

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039047.D
 Acq On : 11 Sep 2025 15:31
 Operator : SY/MD
 Sample : Q2899-01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 02:14:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	823981	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	815806	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	351121	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	354547	46.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.680%
7) Chloroethane-d5	1.545	69	293380	49.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.069	65	161513	49.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
21) 2-Butanone-d5	3.789	46	340417	114.604	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.600%
24) Chloroform-d	4.252	84	614785	49.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
26) 1,2-Dichloroethane-d4	4.940	65	384096	52.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.500%
32) Benzene-d6	4.960	84	1204895	50.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.900%
36) 1,2-Dichloropropane-d6	5.985	67	387244	50.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.080%
41) Toluene-d8	7.236	98	1046331	47.390	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
43) trans-1,3-Dichloroprop...	7.548	79	178513	48.812	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.620%
47) 2-Hexanone-d5	8.014	63	238966	108.481	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.480%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	552294	50.120	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.240%
66) 1,2-Dichlorobenzene-d4	11.548	152	365263	55.389	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	11672	1.864	ug/L	98
3) Chloromethane	1.227	50	13657	1.945	ug/L	94
5) Vinyl chloride	1.484	62	154	0.019	ug/L	84
6) Bromomethane	1.497	94	9437	2.098	ug/L	100
8) Chloroethane	1.561	64	9412	1.833	ug/L	95
9) Trichlorofluoromethane	1.725	101	21155	1.858	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	16330	2.287	ug/L #	85
12) 1,1-Dichloroethene	2.082	96	15632	2.466	ug/L #	1
13) Acetone	2.124	43	19507	3.567	ug/L	95
14) Carbon disulfide	2.252	76	37530	1.809	ug/L	95
15) Methyl Acetate	2.397	43	11491	1.616	ug/L #	84
16) Methylene chloride	2.461	84	14886	2.133	ug/L	94
17) trans-1,2-Dichloroethene	2.715	96	10401	1.649	ug/L	92
18) Methyl tert-butyl Ether	2.715	73	30914	1.710	ug/L #	81
19) 1,1-Dichloroethane	3.124	63	21655	1.845	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	6242	0.926	ug/L	95
22) 2-Butanone	3.912	43	1432	0.310	ug/L	82
23) Bromochloromethane	4.175	128	7194	1.950	ug/L	92
25) Chloroform	4.281	83	30327	2.421	ug/L	94

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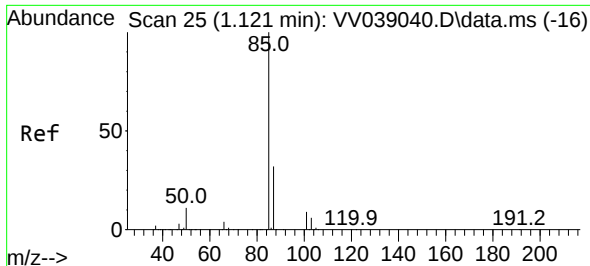
Instrument :
 MSVOA_V
 ClientSampleId :

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

27) 1,2-Dichloroethane	5.056	62	5755	0.631	ug/L	100
29) Cyclohexane	4.587	56	14667	1.447	ug/L #	94
30) 1,1,1-Trichloroethane	4.526	97	20013	1.820	ug/L #	89
31) Carbon tetrachloride	4.744	117	17012	1.739	ug/L	99
33) Benzene	5.018	78	47991	1.887	ug/L	100
34) Trichloroethene	5.844	95	13227	1.919	ug/L	89
35) Methylcyclohexane	6.050	83	21193	1.921	ug/L	89
37) 1,2-Dichloropropane	6.104	63	13229	1.944	ug/L #	92
38) Bromodichloromethane	6.442	83	17323	1.808	ug/L #	96
39) cis-1,3-Dichloropropene	6.966	75	16702	1.539	ug/L	91
40) 4-Methyl-2-pentanone	7.162	43	24289	2.812	ug/L	99
42) Toluene	7.320	91	47581	1.698	ug/L	91
44) trans-1,3-Dichloropropene	7.590	75	17245	1.649	ug/L	92
45) 1,1,2-Trichloroethane	7.773	97	11888	1.650	ug/L	98
46) Tetrachloroethene	7.908	164	9537	1.784	ug/L	97
48) 2-Hexanone	8.082	43	24254	4.026	ug/L #	83
49) Dibromochloromethane	8.172	129	14066	1.847	ug/L	99
50) 1,2-Dibromoethane	8.288	107	14346	1.907	ug/L	96
51) Chlorobenzene	8.812	112	34242	1.881	ug/L	97
52) Ethylbenzene	8.947	91	43501	1.475	ug/L	100
53) m,p-Xylene	9.075	106	15452	1.370	ug/L	93
54) o-Xylene	9.474	106	13946	1.335	ug/L	93
55) Styrene	9.503	104	21050	1.141	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.169	83	23619	2.033	ug/L #	96
59) Bromoform	9.667	173	10747	2.271	ug/L #	92
60) Isopropylbenzene	9.860	105	38453	1.591	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	16401	2.223	ug/L	95
62) 1,3,5-Trimethylbenzene	10.471	105	29581	1.565	ug/L	95
63) 1,2,4-Trimethylbenzene	10.847	105	27950	1.492	ug/L	96
64) 1,3-Dichlorobenzene	11.117	146	20809	1.809	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	23872	1.938	ug/L	94
67) 1,2-Dichlorobenzene	11.567	146	26397	2.294	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	4756	2.296	ug/L	90
69) 1,3,5-Trichlorobenzene	12.577	180	15192	2.046	ug/L	94
70) 1,2,4-trichlorobenzene	13.197	180	10690	1.656	ug/L	95
71) Naphthalene	13.435	128	30116	1.395	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	10823	1.614	ug/L	100

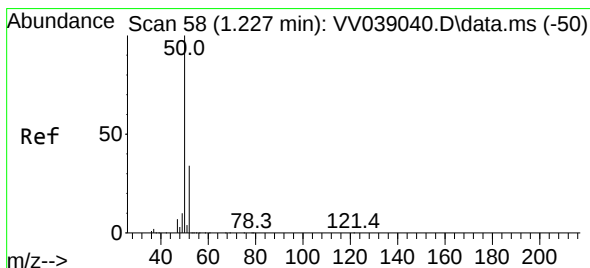
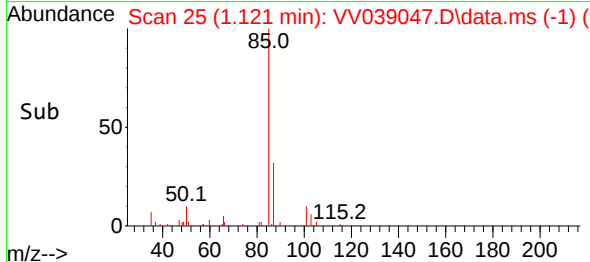
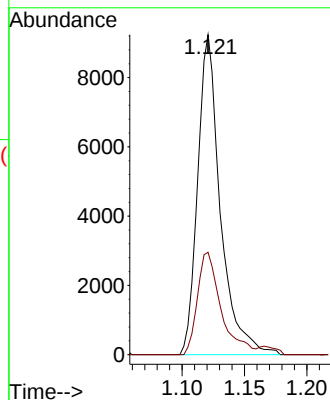
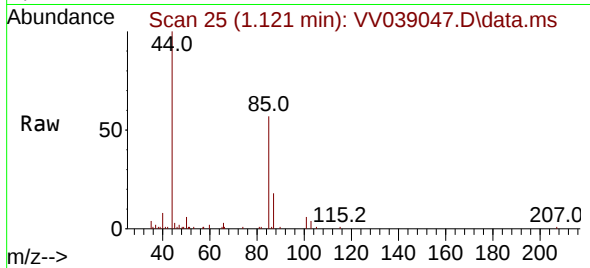
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 1.864 ug/L
 RT: 1.121 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

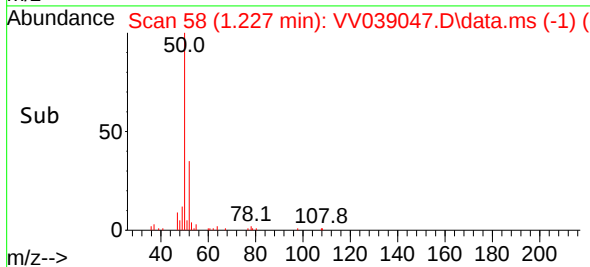
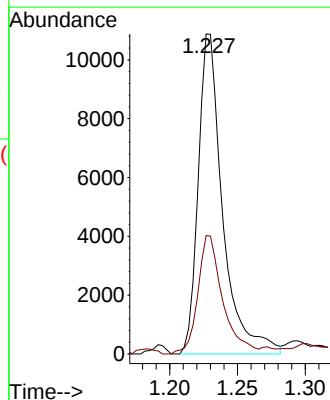
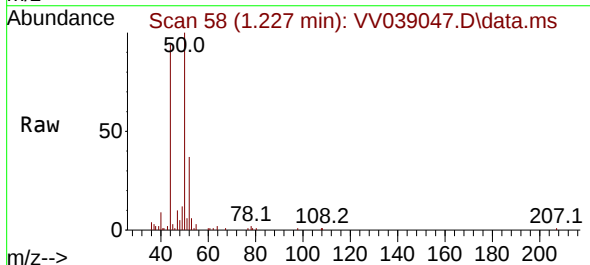
Instrument :
 MSVOA_V
 ClientSampleId :

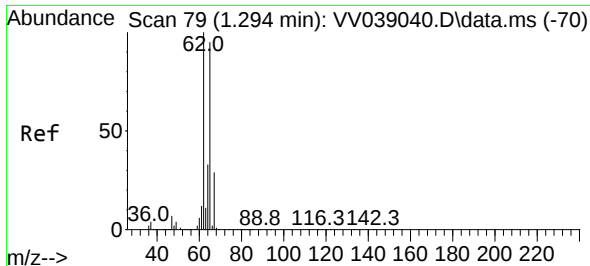
Tgt Ion: 85 Resp: 11672
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.8 38.8



#3
 Chloromethane
 Concen: 1.945 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

Tgt Ion: 50 Resp: 13657
 Ion Ratio Lower Upper
 50 100
 52 37.0 23.6 43.8

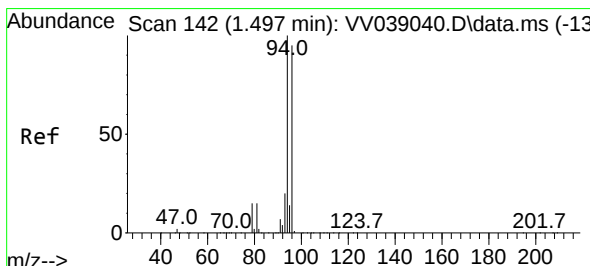
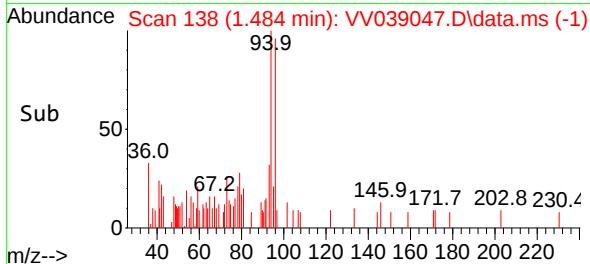
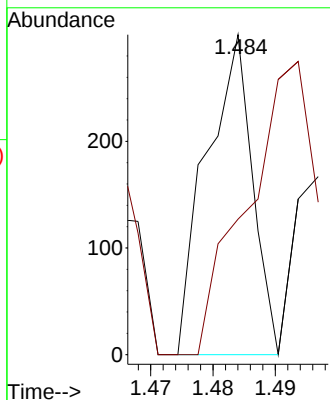
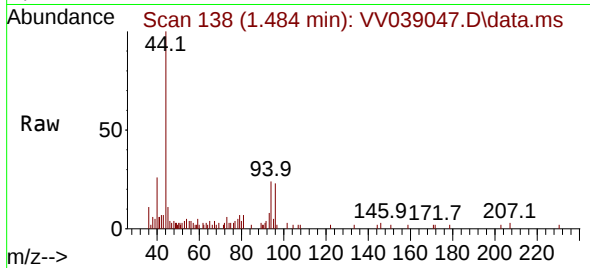




#5
 Vinyl chloride
 Concen: 0.019 ug/L
 RT: 1.484 min Scan# 11
 Delta R.T. 0.190 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

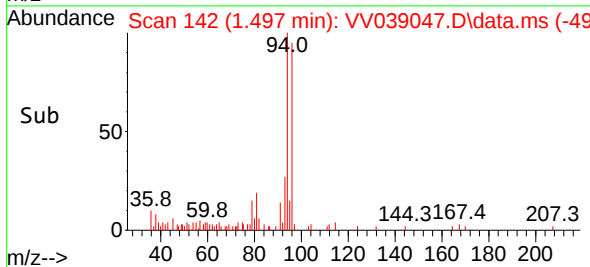
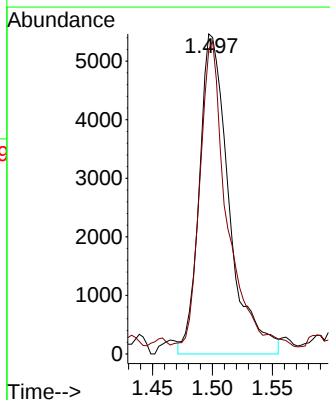
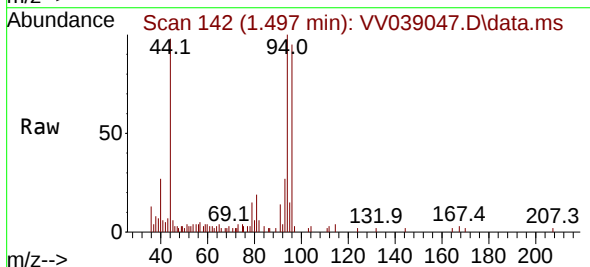
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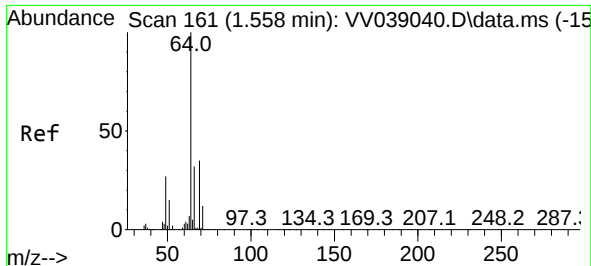
Tgt Ion: 62 Resp: 154
 Ion Ratio Lower Upper
 62 100
 64 42.3 23.4 43.4



#6
 Bromomethane
 Concen: 2.098 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

Tgt Ion: 94 Resp: 9437
 Ion Ratio Lower Upper
 94 100
 96 95.1 66.3 123.1

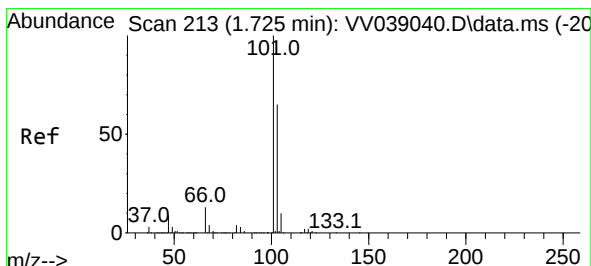
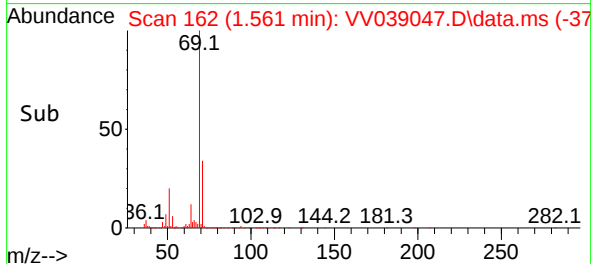
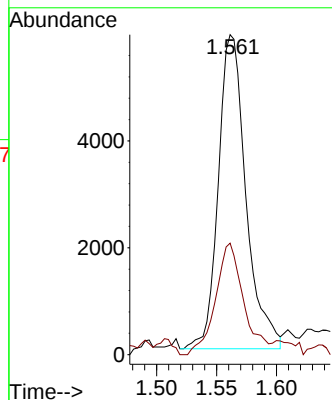
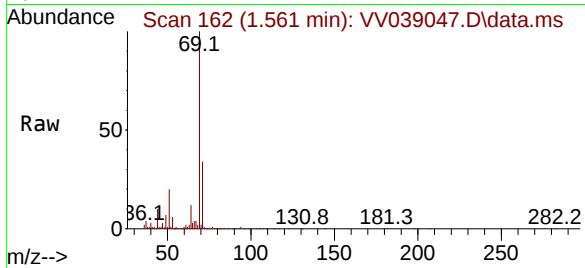




#8
Chloroethane
Concen: 1.833 ug/L
RT: 1.561 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

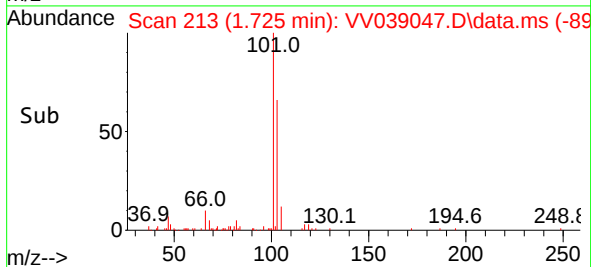
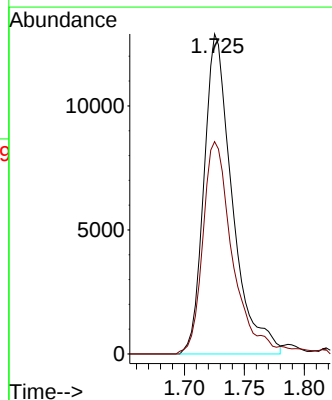
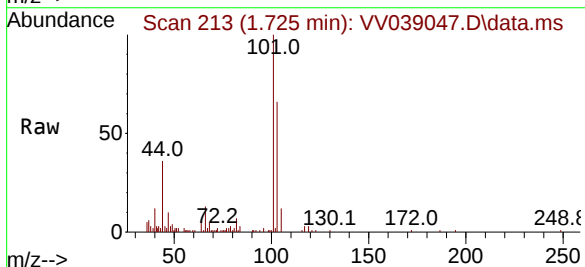
Instrument :
MSVOA_V
ClientSampleId :

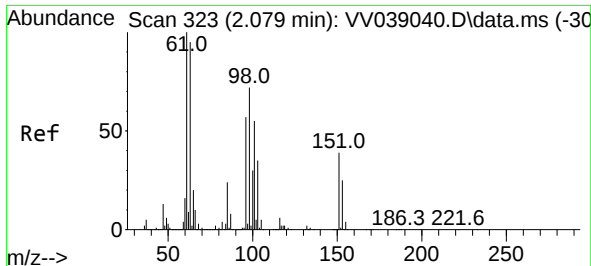
Tgt Ion: 64 Resp: 9412
Ion Ratio Lower Upper
64 100
66 34.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 1.858 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion:101 Resp: 21155
Ion Ratio Lower Upper
101 100
103 66.5 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.287 ug/L

RT: 2.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

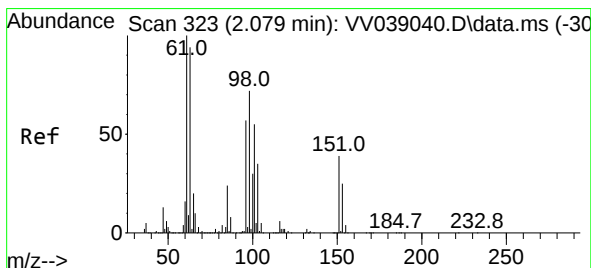
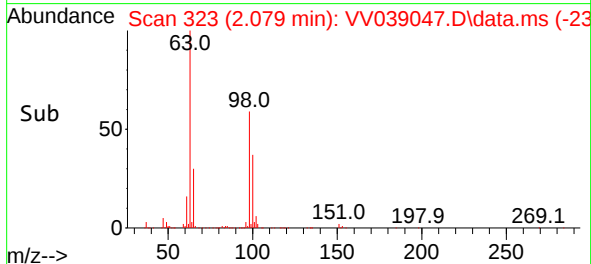
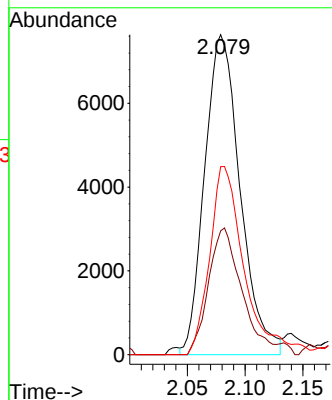
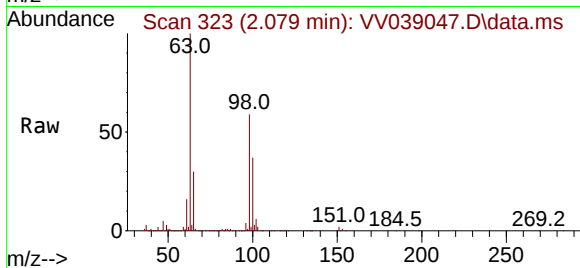
Tgt Ion:101 Resp: 16330

Ion Ratio Lower Upper

101 100

85 37.1 34.7 52.1

151 54.0 54.6 81.8#



#12

1,1-Dichloroethene

Concen: 2.466 ug/L

RT: 2.082 min Scan# 324

Delta R.T. 0.003 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

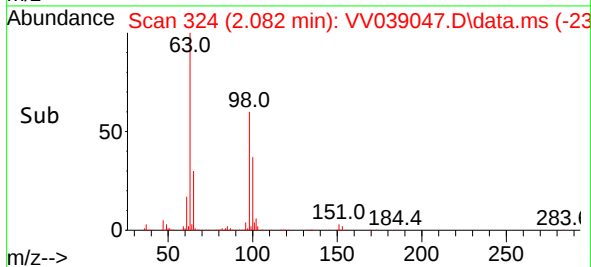
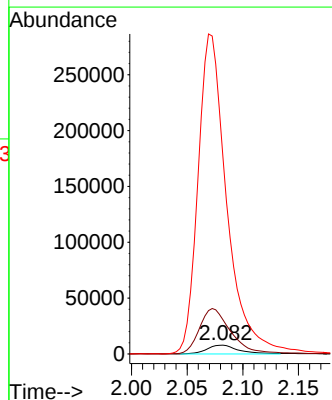
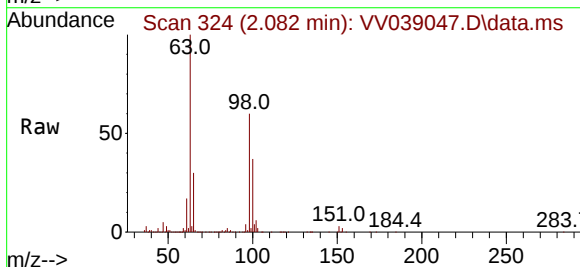
Tgt Ion: 96 Resp: 15632

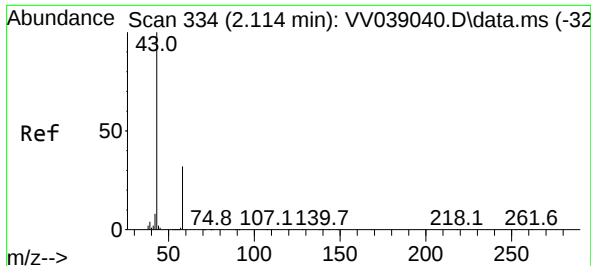
Ion Ratio Lower Upper

96 100

61 390.5 123.3 229.1#

63 2248.0 116.6 216.6#





#13

Acetone

Concen: 3.567 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

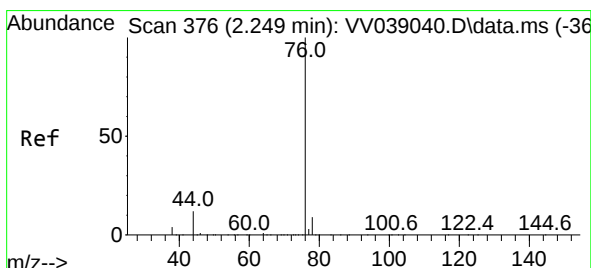
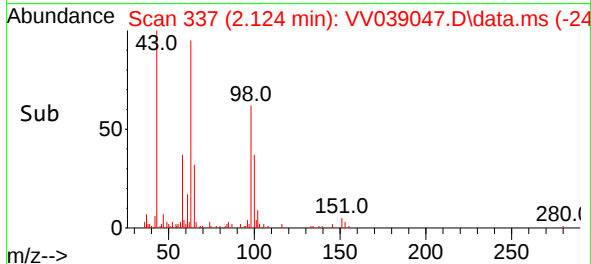
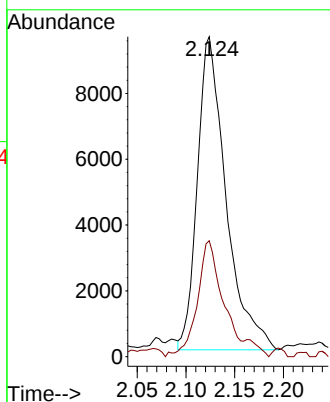
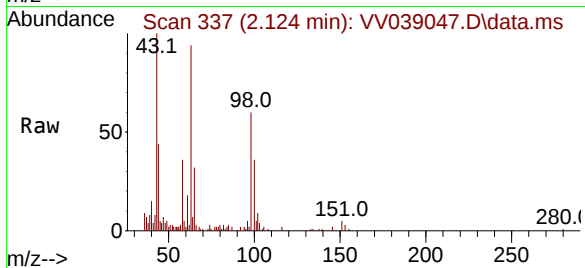
ClientSampleId :

Tgt Ion: 43 Resp: 19507

Ion Ratio Lower Upper

43 100

58 30.0 0.0 65.8



#14

Carbon disulfide

Concen: 1.809 ug/L

RT: 2.252 min Scan# 377

Delta R.T. 0.003 min

Lab File: VV039047.D

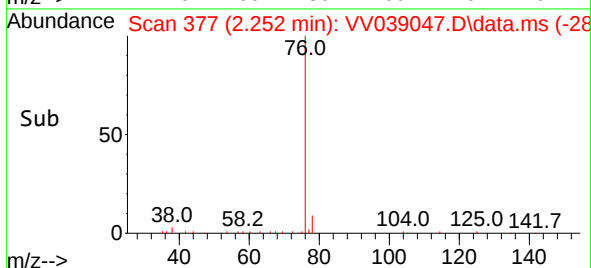
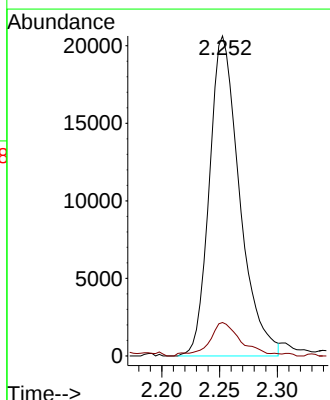
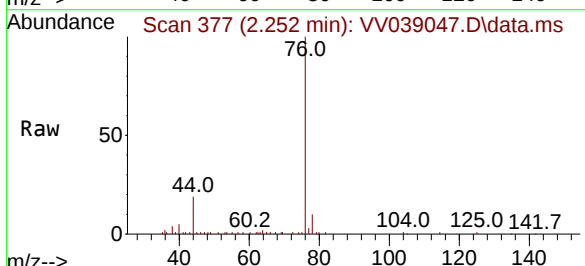
Acq: 11 Sep 2025 15:31

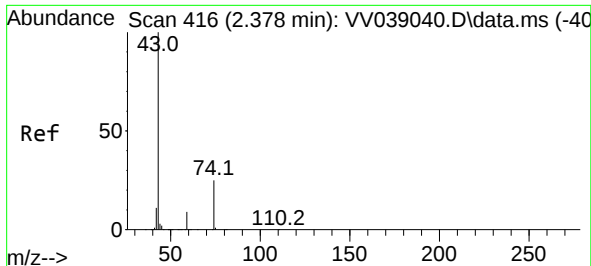
Tgt Ion: 76 Resp: 37530

Ion Ratio Lower Upper

76 100

78 10.5 7.0 10.6

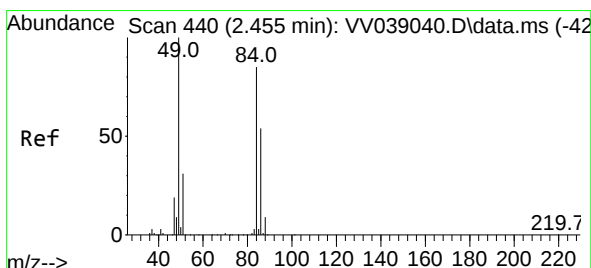
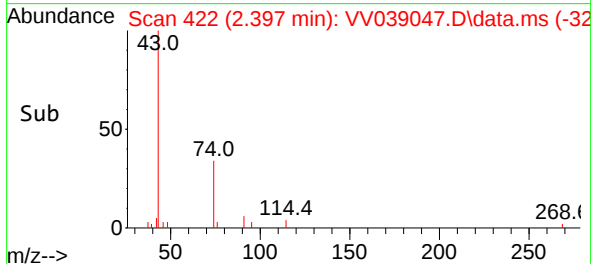
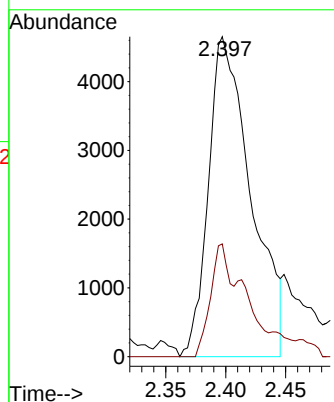
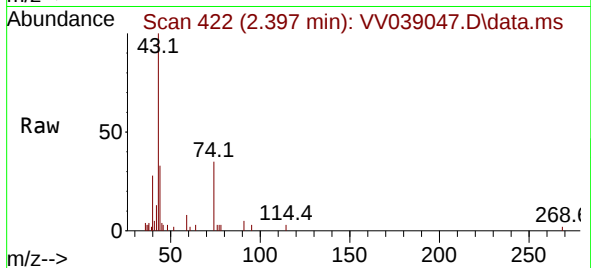




#15
Methyl Acetate
Concen: 1.616 ug/L
RT: 2.397 min Scan# 416
Delta R.T. 0.019 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

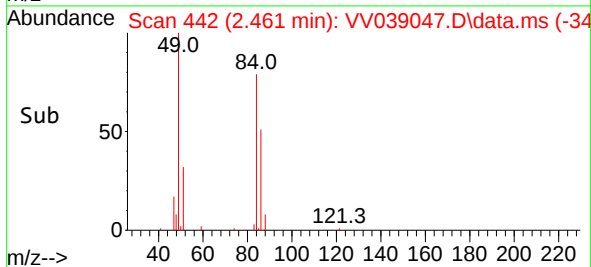
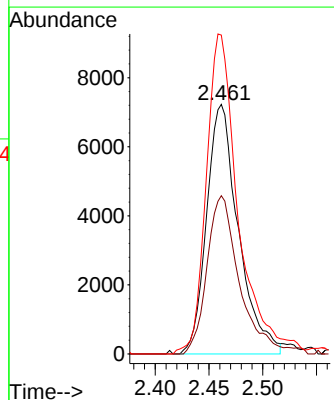
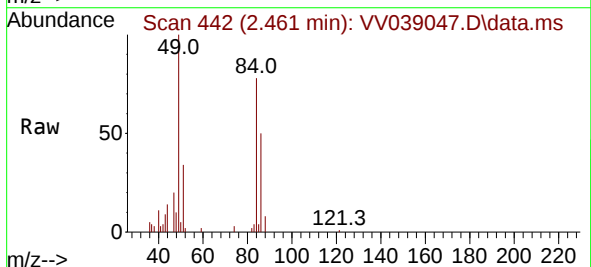
Instrument :
MSVOA_V
ClientSampleId :

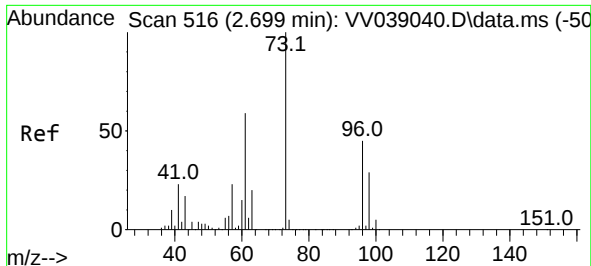
Tgt Ion: 43 Resp: 11491
Ion Ratio Lower Upper
43 100
74 16.7 19.6 29.4#



#16
Methylene chloride
Concen: 2.133 ug/L
RT: 2.461 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion: 84 Resp: 14886
Ion Ratio Lower Upper
84 100
86 63.4 44.7 83.1
49 127.8 82.0 152.4

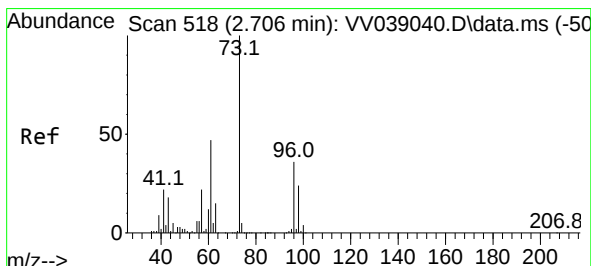
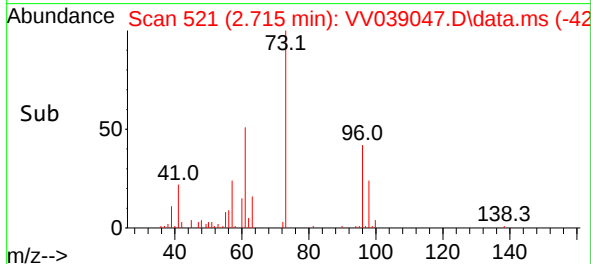
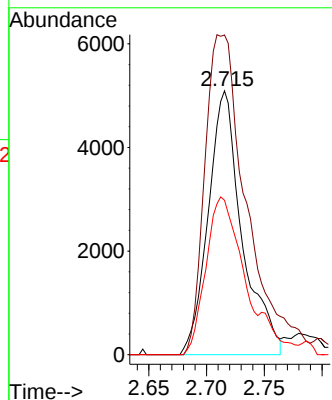
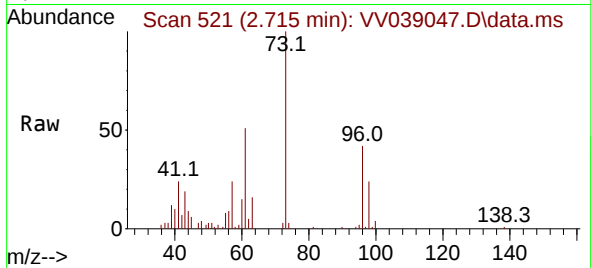




#17
trans-1,2-Dichloroethene
Concen: 1.649 ug/L
RT: 2.715 min Scan# 516
Delta R.T. 0.016 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

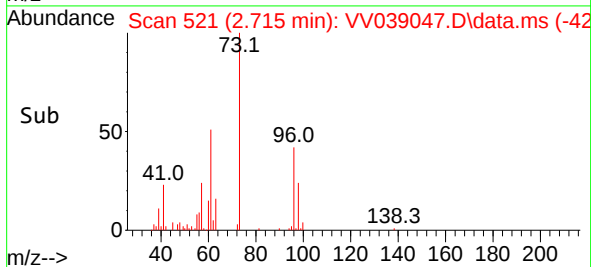
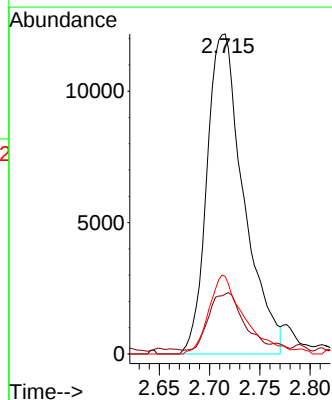
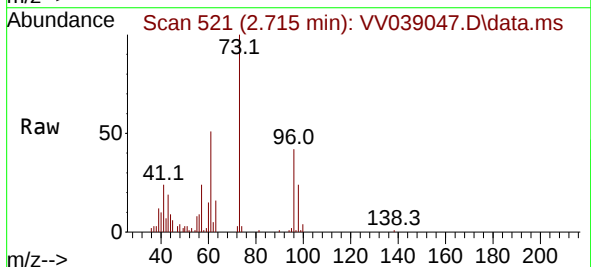
Instrument :
MSVOA_V
ClientSampleId :

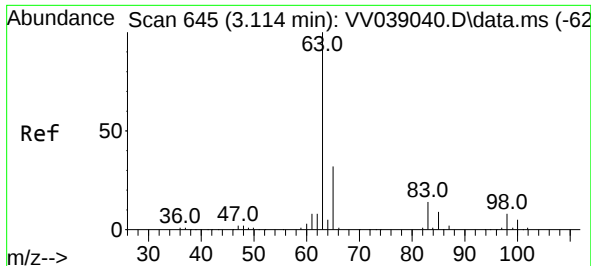
Tgt Ion: 96 Resp: 10401
Ion Ratio Lower Upper
96 100
61 121.2 91.3 169.5
98 58.6 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 1.710 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.010 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion: 73 Resp: 30914
Ion Ratio Lower Upper
73 100
43 0.6 14.2 21.4#
57 23.2 17.5 26.3





#19

1,1-Dichloroethane

Concen: 1.845 ug/L

RT: 3.124 min Scan# 645

Delta R.T. 0.010 min

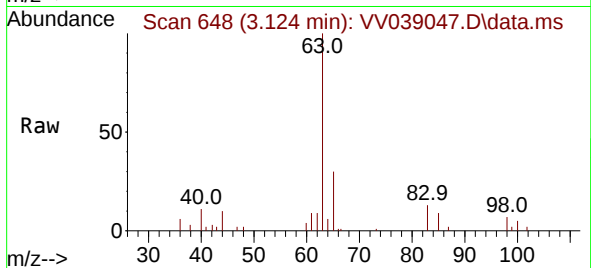
Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :



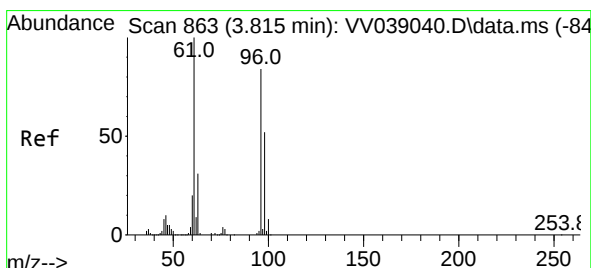
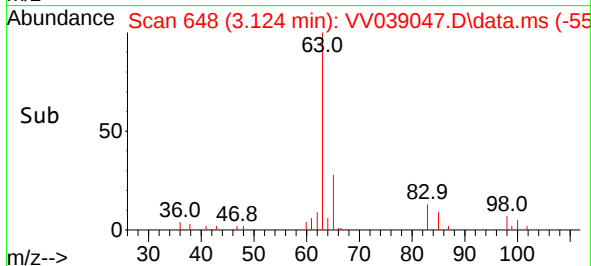
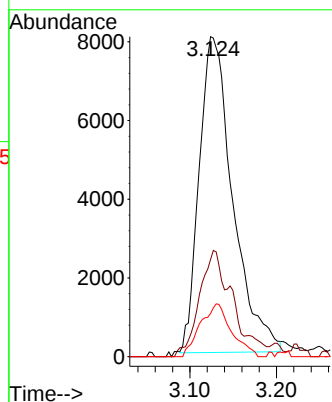
Tgt Ion: 63 Resp: 21655

Ion Ratio Lower Upper

63 100

65 30.4 22.4 41.6

83 13.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 0.926 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.013 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

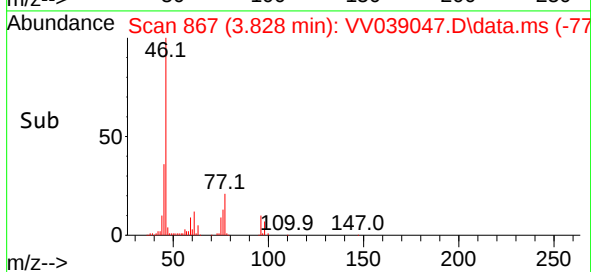
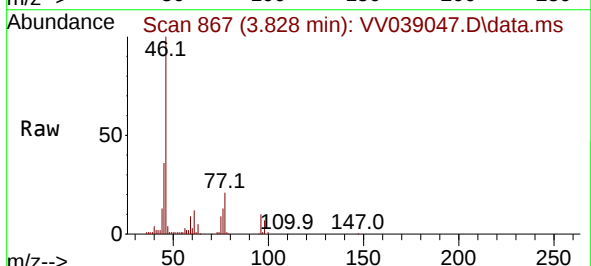
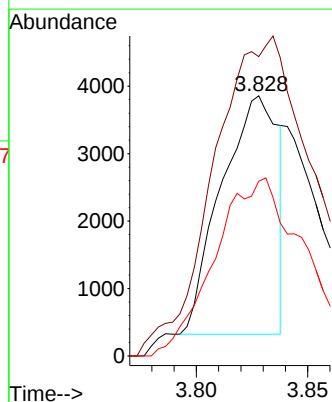
Tgt Ion: 96 Resp: 6242

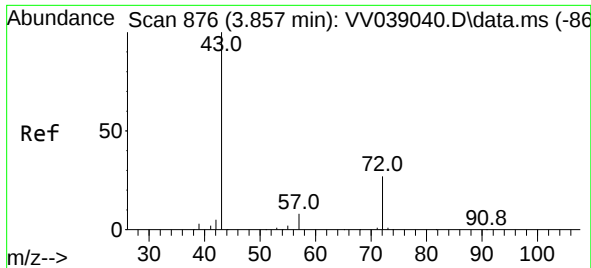
Ion Ratio Lower Upper

96 100

61 115.1 83.8 155.6

98 67.2 43.5 80.9

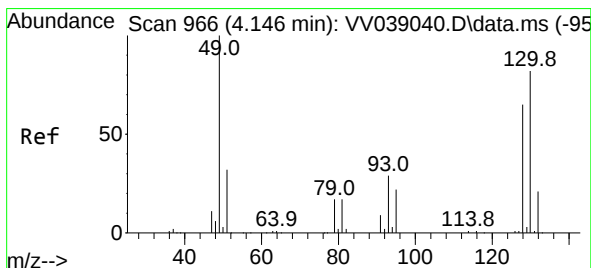
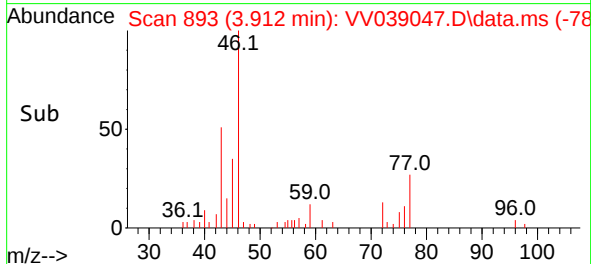
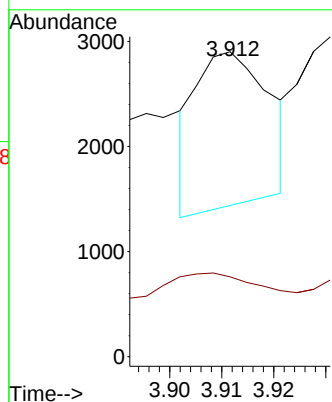
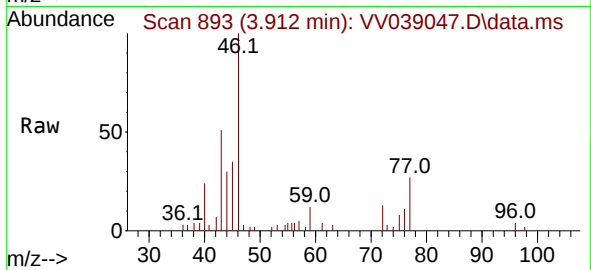




#22
2-Butanone
Concen: 0.310 ug/L
RT: 3.912 min Scan# 891
Delta R.T. 0.055 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

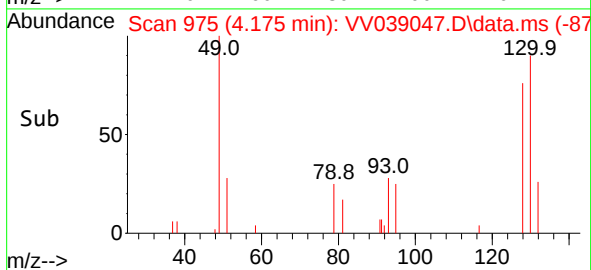
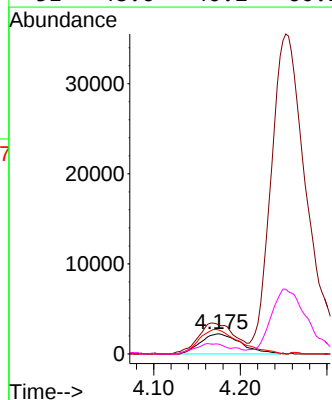
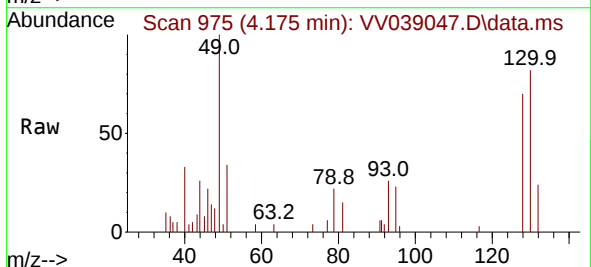
Instrument :
MSVOA_V
ClientSampleId :

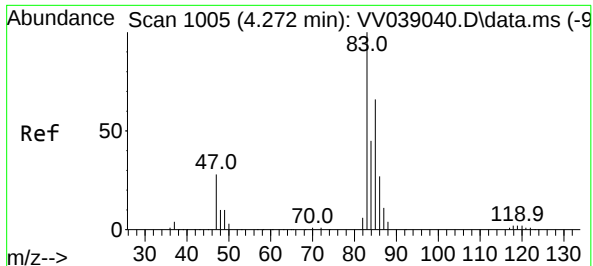
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
72 35.7 13.2 39.5



#23
Bromochloromethane
Concen: 1.950 ug/L
RT: 4.175 min Scan# 975
Delta R.T. 0.029 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion: 128 Resp: 7194
Ion Ratio Lower Upper
128 100
49 143.5 108.4 201.4
130 117.9 89.1 165.5
51 48.6 40.2 60.2





#25

Chloroform

Concen: 2.421 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.010 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

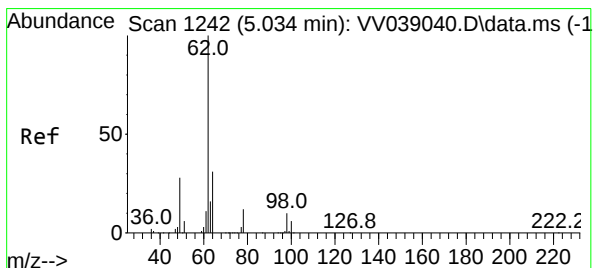
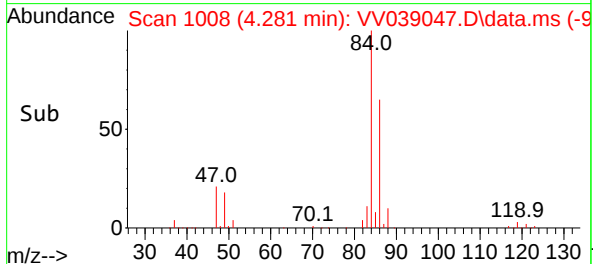
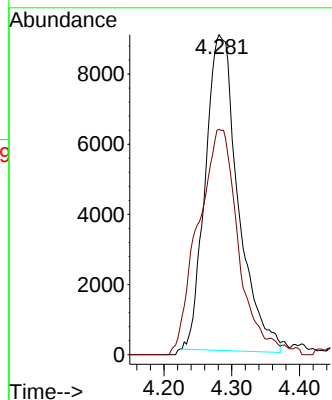
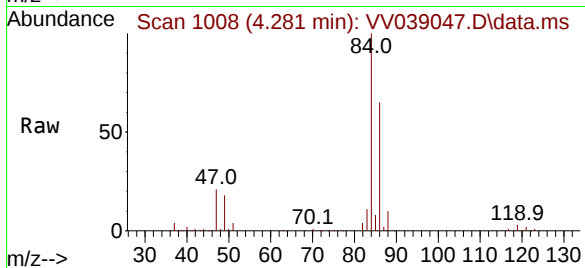
ClientSampleId :

Tgt Ion: 83 Resp: 30327

Ion Ratio Lower Upper

83 100

85 70.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 0.631 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.023 min

Lab File: VV039047.D

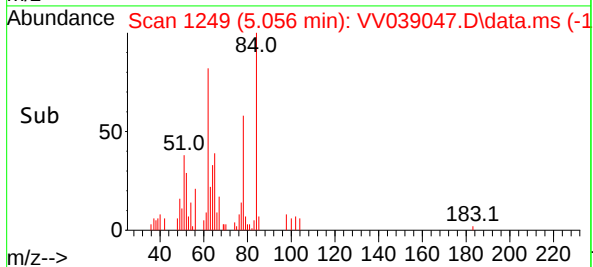
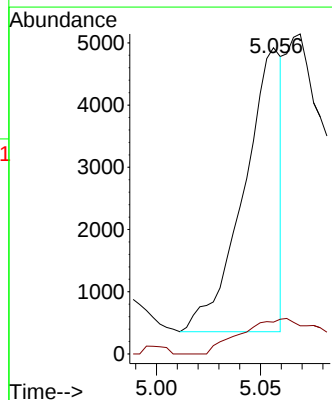
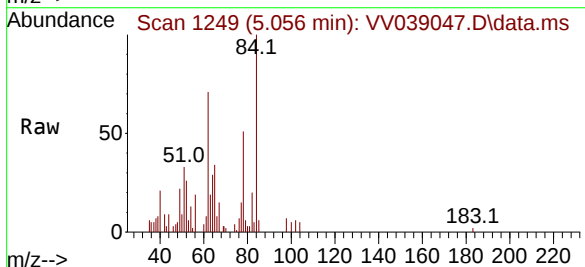
Acq: 11 Sep 2025 15:31

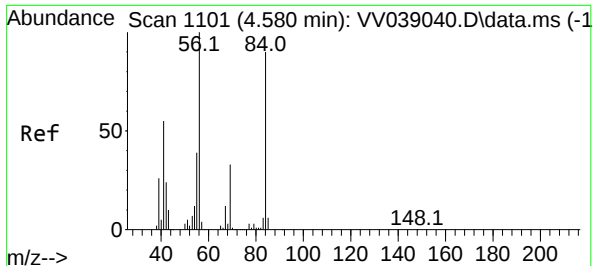
Tgt Ion: 62 Resp: 5755

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.4





#29

Cyclohexane

Concen: 1.447 ug/L

RT: 4.587 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

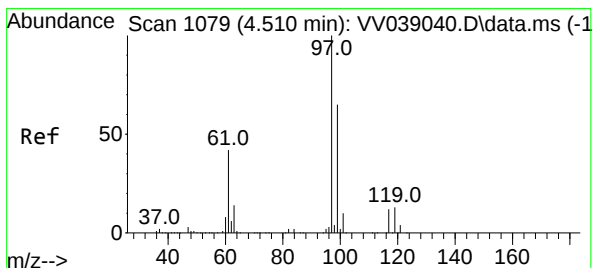
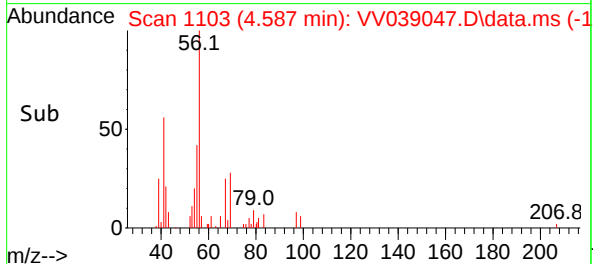
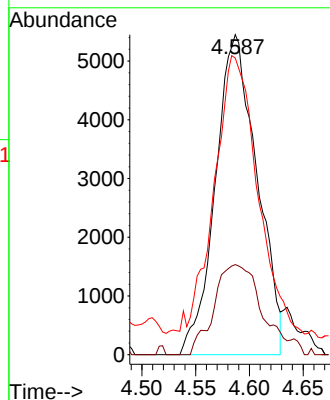
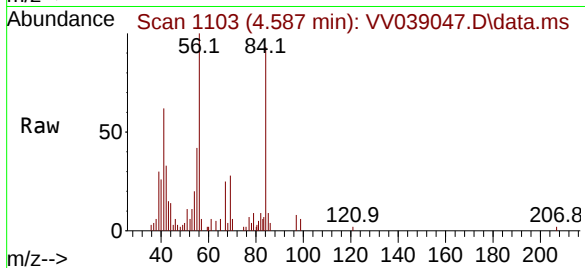
Tgt Ion: 56 Resp: 14667

Ion Ratio Lower Upper

56 100

69 20.8 25.1 37.7#

84 90.2 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 1.820 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.016 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

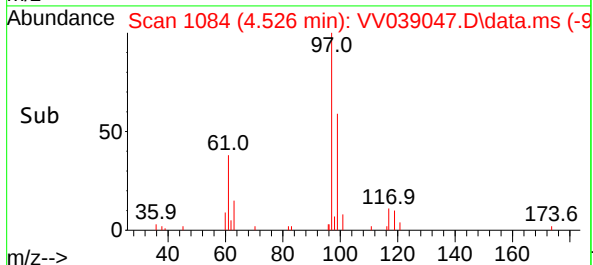
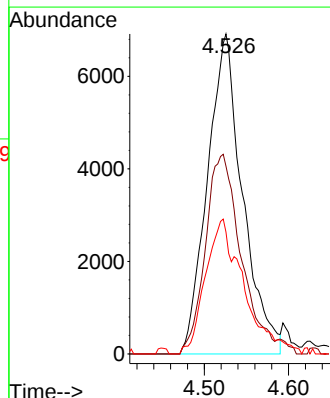
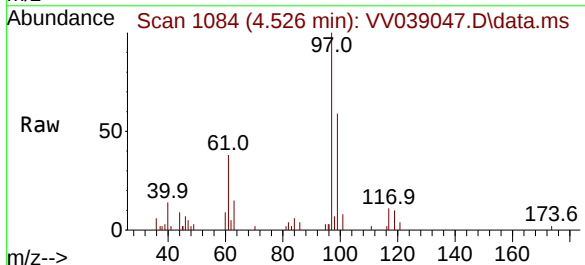
Tgt Ion: 97 Resp: 20013

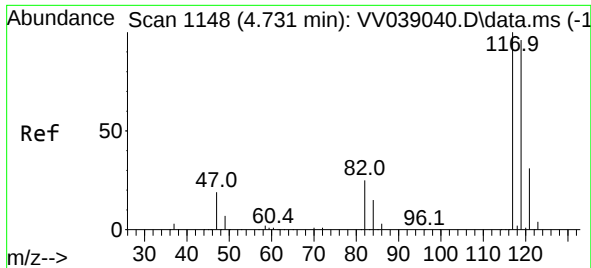
Ion Ratio Lower Upper

97 100

99 63.0 51.1 76.7

61 25.7 33.7 50.5#

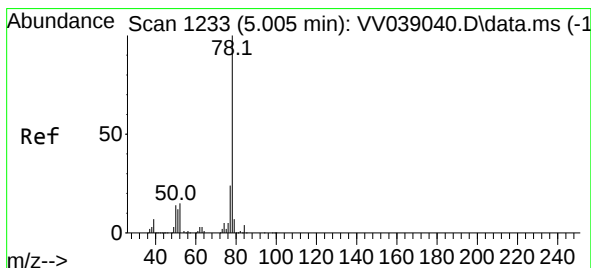
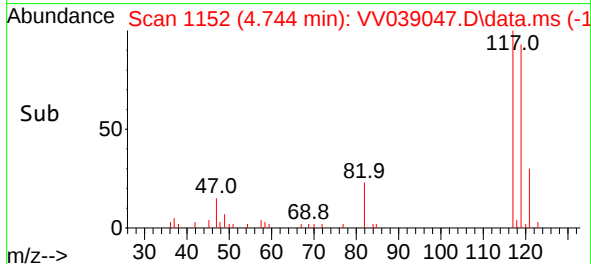
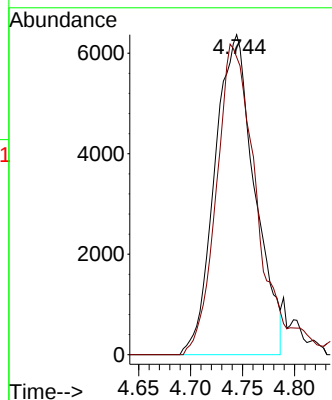
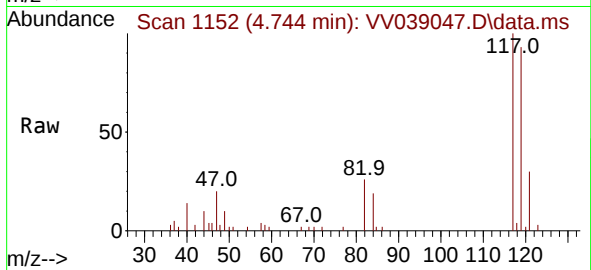




#31
Carbon tetrachloride
Concen: 1.739 ug/L
RT: 4.744 min Scan# 1148
Delta R.T. 0.013 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

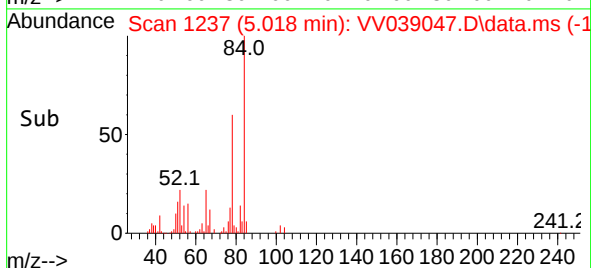
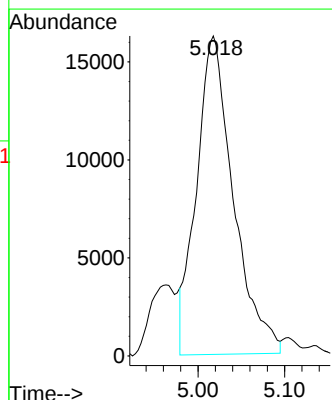
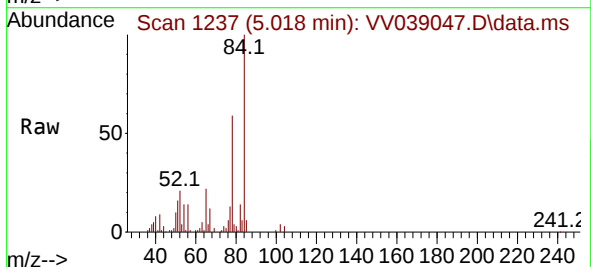
Instrument :
MSVOA_V
ClientSampleId :

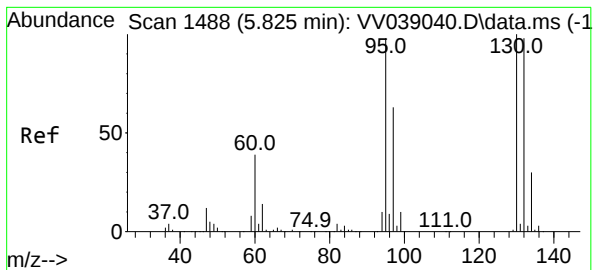
Tgt Ion:117 Resp: 17012
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.4



#33
Benzene
Concen: 1.887 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.013 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion: 78 Resp: 47991





#34

Trichloroethene

Concen: 1.919 ug/L

RT: 5.844 min Scan# 1488

Delta R.T. 0.019 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 13227

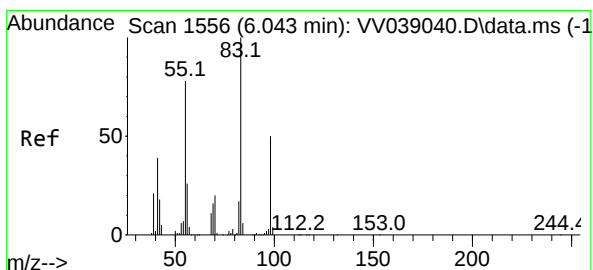
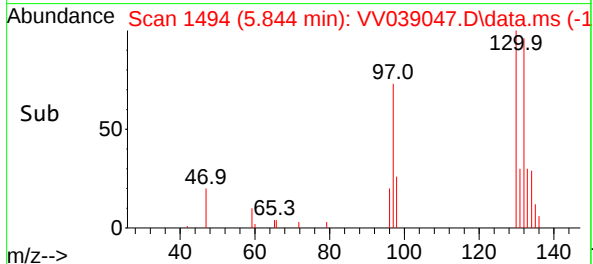
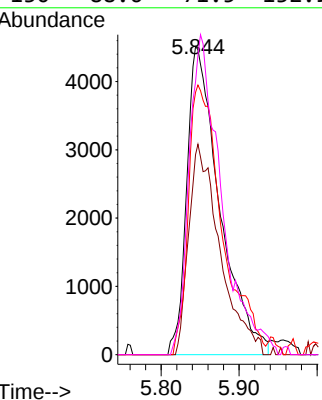
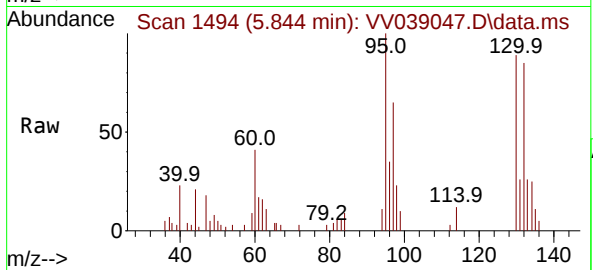
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 85.2 69.9 129.7

130 88.6 71.5 132.9



#35

Methylcyclohexane

Concen: 1.921 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.007 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

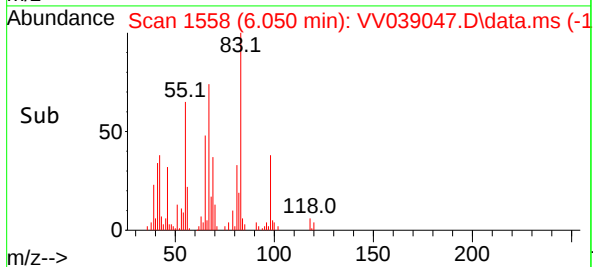
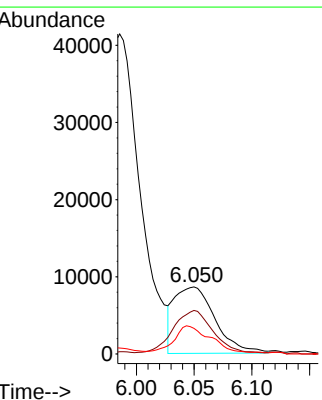
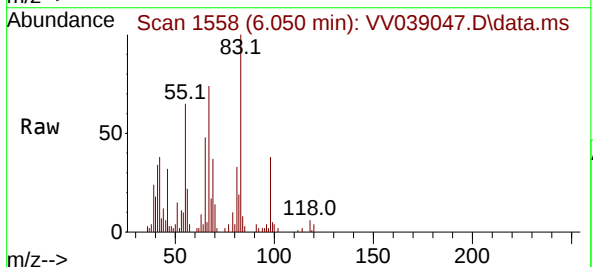
Tgt Ion: 83 Resp: 21193

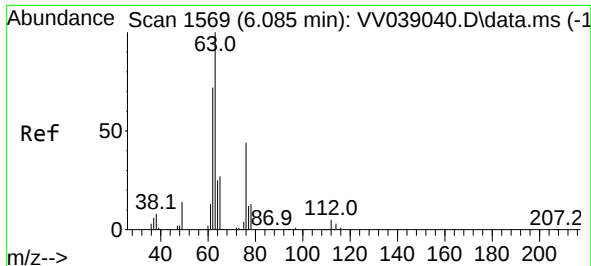
Ion Ratio Lower Upper

83 100

55 64.8 59.0 88.6

98 39.2 37.7 56.5





#37

1,2-Dichloropropane

Concen: 1.944 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

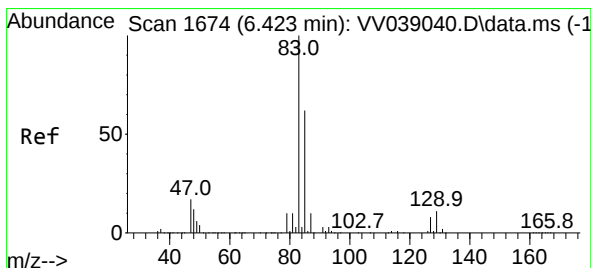
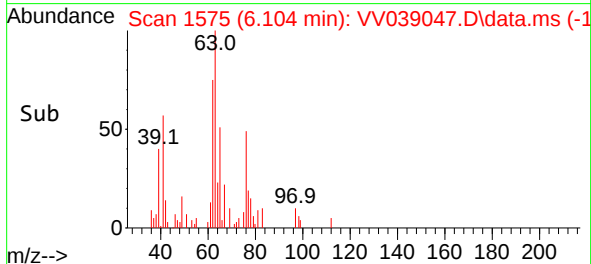
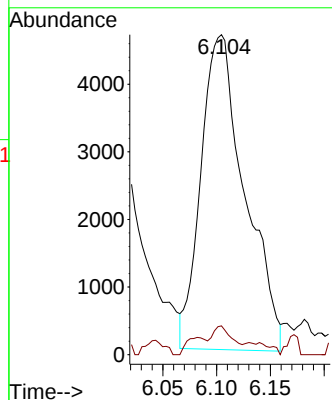
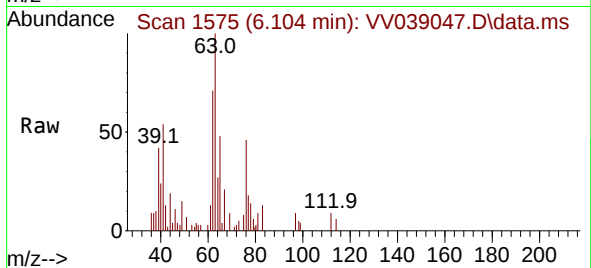
ClientSampleId :

Tgt Ion: 63 Resp: 13229

Ion Ratio Lower Upper

63 100

112 2.0 3.6 5.4#



#38

Bromodichloromethane

Concen: 1.808 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.019 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

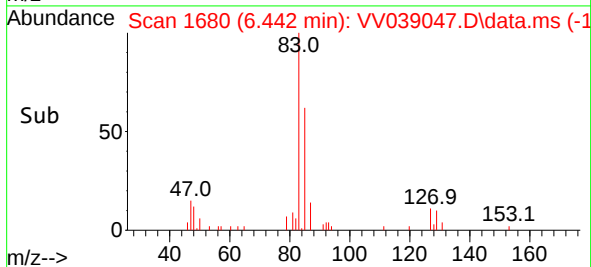
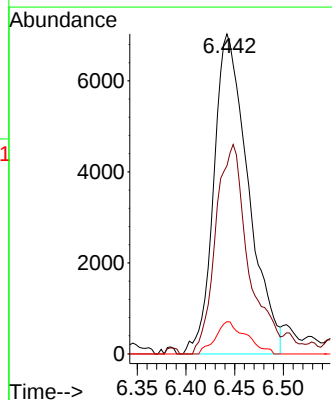
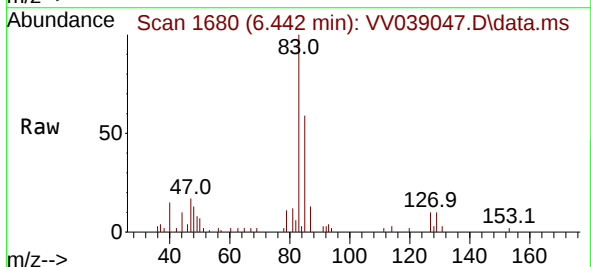
Tgt Ion: 83 Resp: 17323

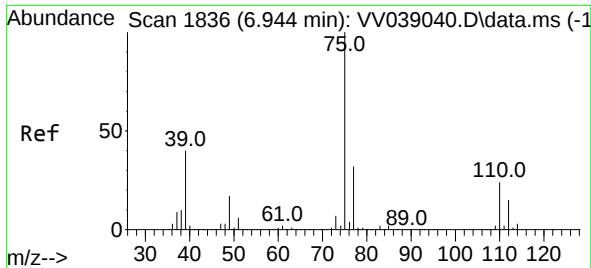
Ion Ratio Lower Upper

83 100

85 58.8 43.5 80.7

127 10.1 6.4 9.6#

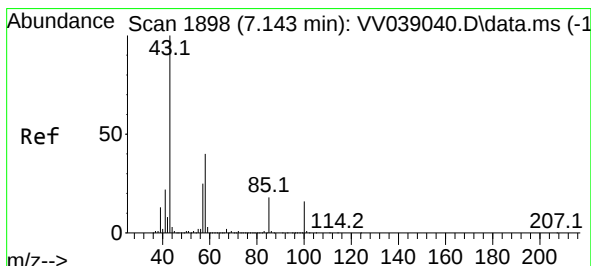
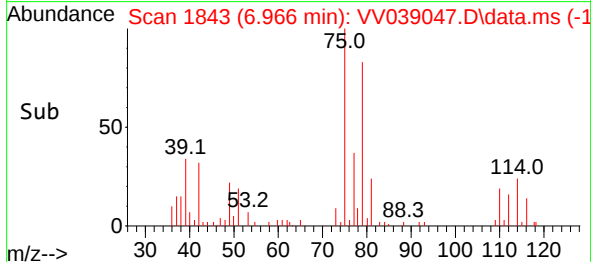
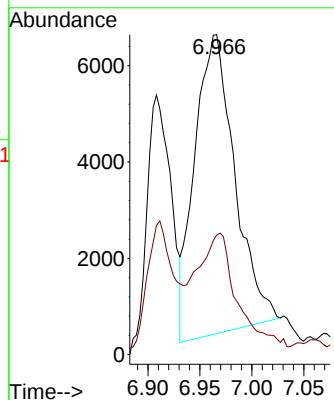
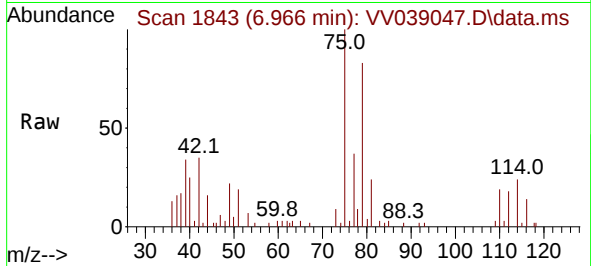




#39
 cis-1,3-Dichloropropene
 Concen: 1.539 ug/L
 RT: 6.966 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

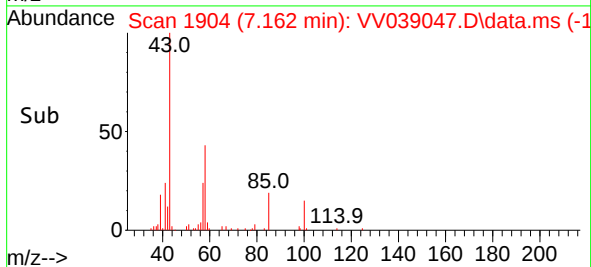
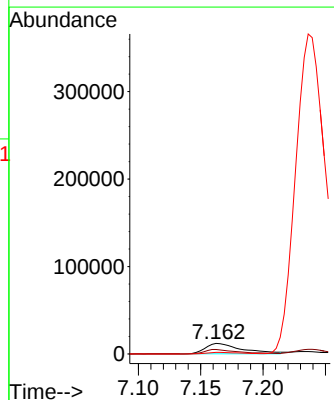
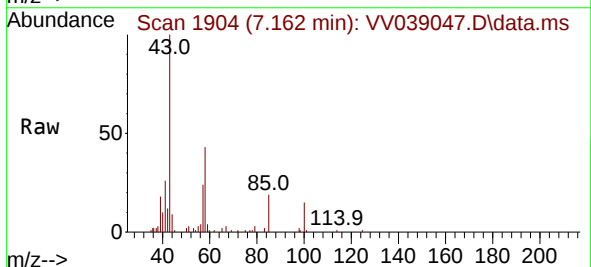
Instrument :
 MSVOA_V
 ClientSampleId :

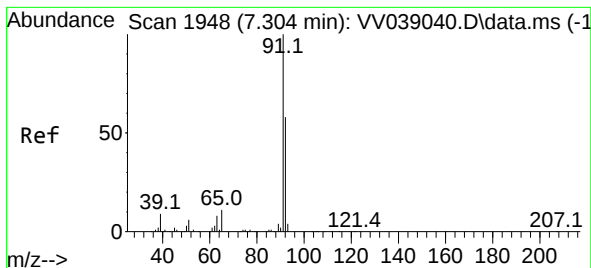
Tgt Ion: 75 Resp: 16702
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 2.812 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.019 min
 Lab File: VV039047.D
 Acq: 11 Sep 2025 15:31

Tgt Ion: 43 Resp: 24289
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.6 48.8
 100 14.5 12.7 19.1





#42

Toluene

Concen: 1.698 ug/L

RT: 7.320 min Scan# 1948

Delta R.T. 0.016 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

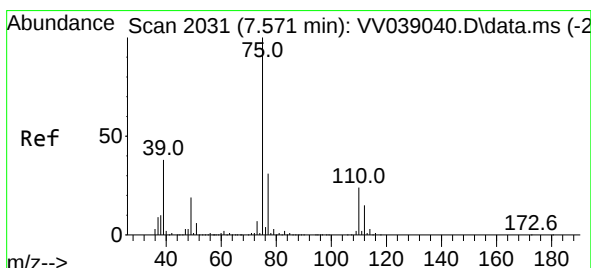
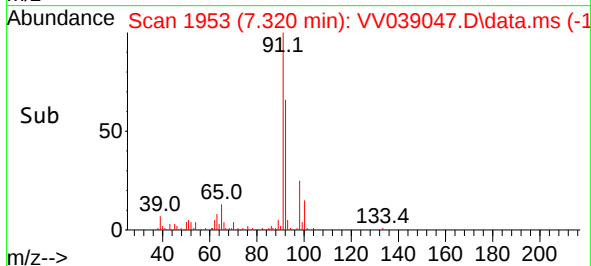
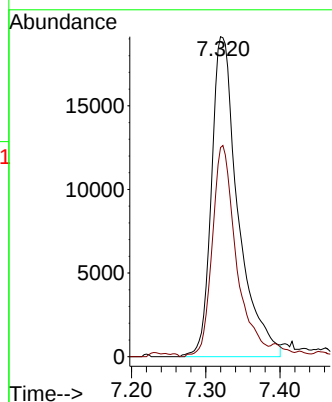
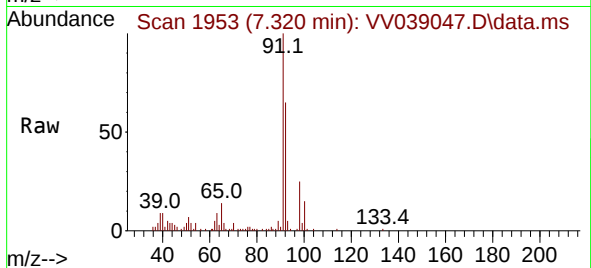
ClientSampleId :

Tgt Ion: 91 Resp: 47581

Ion Ratio Lower Upper

91 100

92 65.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 1.649 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.019 min

Lab File: VV039047.D

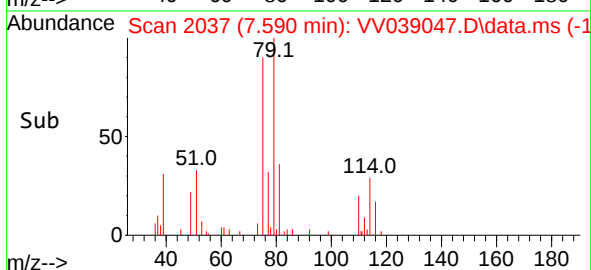
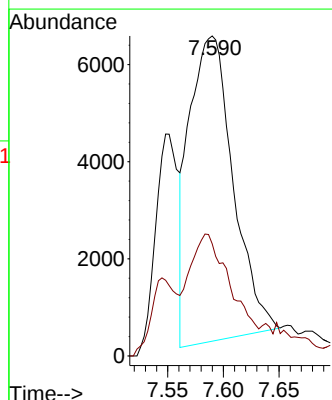
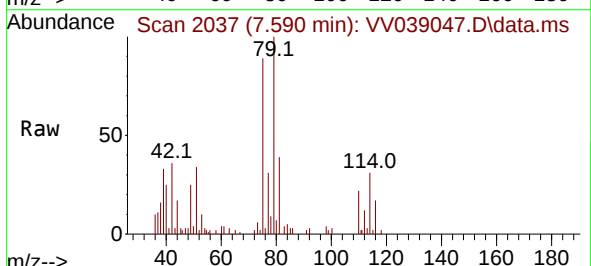
Acq: 11 Sep 2025 15:31

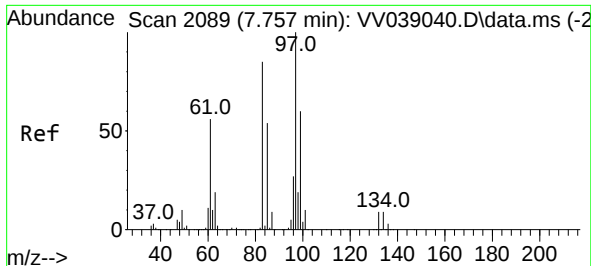
Tgt Ion: 75 Resp: 17245

Ion Ratio Lower Upper

75 100

77 35.0 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 1.650 ug/L

RT: 7.773 min Scan# 2089

Delta R.T. 0.016 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 11888

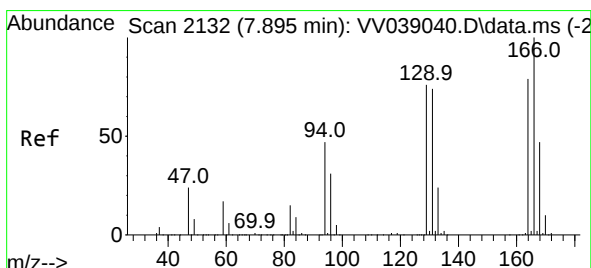
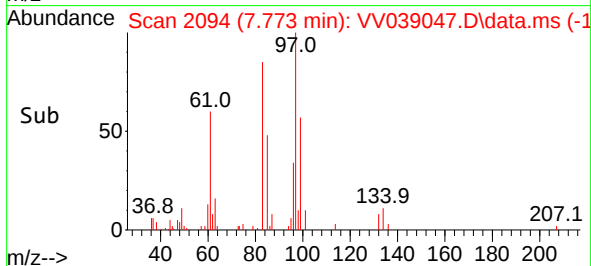
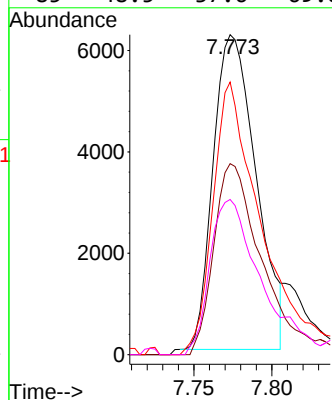
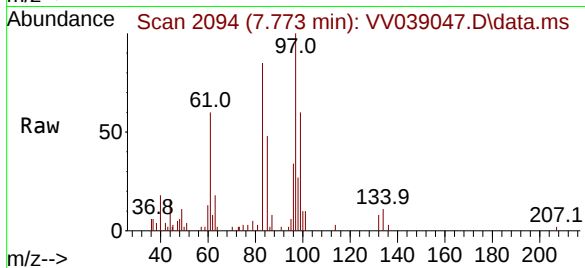
Ion Ratio Lower Upper

97 100

99 59.7 42.3 78.5

83 85.2 59.4 110.2

85 48.5 37.6 69.8



#46

Tetrachloroethene

Concen: 1.784 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.013 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Tgt Ion: 164 Resp: 9537

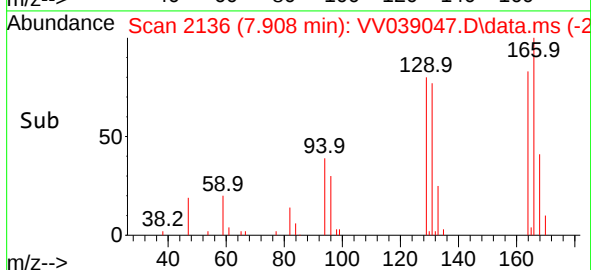
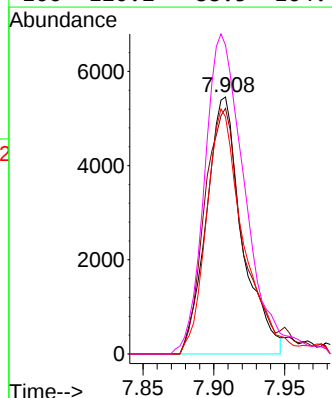
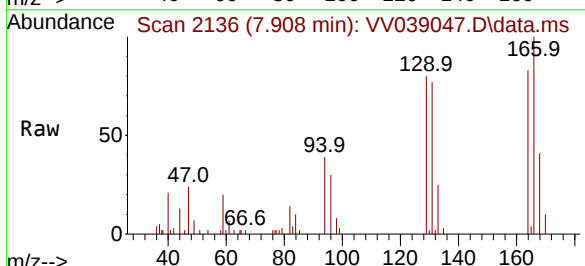
Ion Ratio Lower Upper

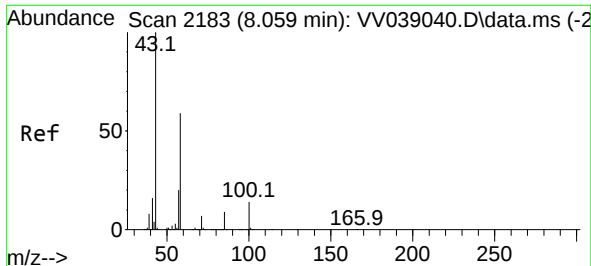
164 100

129 95.6 67.0 124.4

131 92.4 65.6 121.8

166 120.2 88.5 164.4

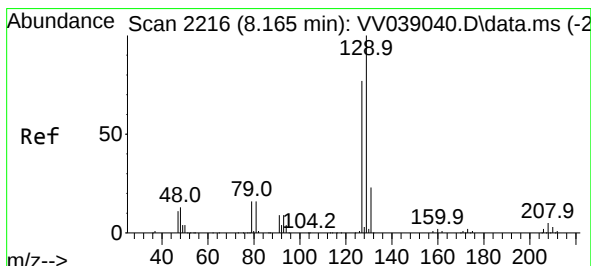
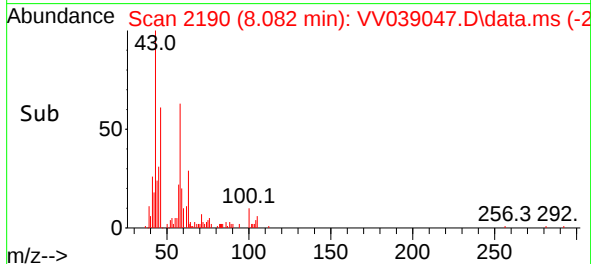
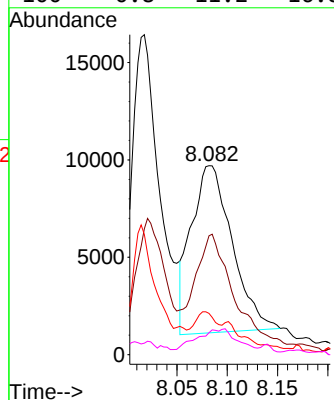
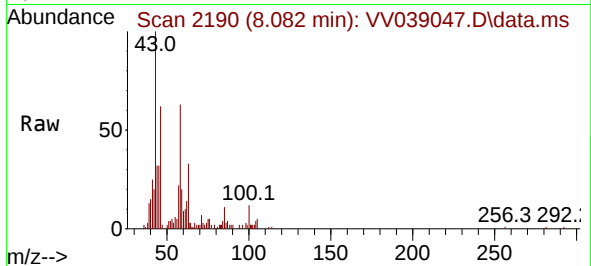




#48
2-Hexanone
Concen: 4.026 ug/L
RT: 8.082 min Scan# 2183
Delta R.T. 0.023 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

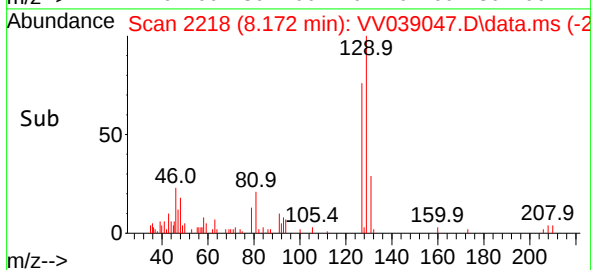
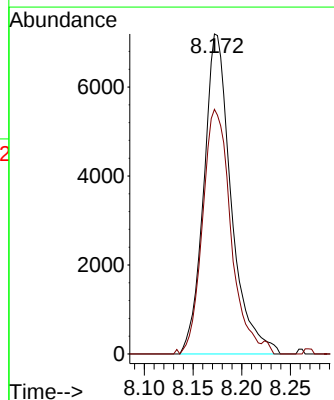
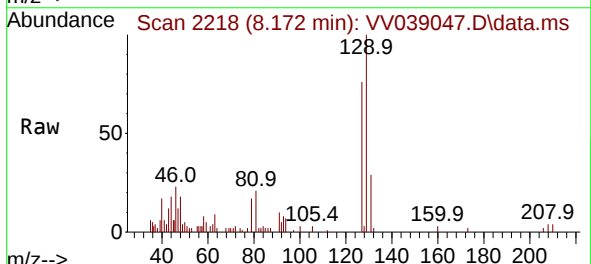
Instrument :
MSVOA_V
ClientSampleId :

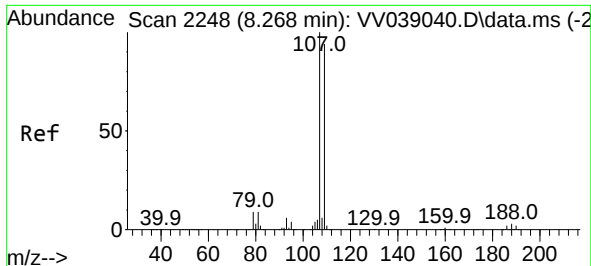
Tgt Ion: 43	Resp: 24254
Ion Ratio	Lower Upper
43	100
58	63.4 46.3 69.5
57	4.8 15.8 23.6#
100	0.8 11.2 16.8#



#49
Dibromochloromethane
Concen: 1.847 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.006 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

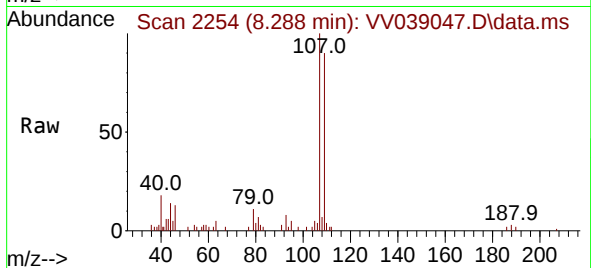
Tgt Ion: 129	Resp: 14066
Ion Ratio	Lower Upper
129	100
127	76.4 53.8 100.0



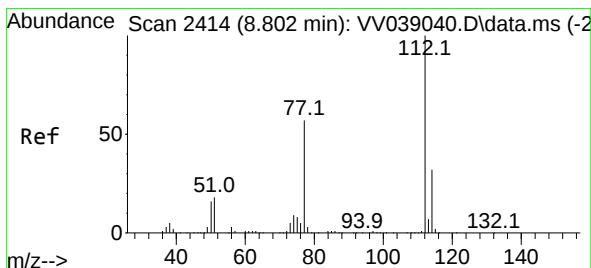
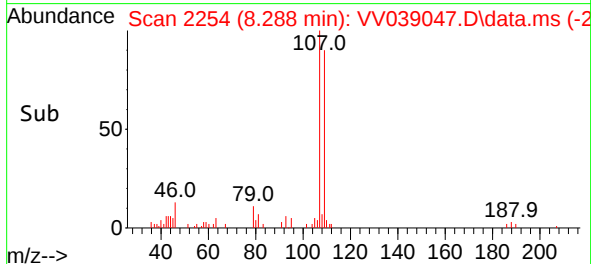
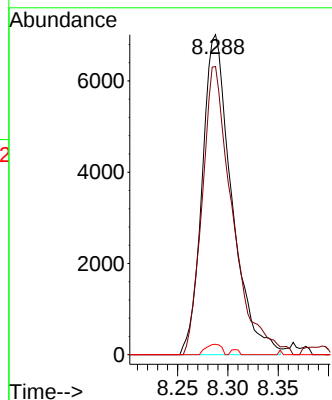


#50
1,2-Dibromoethane
Concen: 1.907 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.019 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Instrument :
MSVOA_V
ClientSampleId :

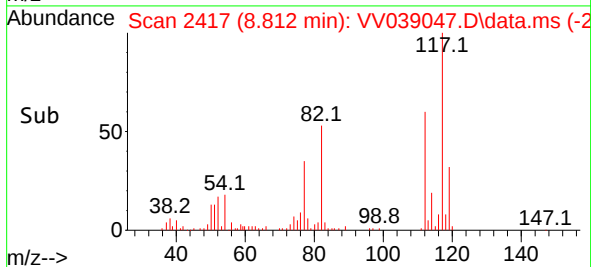
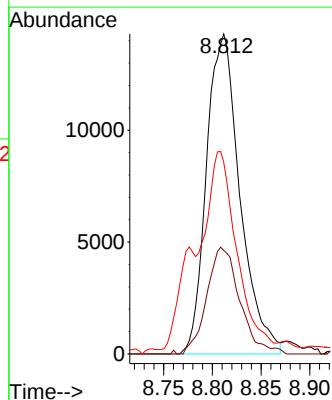
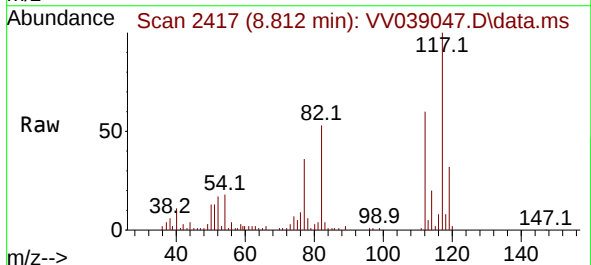


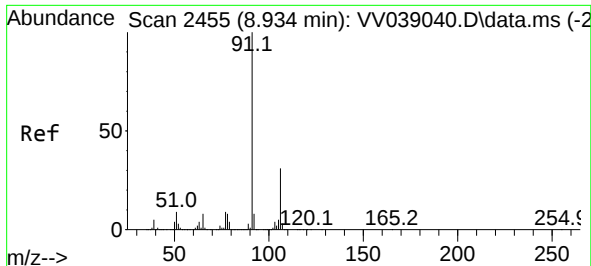
Tgt Ion:107 Resp: 14346
Ion Ratio Lower Upper
107 100
109 90.1 66.1 122.8
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 1.881 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.010 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion:112 Resp: 34242
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 59.9 45.5 68.3

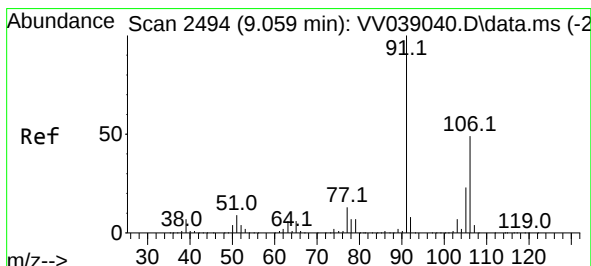
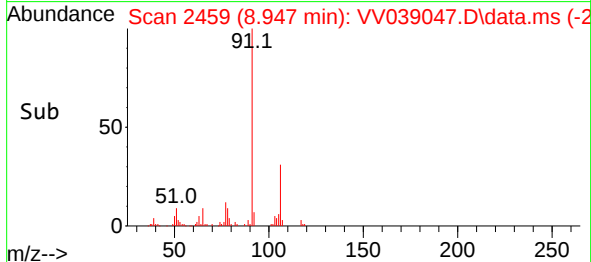
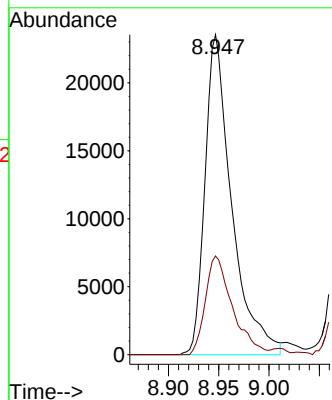
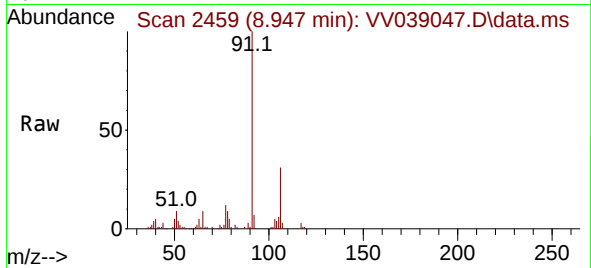




#52
Ethylbenzene
Concen: 1.475 ug/L
RT: 8.947 min Scan# 2455
Delta R.T. 0.013 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

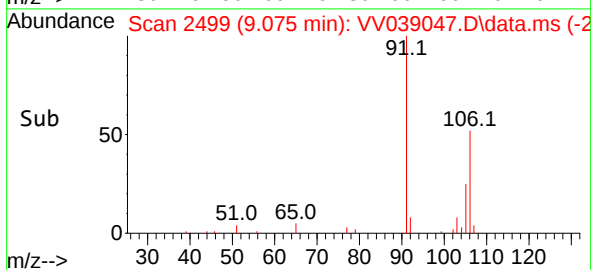
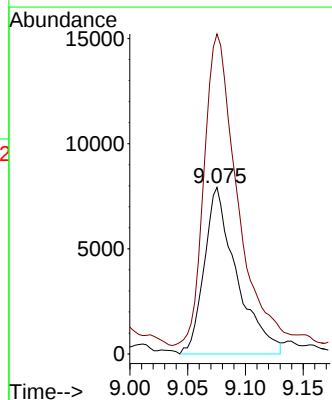
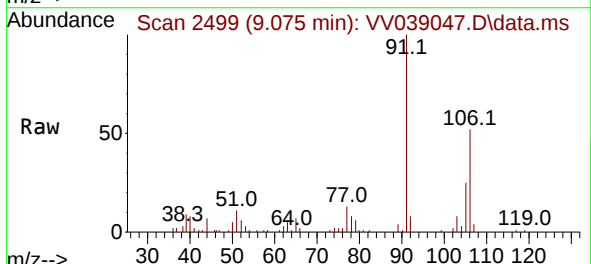
Instrument :
MSVOA_V
ClientSampleId :

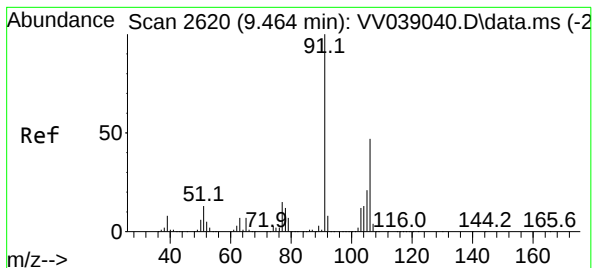
Tgt Ion: 91 Resp: 43501
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 1.370 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.016 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion: 106 Resp: 15452
Ion Ratio Lower Upper
106 100
91 192.2 142.0 263.8





#54

o-Xylene

Concen: 1.335 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

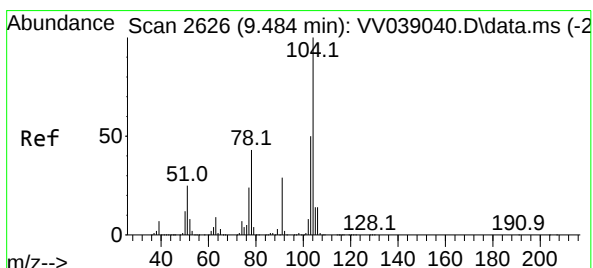
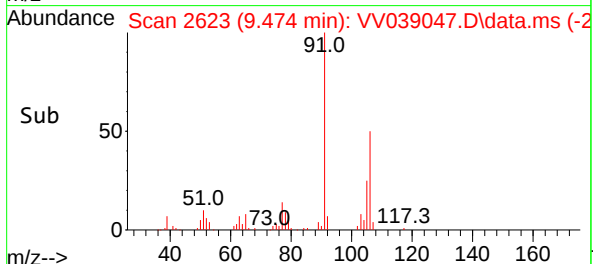
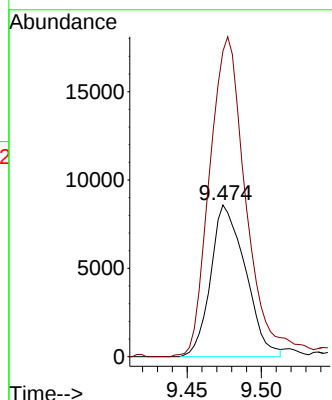
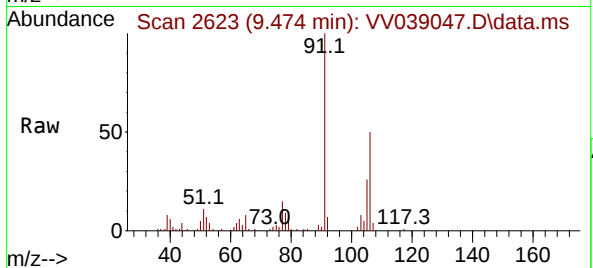
ClientSampleId :

Tgt Ion:106 Resp: 13946

Ion Ratio Lower Upper

106 100

91 201.4 149.1 276.9



#55

Styrene

Concen: 1.141 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.019 min

Lab File: VV039047.D

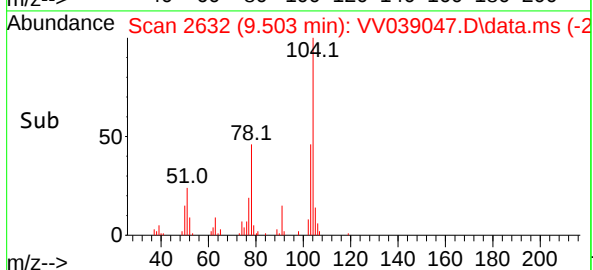
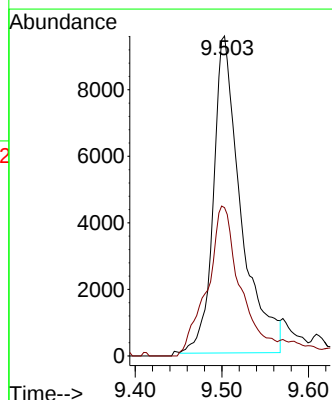
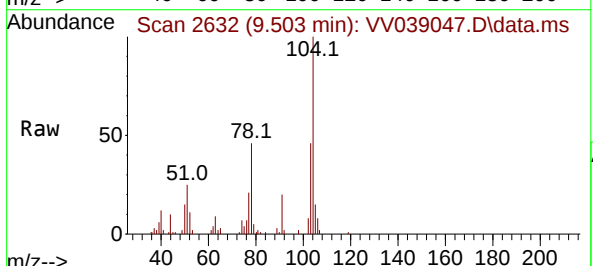
Acq: 11 Sep 2025 15:31

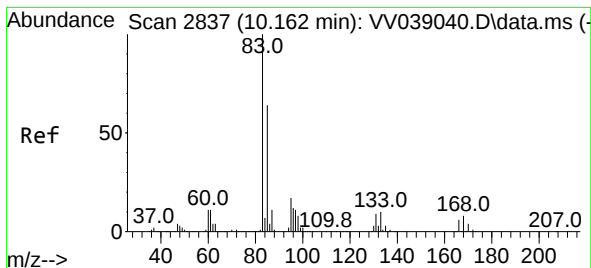
Tgt Ion:104 Resp: 21050

Ion Ratio Lower Upper

104 100

78 46.4 30.3 56.3

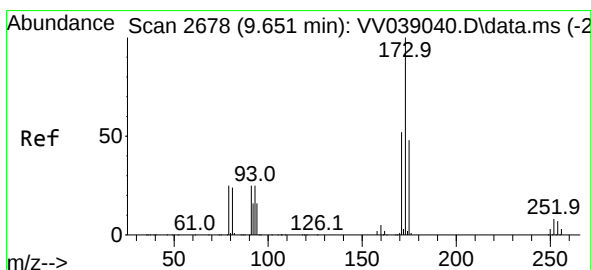
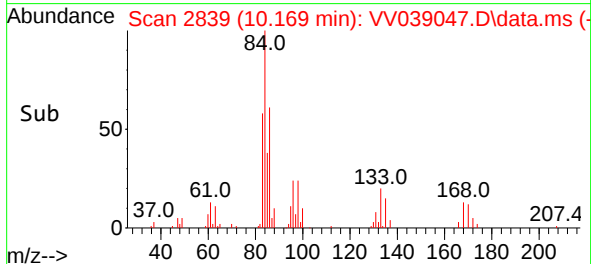
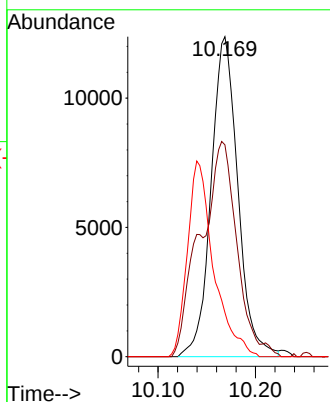
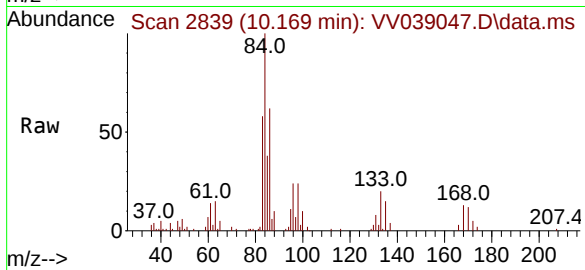




#57
1,1,2,2-Tetrachloroethane
Concen: 2.033 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

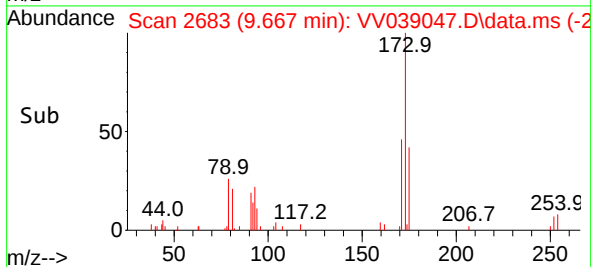
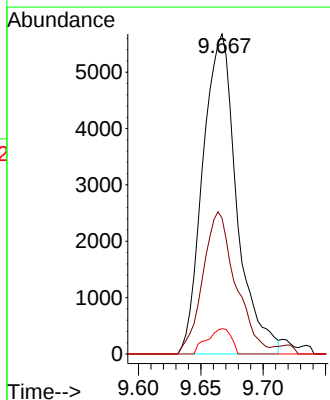
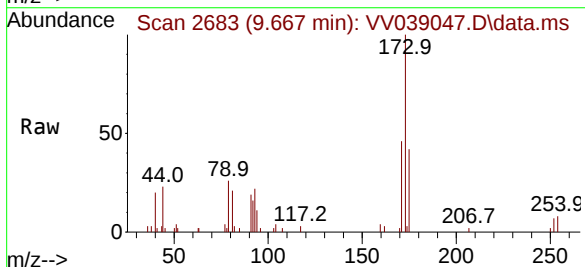
Instrument :
MSVOA_V
ClientSampleId :

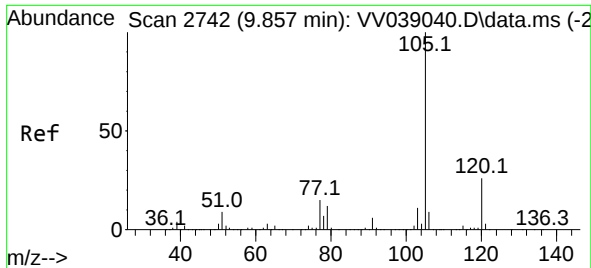
Tgt Ion: 83 Resp: 23619
Ion Ratio Lower Upper
83 100
85 66.2 44.8 83.2
131 13.8 7.6 11.4#



#59
Bromoform
Concen: 2.271 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.016 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

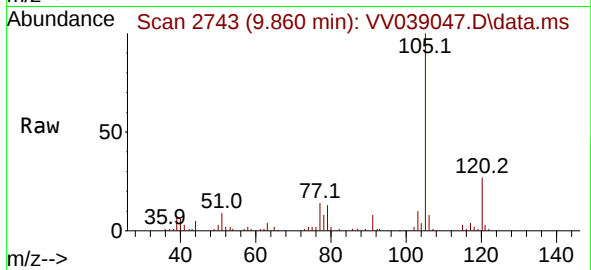
Tgt Ion: 173 Resp: 10747
Ion Ratio Lower Upper
173 100
175 43.2 38.9 58.3
254 5.6 5.9 8.9#



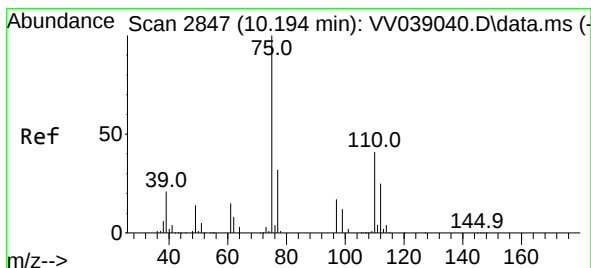
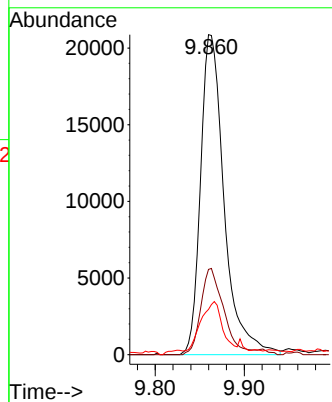
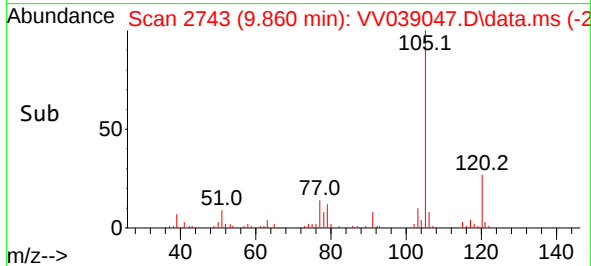


#60
Isopropylbenzene
Concen: 1.591 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

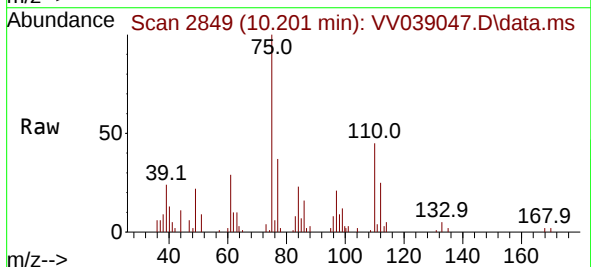
Instrument :
MSVOA_V
ClientSampleId :



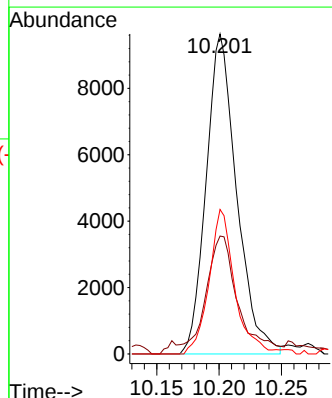
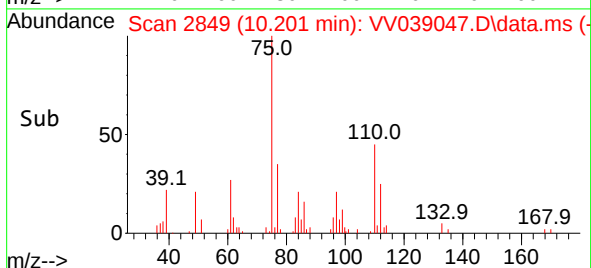
Tgt Ion:105 Resp: 38453
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.4
77 13.8 12.2 18.4

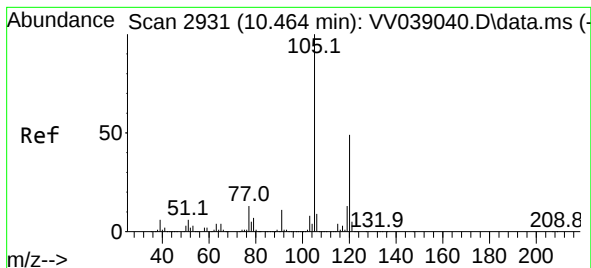


#61
1,2,3-Trichloropropane
Concen: 2.223 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.007 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31



Tgt Ion: 75 Resp: 16401
Ion Ratio Lower Upper
75 100
77 29.3 25.8 38.6
110 37.6 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.565 ug/L

RT: 10.471 min Scan# 2931

Delta R.T. 0.007 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

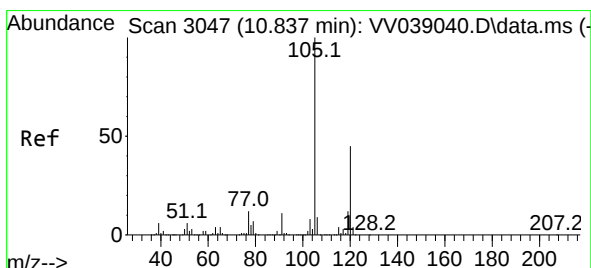
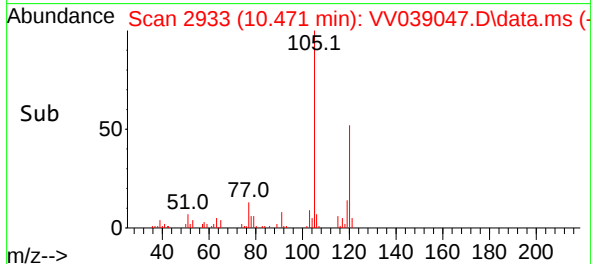
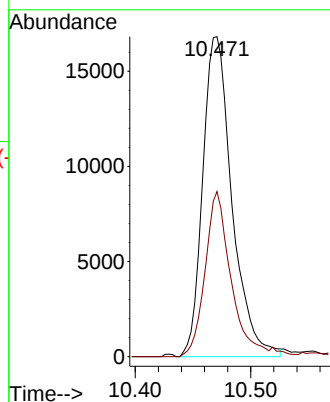
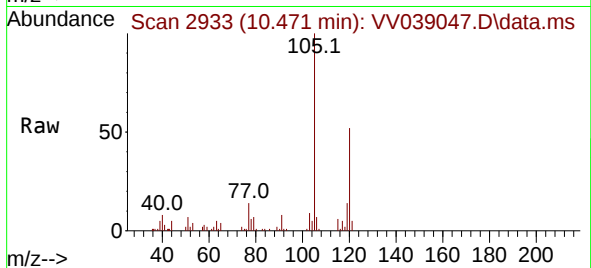
ClientSampleId :

Tgt Ion:105 Resp: 29581

Ion Ratio Lower Upper

105 100

120 45.3 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 1.492 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.010 min

Lab File: VV039047.D

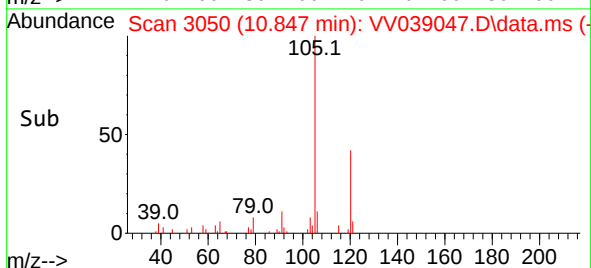
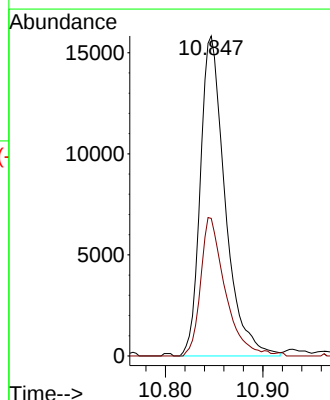
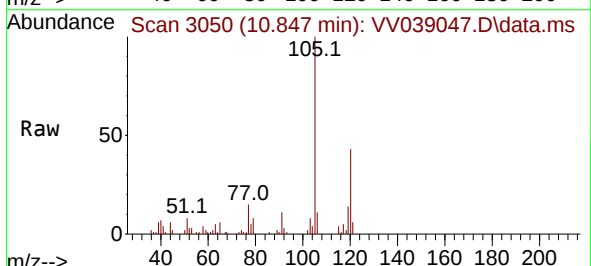
Acq: 11 Sep 2025 15:31

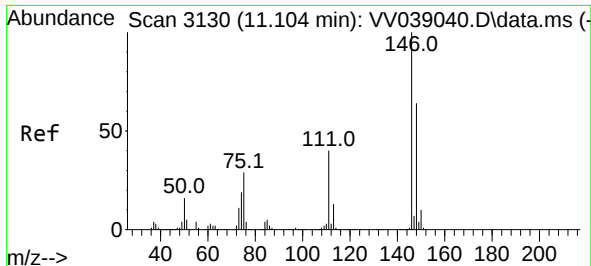
Tgt Ion:105 Resp: 27950

Ion Ratio Lower Upper

105 100

120 42.2 36.1 54.1

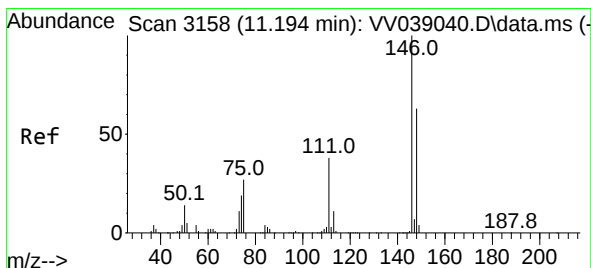
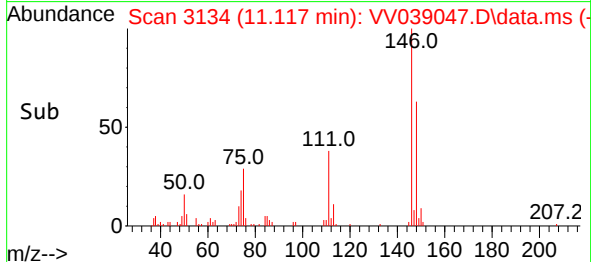
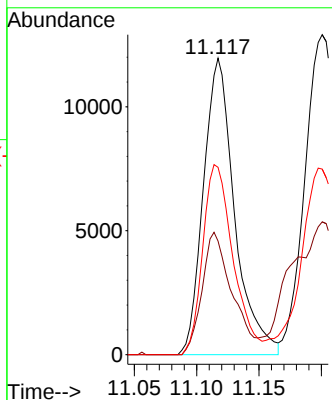
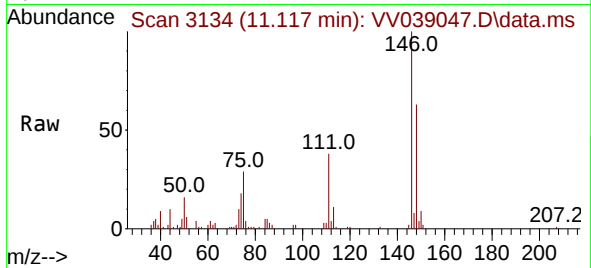




#64
1,3-Dichlorobenzene
Concen: 1.809 ug/L
RT: 11.117 min Scan# 3130
Delta R.T. 0.013 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

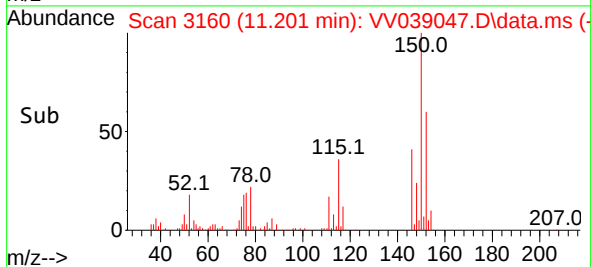
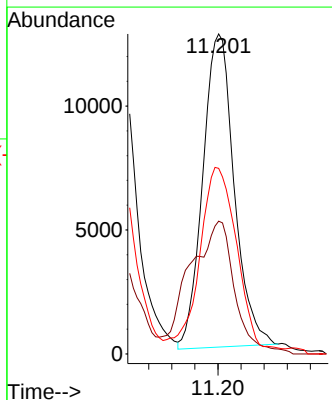
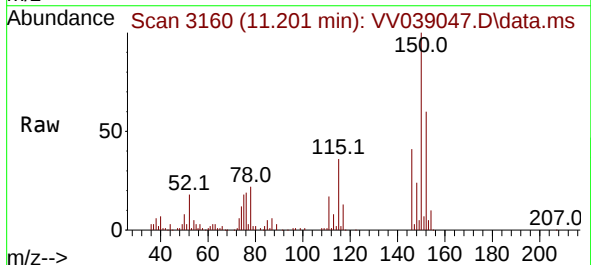
Instrument :
MSVOA_V
ClientSampleId :

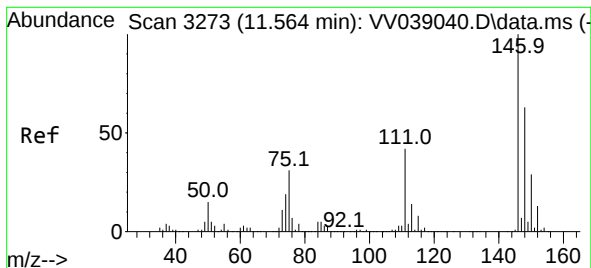
Tgt Ion:146 Resp: 20809
Ion Ratio Lower Upper
146 100
111 38.3 28.3 52.5
148 63.2 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 1.938 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.007 min
Lab File: VV039047.D
Acq: 11 Sep 2025 15:31

Tgt Ion:146 Resp: 23872
Ion Ratio Lower Upper
146 100
111 41.5 27.0 50.2
148 58.0 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 2.294 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

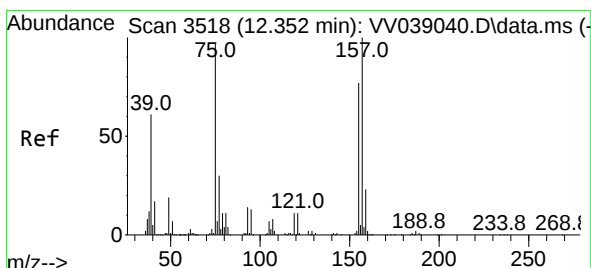
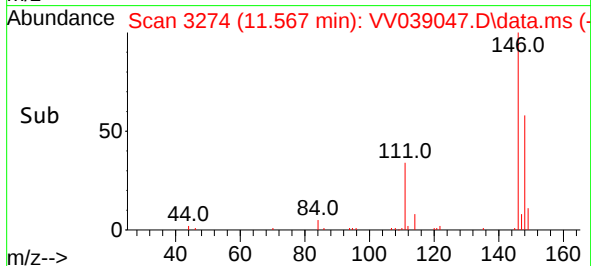
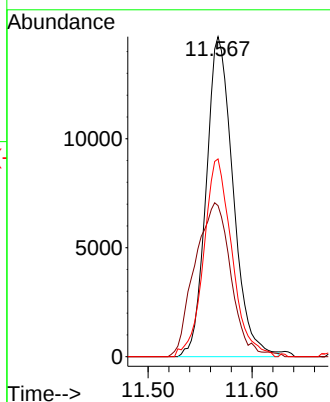
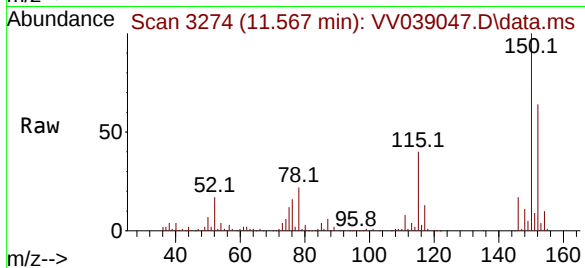
Tgt Ion:146 Resp: 26397

Ion Ratio Lower Upper

146 100

111 47.2 33.4 50.2

148 61.8 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.296 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.009 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

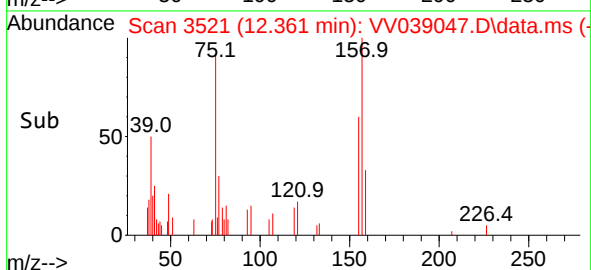
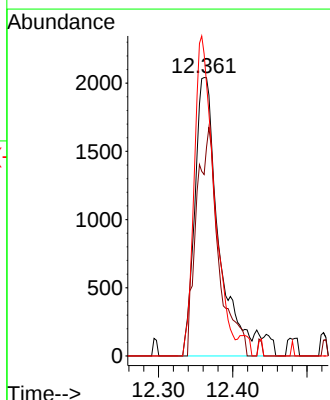
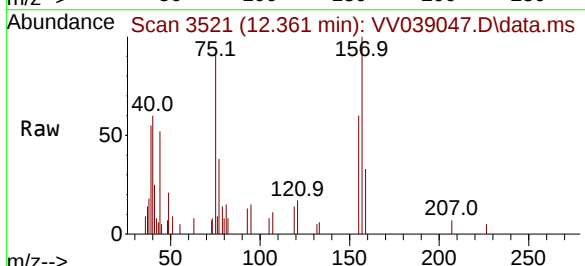
Tgt Ion: 75 Resp: 4756

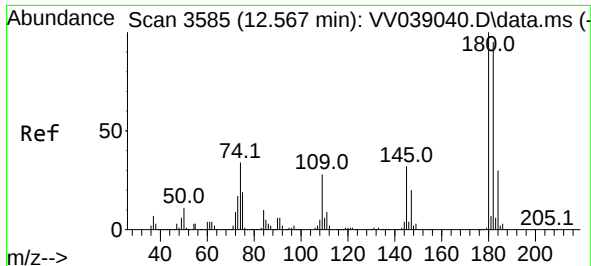
Ion Ratio Lower Upper

75 100

155 65.2 63.7 95.5

157 108.5 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 2.046 ug/L

RT: 12.577 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 15192

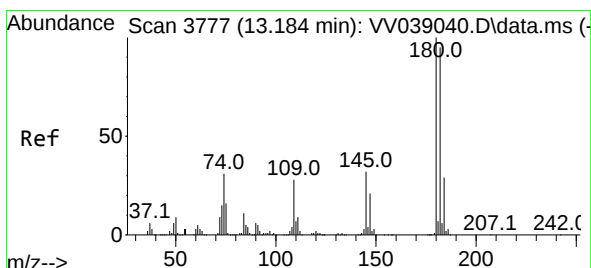
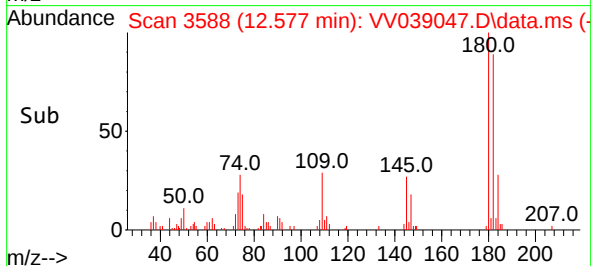
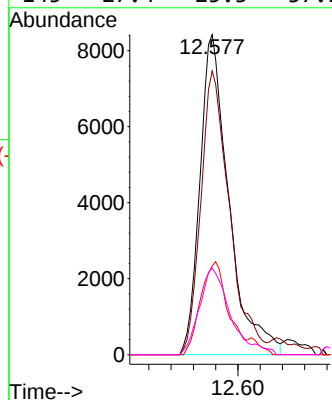
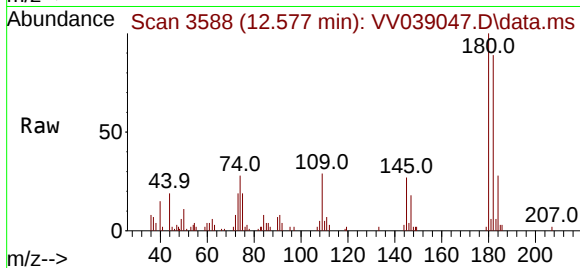
Ion Ratio Lower Upper

180 100

182 87.4 75.0 112.4

184 27.3 23.8 35.8

145 27.4 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 1.656 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.013 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

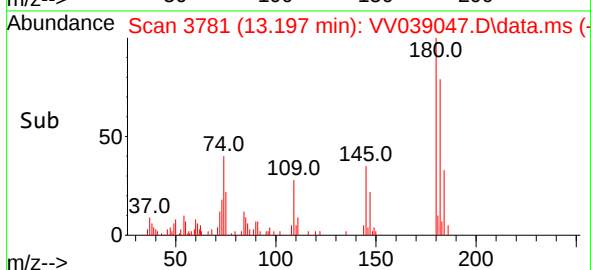
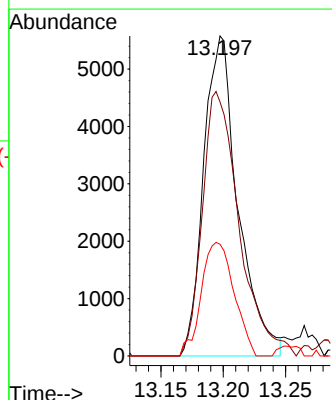
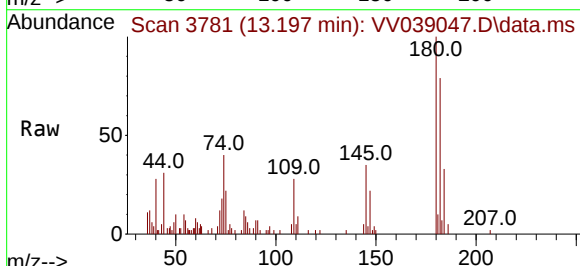
Tgt Ion:180 Resp: 10690

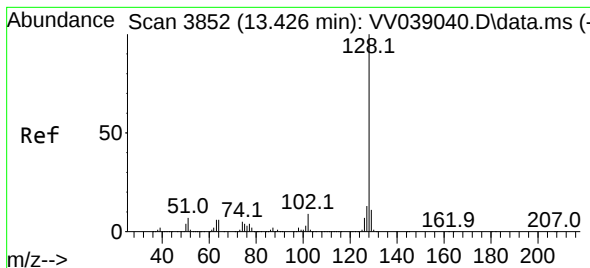
Ion Ratio Lower Upper

180 100

182 88.4 76.0 114.0

145 32.4 25.8 38.6





#71

Naphthalene

Concen: 1.395 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.010 min

Lab File: VV039047.D

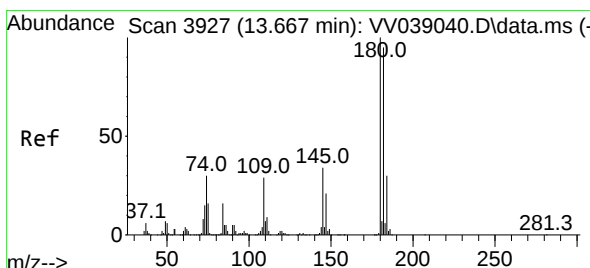
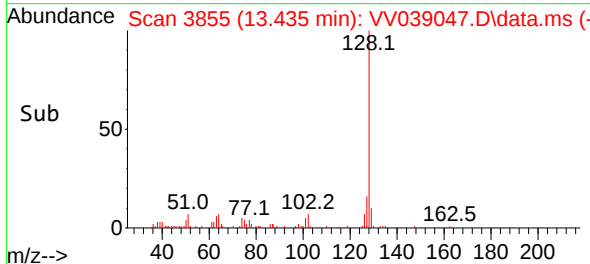
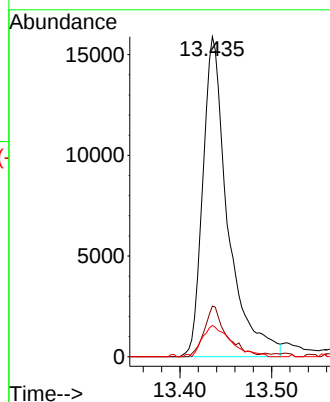
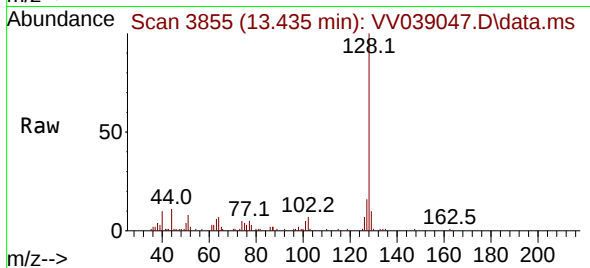
Acq: 11 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	30116
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.3 15.5
129	11.0	8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 1.614 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. 0.003 min

Lab File: VV039047.D

Acq: 11 Sep 2025 15:31

Tgt Ion:180	Resp:	10823
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.9 113.9
145	33.9	27.1 40.7

