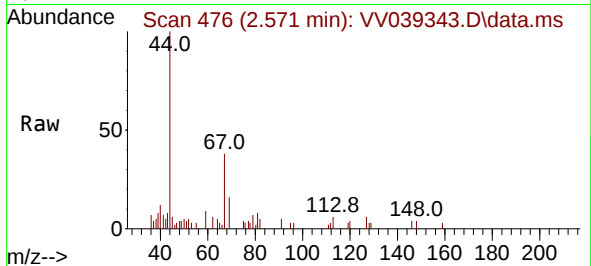




#11
Tert butyl alcohol
Concen: 0.282 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

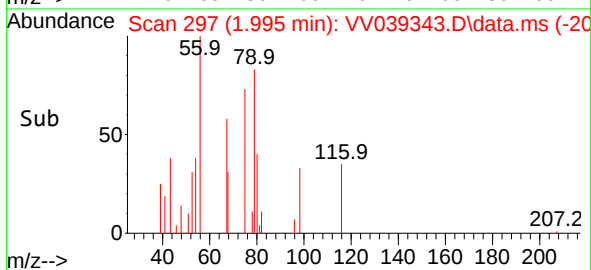
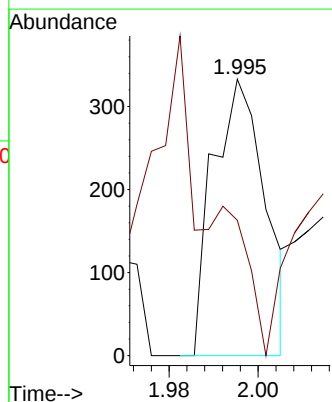
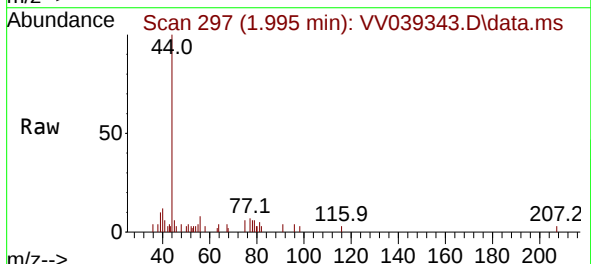
Instrument :
MSVOA_V
ClientSampleId :

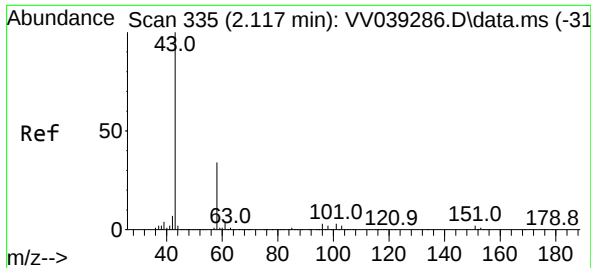
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 4.4 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 1.995 min Scan# 297
Delta R.T. -0.013 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

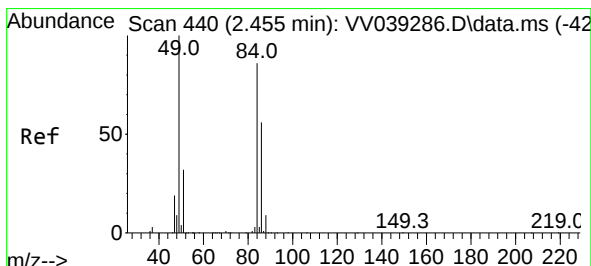
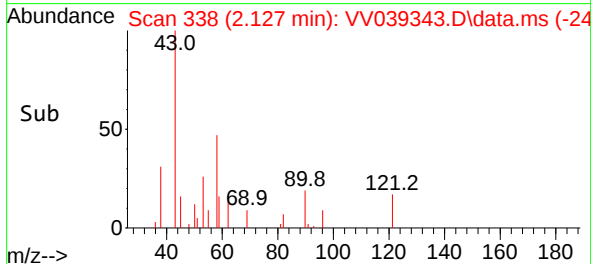
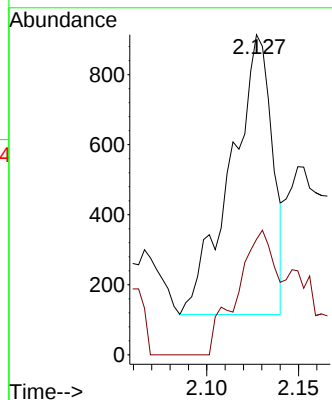
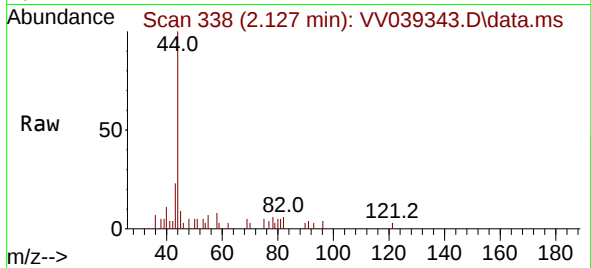




#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

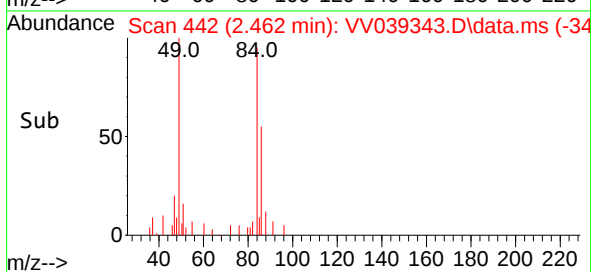
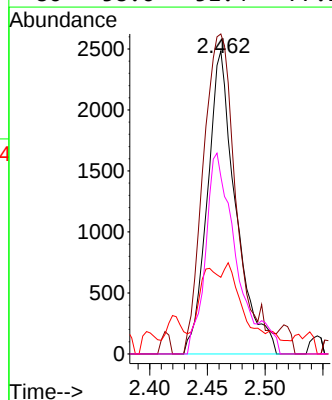
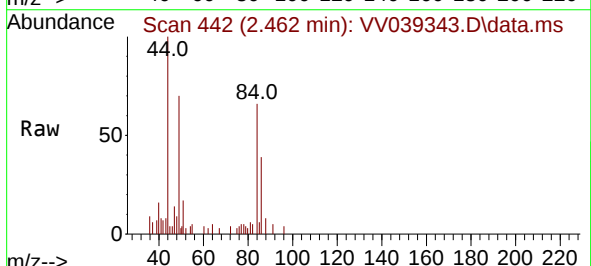
Instrument :
MSVOA_V
ClientSampleId :

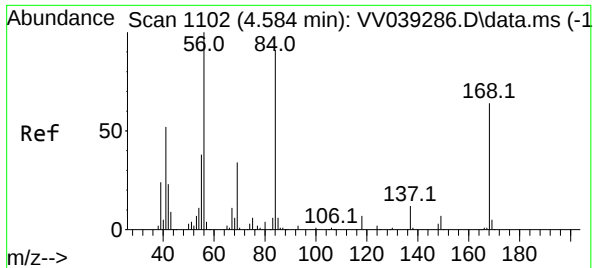
Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 41.3 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.462 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

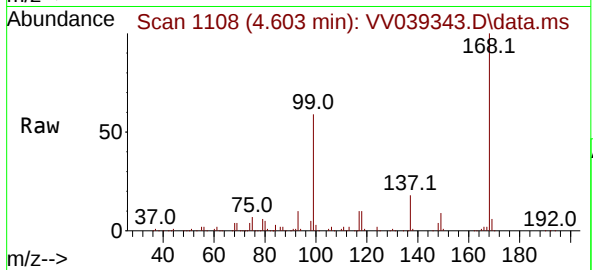
Tgt Ion: 84 Resp: 4250
Ion Ratio Lower Upper
84 100
49 105.6 92.6 139.0
51 20.7 29.6 44.4#
86 58.6 51.4 77.2



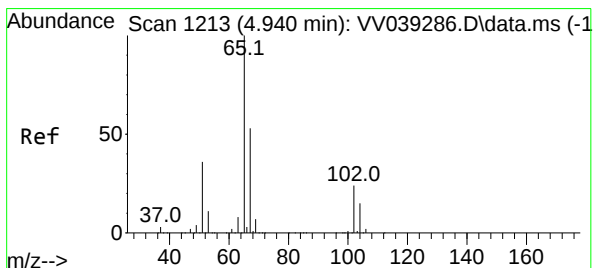
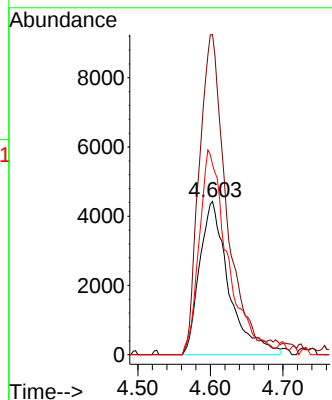
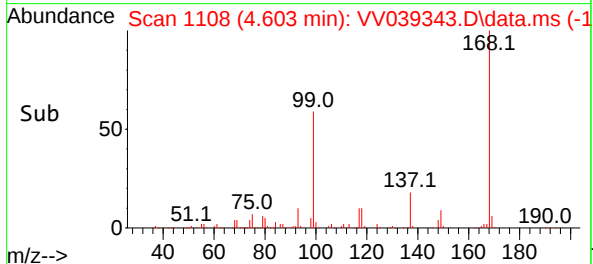


#31
Cyclohexane
Concen: 1.127 ug/l
RT: 4.603 min Scan# 1102
Delta R.T. 0.019 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Instrument :
MSVOA_V
ClientSampleId :

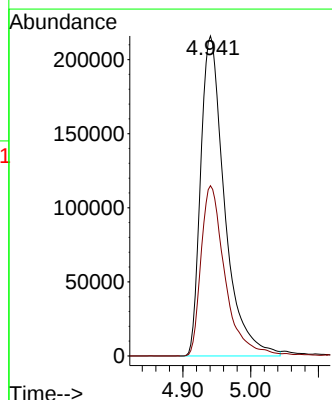
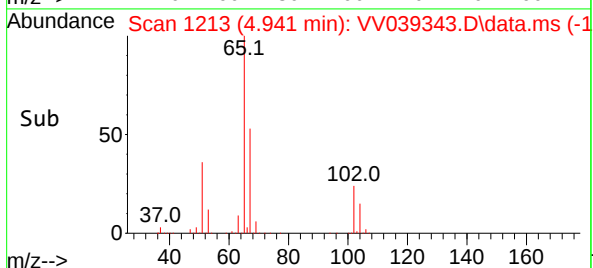
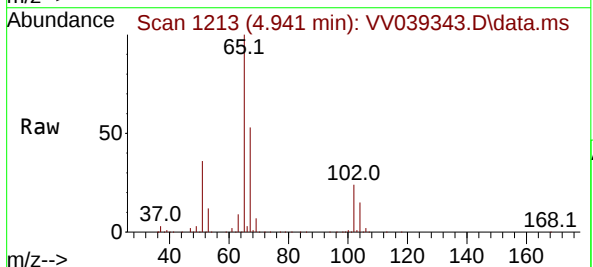


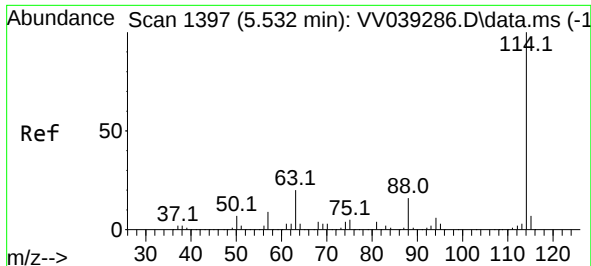
Tgt Ion: 56 Resp: 12406
Ion Ratio Lower Upper
56 100
69 208.8 27.4 41.0#
84 124.0 72.8 109.2#



#33
1,2-Dichloroethane-d4
Concen: 63.403 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 65 Resp: 529468
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.4

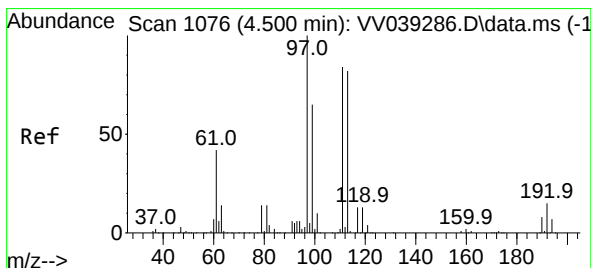
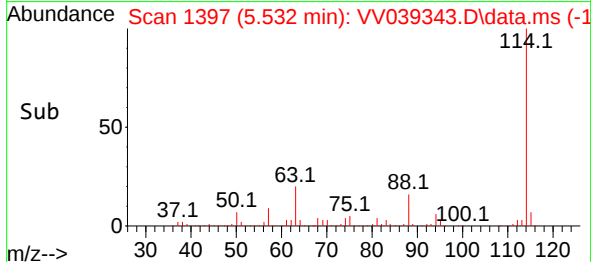
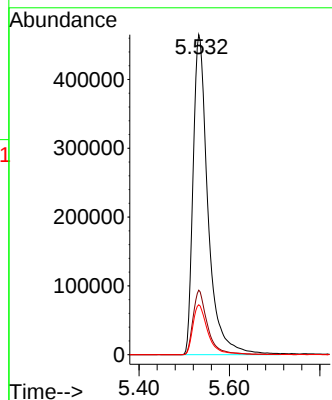
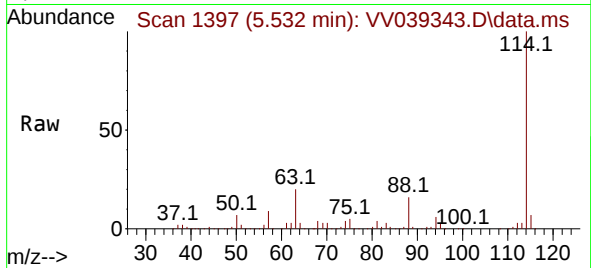




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

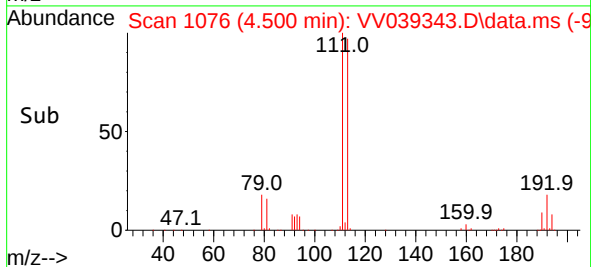
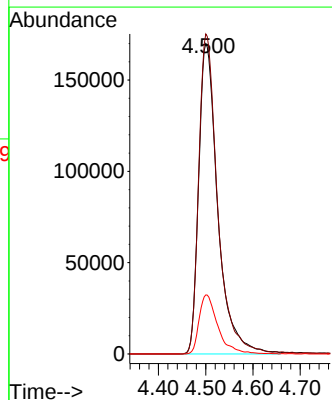
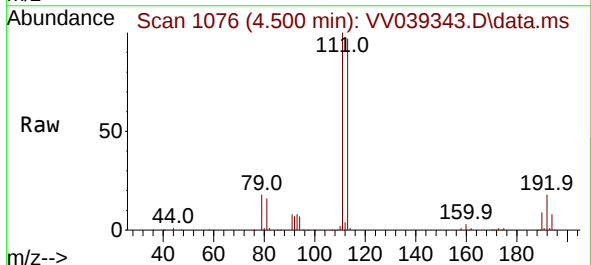
Instrument :
MSVOA_V
ClientSampleId :

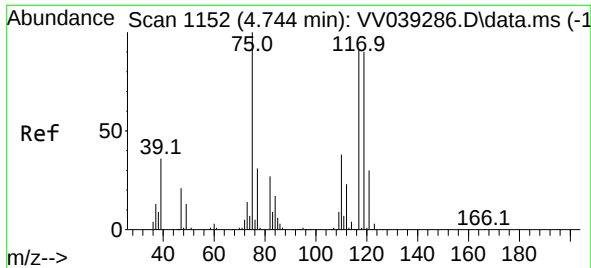
Tgt Ion:114 Resp: 1063324
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 56.950 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion:113 Resp: 477139
Ion Ratio Lower Upper
113 100
111 101.4 82.0 123.0
192 18.7 14.3 21.5

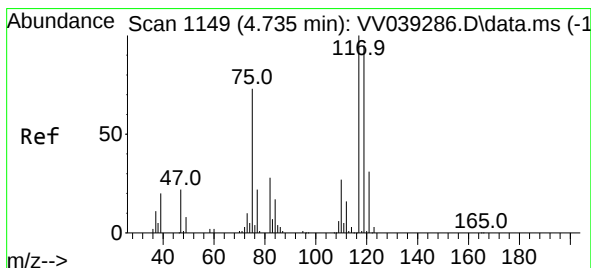
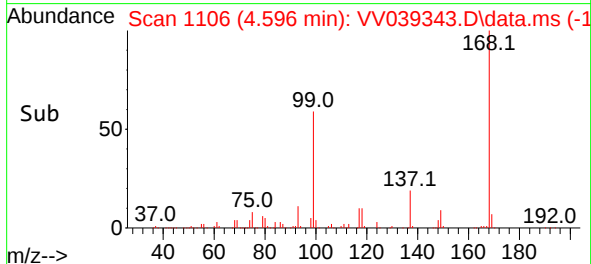
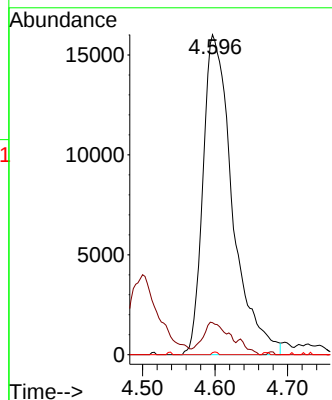
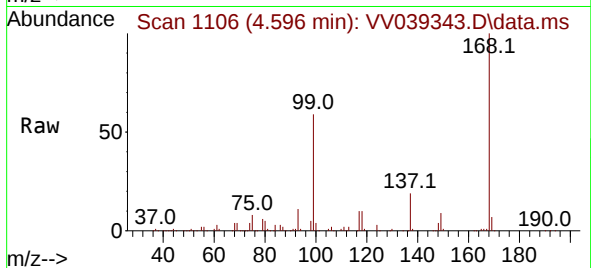




#36
1,1-Dichloropropene
Concen: 4.282 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.148 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

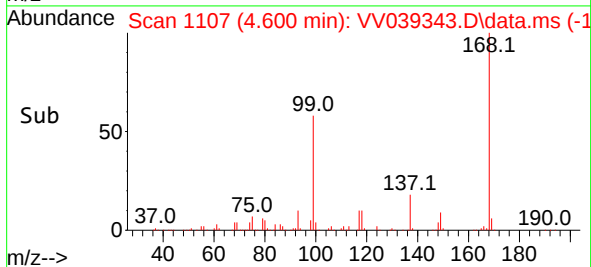
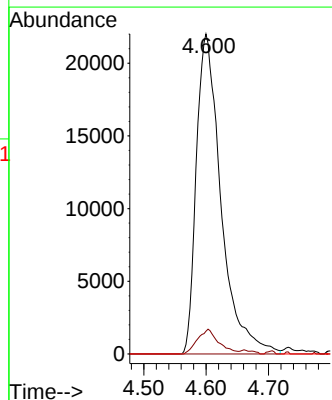
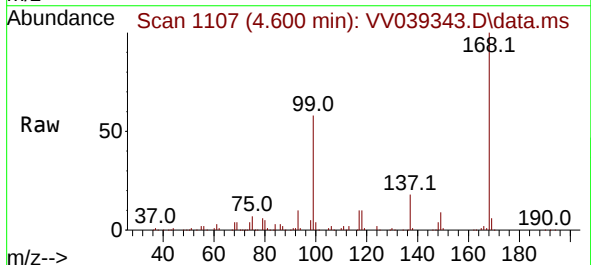
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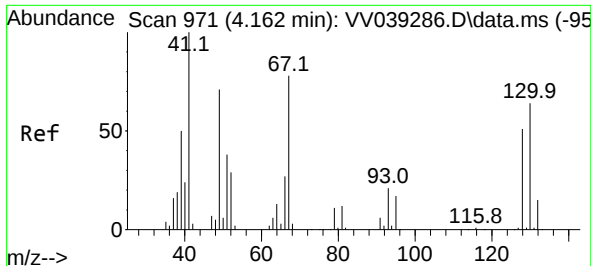
Tgt Ion: 75 Resp: 45065
Ion Ratio Lower Upper
75 100
110 6.2 18.9 56.7#
77 0.1 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 4.721 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

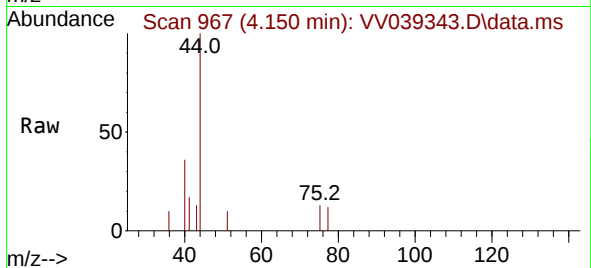
Tgt Ion: 117 Resp: 60529
Ion Ratio Lower Upper
117 100
119 7.1 75.9 113.9#
121 0.0 24.6 37.0#



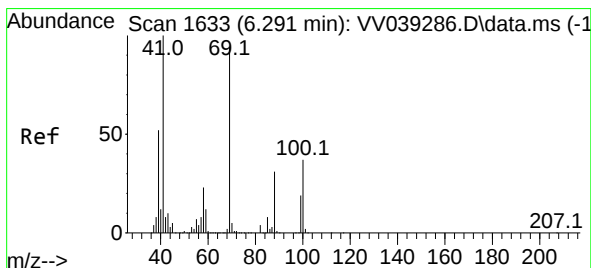
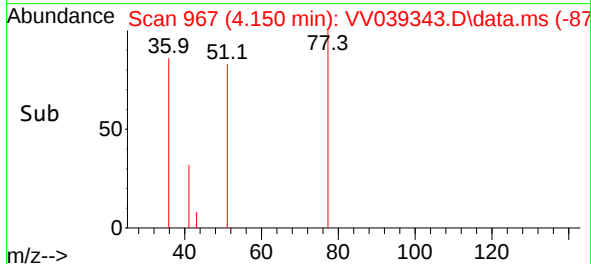
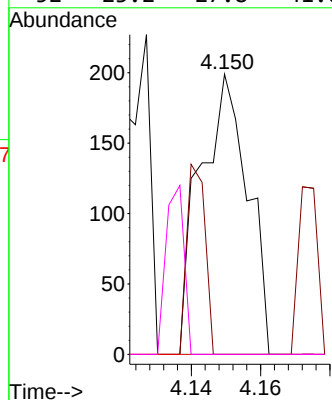


#41
Methacrylonitrile
Concen: 1.726 ug/l
RT: 4.150 min Scan# 90
Delta R.T. -0.013 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Instrument :
MSVOA_V
ClientSampleId :

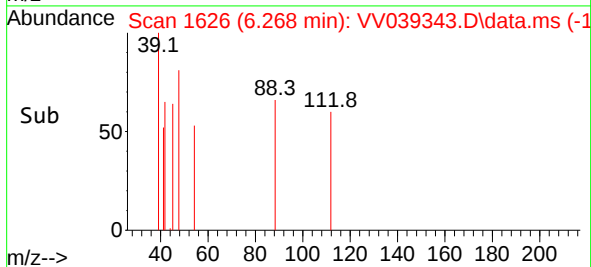
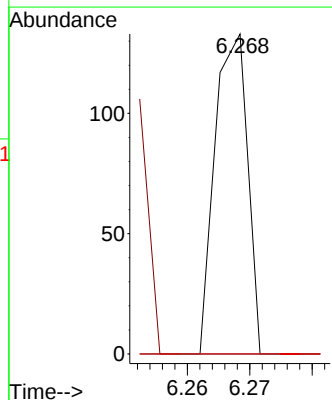
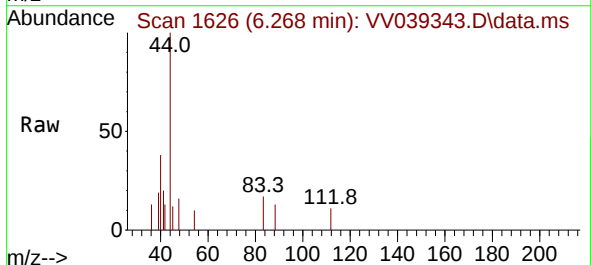


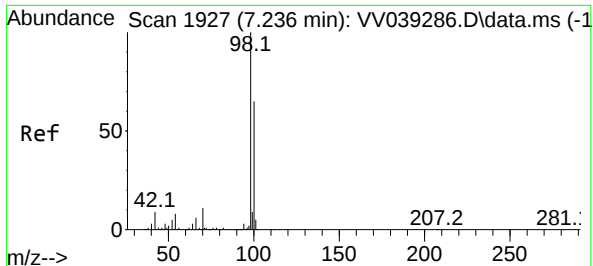
Tgt Ion: 41	Resp:	190
Ion	Ratio	Lower Upper
41	100	
39	26.3	40.9 61.3#
67	0.0	73.1 109.7#
52	23.2	27.8 41.6#



#49
1,4-Dioxane
Concen: 0.386 ug/l
RT: 6.268 min Scan# 1626
Delta R.T. -0.022 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 88	Resp:	48
Ion	Ratio	Lower Upper
88	100	
43	41.7	24.1 36.1#
58	0.0	57.6 86.4#





#50

Toluene-d8

Concen: 52.928 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039343.D

Acq: 05 Nov 2025 18:05

Instrument :

MSVOA_V

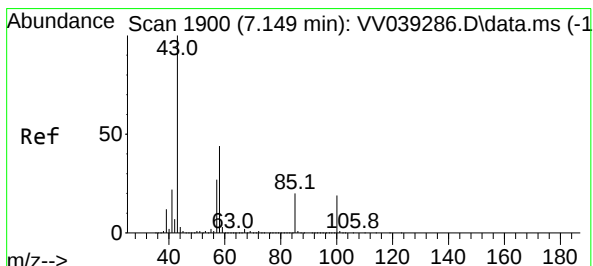
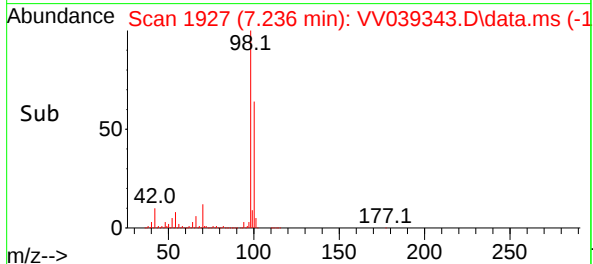
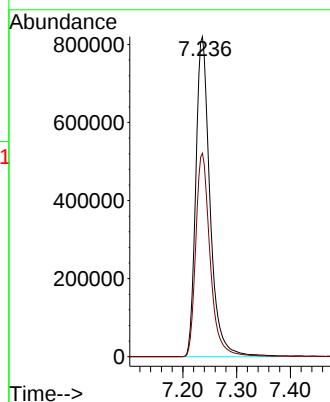
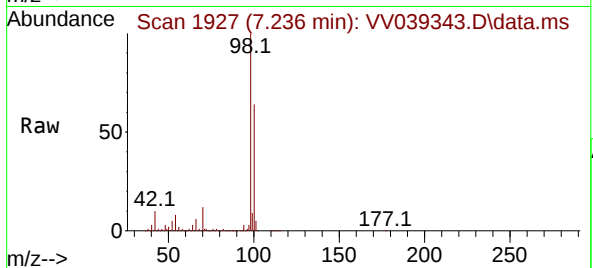
ClientSampleId :

Tgt Ion: 98 Resp: 1508587

Ion Ratio Lower Upper

98 100

100 64.2 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.458 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.087 min

Lab File: VV039343.D

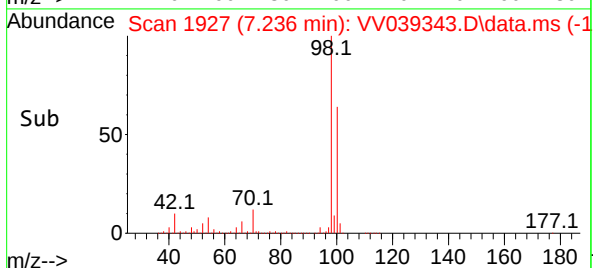
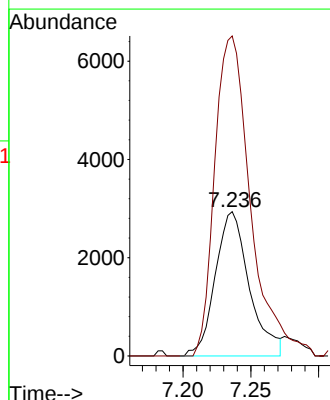
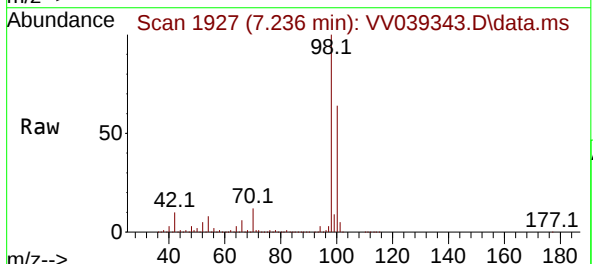
Acq: 05 Nov 2025 18:05

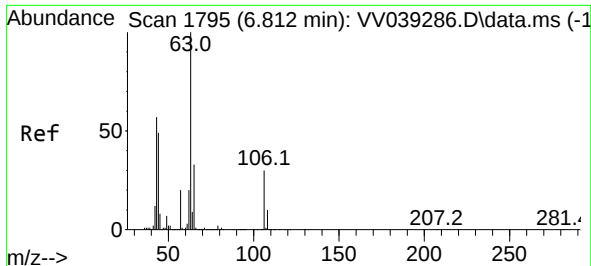
Tgt Ion: 43 Resp: 5130

Ion Ratio Lower Upper

43 100

58 234.0 34.2 51.4#

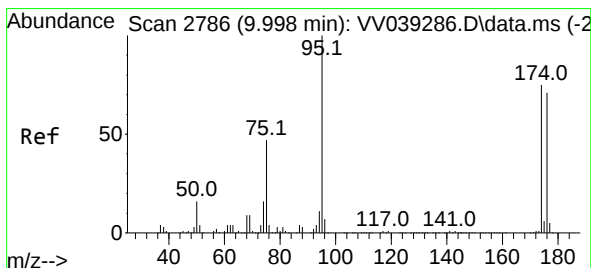
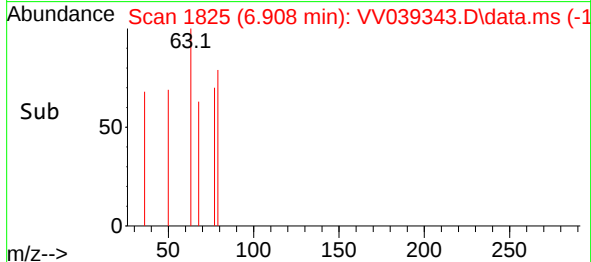
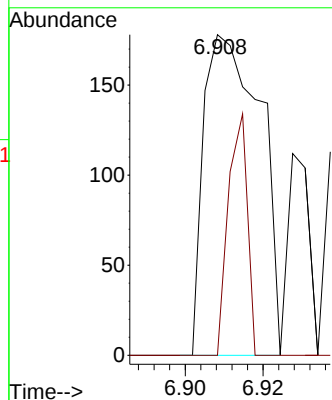
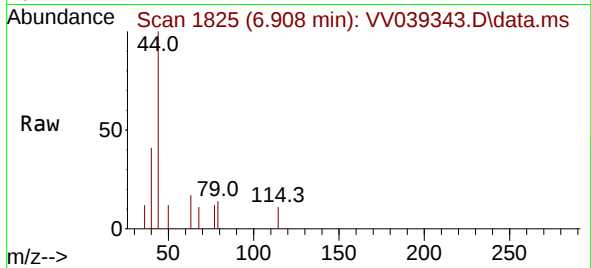




#58
2-Chloroethyl Vinyl ether
Concen: 8.495 ug/l
RT: 6.908 min Scan# 1825
Delta R.T. 0.097 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

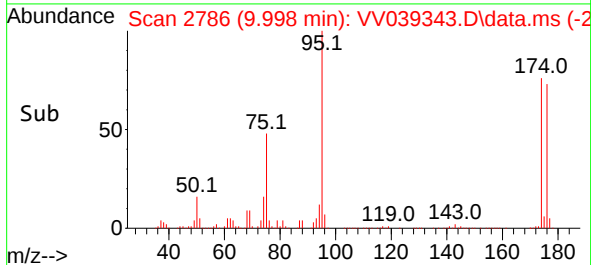
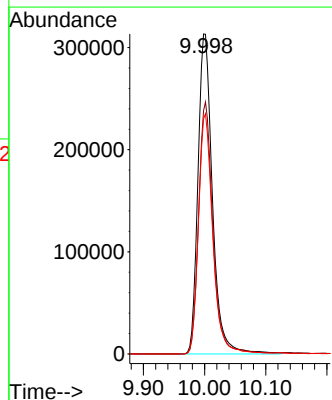
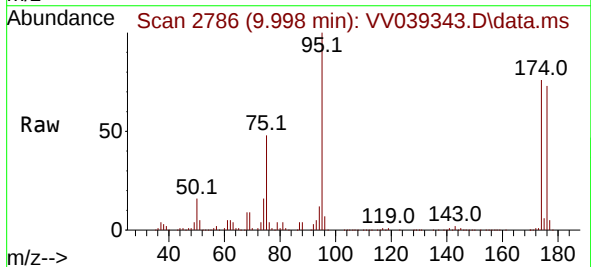
Instrument :
MSVOA_V
ClientSampleId :

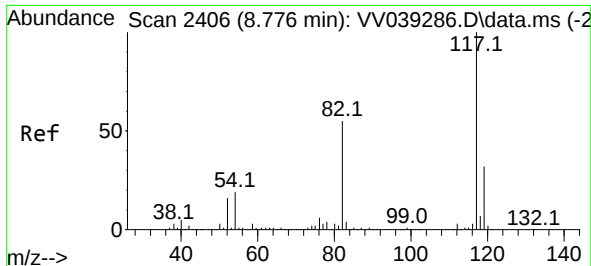
Tgt Ion: 63 Resp: 179
Ion Ratio Lower Upper
63 100
106 25.7 23.5 35.3



#62
4-Bromofluorobenzene
Concen: 50.910 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

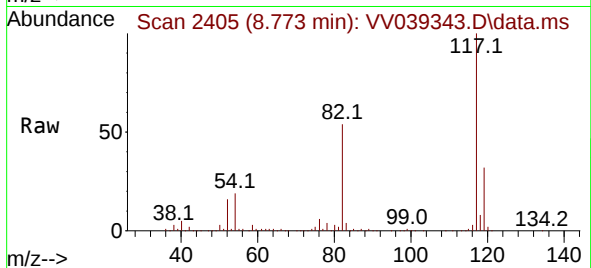
Tgt Ion: 95 Resp: 516782
Ion Ratio Lower Upper
95 100
174 77.6 0.0 153.6
176 73.9 0.0 146.0



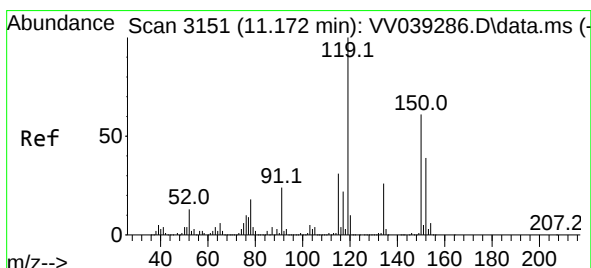
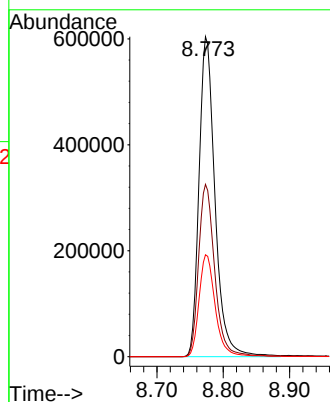
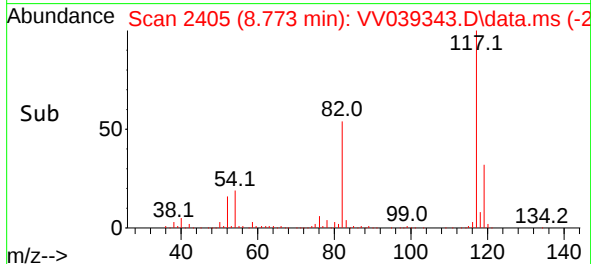


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

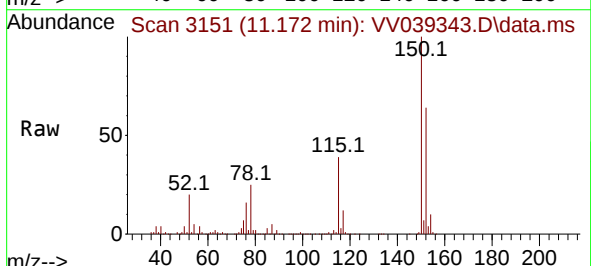
Instrument :
MSVOA_V
ClientSampleId :



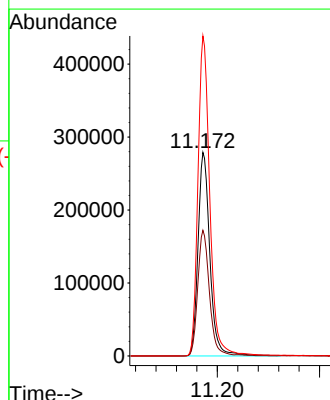
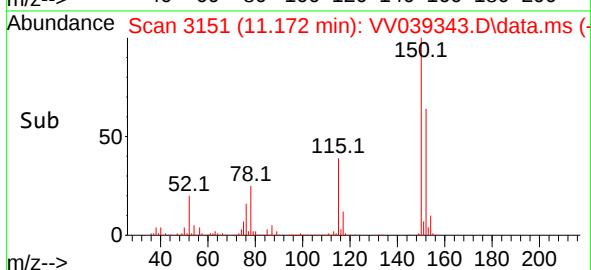
Tgt Ion:117 Resp: 1010398
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 31.8 25.8 38.6

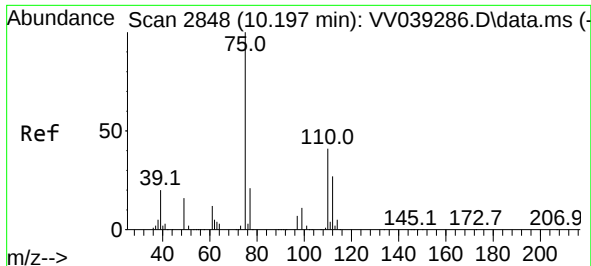


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05



Tgt Ion:152 Resp: 449521
Ion Ratio Lower Upper
152 100
115 60.5 42.3 126.8
150 157.3 0.0 348.0

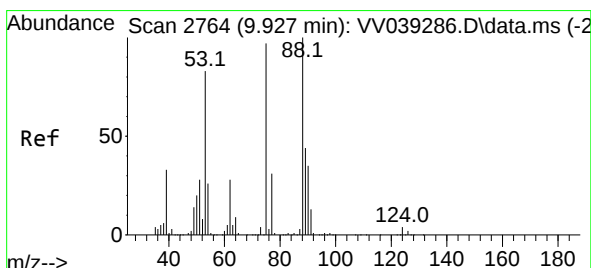
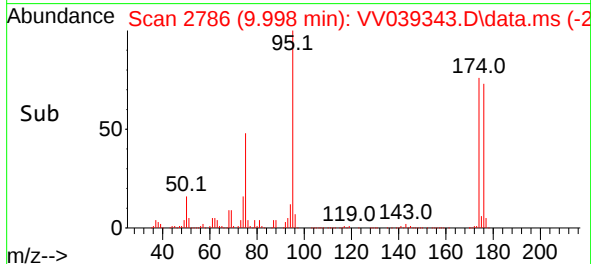
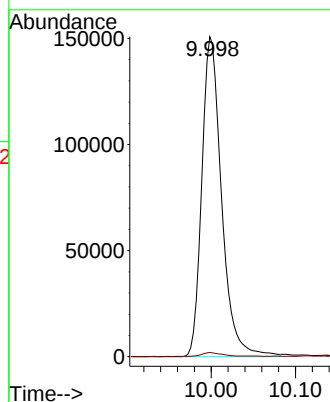
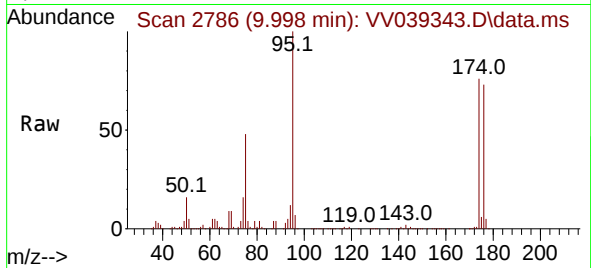




#76
1,2,3-Trichloropropane
Concen: 27.487 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.199 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 246614
Ion Ratio Lower Upper
75 100
77 1.2 12.2 36.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.419 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.071 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 75 Resp: 246614
Ion Ratio Lower Upper
75 100
53 0.4 69.9 104.9#
89 0.0 37.4 56.0#

