

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038995.D
 Acq On : 21 Aug 2025 20:45
 Operator : SY/MD
 Sample : Q2924-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:38:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

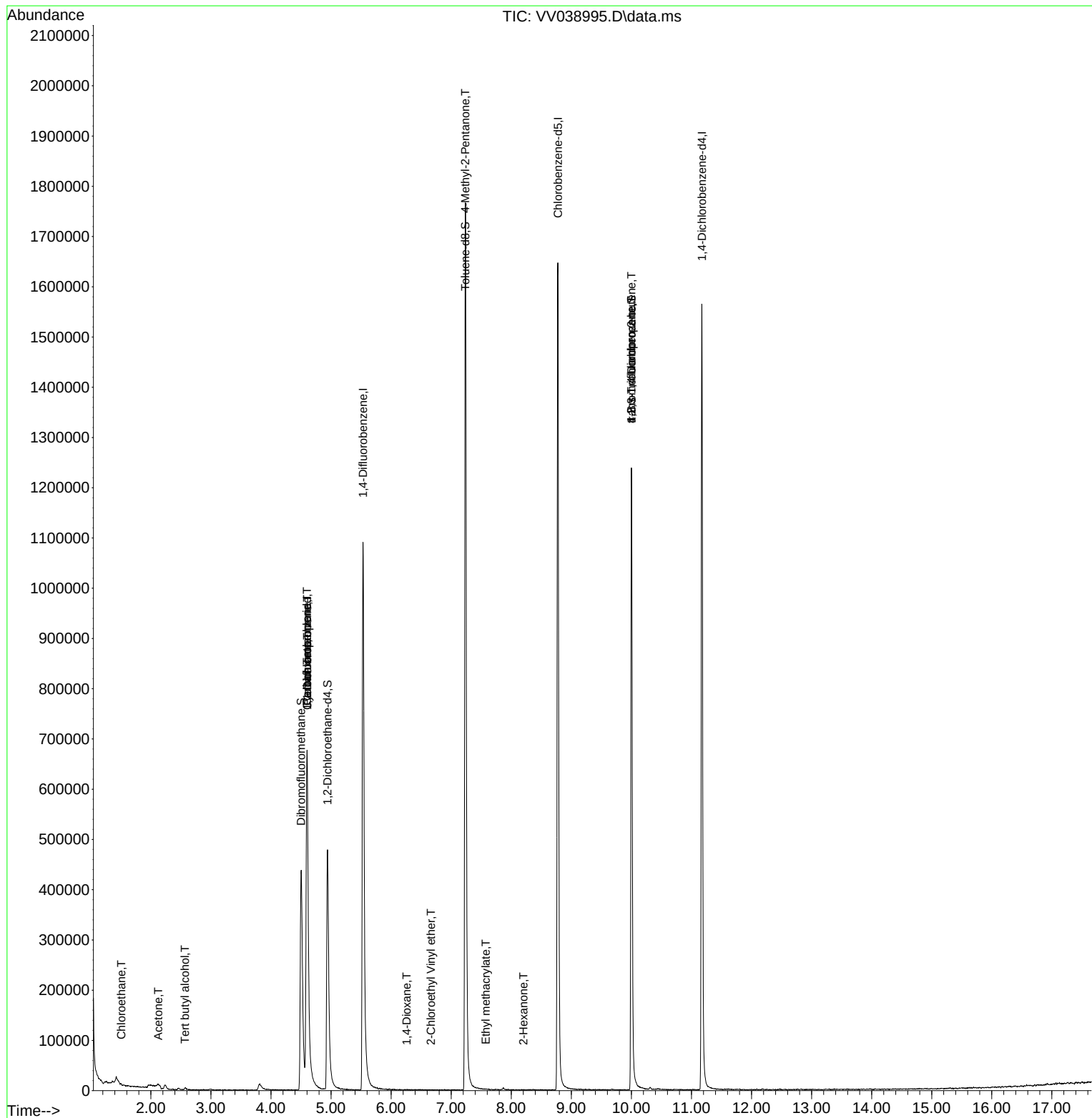
Internal Standards						
1) Pentafluorobenzene	4.600	168	587684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1058155	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	949705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	415869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	436385	52.920	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 105.840%			
35) Dibromofluoromethane	4.503	113	373543	47.072	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.140%			
50) Toluene-d8	7.236	98	1247446	45.080	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 90.160%			
62) 4-Bromofluorobenzene	10.001	95	411406	40.640	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 81.280%#			
Target Compounds						Qvalue
6) Chloroethane	1.510	64	1215	0.249	ug/l #	41
11) Tert butyl alcohol	2.568	59	579	0.519	ug/l #	82
13) Acrolein	2.008	56	19	Below Cal	#	1
16) Acetone	2.124	43	6329	1.912	ug/l	99
31) Cyclohexane	4.603	56	12882	1.115	ug/l #	3
36) 1,1-Dichloropropene	4.603	75	49679	4.821	ug/l #	48
38) Carbon Tetrachloride	4.600	117	61556	4.460	ug/l #	17
49) 1,4-Dioxane	6.259	88	24	0.208	ug/l #	1
51) 4-Methyl-2-Pentanone	7.233	43	4693	0.465	ug/l #	1
56) Ethyl methacrylate	7.574	69	73	2.320	ug/l #	62
58) 2-Chloroethyl Vinyl ether	6.664	63	70	4.996	ug/l	96
59) 2-Hexanone	8.204	43	49	10.902	ug/l	68
76) 1,2,3-Trichloropropane	10.001	75	207672	26.922	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	207672	61.810	ug/l #	14

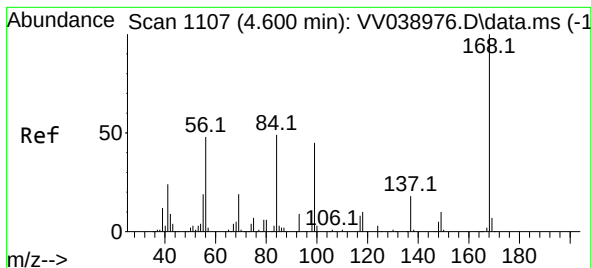
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 22 04:15:04 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: VV038995.D

Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

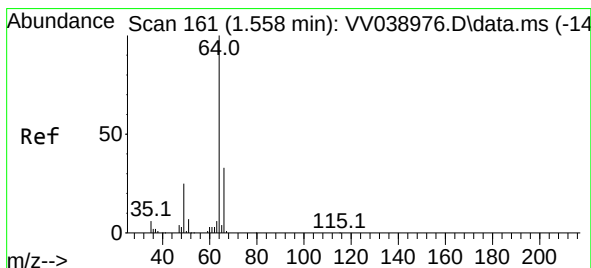
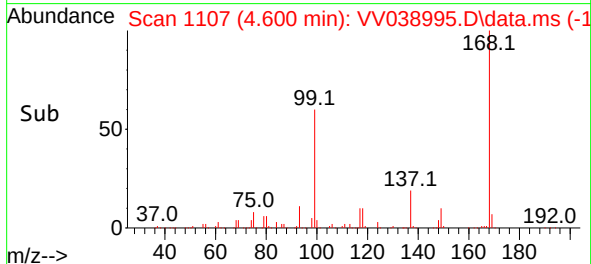
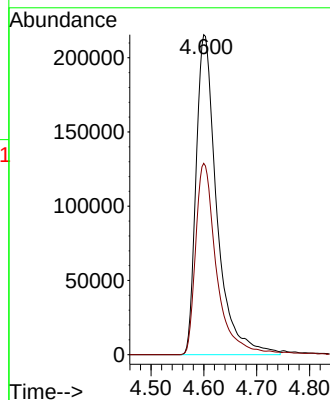
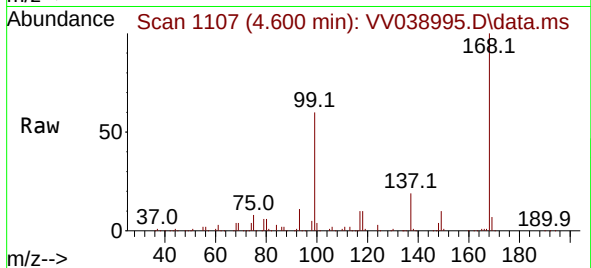
ClientSampleId :

Tgt Ion:168 Resp: 587684

Ion Ratio Lower Upper

168 100

99 59.8 47.0 70.6



#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.510 min Scan# 146

Delta R.T. -0.048 min

Lab File: VV038995.D

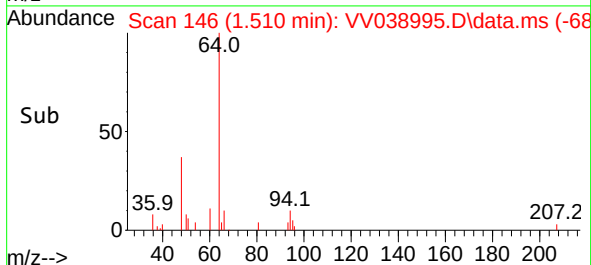
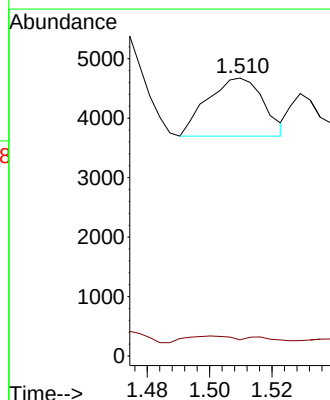
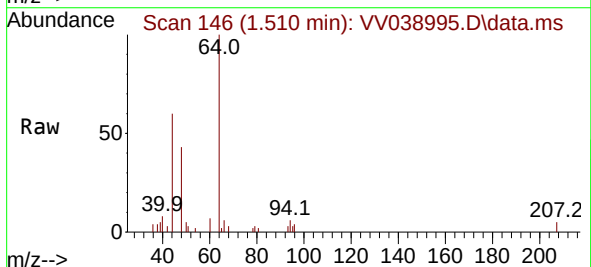
Acq: 21 Aug 2025 20:45

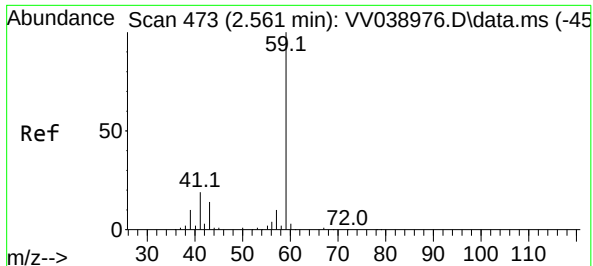
Tgt Ion: 64 Resp: 1215

Ion Ratio Lower Upper

64 100

66 0.2 26.8 40.2#





#11

Tert butyl alcohol

Concen: 0.519 ug/l

RT: 2.568 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

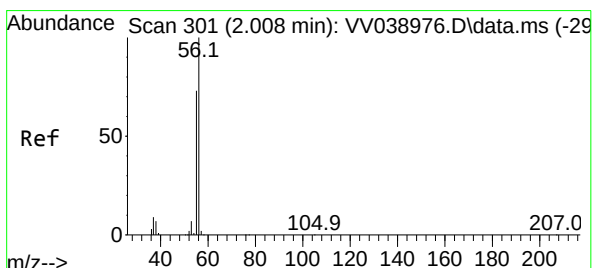
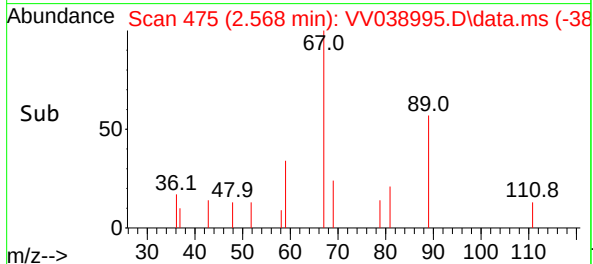
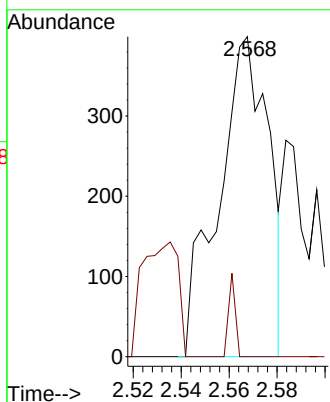
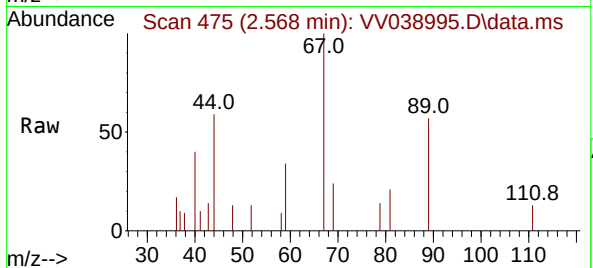
ClientSampleId :

Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

59 100

57 3.5 8.1 12.1#



#13

Acrolein

Concen: Below Cal

RT: 2.008 min Scan# 301

Delta R.T. 0.000 min

Lab File: VV038995.D

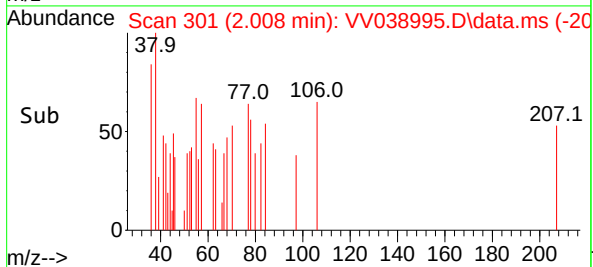
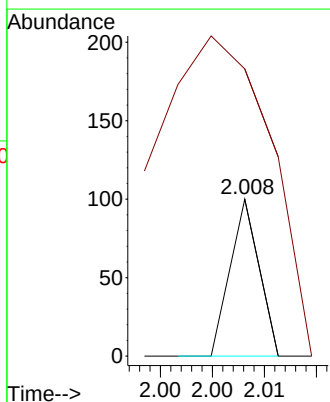
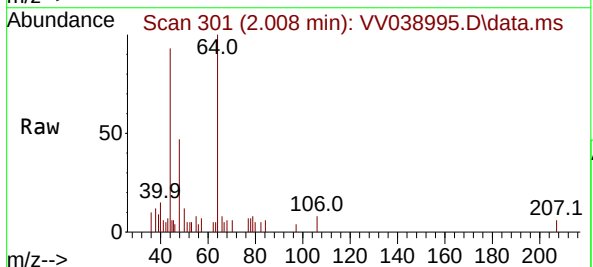
Acq: 21 Aug 2025 20:45

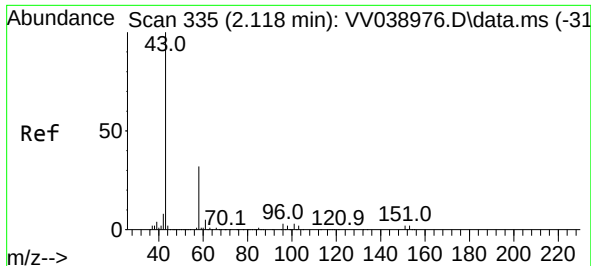
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 815.8 58.8 88.2#





#16

Acetone

Concen: 1.912 ug/l

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

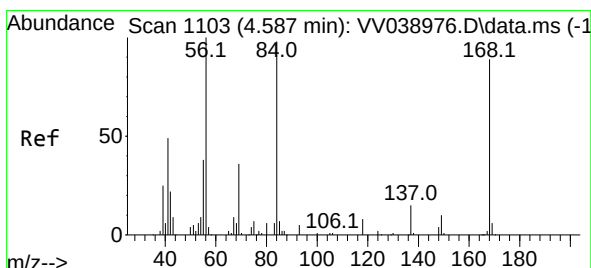
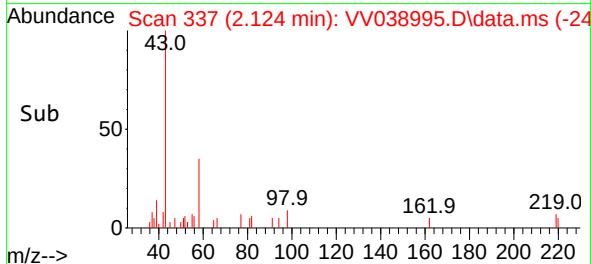
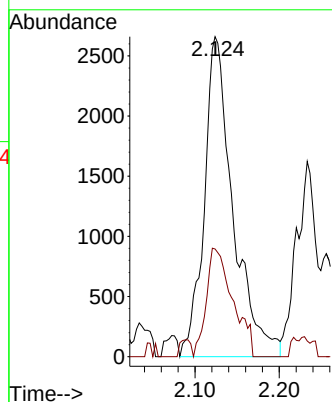
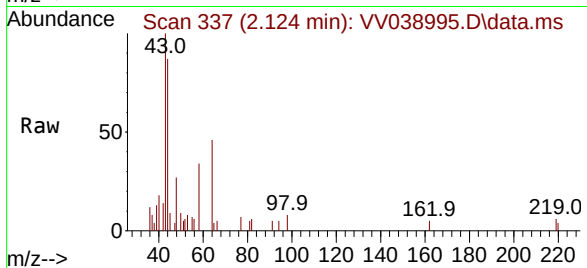
ClientSampleId :

Tgt Ion: 43 Resp: 6329

Ion Ratio Lower Upper

43 100

58 33.6 26.3 39.5



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. 0.016 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

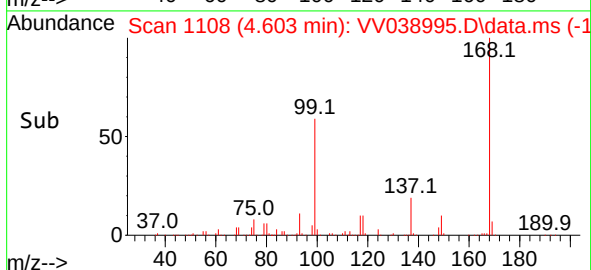
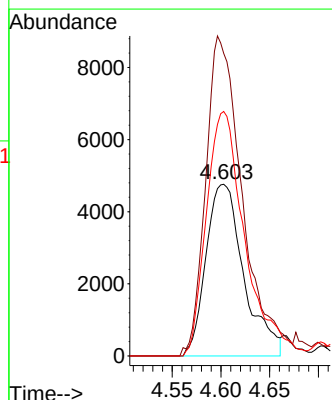
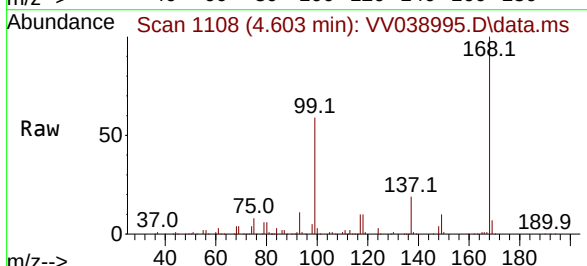
Tgt Ion: 56 Resp: 12882

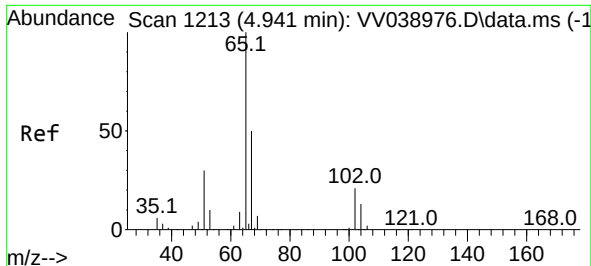
Ion Ratio Lower Upper

56 100

69 176.2 28.6 42.8#

84 142.4 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 52.920 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

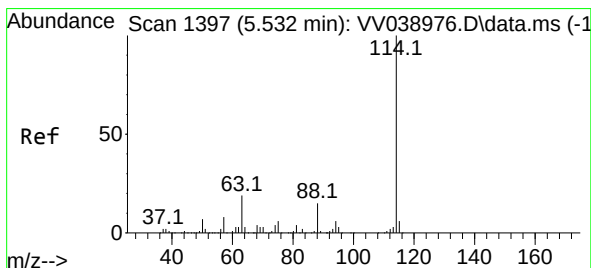
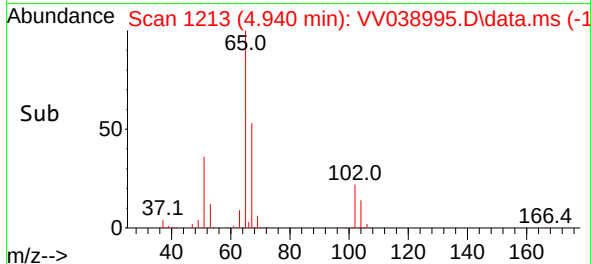
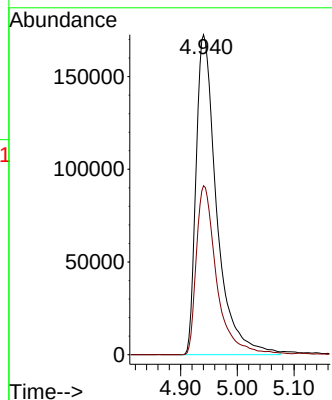
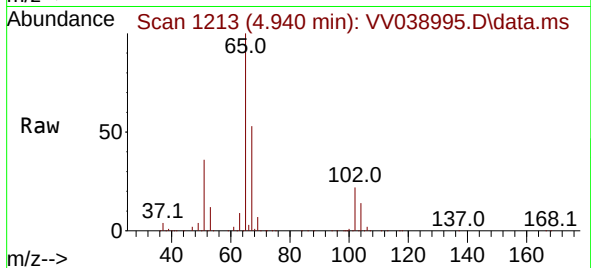
ClientSampleId :

Tgt Ion: 65 Resp: 436385

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

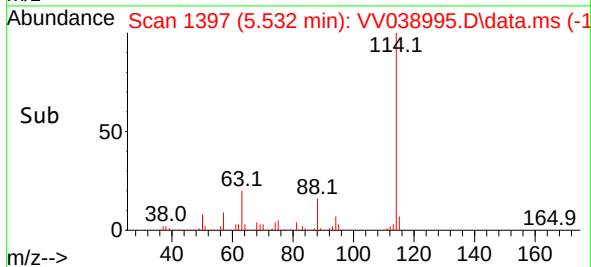
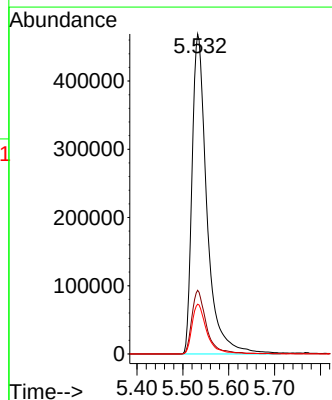
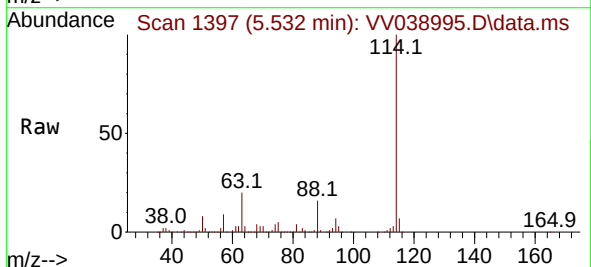
Tgt Ion: 114 Resp: 1058155

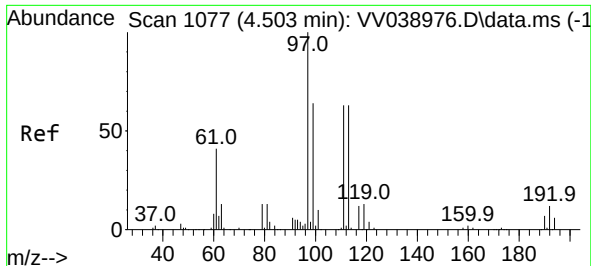
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.6 0.0 30.4

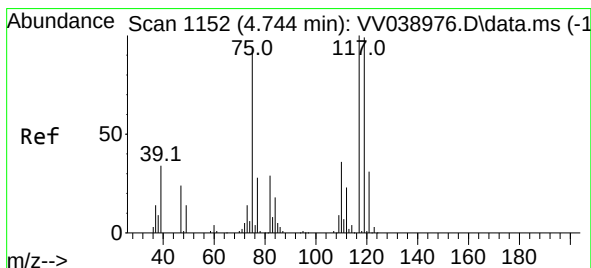
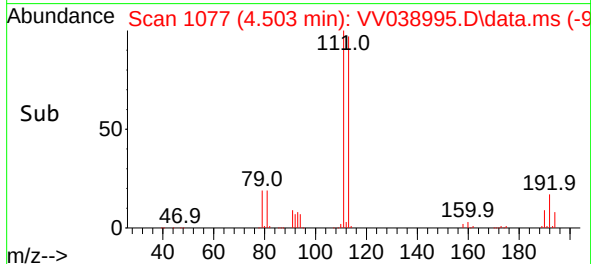
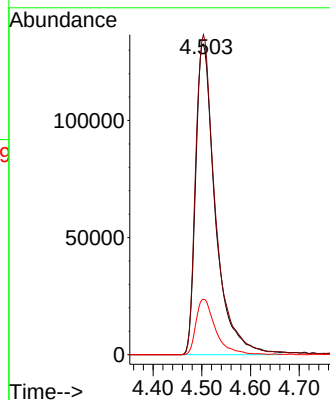
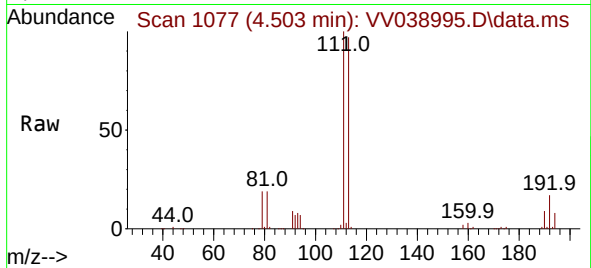




#35
Dibromofluoromethane
Concen: 47.072 ug/l
RT: 4.503 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

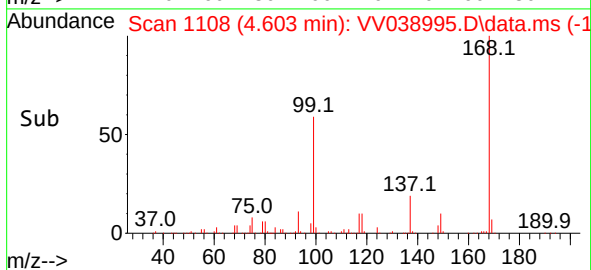
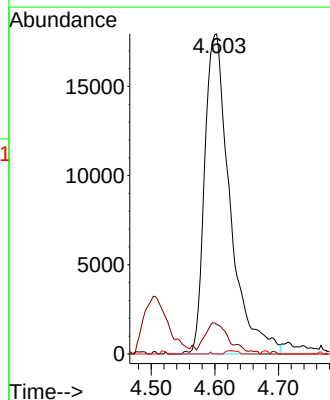
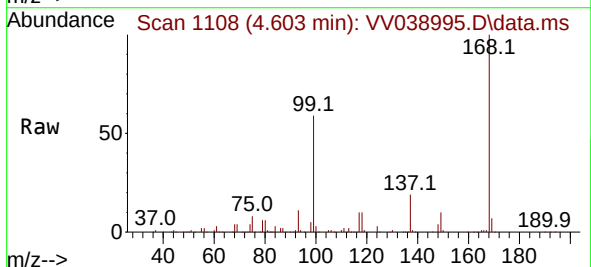
Instrument :
MSVOA_V
ClientSampleId :

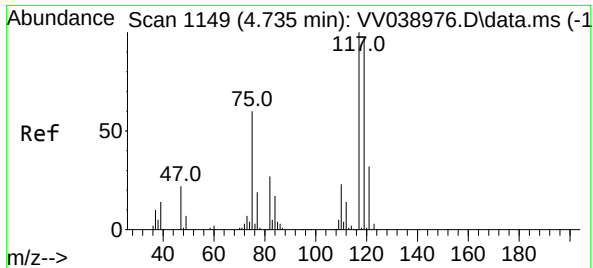
Tgt Ion:113 Resp: 373543
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 17.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. -0.142 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

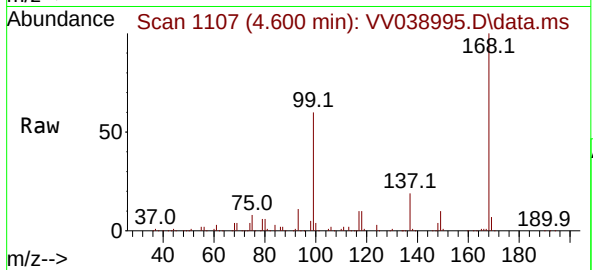
Tgt Ion: 75 Resp: 49679
Ion Ratio Lower Upper
75 100
110 9.4 19.6 58.7#
77 0.0 24.4 36.6#



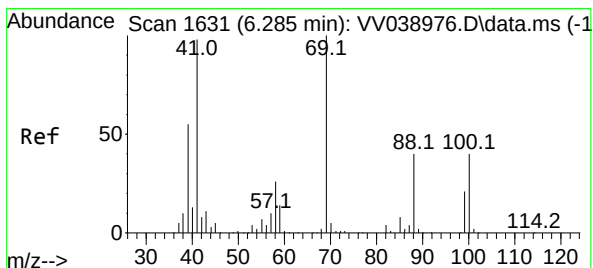
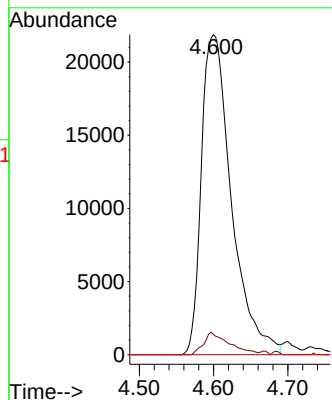
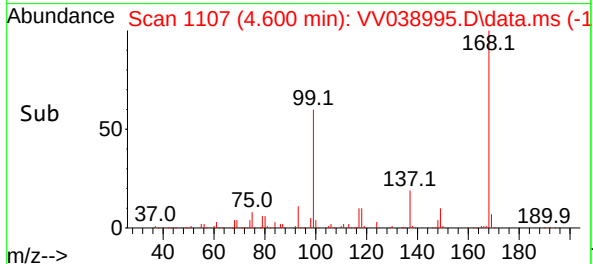


#38
Carbon Tetrachloride
Concen: 4.460 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :

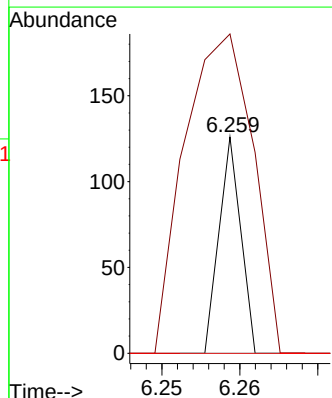
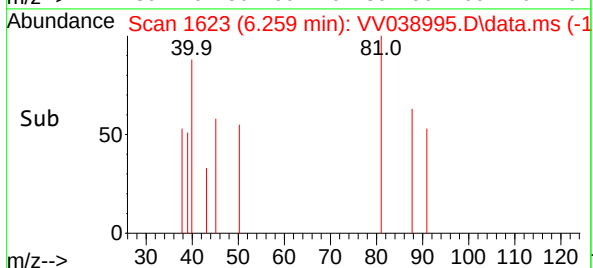
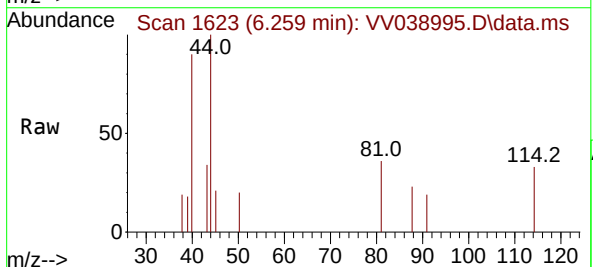


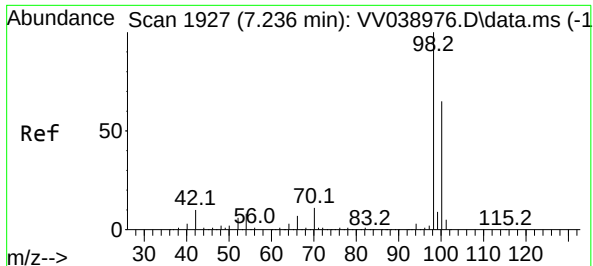
Tgt Ion:117 Resp: 61556
Ion Ratio Lower Upper
117 100
119 6.4 77.1 115.7#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 0.208 ug/l
RT: 6.259 min Scan# 1623
Delta R.T. -0.026 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 470.8 24.6 36.8#
58 0.0 51.8 77.6#

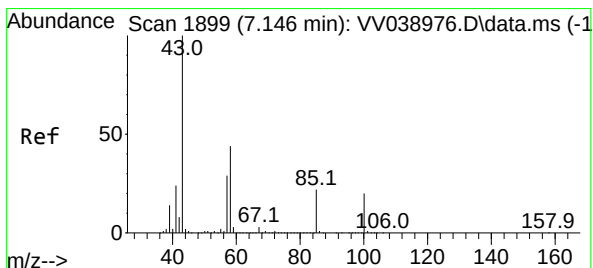
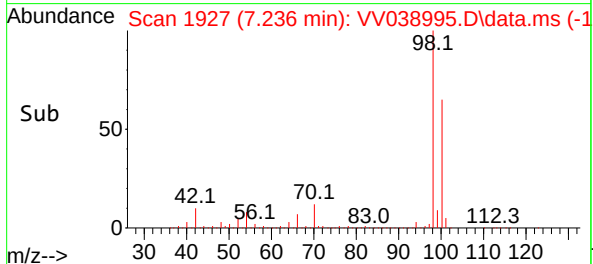
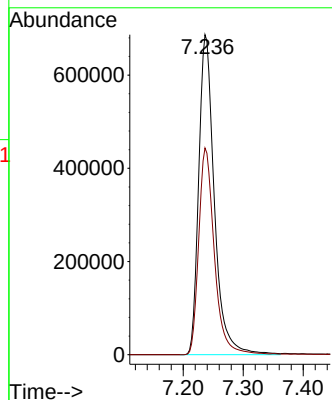
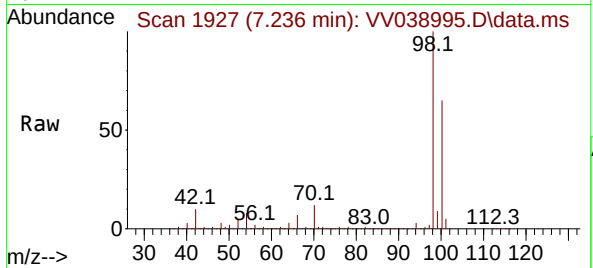




#50
Toluene-d8
Concen: 45.080 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

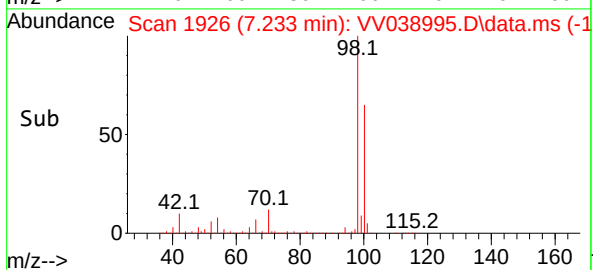
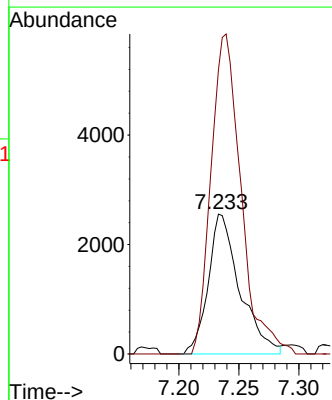
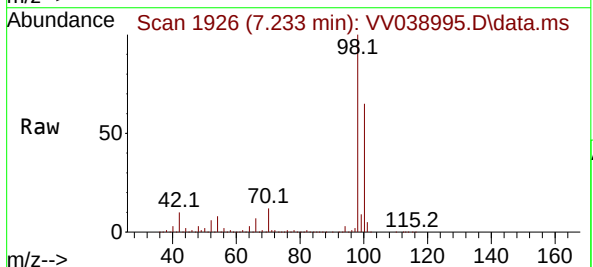
Instrument :
MSVOA_V
ClientSampleId :

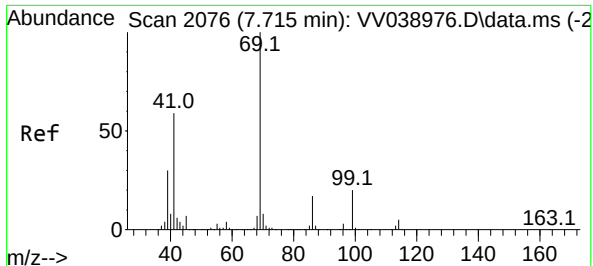
Tgt Ion: 98 Resp: 1247446
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.465 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.087 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
58 216.8 34.6 51.8#





#56

Ethyl methacrylate

Concen: 2.320 ug/l

RT: 7.574 min Scan# 2076

Delta R.T. -0.141 min

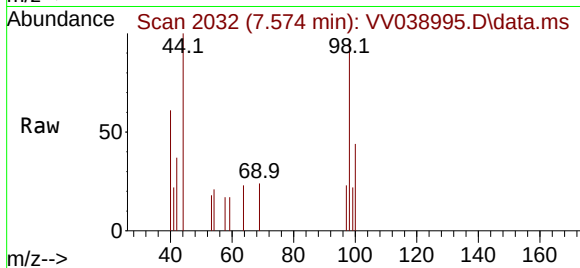
Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

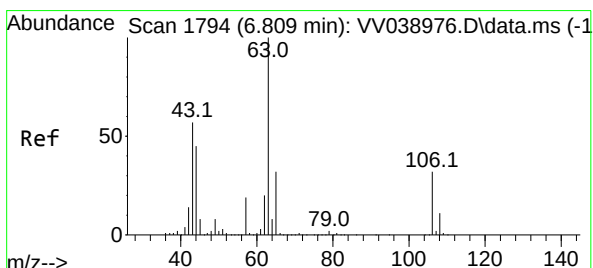
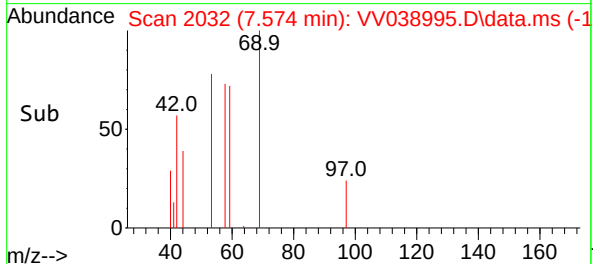
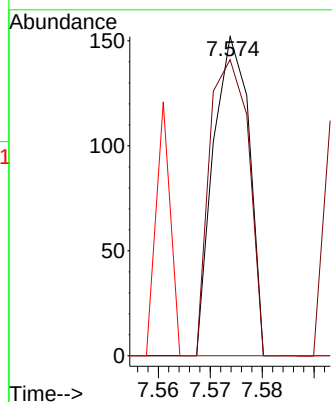
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
69	100		
41	101.4	47.5	71.3#
39	31.5	24.2	36.2



#58

2-Chloroethyl Vinyl ether

Concen: 4.996 ug/l

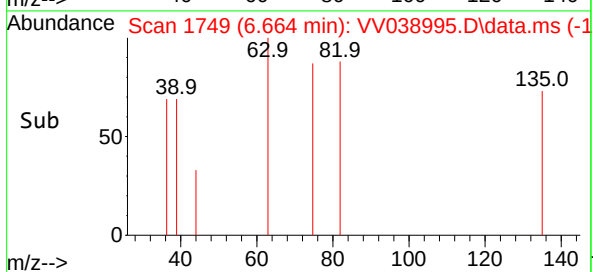
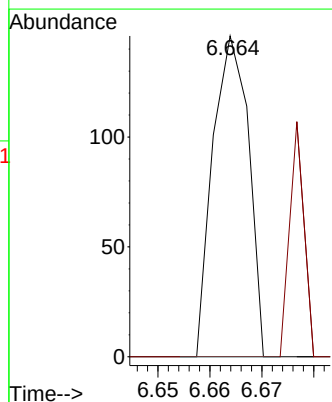
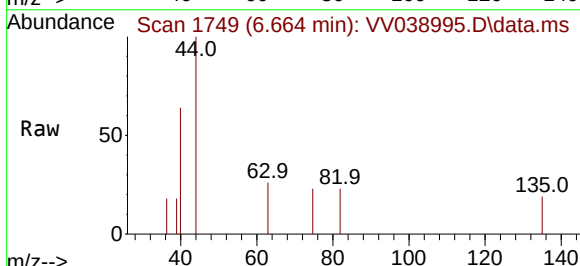
RT: 6.664 min Scan# 1749

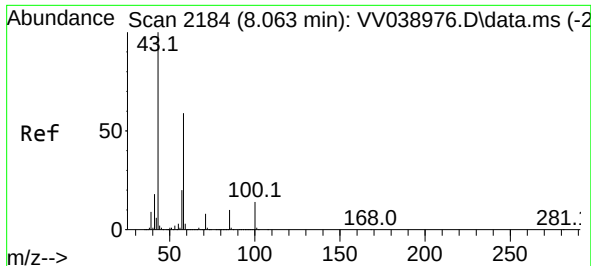
Delta R.T. -0.145 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	25.6	38.4





#59

2-Hexanone

Concen: 10.902 ug/l

RT: 8.204 min Scan# 21

Delta R.T. 0.141 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

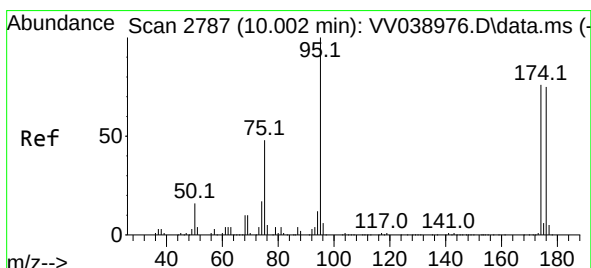
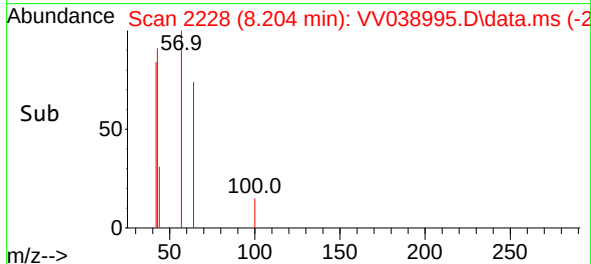
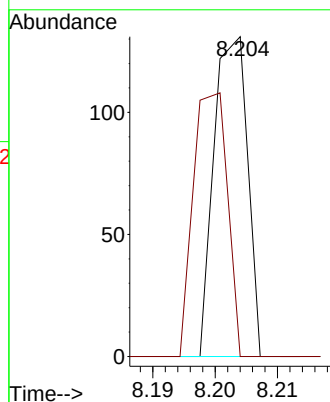
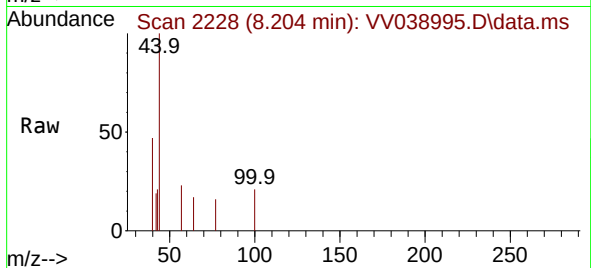
ClientSampleId :

Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

43 100

58 83.7 29.8 89.4



#62

4-Bromofluorobenzene

Concen: 40.640 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.000 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

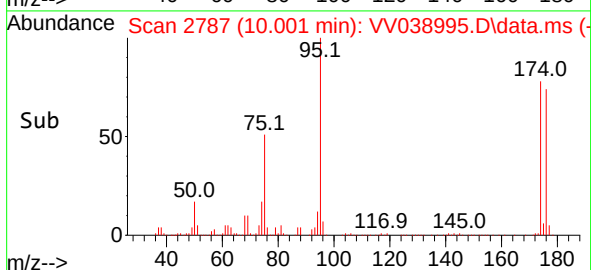
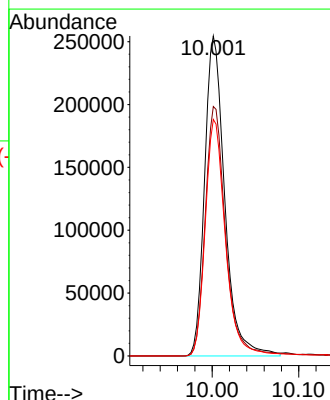
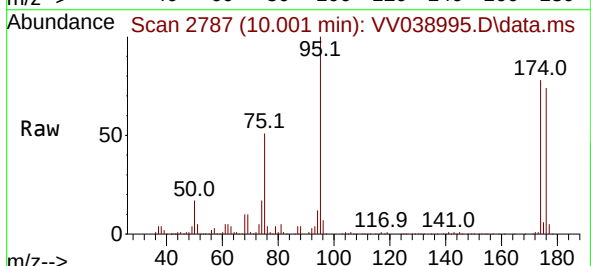
Tgt Ion: 95 Resp: 411406

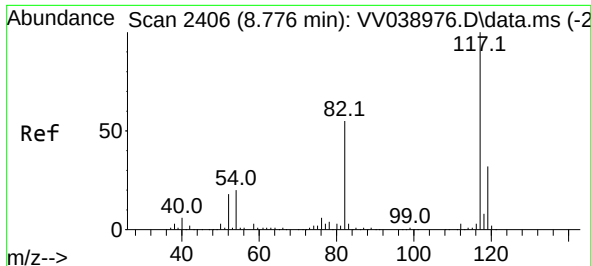
Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.4

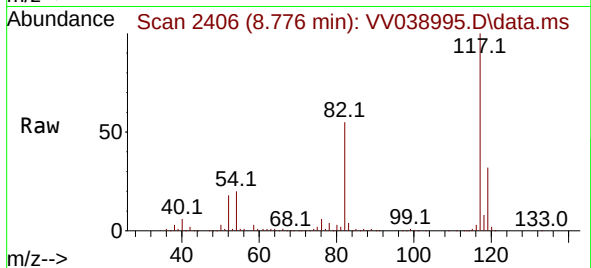
176 74.8 0.0 148.6



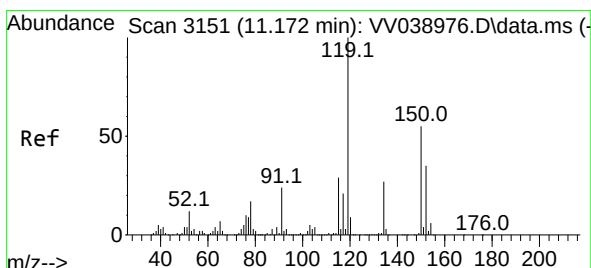
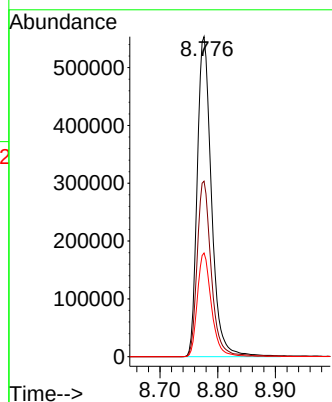
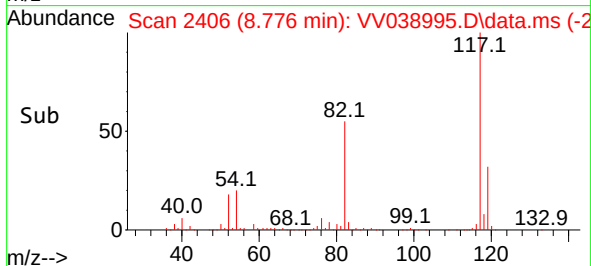


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

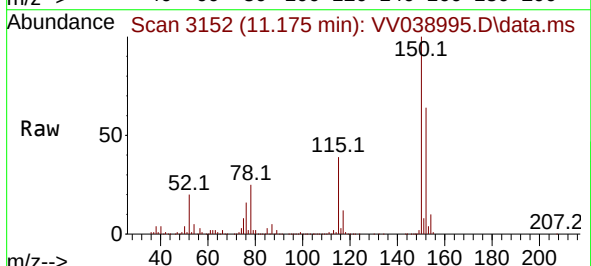
Instrument :
MSVOA_V
ClientSampleId :



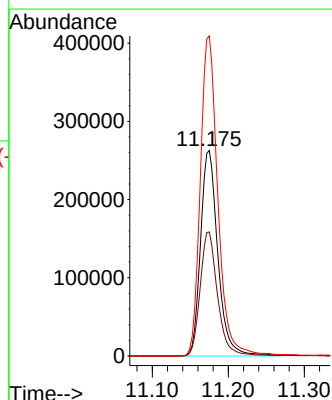
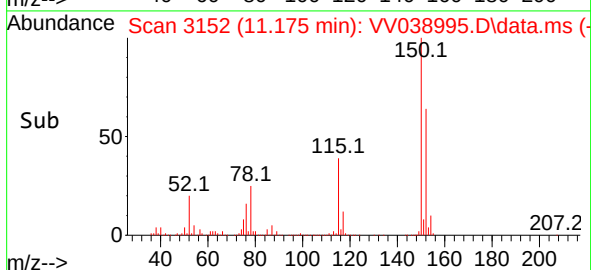
Tgt Ion:117 Resp: 949705
Ion Ratio Lower Upper
117 100
82 54.9 44.4 66.6
119 32.4 26.0 39.0

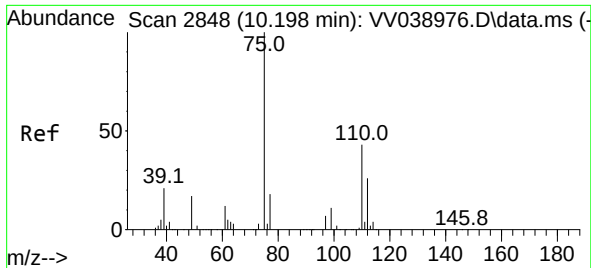


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45



Tgt Ion:152 Resp: 415869
Ion Ratio Lower Upper
152 100
115 60.6 42.5 127.5
150 157.9 0.0 344.8

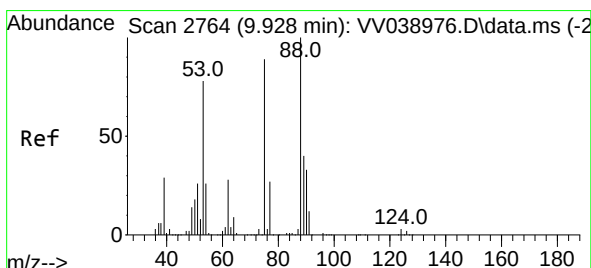
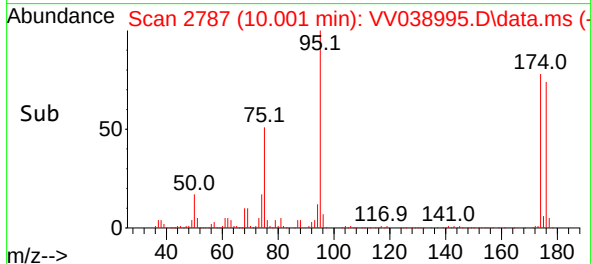
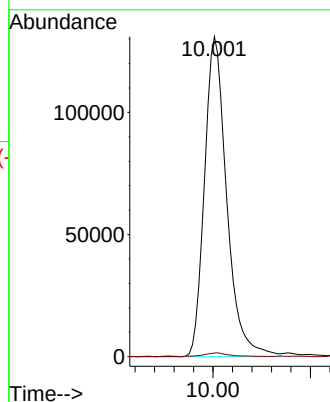
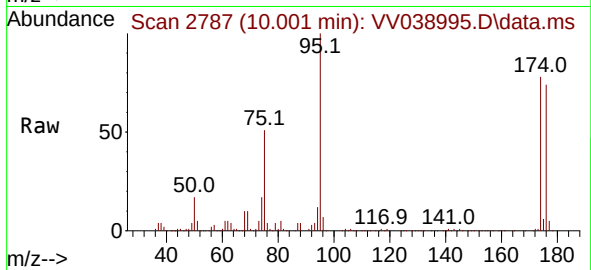




#76
1,2,3-Trichloropropane
Concen: 26.922 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.196 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 207672
Ion Ratio Lower Upper
75 100
77 1.5 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.810 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 75 Resp: 207672
Ion Ratio Lower Upper
75 100
53 0.3 70.3 105.5#
89 0.0 37.9 56.9#

