

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092225\
 Data File : VV039138.D
 Acq On : 22 Sep 2025 12:48
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 24 07:22:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 07:14:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	545775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	880963	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	860340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	509460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	144689	18.317	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.640%#
35) Dibromofluoromethane	4.503	113	134662	19.014	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	38.020%#
50) Toluene-d8	7.236	98	384827	18.501	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	37.000%#
62) 4-Bromofluorobenzene	10.002	95	163597	19.105	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	38.220%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	165175	19.118	ug/l	96
3) Chloromethane	1.230	50	177694	19.159	ug/l	99
4) Vinyl Chloride	1.298	62	186887	18.822	ug/l	99
5) Bromomethane	1.500	94	119578	19.104	ug/l	98
6) Chloroethane	1.561	64	124021	19.935	ug/l	99
7) Trichlorofluoromethane	1.729	101	273532	19.027	ug/l	100
8) Diethyl Ether	1.921	74	100661	18.862	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.085	101	159719	18.673	ug/l	99
10) Methyl Iodide	2.198	142	161932	19.880	ug/l	99
11) Tert butyl alcohol	2.568	59	171137	102.509	ug/l	98
12) 1,1-Dichloroethene	2.085	96	157427	19.131	ug/l	97
13) Acrolein	2.011	56	29609	102.210	ug/l	97
14) Allyl chloride	2.359	41	280200	19.062	ug/l	99
15) Acrylonitrile	2.674	53	504022	94.179	ug/l	99
16) Acetone	2.121	43	499669	95.756	ug/l	99
17) Carbon Disulfide	2.253	76	476229	18.923	ug/l	100
18) Methyl Acetate	2.381	43	226208	19.328	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	498918	19.027	ug/l	99
20) Methylene Chloride	2.458	84	185050	20.143	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	164898	18.823	ug/l	97
22) Diisopropyl ether	3.217	45	552331	19.640	ug/l	83
23) Vinyl Acetate	3.191	43	2445787	99.414	ug/l	100
24) 1,1-Dichloroethane	3.118	63	320146	18.615	ug/l	99
25) 2-Butanone	3.870	43	637413	102.519	ug/l	100
26) 2,2-Dichloropropane	3.812	77	278362	18.326	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	183867	19.031	ug/l	98
28) Bromochloromethane	4.146	49	164406	21.654	ug/l	99
29) Tetrahydrofuran	4.240	42	405777	102.491	ug/l	99
30) Chloroform	4.281	83	342700	19.083	ug/l	99
31) Cyclohexane	4.587	56	266753	18.934	ug/l	98
32) 1,1,1-Trichloroethane	4.516	97	288341	18.546	ug/l	99
36) 1,1-Dichloropropene	4.748	75	212835	19.734	ug/l	99
37) Ethyl Acetate	3.979	43	260591	19.696	ug/l	97
38) Carbon Tetrachloride	4.735	117	250103	19.252	ug/l	98
39) Methylcyclohexane	6.047	83	253693	19.619	ug/l	95
40) Benzene	5.011	78	697141	19.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.169	41	102755	18.721	ug/l	95
42) 1,2-Dichloroethane	5.043	62	244487	20.012	ug/l	99
43) Isopropyl Acetate	5.195	43	362512	19.889	ug/l	98
44) Trichloroethene	5.831	130	160692	19.972	ug/l	96
45) 1,2-Dichloropropane	6.092	63	182757	21.087	ug/l	96
46) Dibromomethane	6.227	93	129319	19.495	ug/l	98
47) Bromodichloromethane	6.429	83	269262	19.635	ug/l	97
48) Methyl methacrylate	6.301	41	158251	18.977	ug/l	99
49) 1,4-Dioxane	6.294	88	47860	365.172	ug/l #	85
51) 4-Methyl-2-Pentanone	7.150	43	1296796	111.268	ug/l	98
52) Toluene	7.310	92	422367	20.892	ug/l	100
53) t-1,3-Dichloropropene	7.577	75	245181	20.516	ug/l	98
54) cis-1,3-Dichloropropene	6.950	75	273906	20.761	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	176812	19.505	ug/l	98
56) Ethyl methacrylate	7.719	69	212320	19.723	ug/l	97
57) 1,3-Dichloropropane	7.934	76	291304	20.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	536254	94.274	ug/l	99
59) 2-Hexanone	8.066	43	940265	101.225	ug/l	98
60) Dibromochloromethane	8.169	129	200793	19.440	ug/l	99
61) 1,2-Dibromoethane	8.275	107	189555	20.447	ug/l	99
64) Tetrachloroethene	7.899	164	141876	19.688	ug/l	99
65) Chlorobenzene	8.805	112	470841	19.648	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	167936	19.395	ug/l	99
67) Ethyl Benzene	8.937	91	737391	20.328	ug/l	99
68) m/p-Xylenes	9.063	106	607362	43.381	ug/l	99
69) o-Xylene	9.468	106	255212	20.587	ug/l	100
70) Styrene	9.487	104	475382	19.022	ug/l	99
71) Bromoform	9.654	173	132242	19.552	ug/l	98
73) Isopropylbenzene	9.857	105	741305	20.062	ug/l	99
74) N-amyl acetate	9.725	43	306963	20.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	297741	18.390	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	213532	18.409	ug/l	99
77) Bromobenzene	10.140	156	187188	19.525	ug/l	96
78) n-propylbenzene	10.278	91	905281	20.118	ug/l	99
79) 2-Chlorotoluene	10.349	91	547836	20.346	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	640175	20.843	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	91848	19.009	ug/l	96
82) 4-Chlorotoluene	10.461	91	655427	20.993	ug/l	99
83) tert-Butylbenzene	10.789	119	587151	19.172	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	631679	21.185	ug/l	100
85) sec-Butylbenzene	11.011	105	808869	19.912	ug/l	99
86) p-Isopropyltoluene	11.165	119	682814	20.196	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	374208	19.287	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	397526	18.539	ug/l	100
89) n-Butylbenzene	11.580	91	640044	19.822	ug/l	99
90) Hexachloroethane	11.818	117	150843	18.118	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	336566	18.567	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	57671	19.989	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	196334	18.894	ug/l	99
94) Hexachlorobutadiene	13.368	225	96610	17.893	ug/l	98
95) Naphthalene	13.426	128	634557	18.986	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	198308	18.659	ug/l	97

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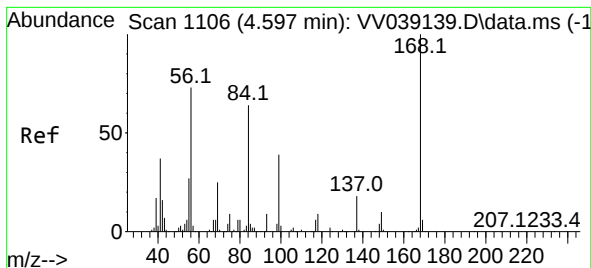
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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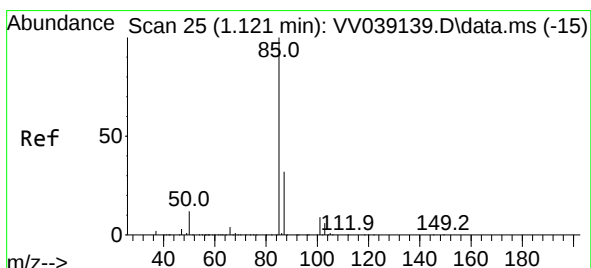
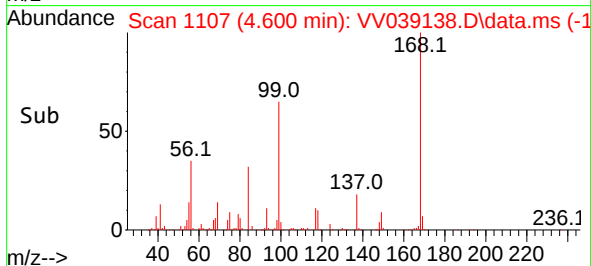
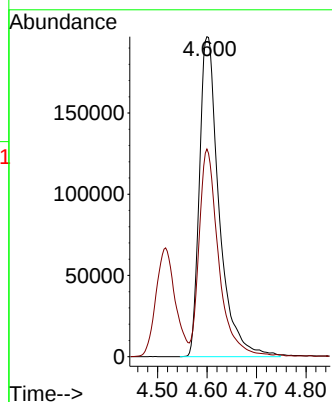
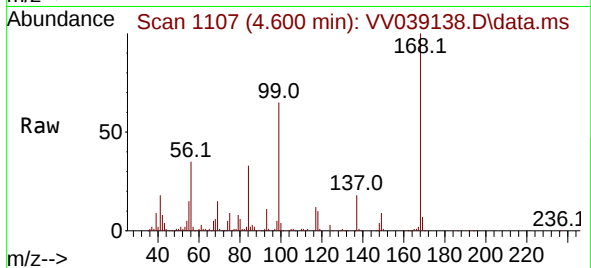




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039138.D
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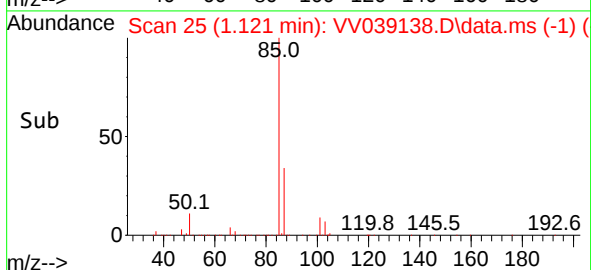
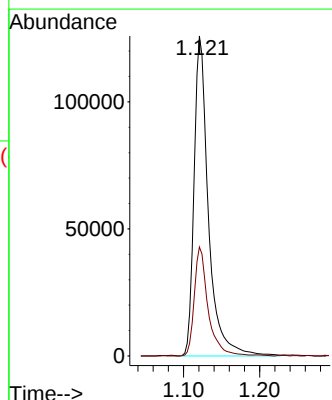
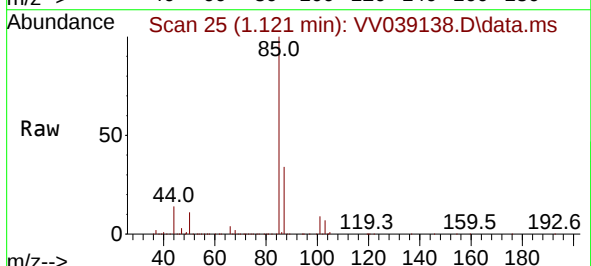
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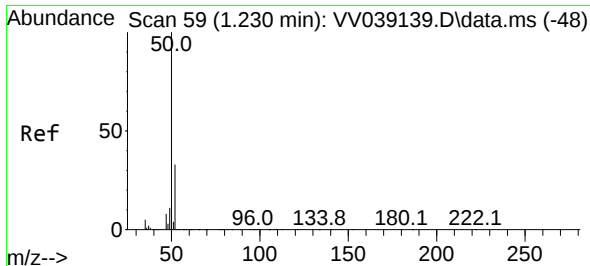
Tgt Ion:168 Resp: 545775
Ion Ratio Lower Upper
168 100
99 64.3 49.6 74.4



#2
Dichlorodifluoromethane
Concen: 19.118 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 85 Resp: 165175
Ion Ratio Lower Upper
85 100
87 34.0 16.0 47.9

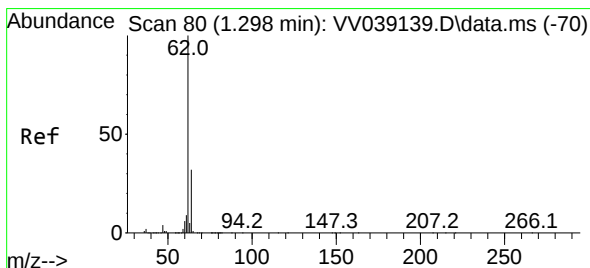
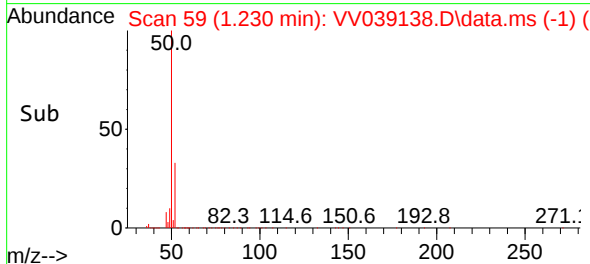
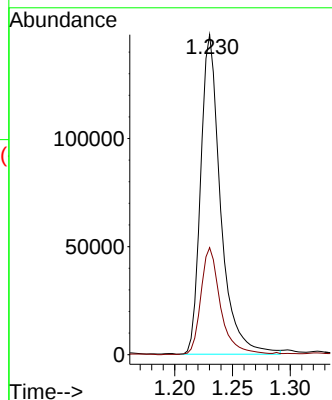
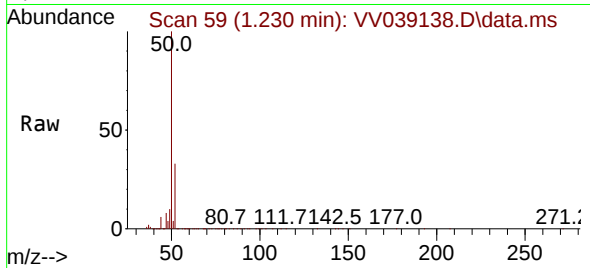




#3
Chloromethane
Concen: 19.159 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039138.D
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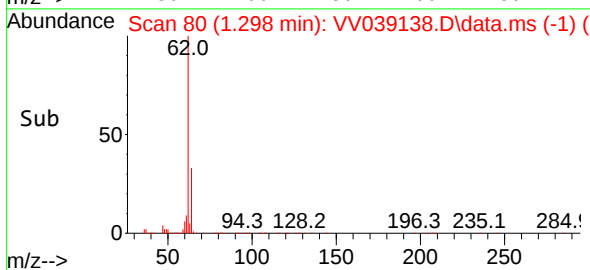
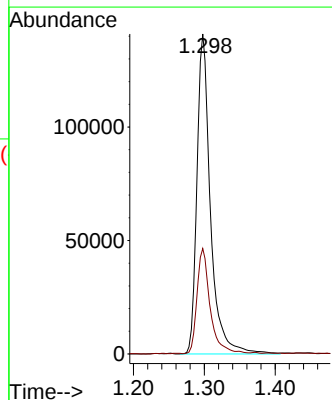
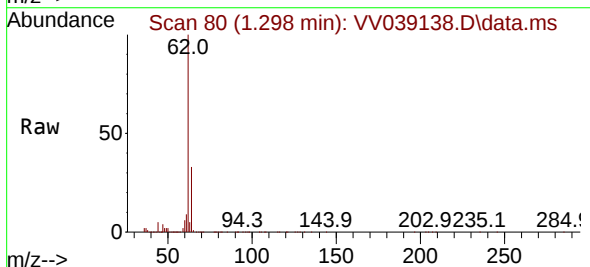
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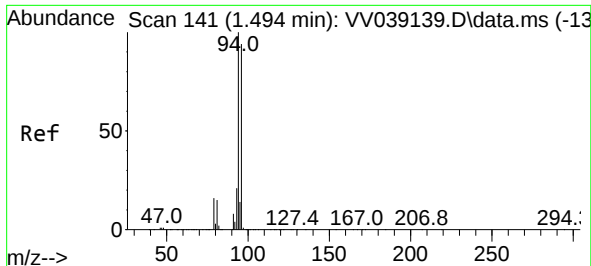
Tgt Ion: 50 Resp: 177694
Ion Ratio Lower Upper
50 100
52 33.3 26.0 39.0



#4
Vinyl Chloride
Concen: 18.822 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 62 Resp: 186887
Ion Ratio Lower Upper
62 100
64 32.8 25.6 38.4

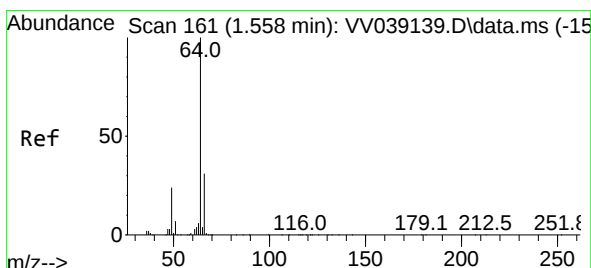
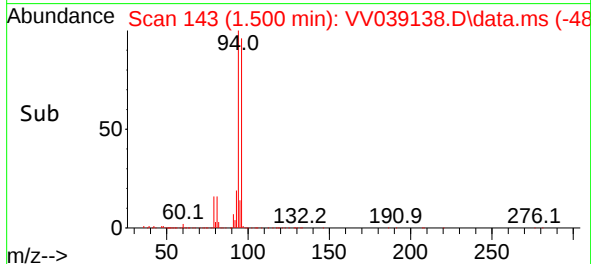
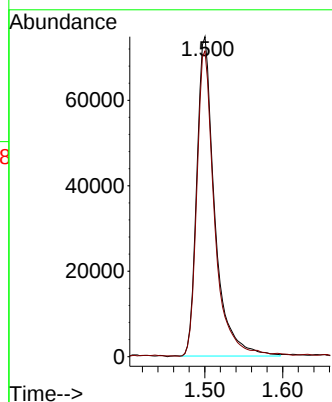
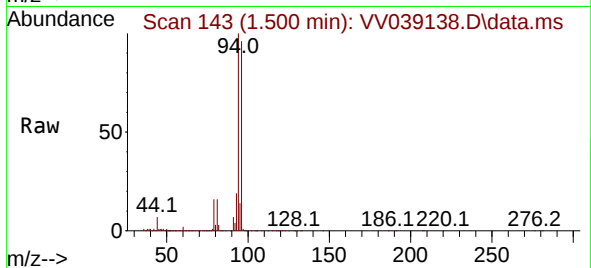




#5
Bromomethane
Concen: 19.104 ug/l
RT: 1.500 min Scan# 141
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

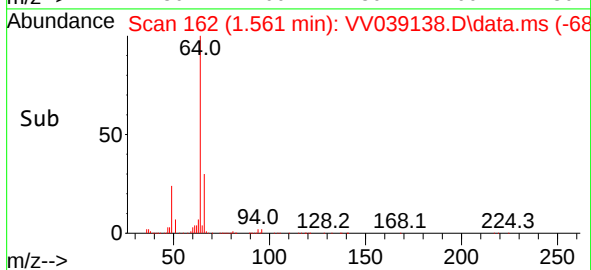
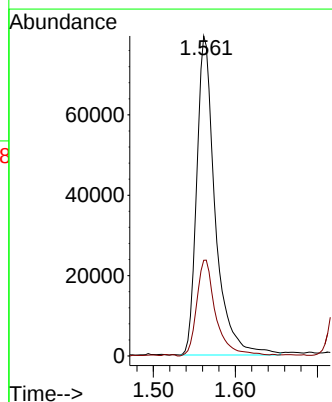
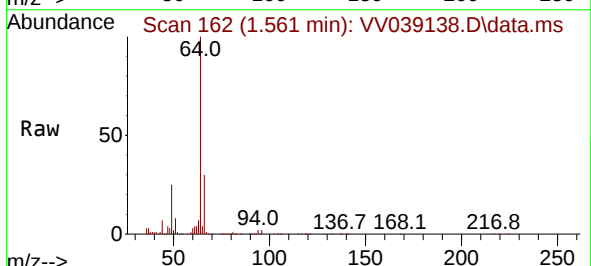
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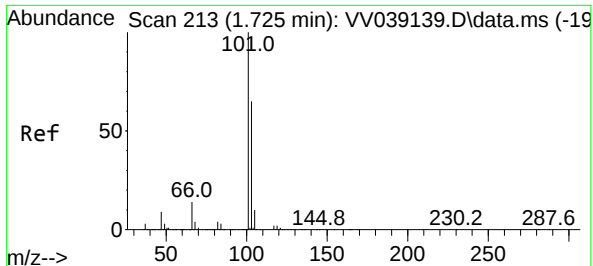
Tgt Ion: 94 Resp: 119578
Ion Ratio Lower Upper
94 100
96 95.6 74.9 112.3



#6
Chloroethane
Concen: 19.935 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 64 Resp: 124021
Ion Ratio Lower Upper
64 100
66 30.0 24.6 36.8

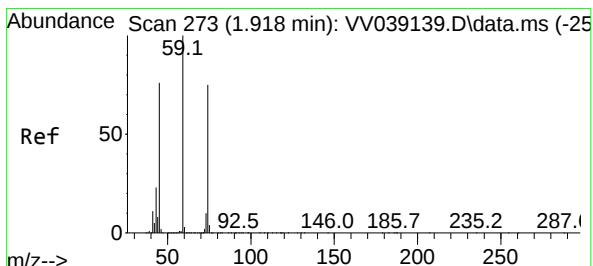
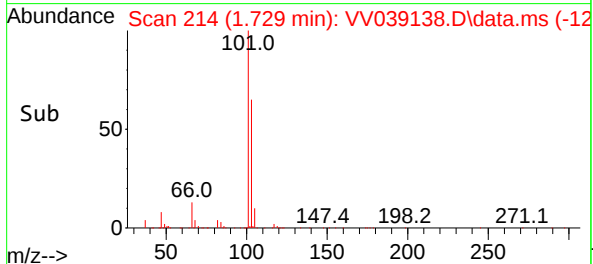
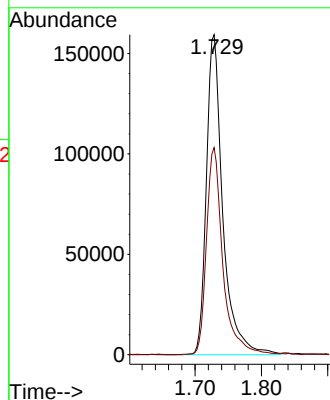
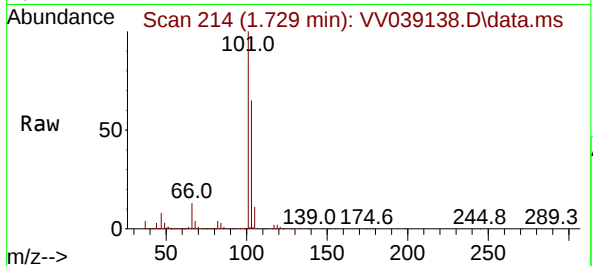




#7
Trichlorofluoromethane
Concen: 19.027 ug/l
RT: 1.729 min Scan# 213
Delta R.T. 0.003 min
Lab File: VV039138.D
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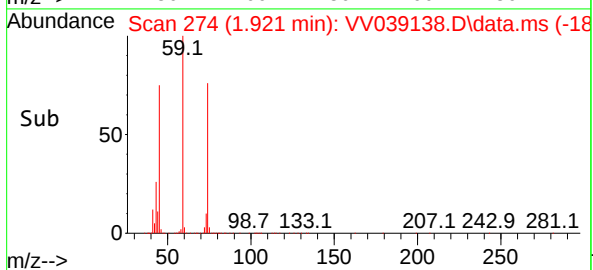
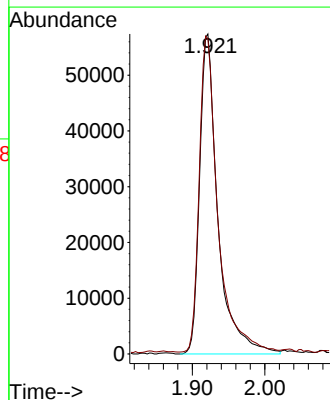
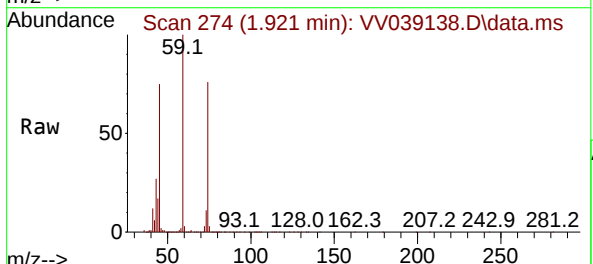
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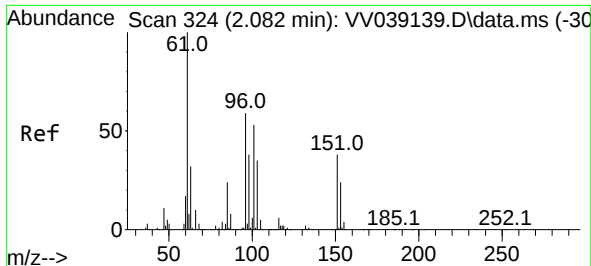
Tgt Ion:101 Resp: 273532
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0



#8
Diethyl Ether
Concen: 18.862 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039138.D
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Tgt Ion: 74 Resp: 100661
Ion Ratio Lower Upper
74 100
45 100.4 49.6 148.8

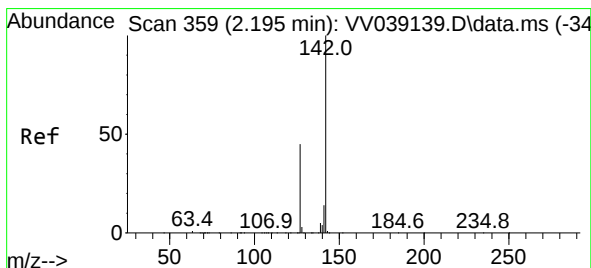
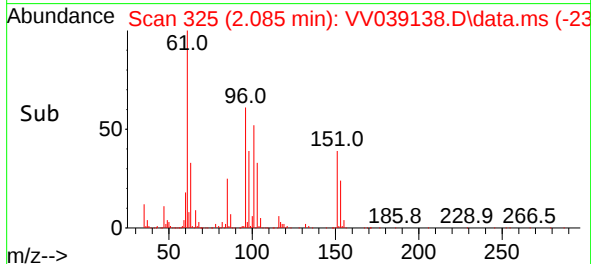
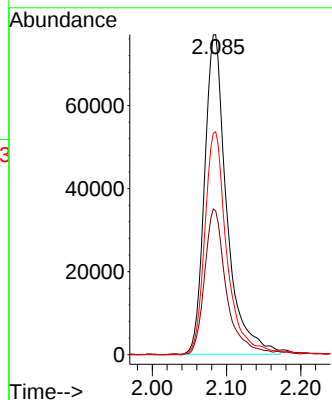
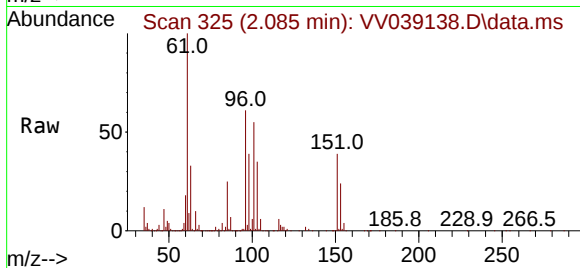




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.673 ug/l
RT: 2.085 min Scan# 31
Delta R.T. 0.003 min
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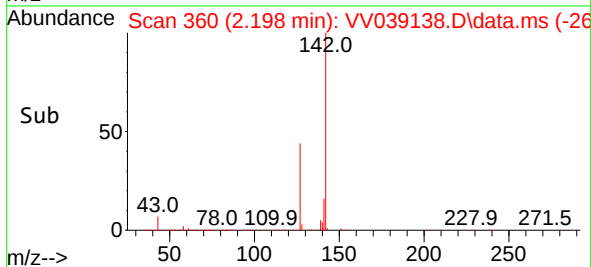
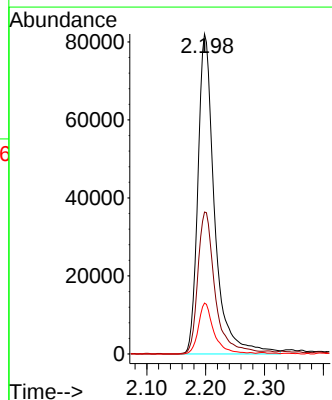
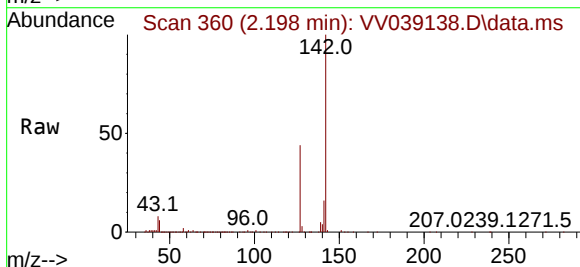
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

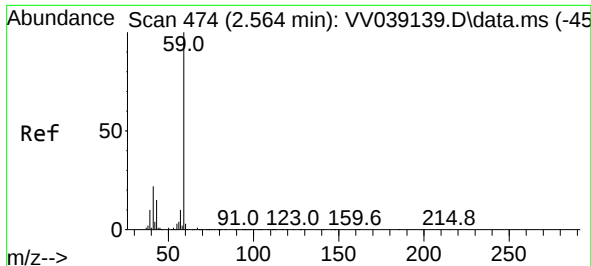
Tgt Ion:101 Resp: 159719
Ion Ratio Lower Upper
101 100
85 44.7 36.2 54.2
151 69.8 56.3 84.5



#10
Methyl Iodide
Concen: 19.880 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion:142 Resp: 161932
Ion Ratio Lower Upper
142 100
127 46.1 36.3 54.5
141 14.8 11.2 16.8

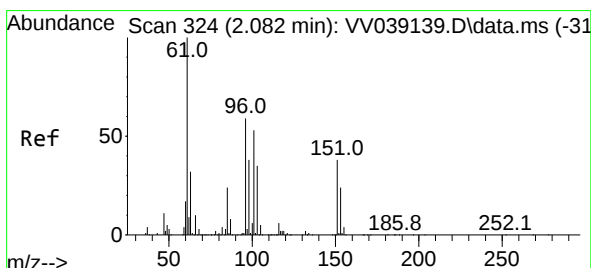
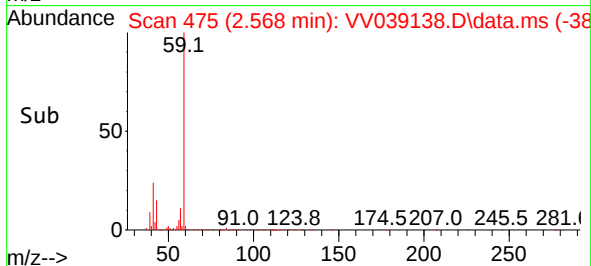
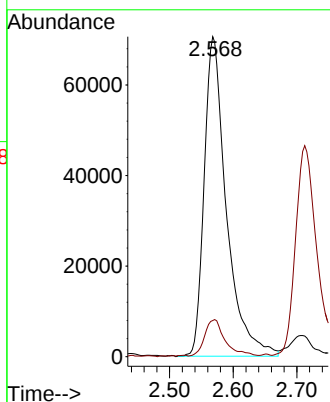
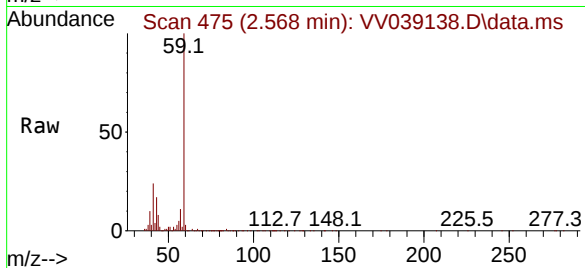




#11
Tert butyl alcohol
Concen: 102.509 ug/l
RT: 2.568 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

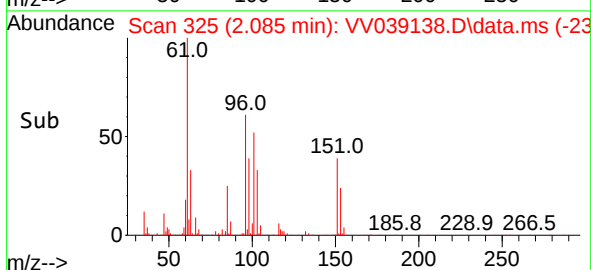
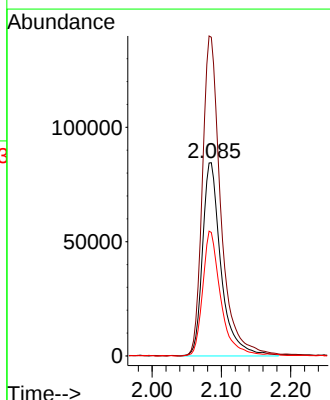
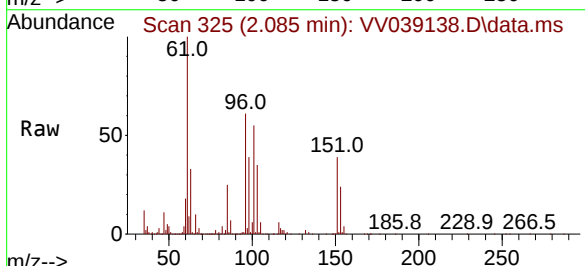
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

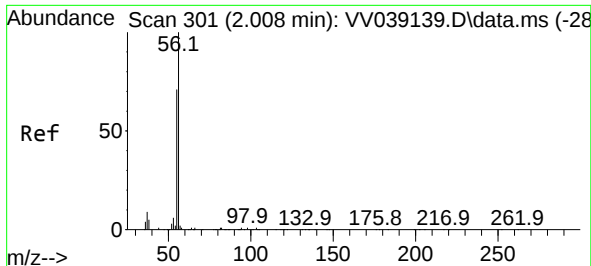
Tgt Ion: 59 Resp: 171137
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 19.131 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 96 Resp: 157427
Ion Ratio Lower Upper
96 100
61 164.7 136.0 204.0
98 63.9 51.0 76.6

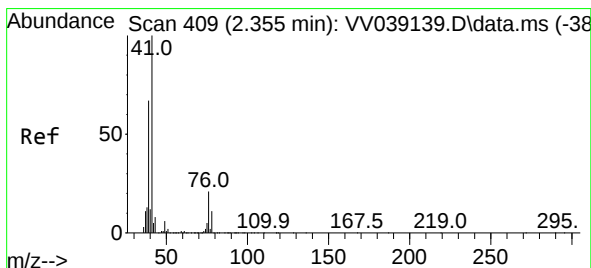
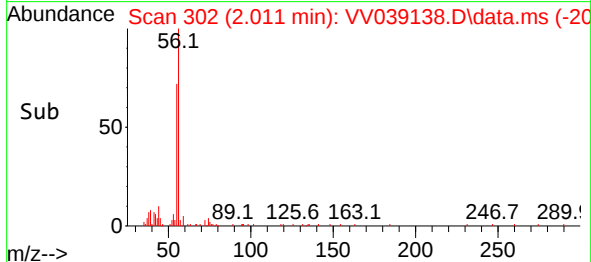
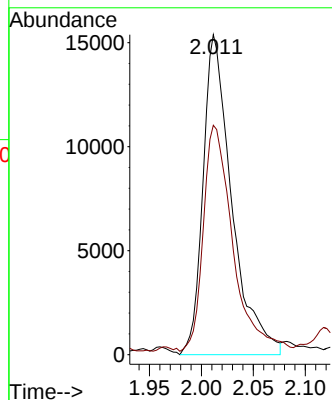
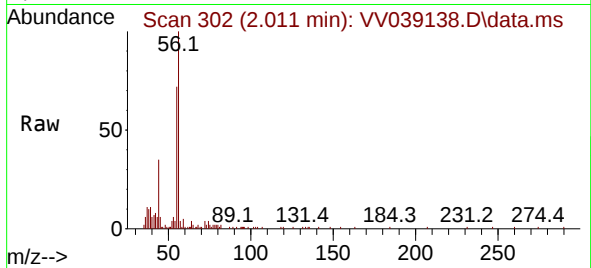




#13
Acrolein
Concen: 102.210 ug/l
RT: 2.011 min Scan# 301
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

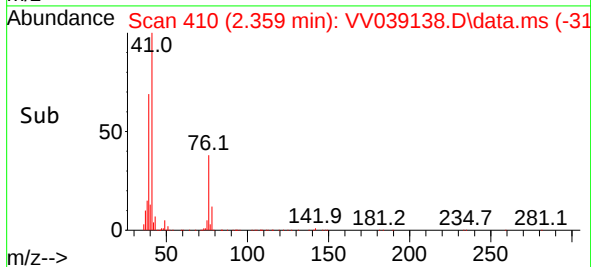
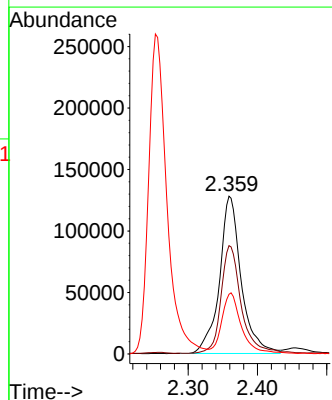
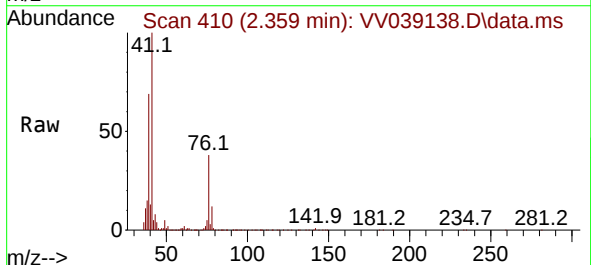
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

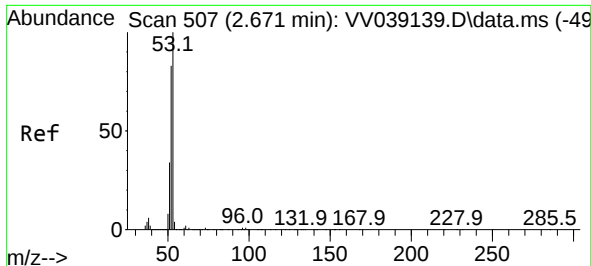
Tgt Ion: 56 Resp: 29609
Ion Ratio Lower Upper
56 100
55 72.5 56.2 84.4



#14
Allyl chloride
Concen: 19.062 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 41 Resp: 280200
Ion Ratio Lower Upper
41 100
39 63.6 51.0 76.6
76 34.5 28.2 42.4

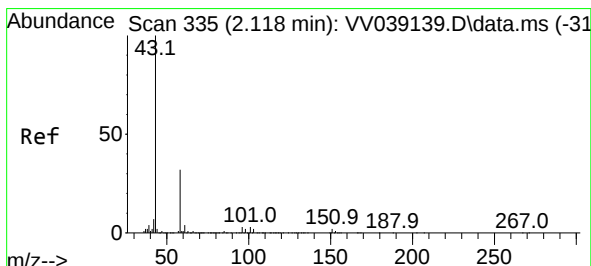
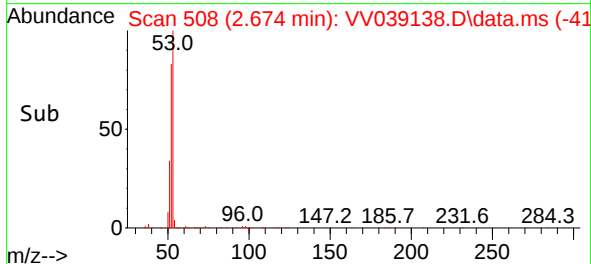
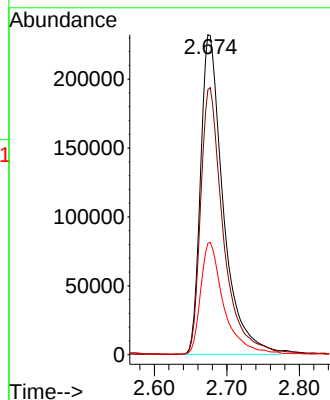
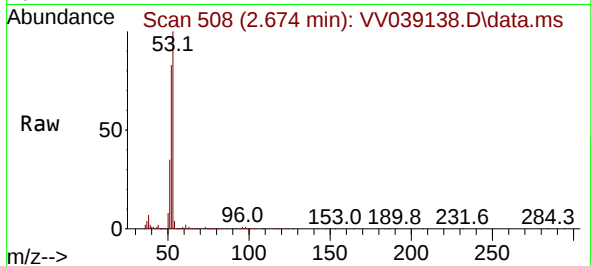




#15
Acrylonitrile
Concen: 94.179 ug/l
RT: 2.674 min Scan# 507
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

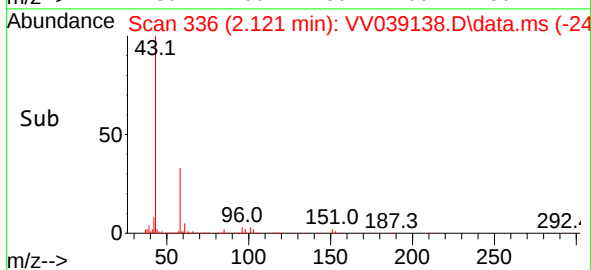
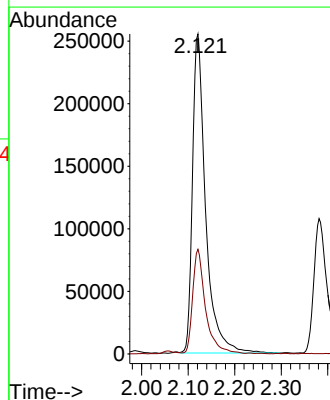
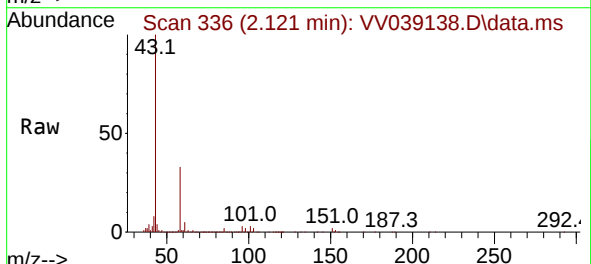
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

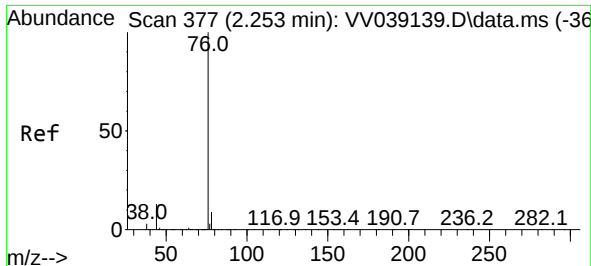
Tgt Ion: 53 Resp: 504022
Ion Ratio Lower Upper
53 100
52 83.5 66.1 99.1
51 35.7 28.5 42.7



#16
Acetone
Concen: 95.756 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 43 Resp: 499669
Ion Ratio Lower Upper
43 100
58 32.7 25.8 38.6

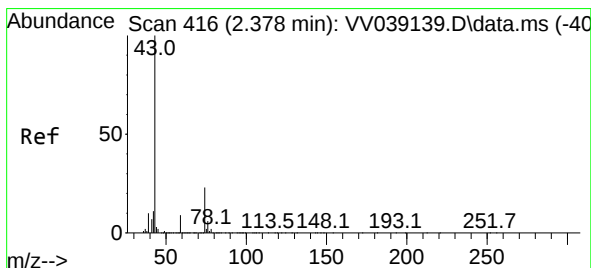
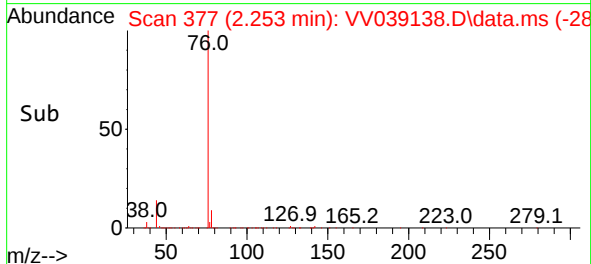
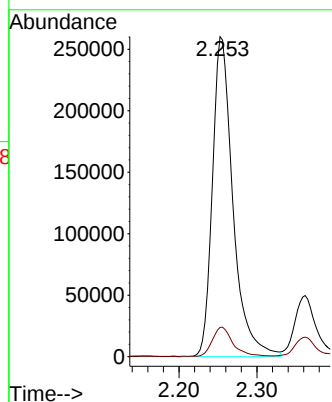
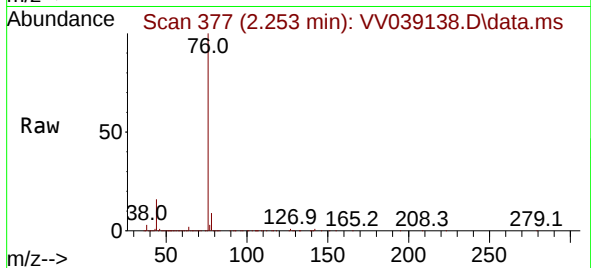




#17
Carbon Disulfide
Concen: 18.923 ug/l
RT: 2.253 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

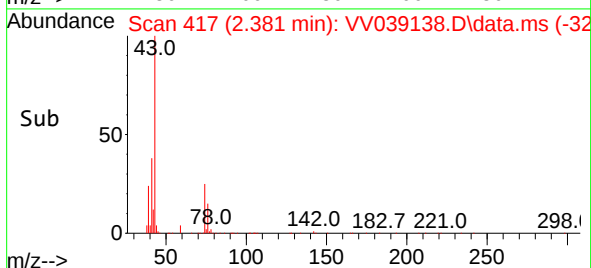
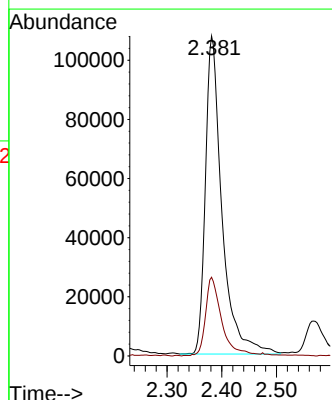
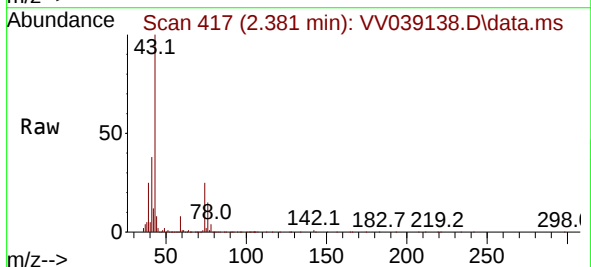
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

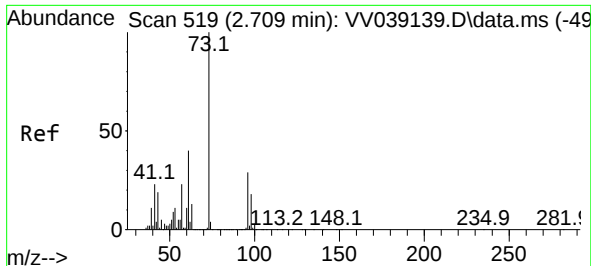
Tgt Ion: 76 Resp: 476229
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 19.328 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 43 Resp: 226208
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8

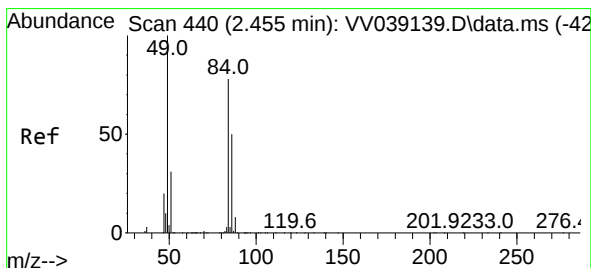
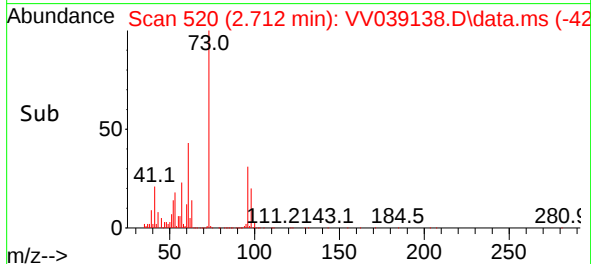
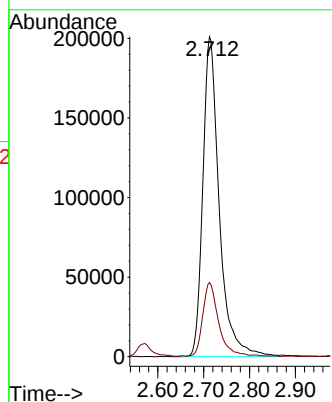
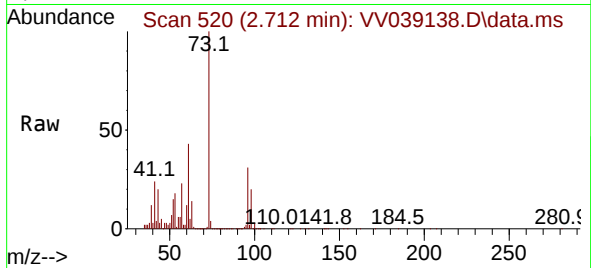




#19
Methyl tert-butyl Ether
Concen: 19.027 ug/l
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

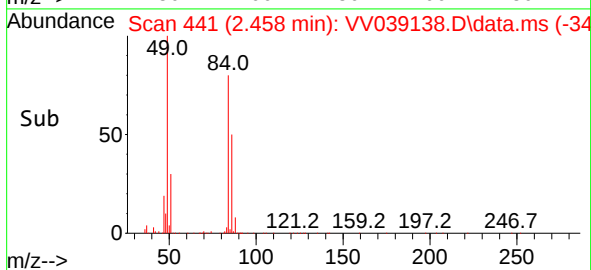
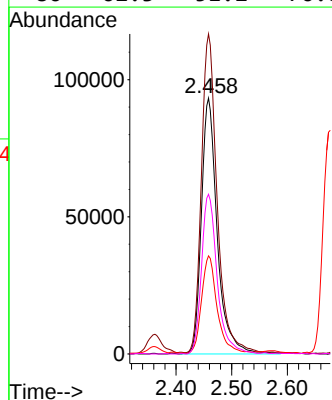
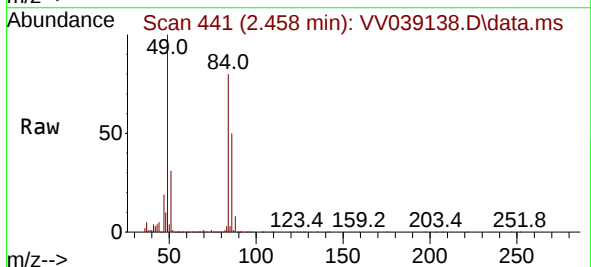
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 498918
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4



#20
Methylene Chloride
Concen: 20.143 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 84 Resp: 185050
Ion Ratio Lower Upper
84 100
49 124.6 102.8 154.2
51 38.0 31.9 47.9
86 62.3 51.2 76.8

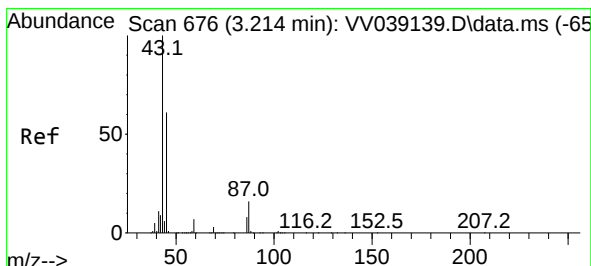
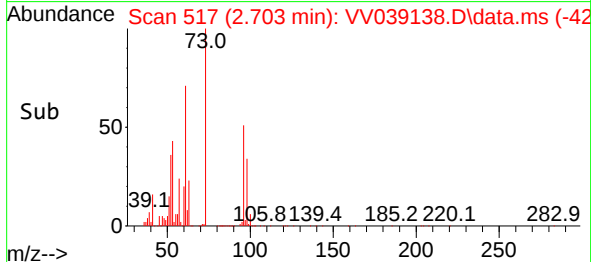
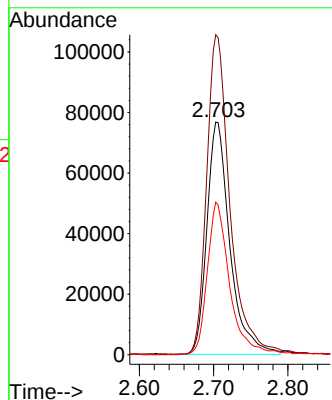
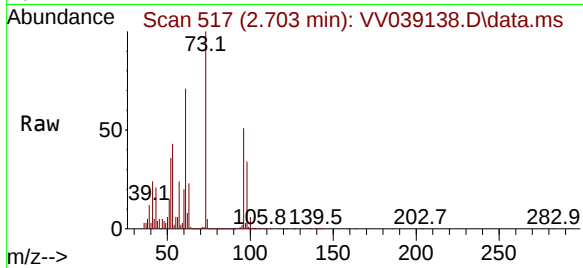




#21
trans-1,2-Dichloroethene
Concen: 18.823 ug/l
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

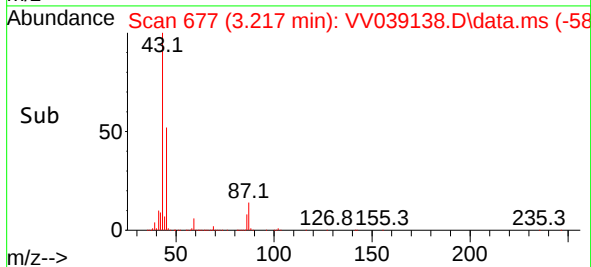
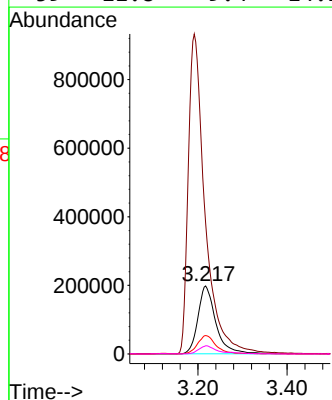
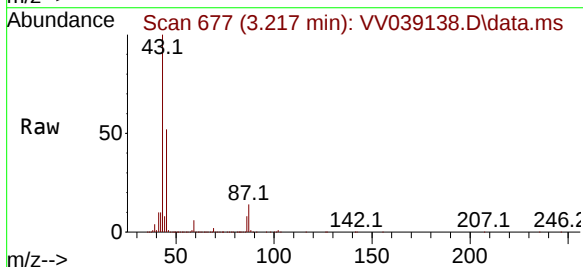
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 164898
Ion Ratio Lower Upper
96 100
61 137.4 112.8 169.2
98 65.4 51.1 76.7



#22
Diisopropyl ether
Concen: 19.640 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 45 Resp: 552331
Ion Ratio Lower Upper
45 100
43 191.3 130.9 196.3
87 27.0 21.1 31.7
59 11.8 9.4 14.2

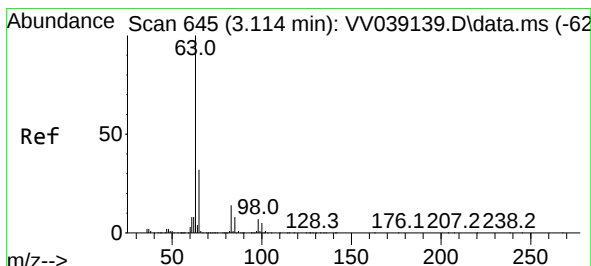
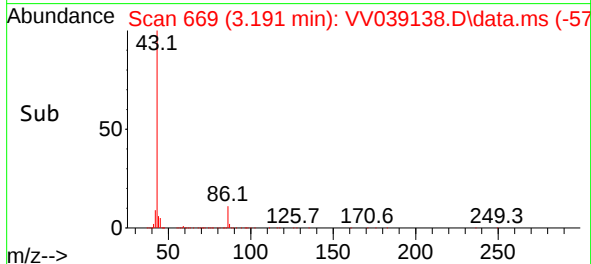
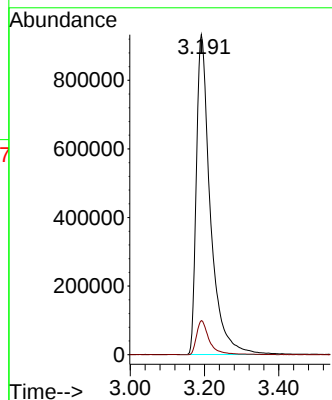
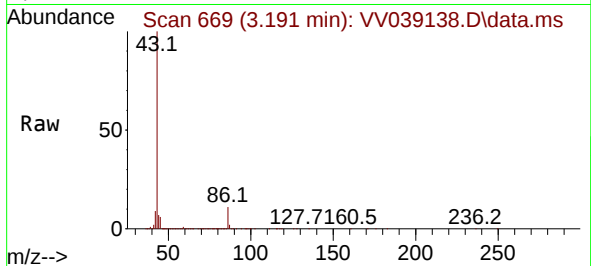




#23
 Vinyl Acetate
 Concen: 99.414 ug/l
 RT: 3.191 min Scan# 60
 Delta R.T. 0.006 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

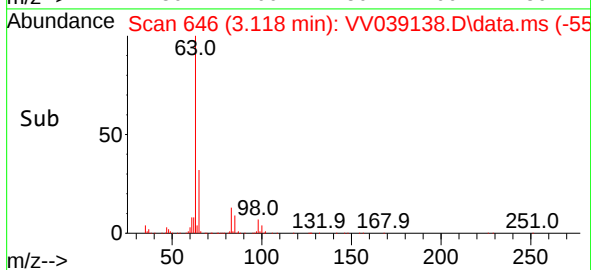
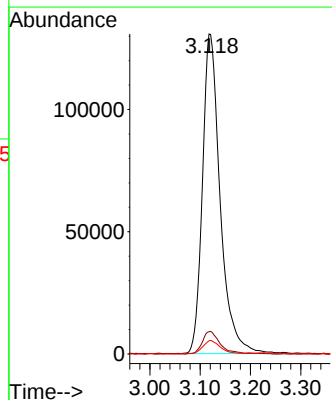
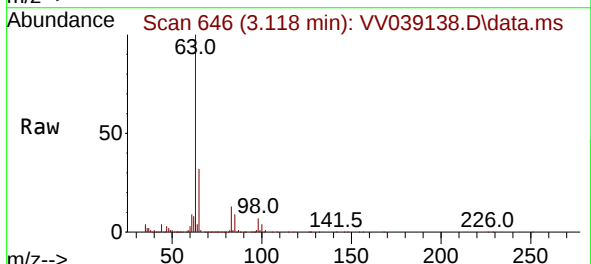
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

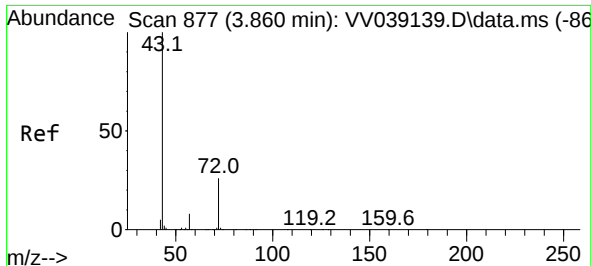
Tgt Ion: 43 Resp: 2445787
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 18.615 ug/l
 RT: 3.118 min Scan# 646
 Delta R.T. 0.003 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

Tgt Ion: 63 Resp: 320146
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.1 2.2 6.6

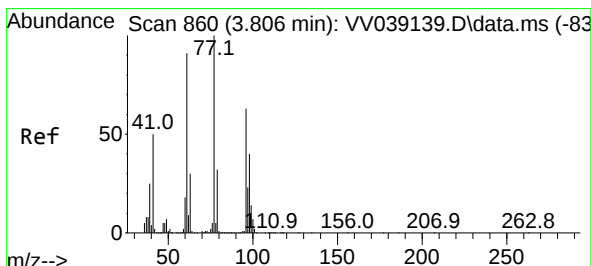
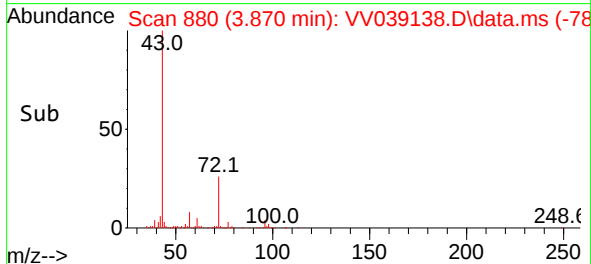
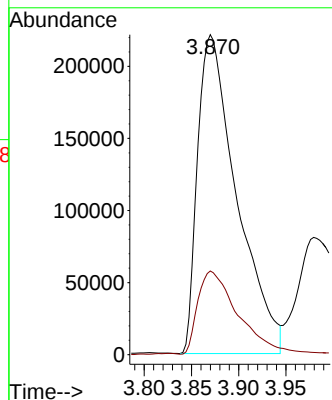
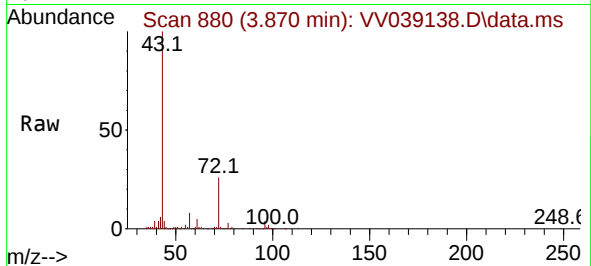




#25
2-Butanone
Concen: 102.519 ug/l
RT: 3.870 min Scan# 81
Delta R.T. 0.010 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

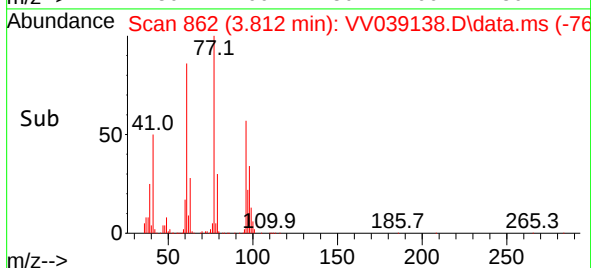
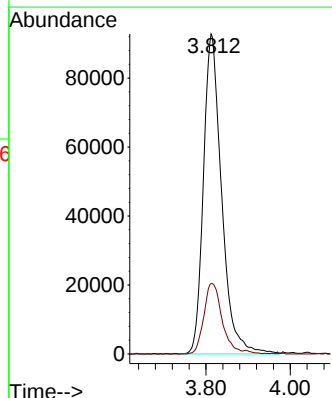
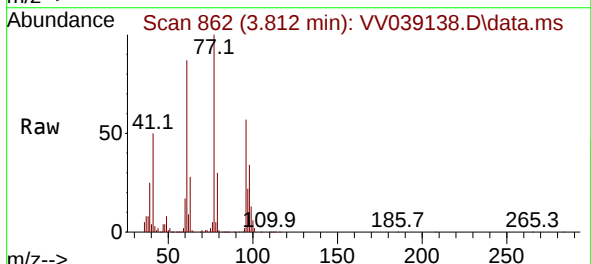
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 637413
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.6



#26
2,2-Dichloropropane
Concen: 18.326 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 77 Resp: 278362
Ion Ratio Lower Upper
77 100
97 21.9 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 19.031 ug/l

RT: 3.822 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

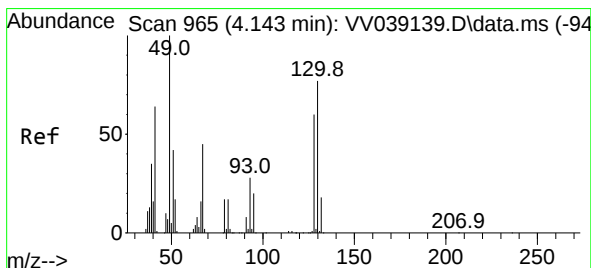
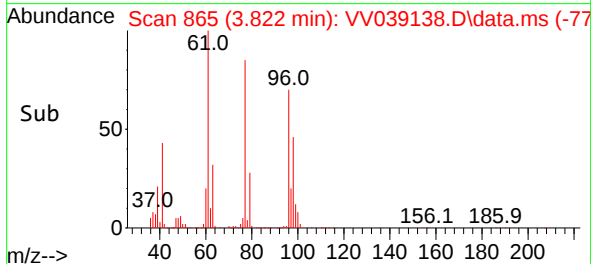
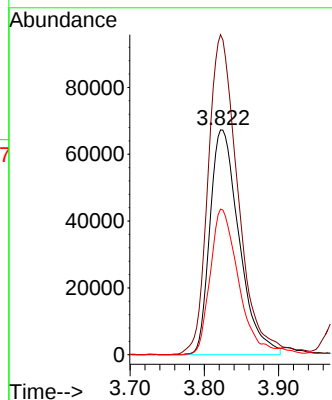
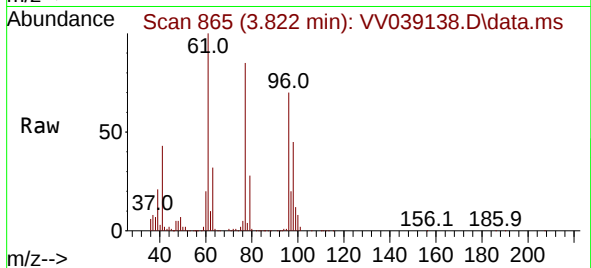
Tgt Ion: 96 Resp: 183867

Ion Ratio Lower Upper

96 100

61 146.5 0.0 286.4

98 63.8 0.0 126.6



#28

Bromochloromethane

Concen: 21.654 ug/l

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

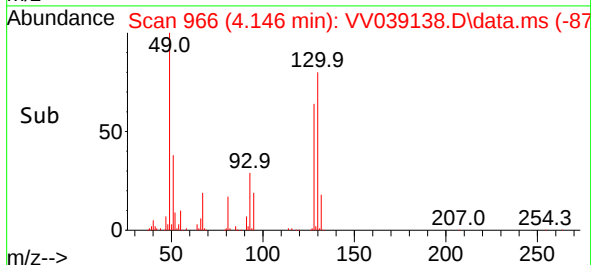
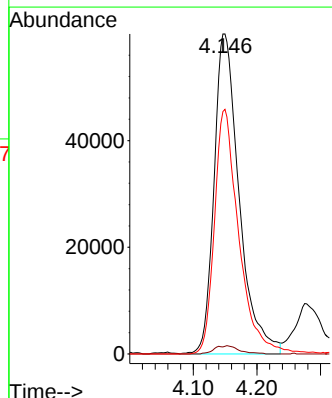
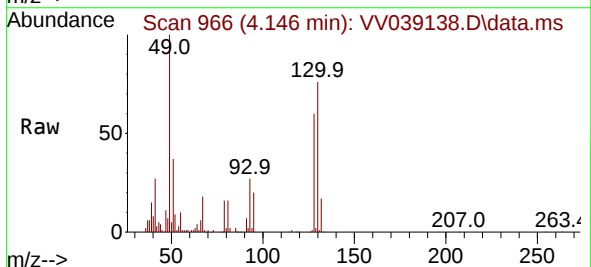
Tgt Ion: 49 Resp: 164406

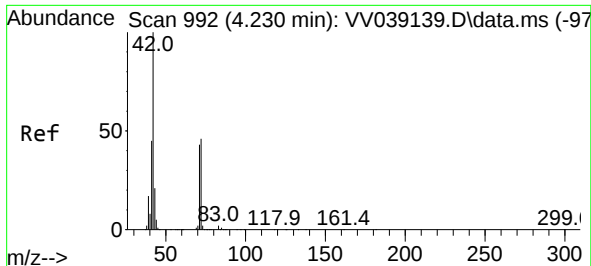
Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

130 74.3 60.2 90.2





#29

Tetrahydrofuran

Concen: 102.491 ug/l

RT: 4.240 min Scan# 992

Delta R.T. 0.010 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

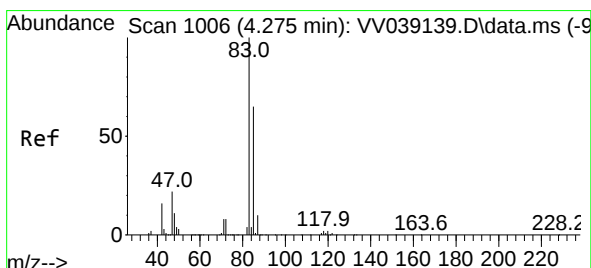
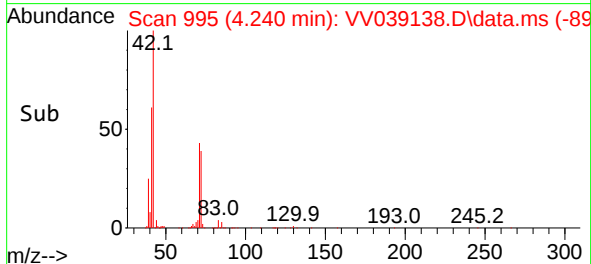
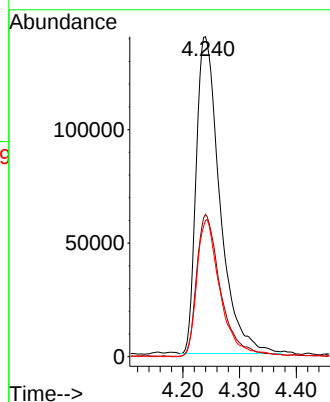
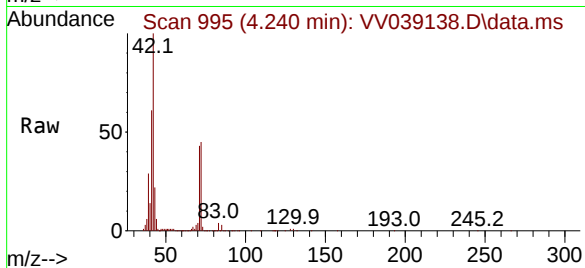
Tgt Ion: 42 Resp: 405777

Ion Ratio Lower Upper

42 100

72 45.2 36.3 54.5

71 42.2 34.3 51.5



#30

Chloroform

Concen: 19.083 ug/l

RT: 4.281 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VV039138.D

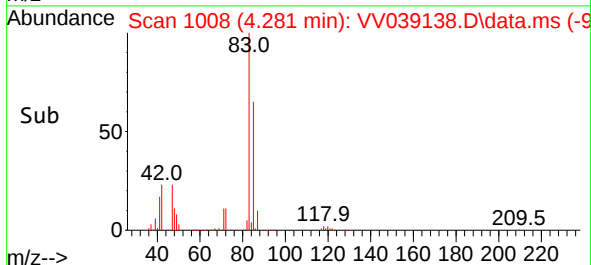
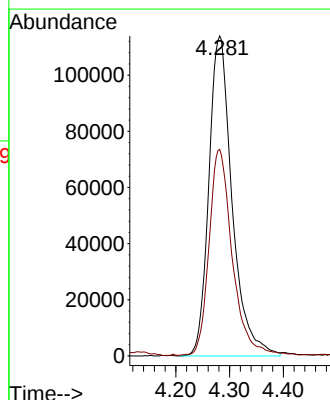
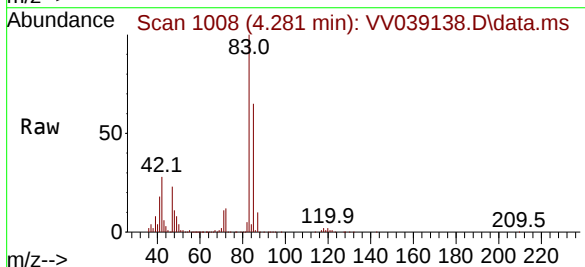
Acq: 22 Sep 2025 12:48

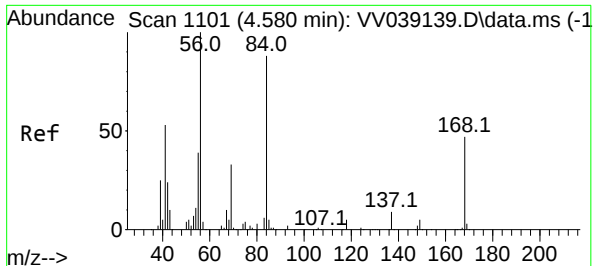
Tgt Ion: 83 Resp: 342700

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1





#31

Cyclohexane

Concen: 18.934 ug/l

RT: 4.587 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

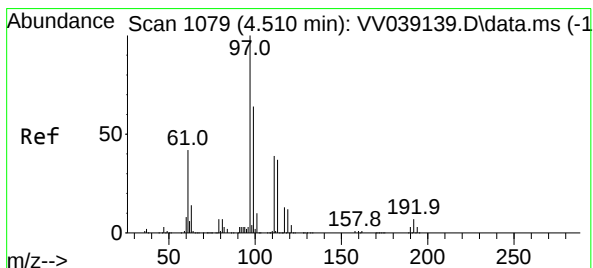
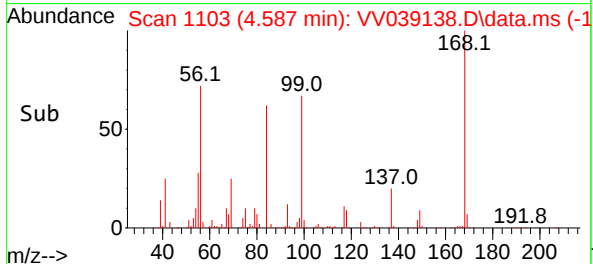
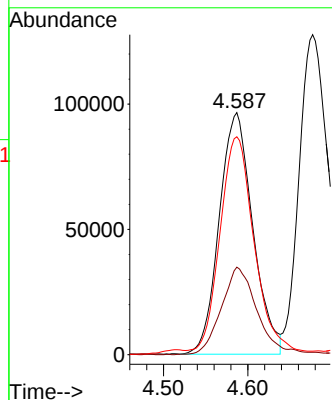
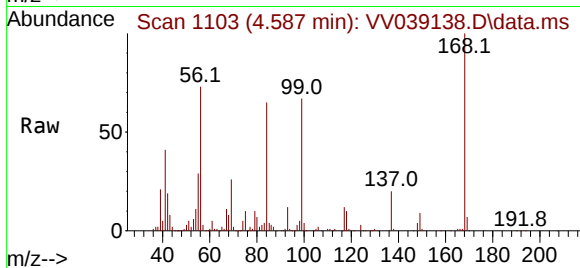
Tgt Ion: 56 Resp: 266753

Ion Ratio Lower Upper

56 100

69 36.0 26.2 39.2

84 88.2 70.3 105.5



#32

1,1,1-Trichloroethane

Concen: 18.546 ug/l

RT: 4.516 min Scan# 1081

Delta R.T. 0.007 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

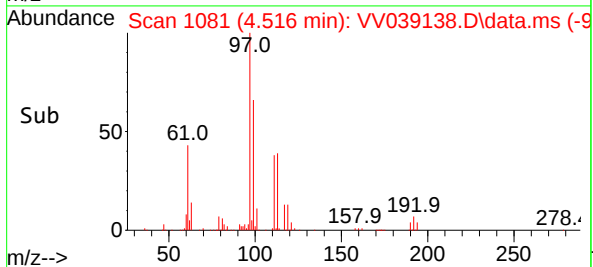
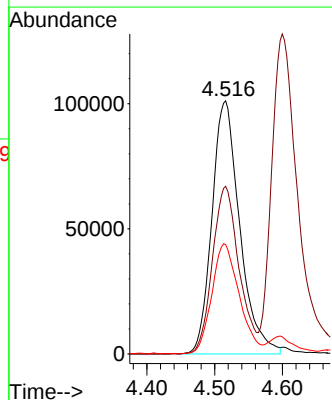
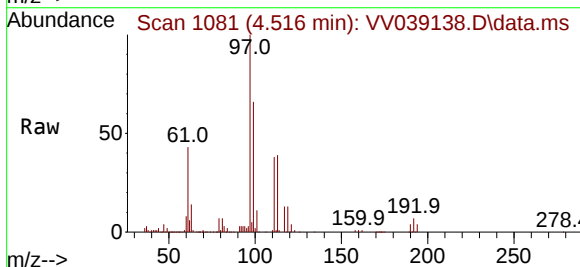
Tgt Ion: 97 Resp: 288341

Ion Ratio Lower Upper

97 100

99 63.5 49.6 74.4

61 43.1 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 18.317 ug/l

RT: 4.947 min Scan# 1215

Delta R.T. 0.010 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

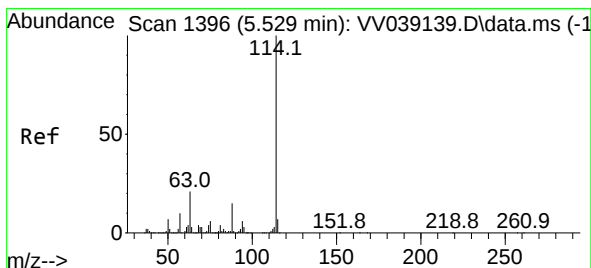
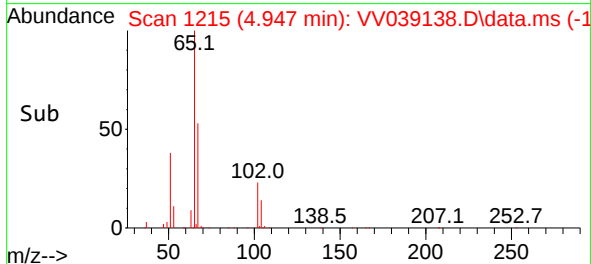
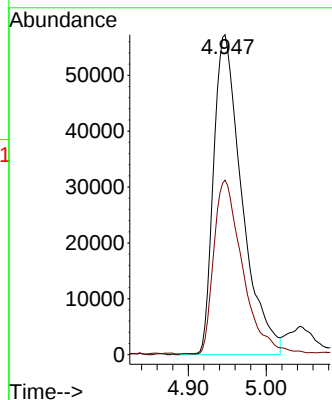
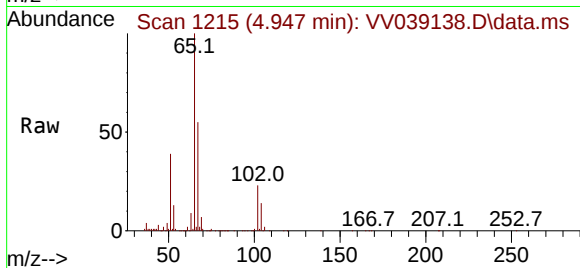
VSTDICC020

Tgt Ion: 65 Resp: 144689

Ion Ratio Lower Upper

65 100

67 55.2 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

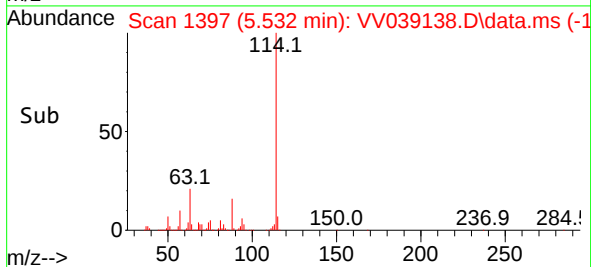
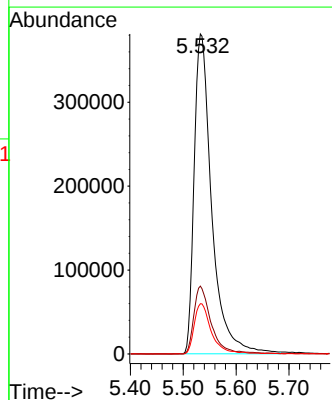
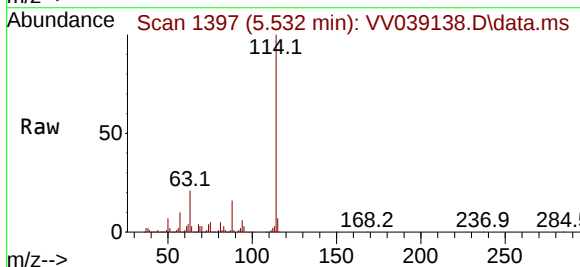
Tgt Ion: 114 Resp: 880963

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.7 0.0 30.8

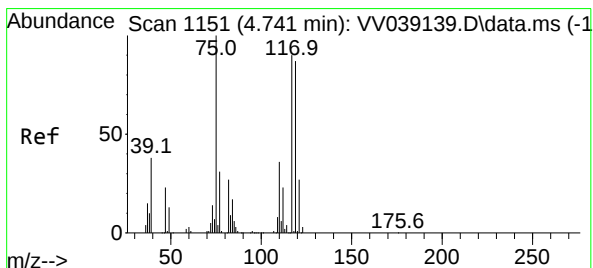
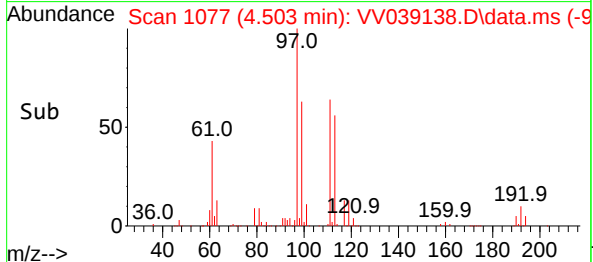
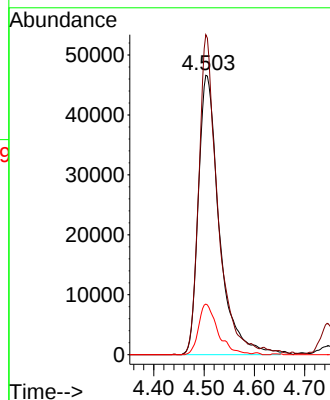
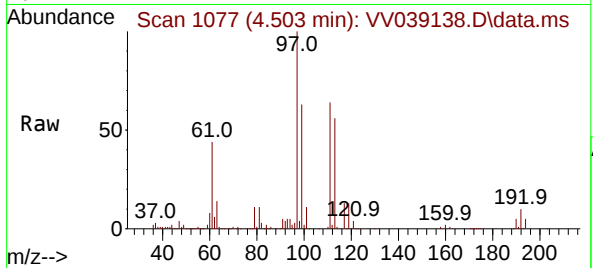




#35
Dibromofluoromethane
Concen: 19.014 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

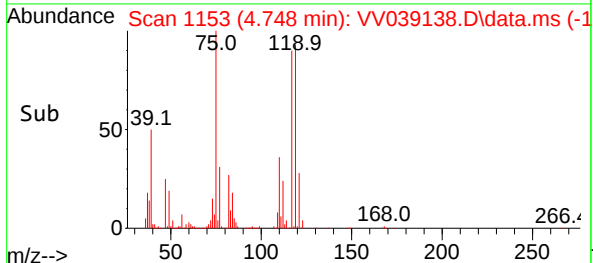
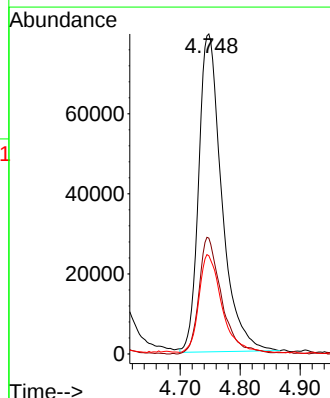
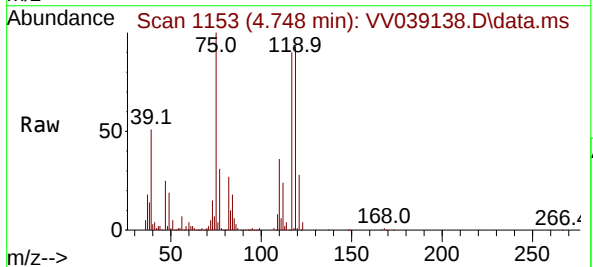
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

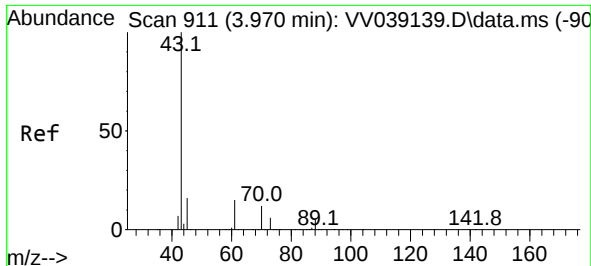
Tgt Ion:113 Resp: 134662
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 16.7 13.8 20.8



#36
1,1-Dichloropropene
Concen: 19.734 ug/l
RT: 4.748 min Scan# 1153
Delta R.T. 0.007 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 75 Resp: 212835
Ion Ratio Lower Upper
75 100
110 36.0 18.1 54.1
77 30.3 24.8 37.2





#37

Ethyl Acetate

Concen: 19.696 ug/l

RT: 3.979 min Scan# 911

Delta R.T. 0.009 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

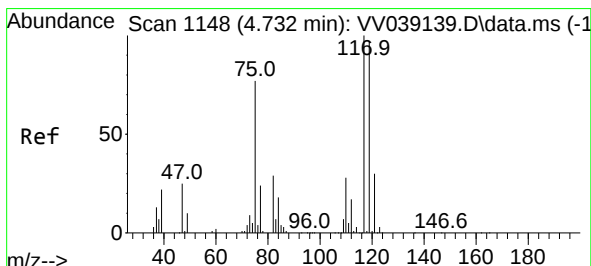
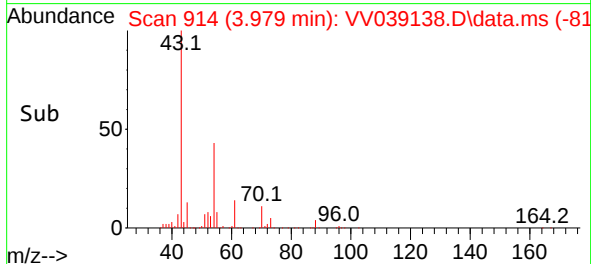
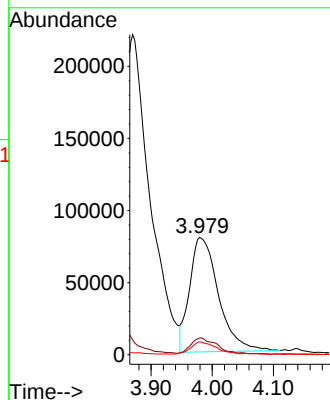
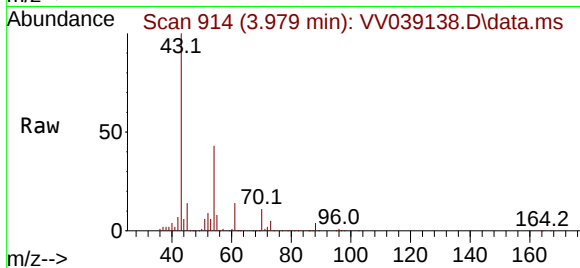
Tgt Ion: 43 Resp: 260591

Ion Ratio Lower Upper

43 100

61 11.3 10.3 15.5

70 9.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 19.252 ug/l

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

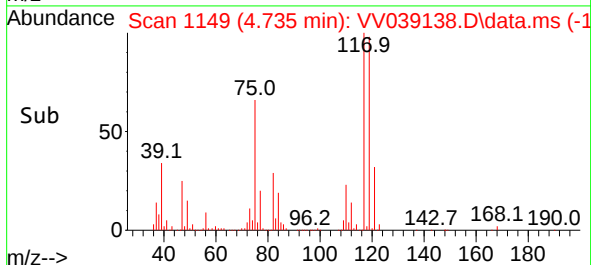
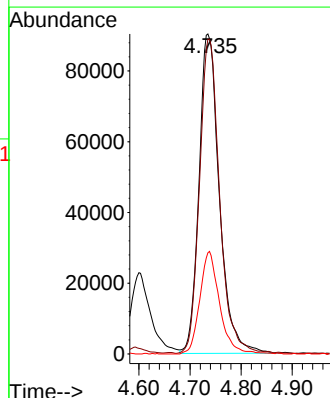
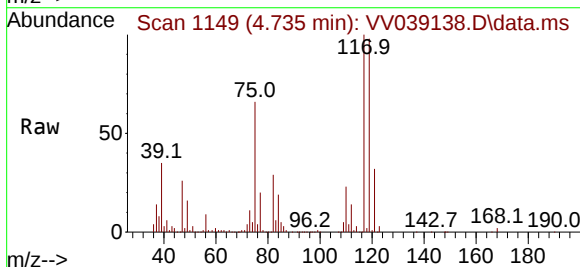
Tgt Ion: 117 Resp: 250103

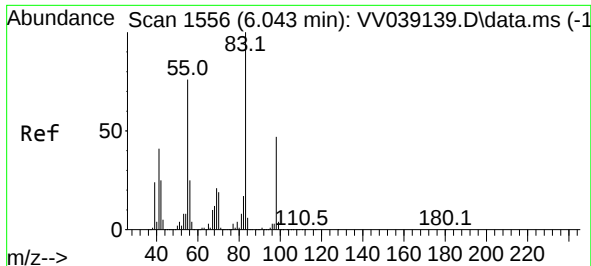
Ion Ratio Lower Upper

117 100

119 98.1 77.2 115.8

121 31.7 24.2 36.2





#39

Methylcyclohexane

Concen: 19.619 ug/l

RT: 6.047 min Scan# 11

Delta R.T. 0.004 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

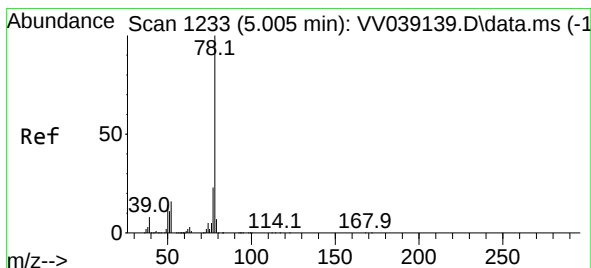
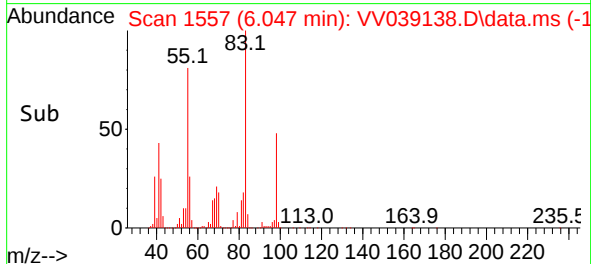
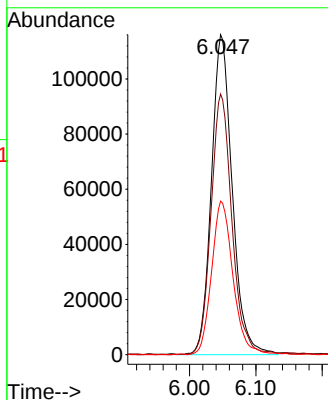
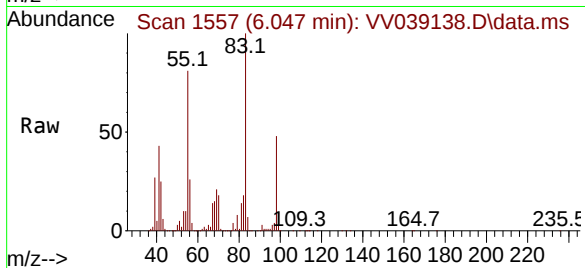
Tgt Ion: 83 Resp: 253693

Ion Ratio Lower Upper

83 100

55 81.4 60.5 90.7

98 48.0 37.8 56.6



#40

Benzene

Concen: 19.994 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.006 min

Lab File: VV039138.D

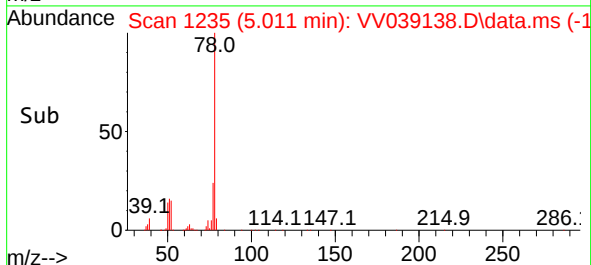
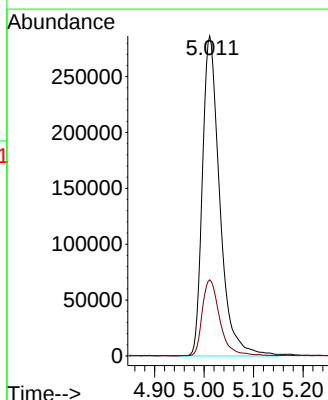
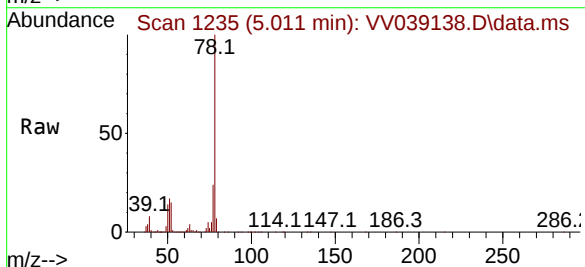
Acq: 22 Sep 2025 12:48

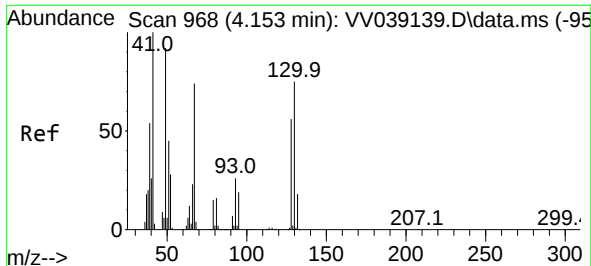
Tgt Ion: 78 Resp: 697141

Ion Ratio Lower Upper

78 100

77 23.7 18.7 28.1

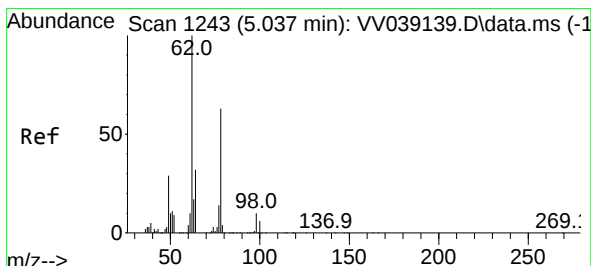
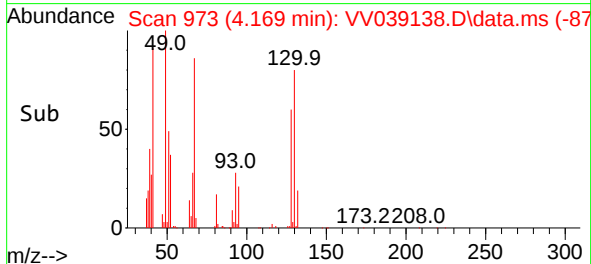
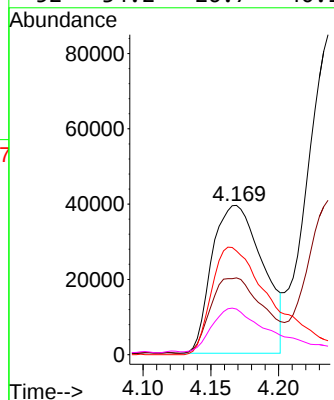
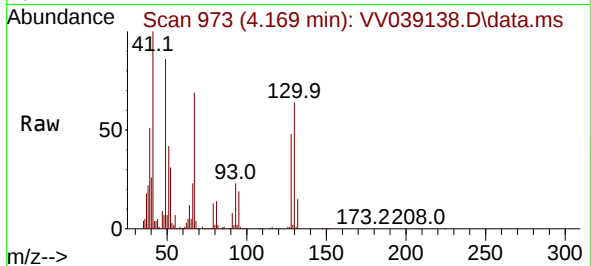




#41
Methacrylonitrile
Concen: 18.721 ug/l
RT: 4.169 min Scan# 91
Delta R.T. 0.016 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

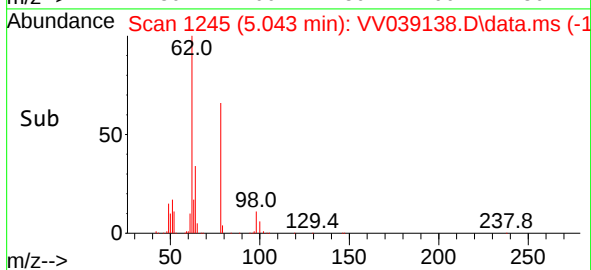
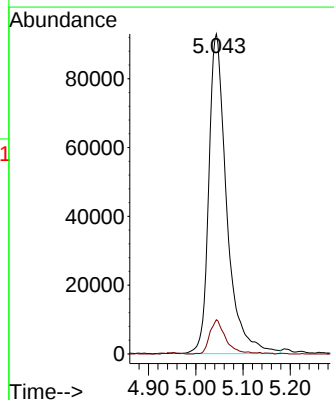
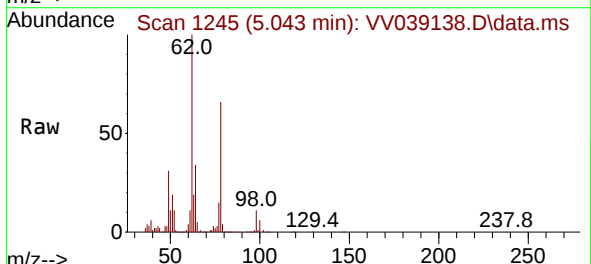
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 102755
Ion Ratio Lower Upper
41 100
39 53.8 42.2 63.2
67 92.1 67.9 101.9
52 34.2 26.7 40.1



#42
1,2-Dichloroethane
Concen: 20.012 ug/l
RT: 5.043 min Scan# 1245
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 62 Resp: 244487
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.2

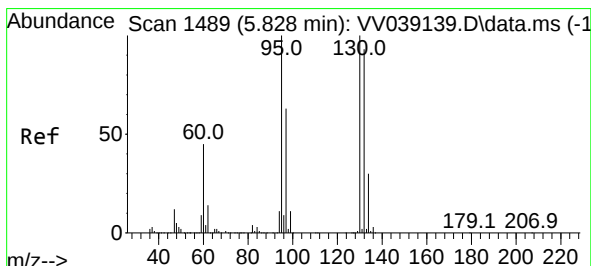
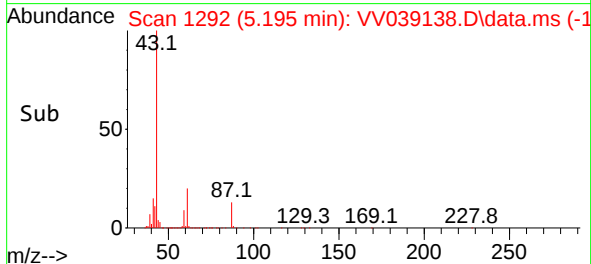
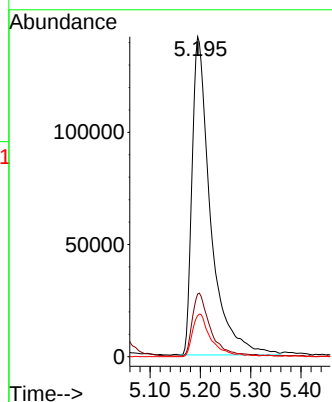
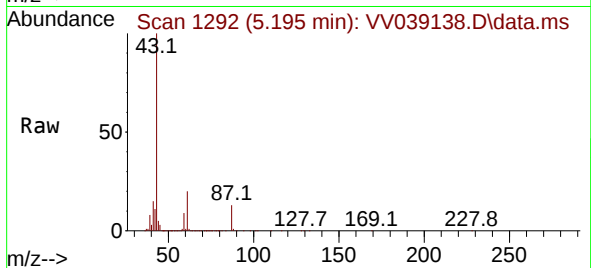




#43
Isopropyl Acetate
Concen: 19.889 ug/l
RT: 5.195 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

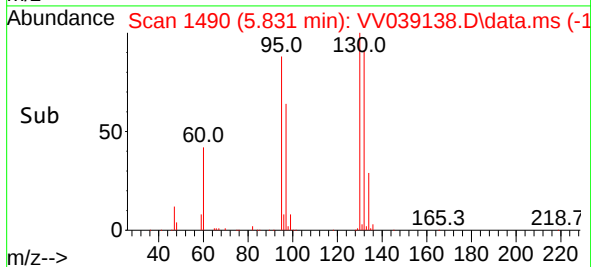
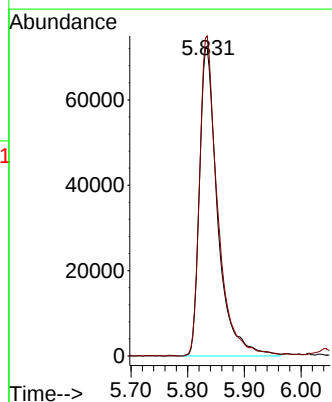
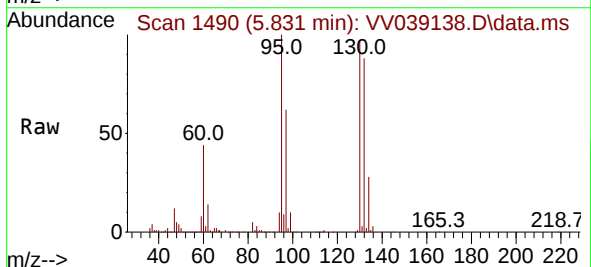
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

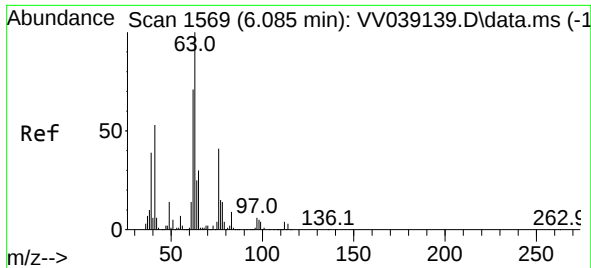
Tgt Ion: 43 Resp: 362512
Ion Ratio Lower Upper
43 100
61 19.1 15.9 23.9
87 12.9 11.0 16.6



#44
Trichloroethene
Concen: 19.972 ug/l
RT: 5.831 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion:130 Resp: 160692
Ion Ratio Lower Upper
130 100
95 103.2 0.0 199.2





#45

1,2-Dichloropropane

Concen: 21.087 ug/l

RT: 6.092 min Scan# 1571

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

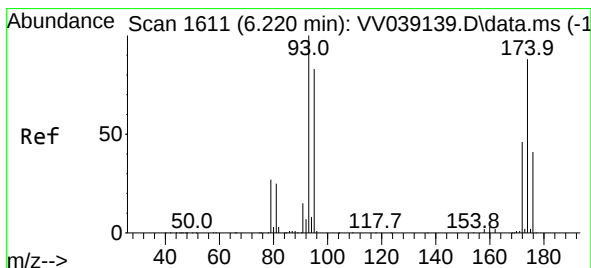
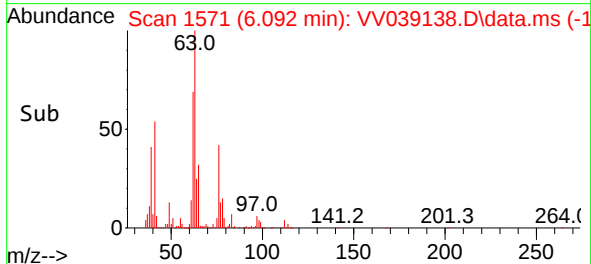
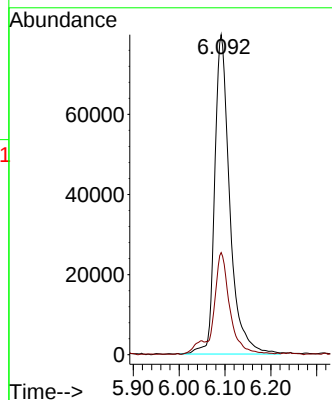
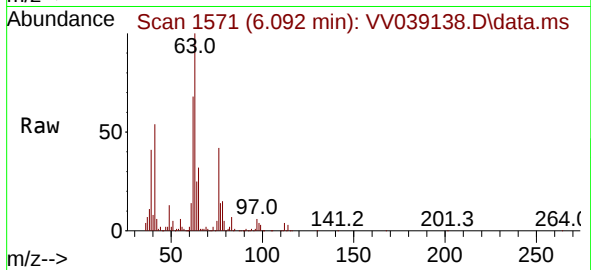
VSTDIC020

Tgt Ion: 63 Resp: 182757

Ion Ratio Lower Upper

63 100

65 31.8 23.7 35.5



#46

Dibromomethane

Concen: 19.495 ug/l

RT: 6.227 min Scan# 1613

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

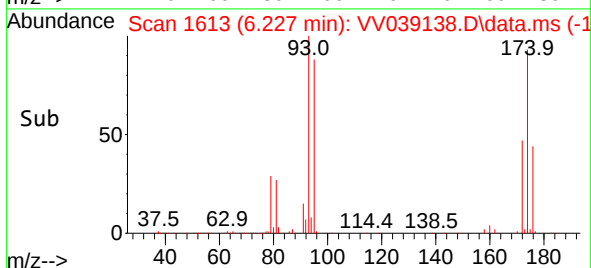
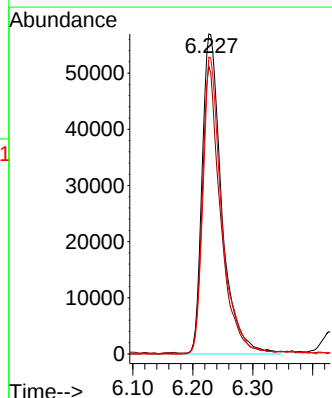
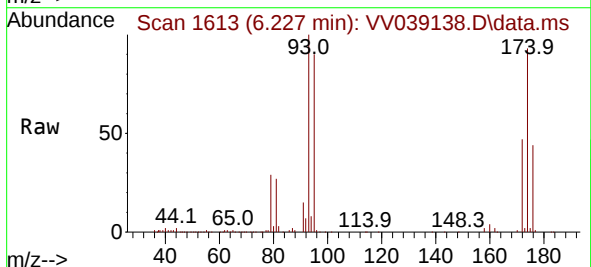
Tgt Ion: 93 Resp: 129319

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 88.9 69.0 103.4

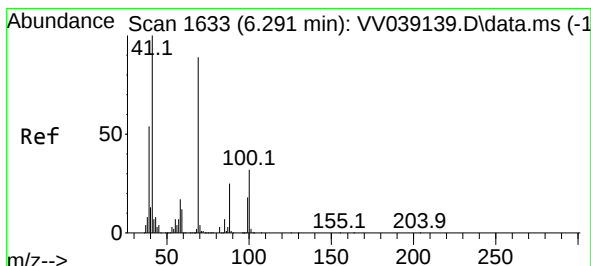
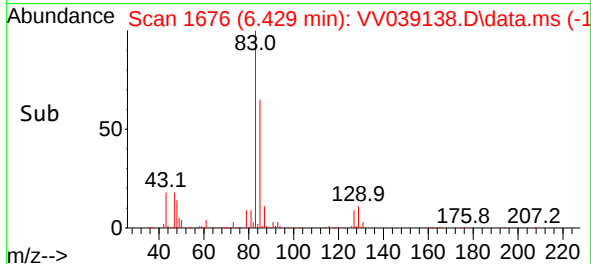
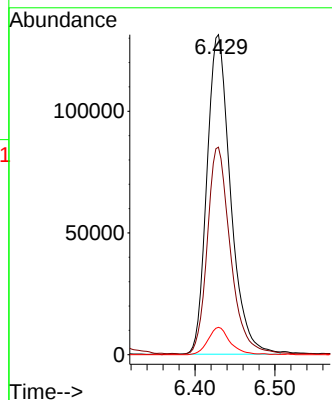
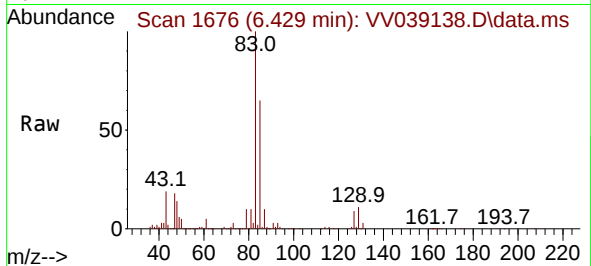




#47
Bromodichloromethane
Concen: 19.635 ug/l
RT: 6.429 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

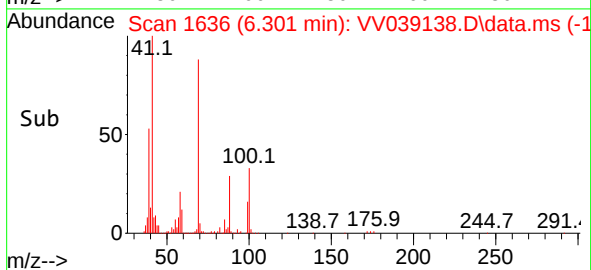
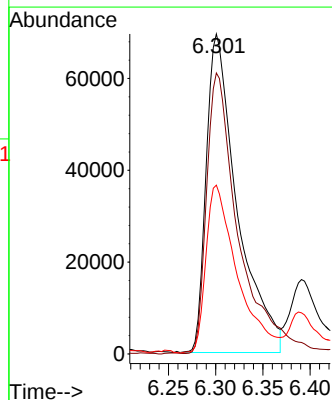
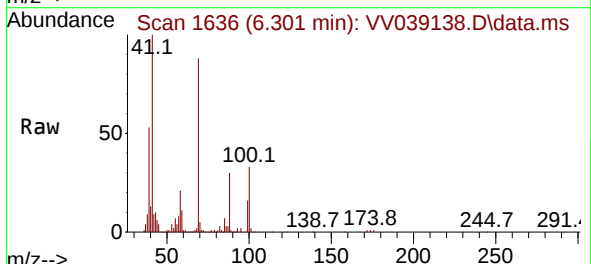
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

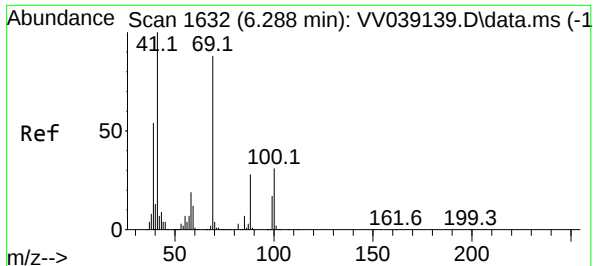
Tgt Ion: 83 Resp: 269262
Ion Ratio Lower Upper
83 100
85 64.7 49.7 74.5
127 8.6 6.6 9.8



#48
Methyl methacrylate
Concen: 18.977 ug/l
RT: 6.301 min Scan# 1636
Delta R.T. 0.010 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 41 Resp: 158251
Ion Ratio Lower Upper
41 100
69 91.6 72.4 108.6
39 53.4 42.5 63.7





#49

1,4-Dioxane

Concen: 365.172 ug/l

RT: 6.294 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

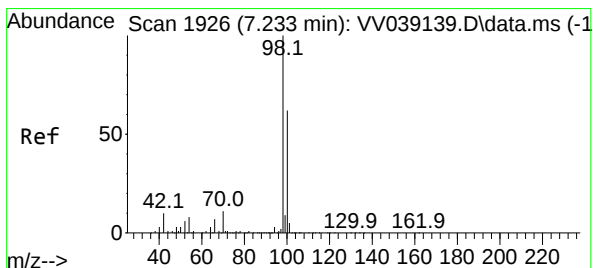
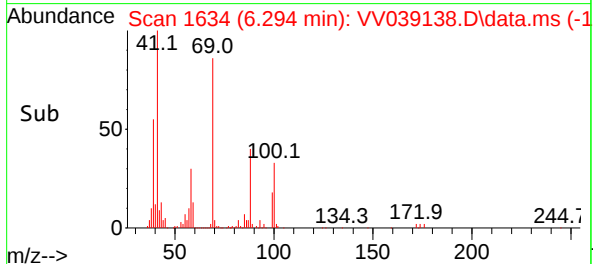
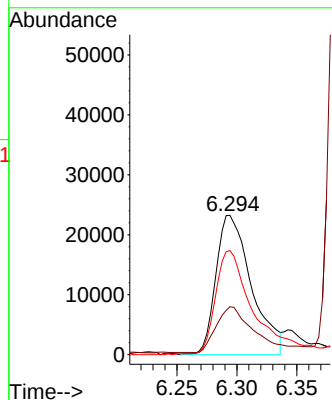
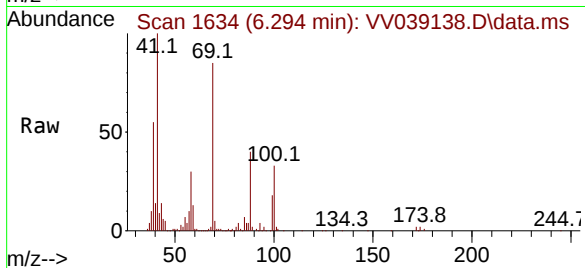
Tgt Ion: 88 Resp: 47860

Ion Ratio Lower Upper

88 100

43 36.7 25.1 37.7

58 80.9 53.6 80.4#



#50

Toluene-d8

Concen: 18.501 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039138.D

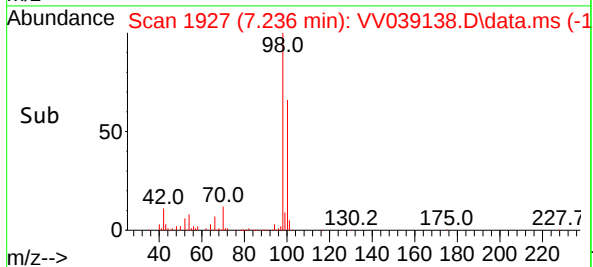
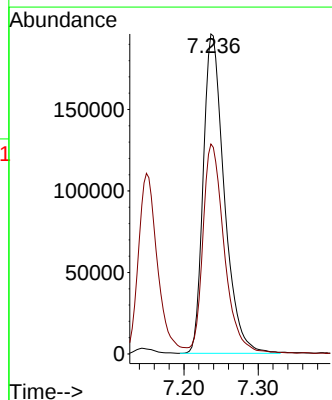
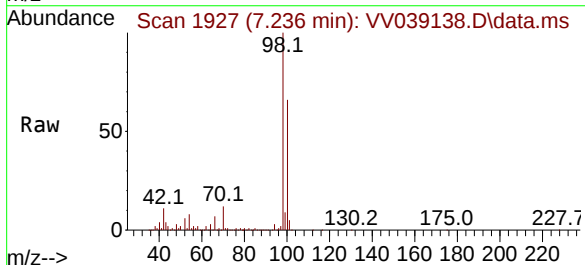
Acq: 22 Sep 2025 12:48

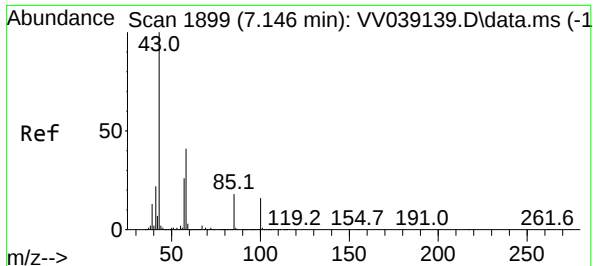
Tgt Ion: 98 Resp: 384827

Ion Ratio Lower Upper

98 100

100 66.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 111.268 ug/l

RT: 7.150 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

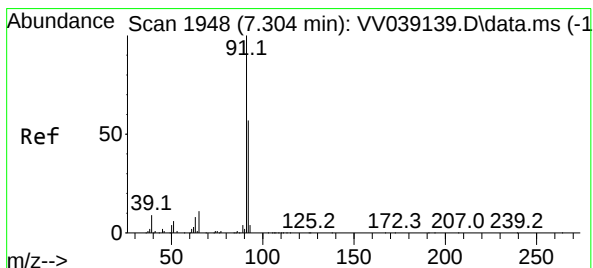
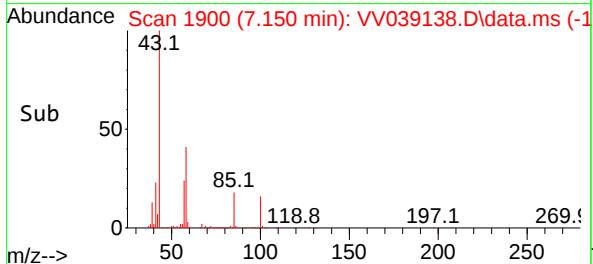
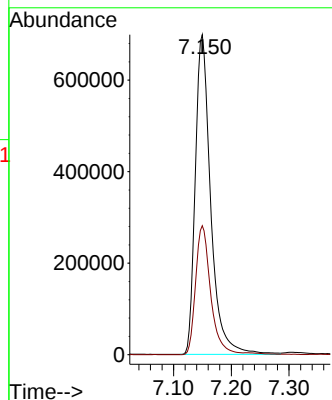
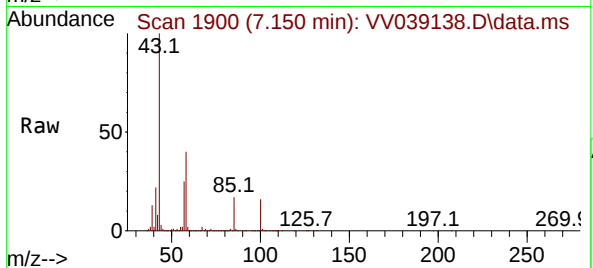
VSTDIC020

Tgt Ion: 43 Resp: 1296796

Ion Ratio Lower Upper

43 100

58 39.2 32.3 48.5



#52

Toluene

Concen: 20.892 ug/l

RT: 7.310 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VV039138.D

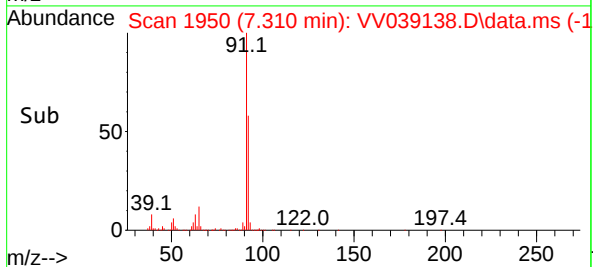
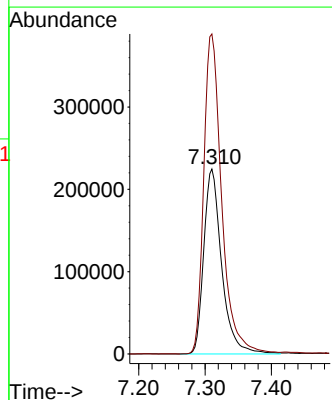
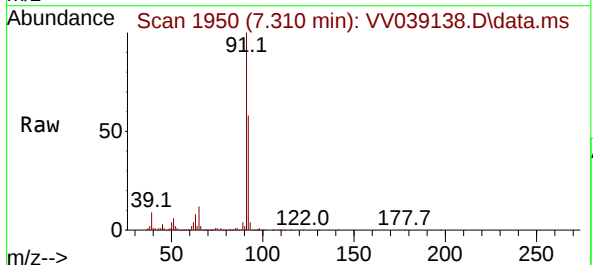
Acq: 22 Sep 2025 12:48

Tgt Ion: 92 Resp: 422367

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 20.516 ug/l

RT: 7.577 min Scan# 2031

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

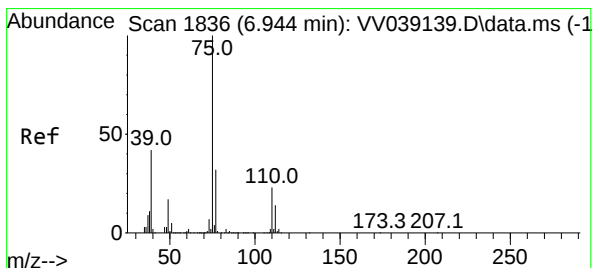
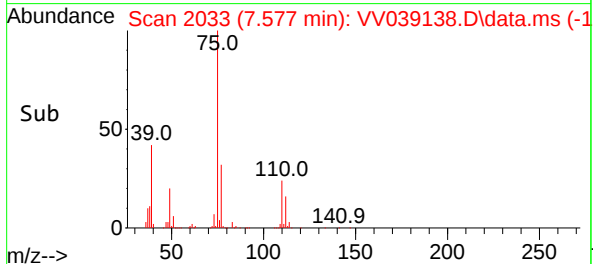
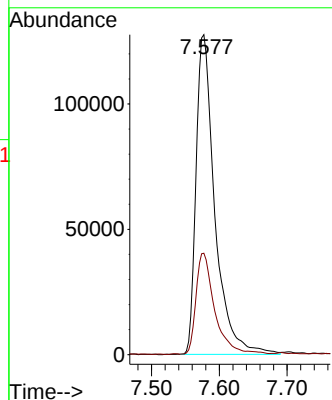
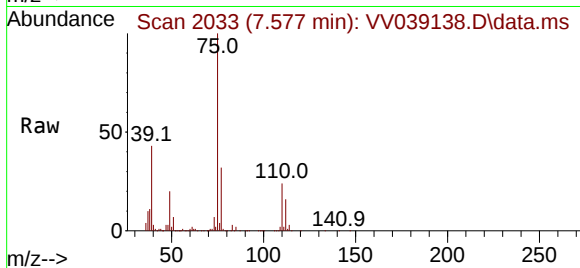
VSTDICC020

Tgt Ion: 75 Resp: 245181

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 20.761 ug/l

RT: 6.950 min Scan# 1838

Delta R.T. 0.006 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

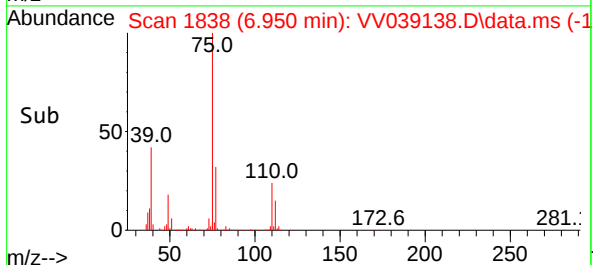
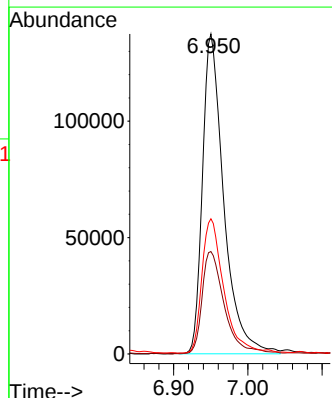
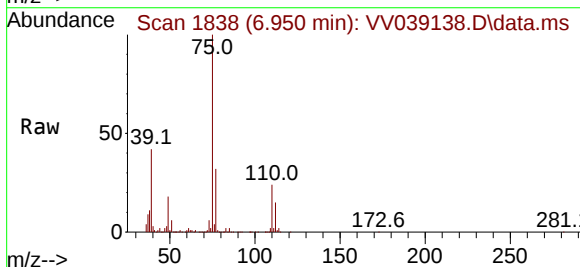
Tgt Ion: 75 Resp: 273906

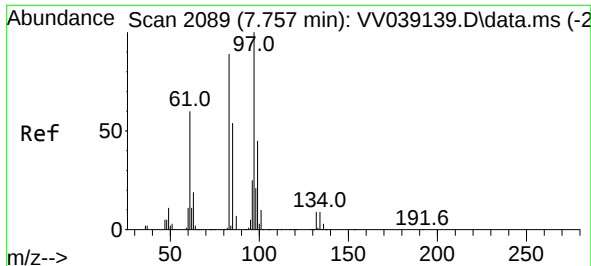
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 42.0 33.8 50.6

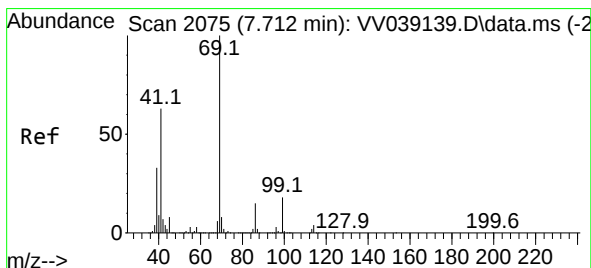
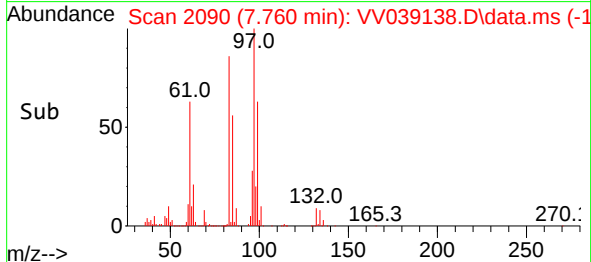
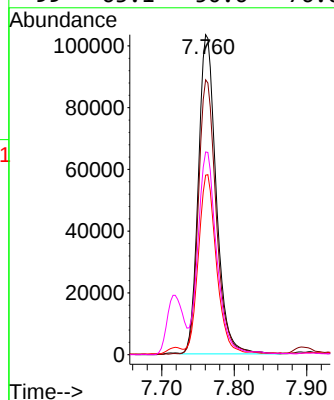
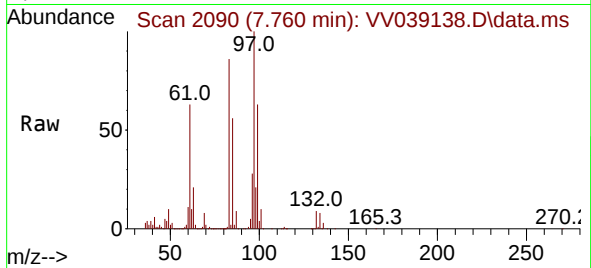




#55
1,1,2-Trichloroethane
Concen: 19.505 ug/l
RT: 7.760 min Scan# 2089
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

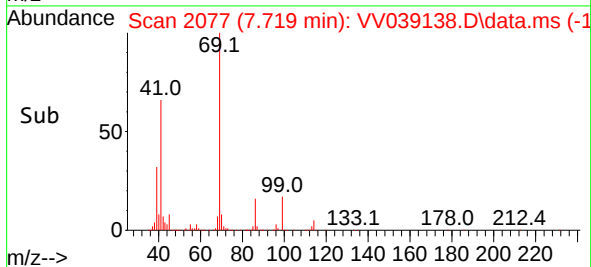
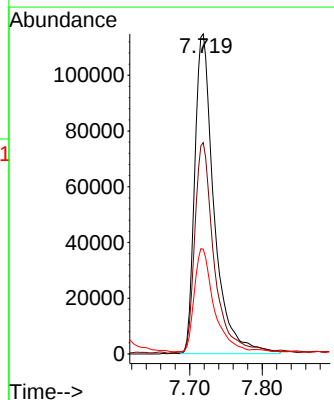
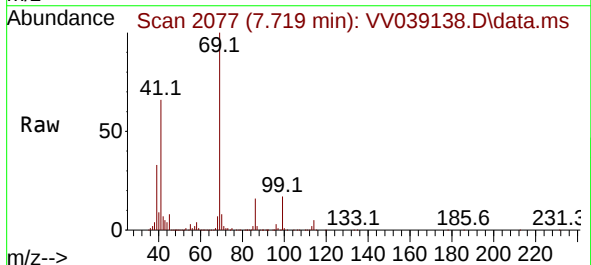
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

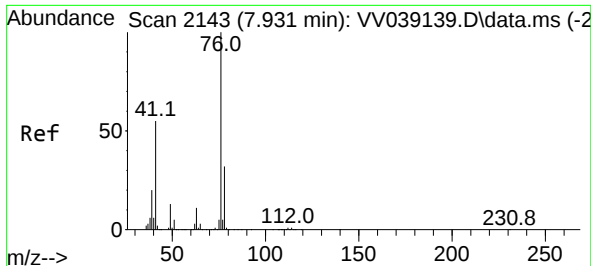
Tgt Ion: 97	Resp: 176812		
Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.1	106.7
85	55.6	44.6	67.0
99	63.1	50.6	76.0



#56
Ethyl methacrylate
Concen: 19.723 ug/l
RT: 7.719 min Scan# 2077
Delta R.T. 0.007 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 69	Resp: 212320
Ion Ratio	Lower Upper
69 100	
41 66.2	50.7 76.1
39 32.3	26.0 39.0





#57

1,3-Dichloropropane

Concen: 20.363 ug/l

RT: 7.934 min Scan# 2143

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

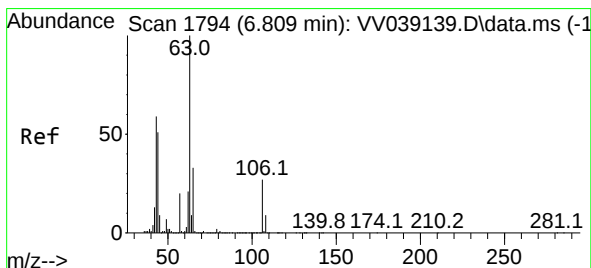
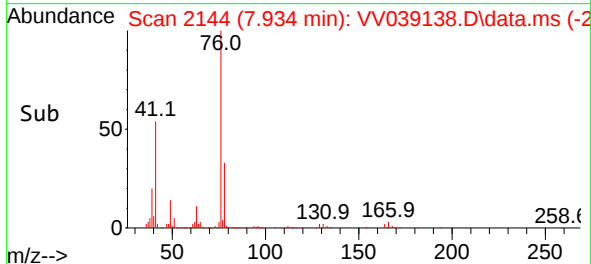
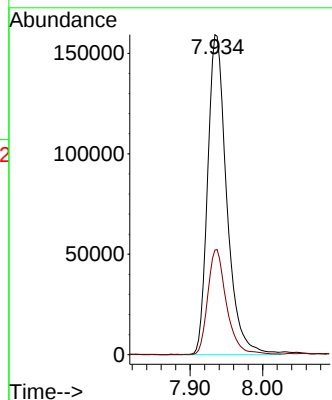
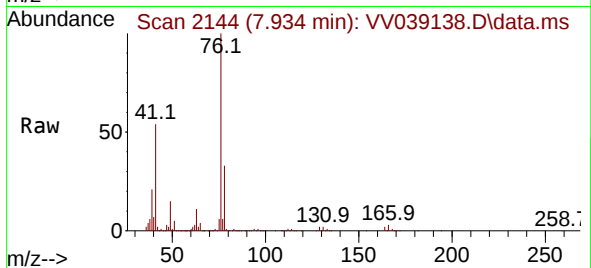
VSTDICC020

Tgt Ion: 76 Resp: 291304

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 94.274 ug/l

RT: 6.815 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VV039138.D

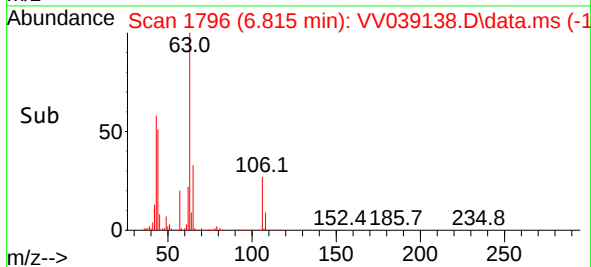
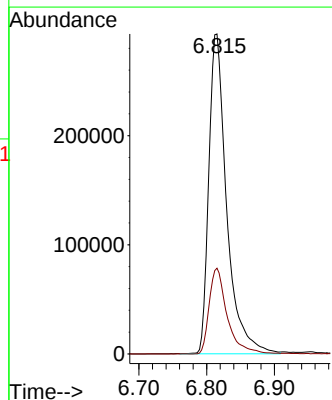
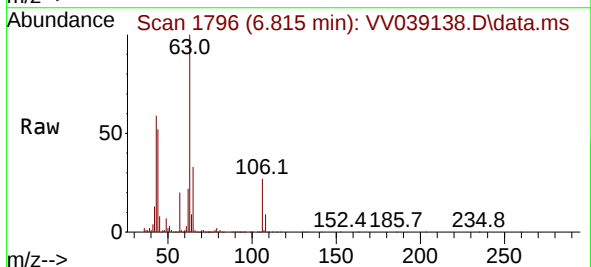
Acq: 22 Sep 2025 12:48

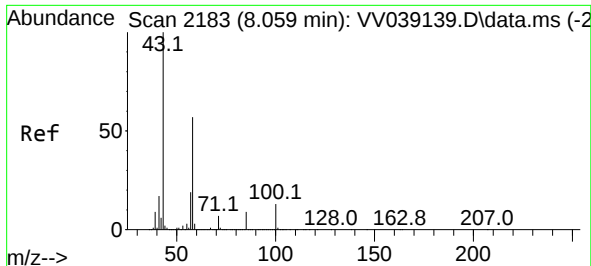
Tgt Ion: 63 Resp: 536254

Ion Ratio Lower Upper

63 100

106 27.3 22.1 33.1

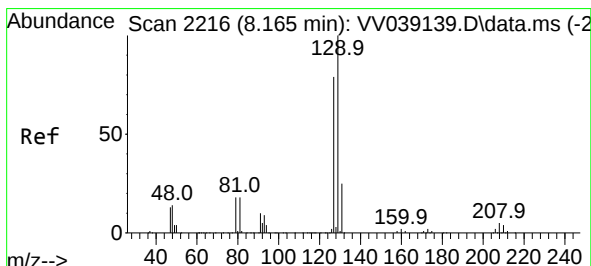
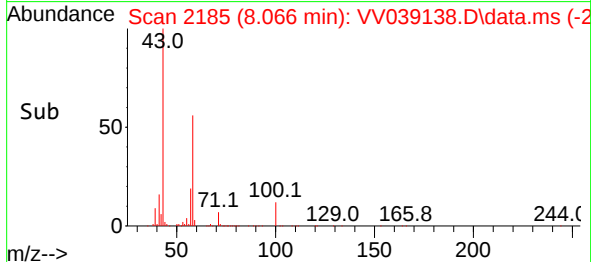
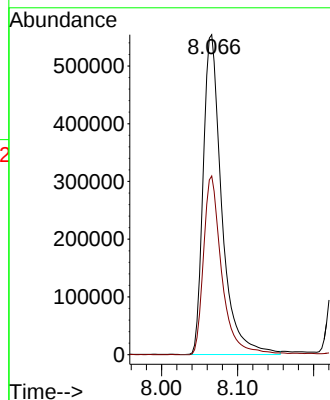
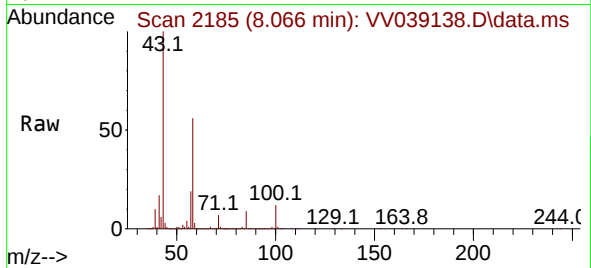




#59
2-Hexanone
Concen: 101.225 ug/l
RT: 8.066 min Scan# 2185
Delta R.T. 0.007 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

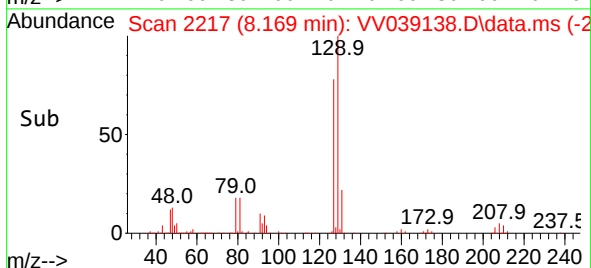
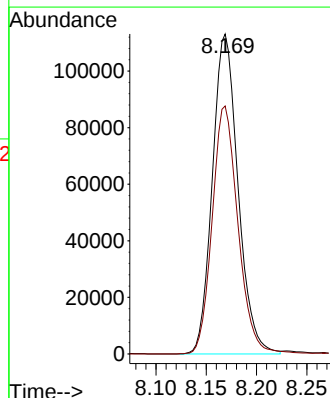
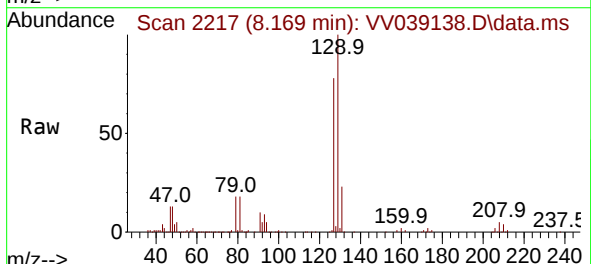
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

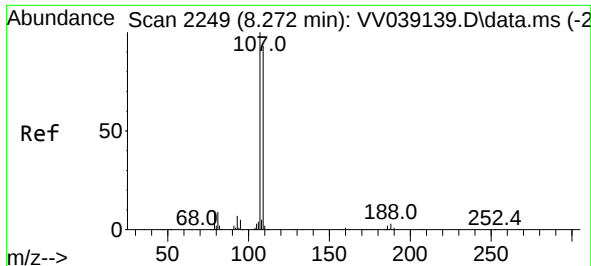
Tgt Ion: 43 Resp: 940265
Ion Ratio Lower Upper
43 100
58 55.0 28.3 85.0



#60
Dibromochloromethane
Concen: 19.440 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 129 Resp: 200793
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.9

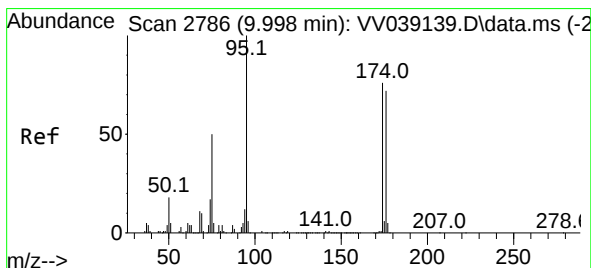
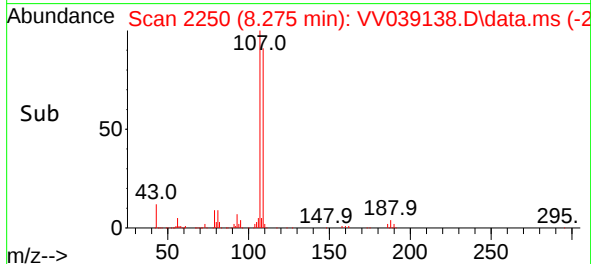
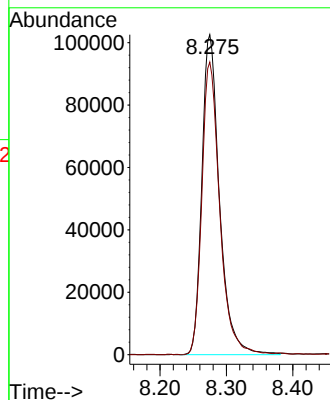
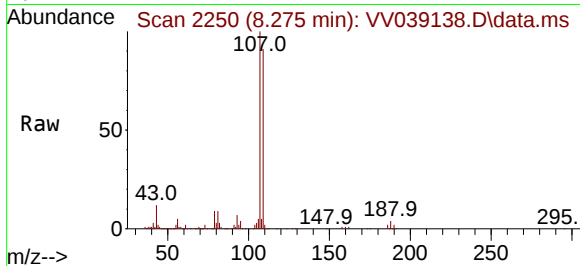




#61
1,2-Dibromoethane
Concen: 20.447 ug/l
RT: 8.275 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

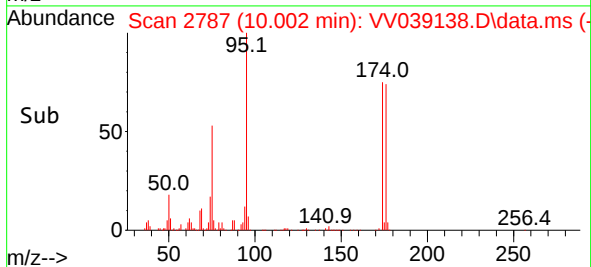
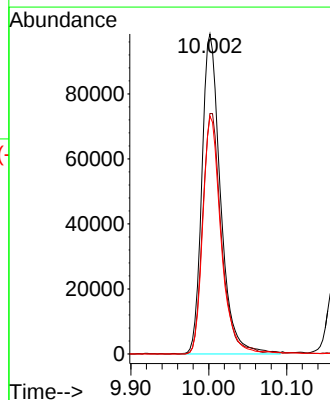
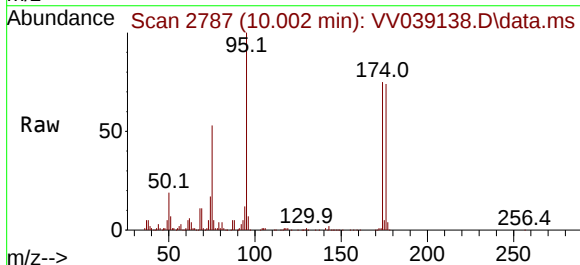
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

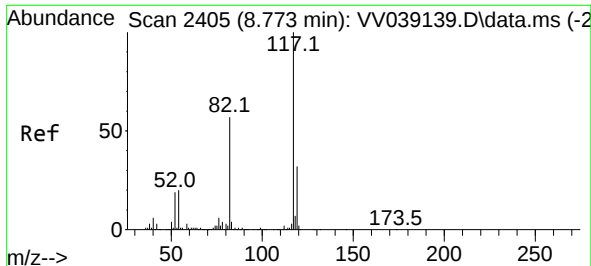
Tgt Ion:107 Resp: 189555
Ion Ratio Lower Upper
107 100
109 92.8 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 19.105 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 95 Resp: 163597
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.4
176 72.3 0.0 144.2

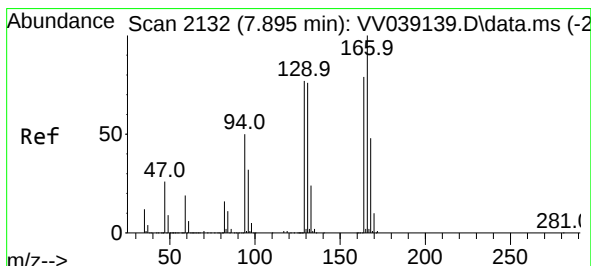
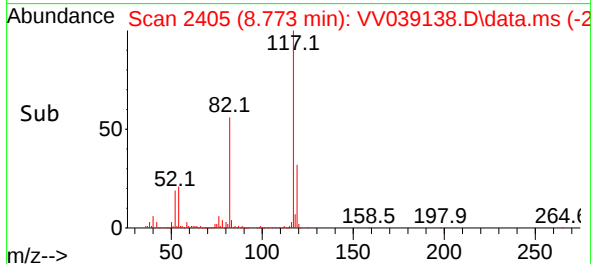
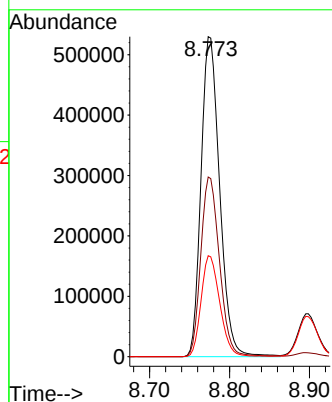
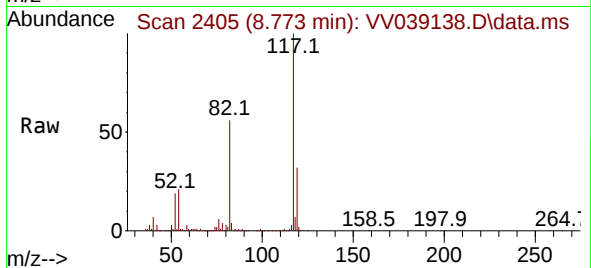




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

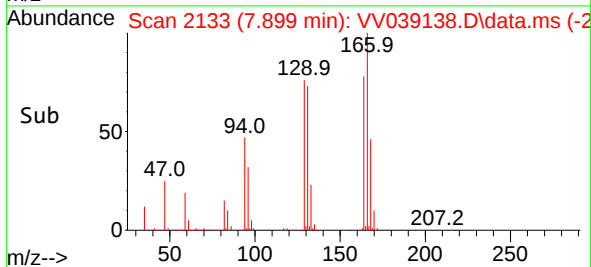
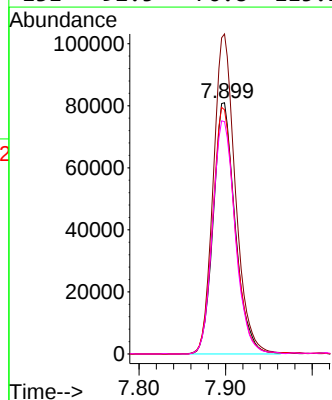
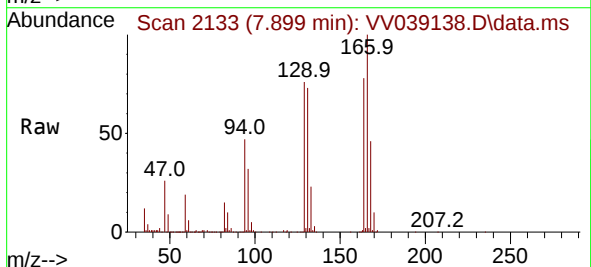
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

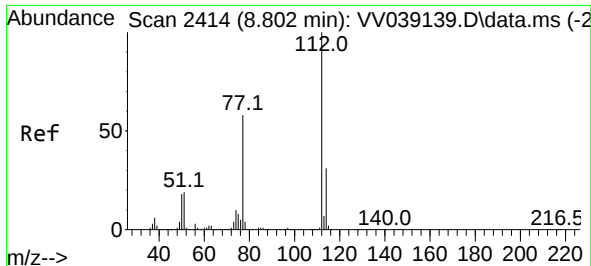
Tgt Ion:117 Resp: 860340
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 19.688 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion:164 Resp: 141876
Ion Ratio Lower Upper
164 100
166 127.4 101.6 152.4
129 97.2 78.5 117.7
131 92.5 76.8 115.2

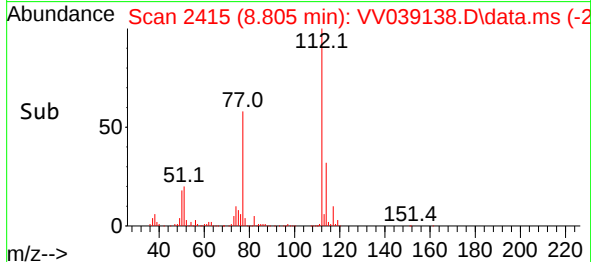
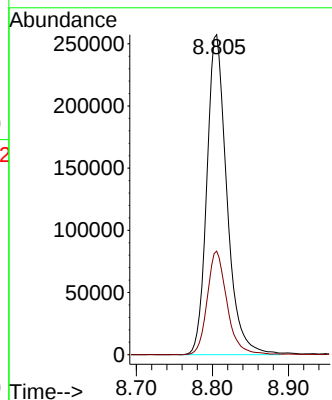
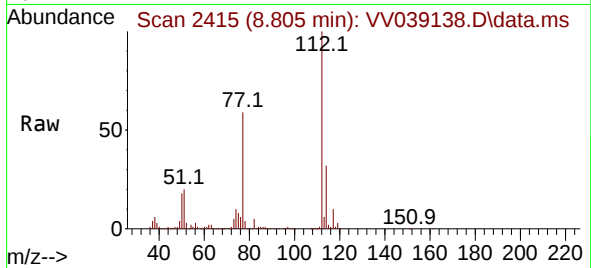




#65
Chlorobenzene
Concen: 19.648 ug/l
RT: 8.805 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

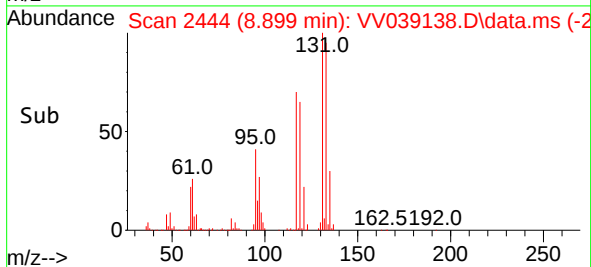
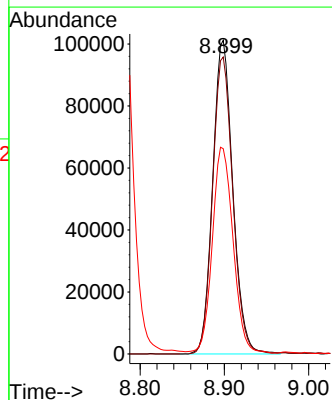
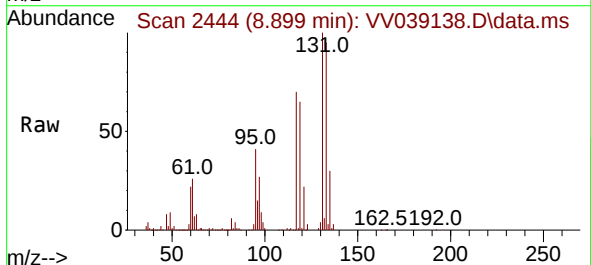
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

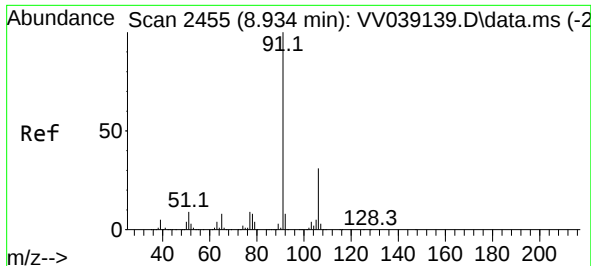
Tgt Ion:112 Resp: 470841
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.395 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion:131 Resp: 167936
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 67.8 33.3 99.8





#67

Ethyl Benzene

Concen: 20.328 ug/l

RT: 8.937 min Scan# 2455

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

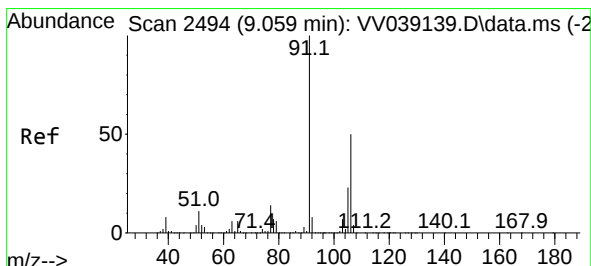
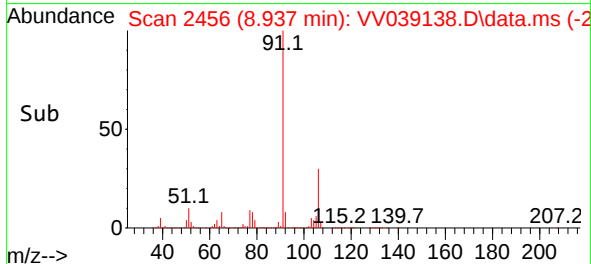
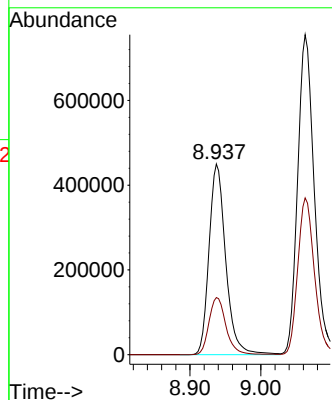
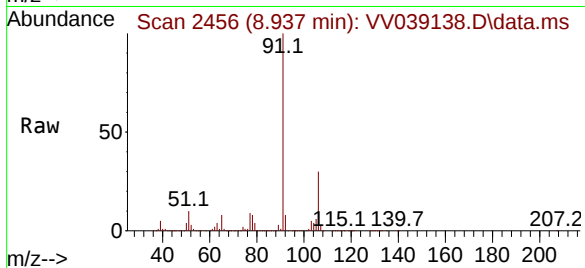
VSTDIC020

Tgt Ion: 91 Resp: 737391

Ion Ratio Lower Upper

91 100

106 30.0 24.6 37.0



#68

m/p-Xylenes

Concen: 43.381 ug/l

RT: 9.063 min Scan# 2495

Delta R.T. 0.004 min

Lab File: VV039138.D

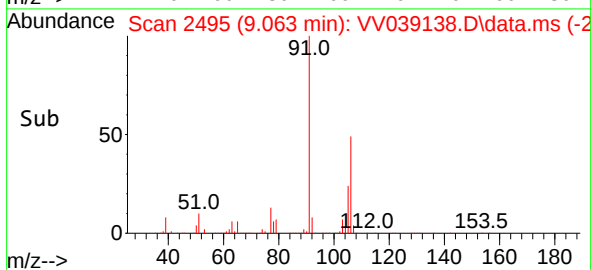
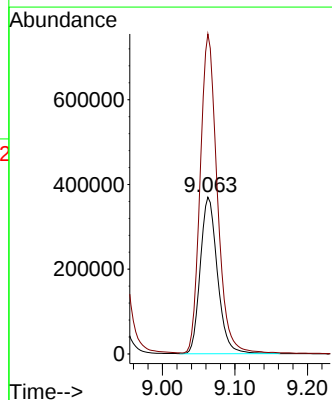
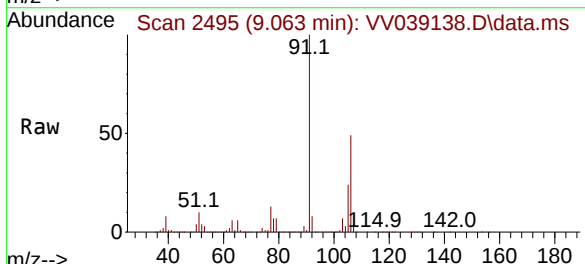
Acq: 22 Sep 2025 12:48

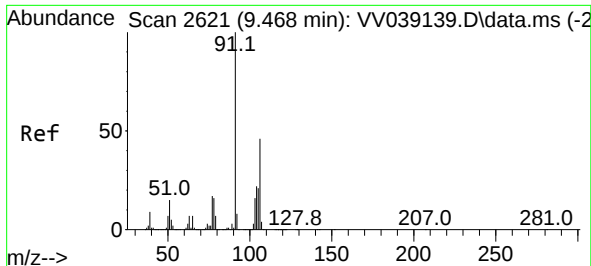
Tgt Ion: 106 Resp: 607362

Ion Ratio Lower Upper

106 100

91 201.7 162.5 243.7

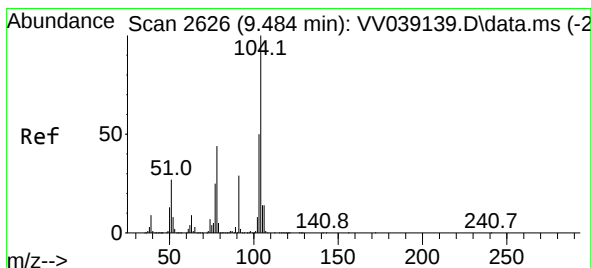
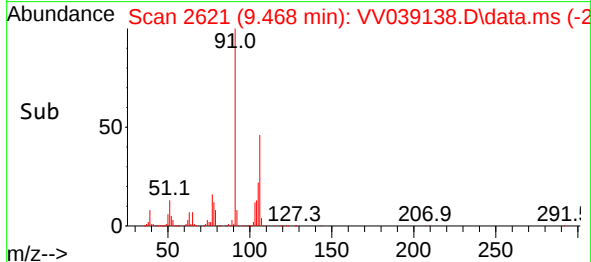
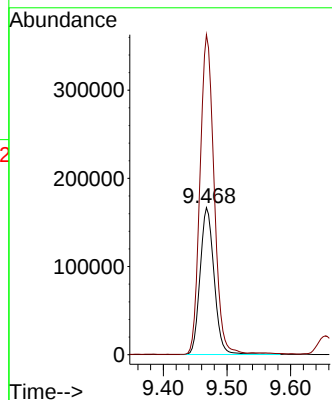
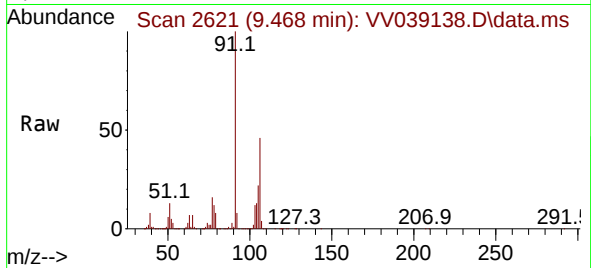




#69
o-Xylene
Concen: 20.587 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

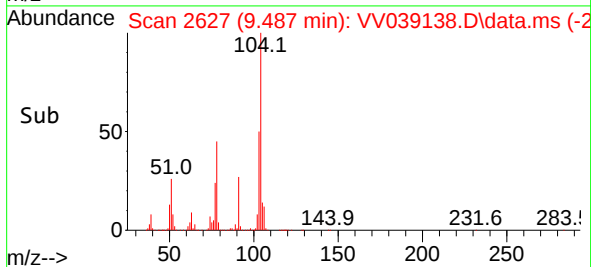
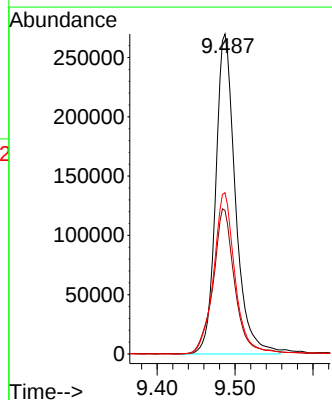
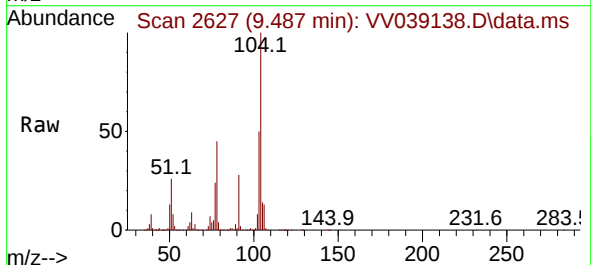
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

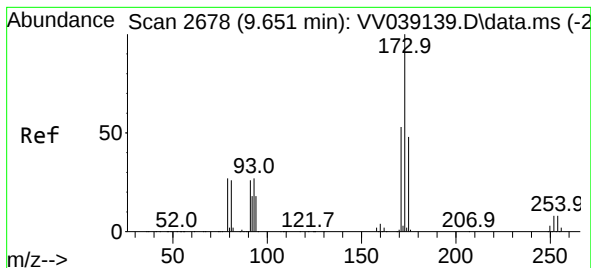
Tgt Ion:106 Resp: 255212
Ion Ratio Lower Upper
106 100
91 218.4 109.1 327.3



#70
Styrene
Concen: 19.022 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion:104 Resp: 475382
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 55.1 43.4 65.2





#71

Bromoform

Concen: 19.552 ug/l

RT: 9.654 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

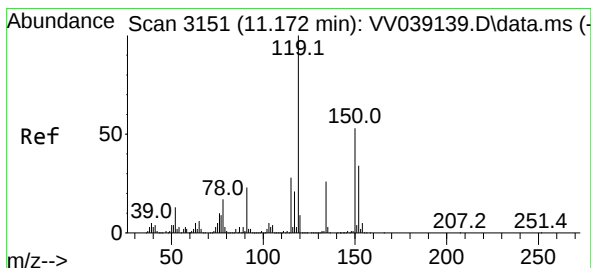
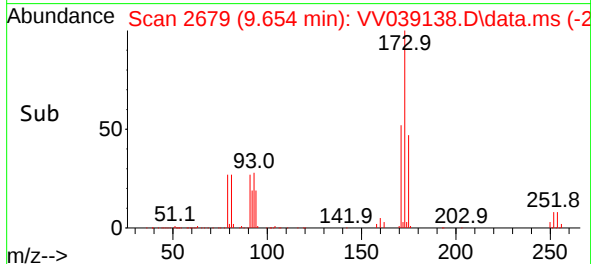
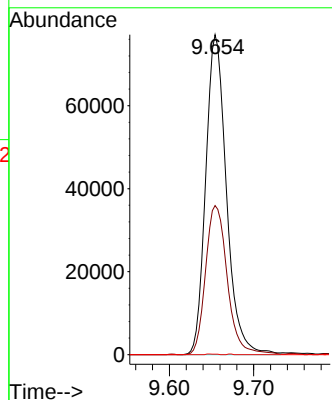
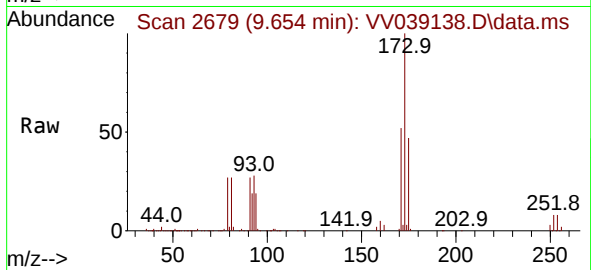
Tgt Ion:173 Resp: 132242

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.7

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

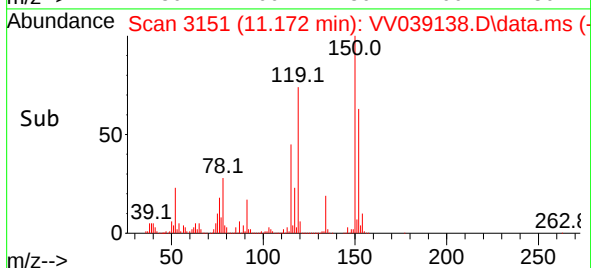
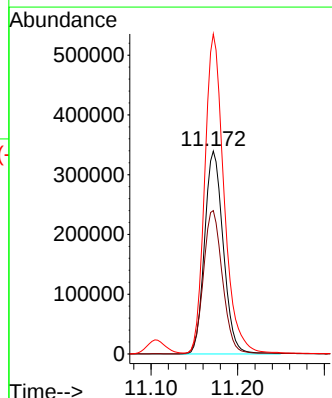
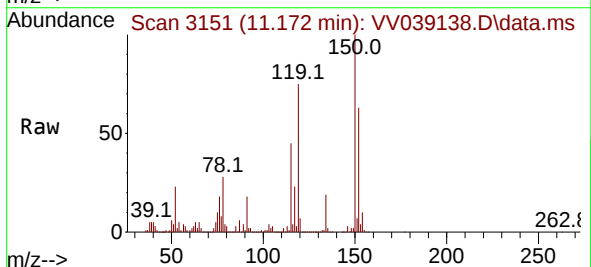
Tgt Ion:152 Resp: 509460

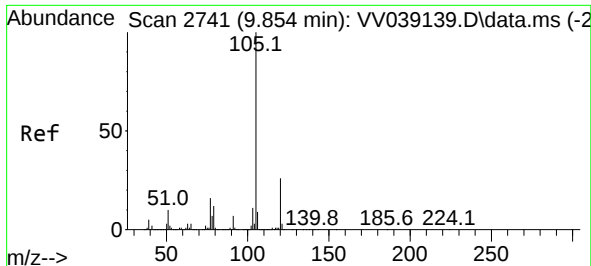
Ion Ratio Lower Upper

152 100

115 72.2 44.8 134.4

150 163.4 0.0 353.8

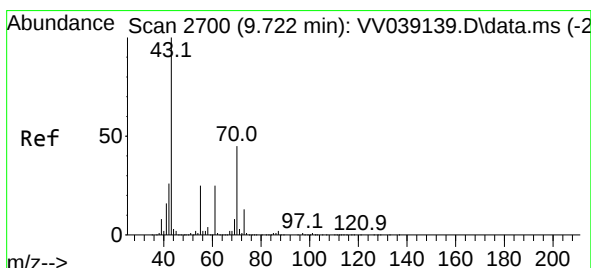
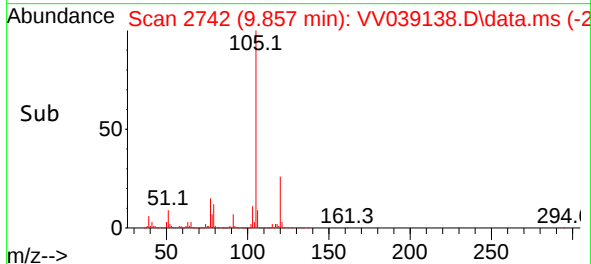
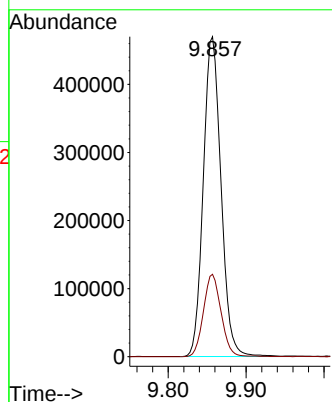
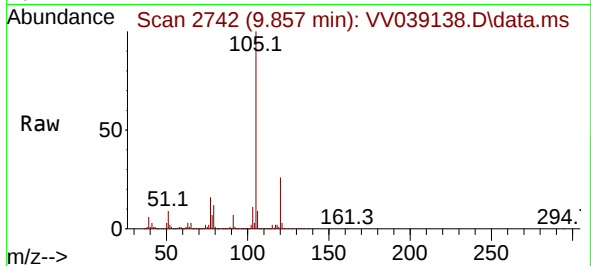




#73
Isopropylbenzene
Concen: 20.062 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

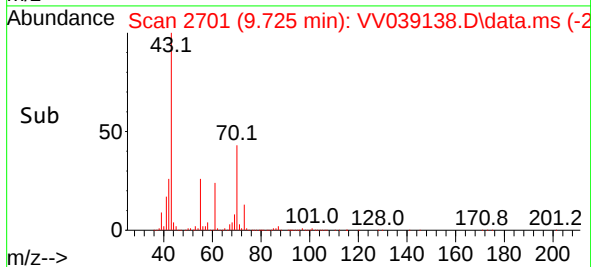
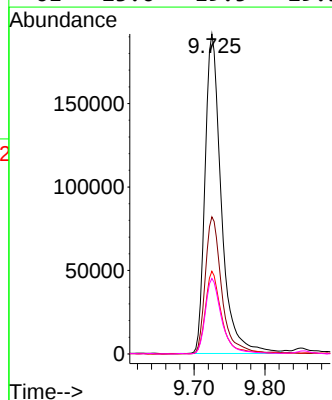
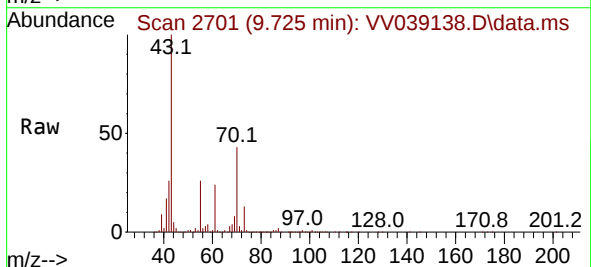
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

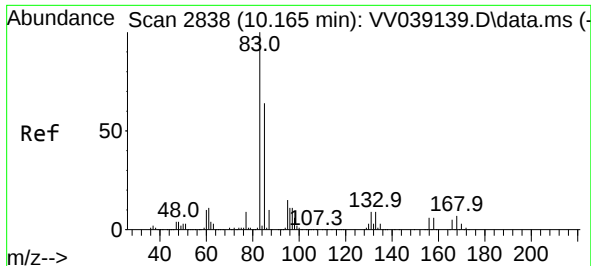
Tgt Ion:105 Resp: 741305
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.1



#74
N-ethyl acetate
Concen: 20.826 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 43 Resp: 306963
Ion Ratio Lower Upper
43 100
70 43.4 35.4 53.0
55 25.0 20.6 30.8
61 23.6 19.5 29.3

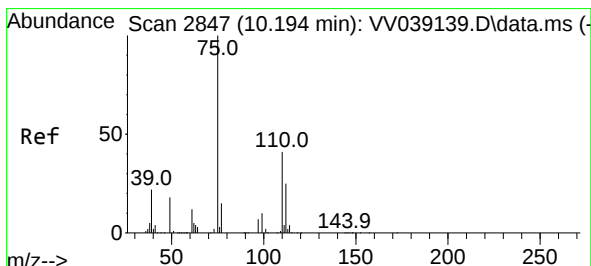
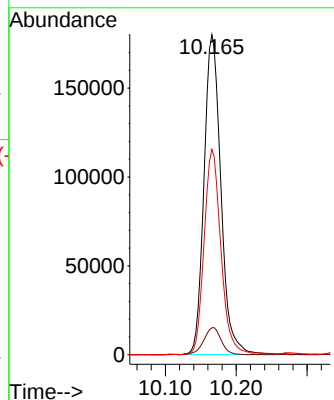
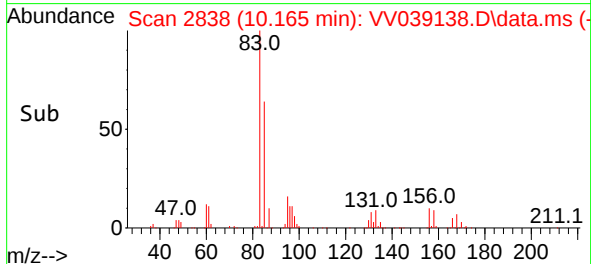
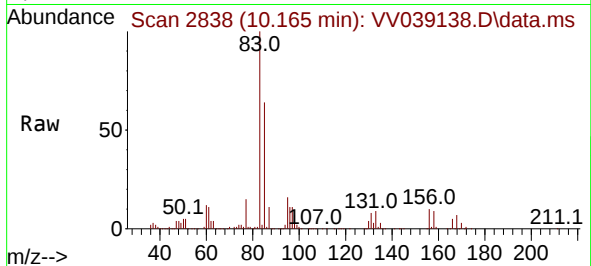




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.390 ug/l
 RT: 10.165 min Scan# 2838
 Delta R.T. 0.000 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

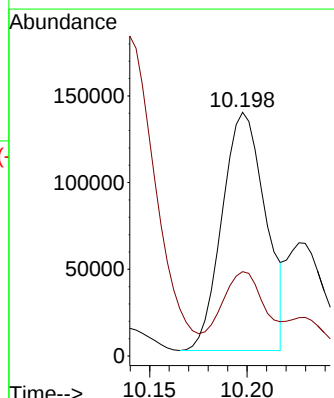
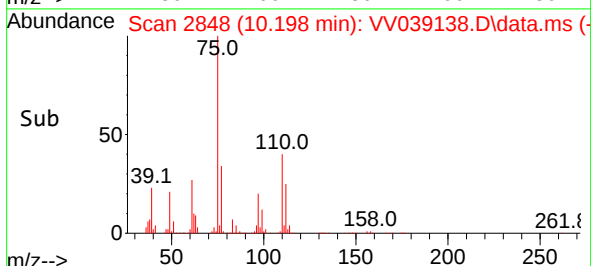
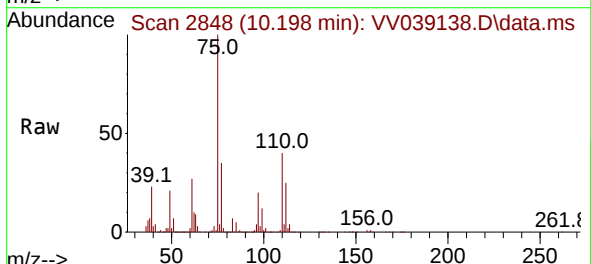
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

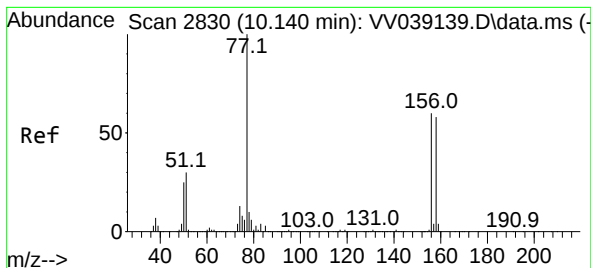
Tgt Ion: 83 Resp: 297741
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.5 13.7
 85 63.7 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 18.409 ug/l
 RT: 10.198 min Scan# 2848
 Delta R.T. 0.003 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

Tgt Ion: 75 Resp: 213532
 Ion Ratio Lower Upper
 75 100
 77 22.1 11.3 33.8





#77

Bromobenzene

Concen: 19.525 ug/l

RT: 10.140 min Scan# 2830

Delta R.T. 0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

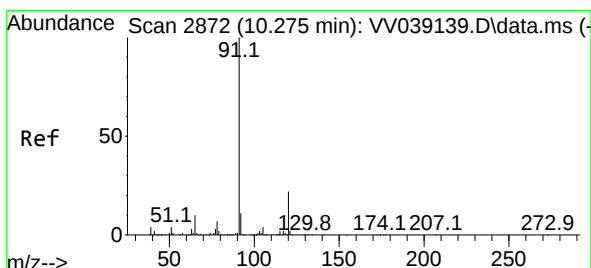
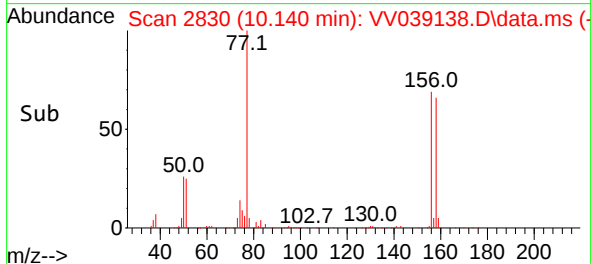
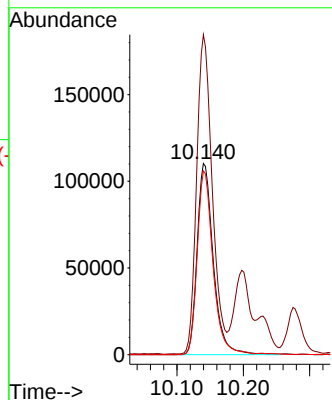
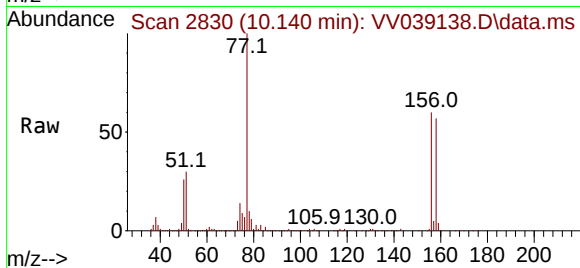
Tgt Ion:156 Resp: 187188

Ion Ratio Lower Upper

156 100

77 160.4 83.4 250.1

158 93.6 48.8 146.4



#78

n-propylbenzene

Concen: 20.118 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.003 min

Lab File: VV039138.D

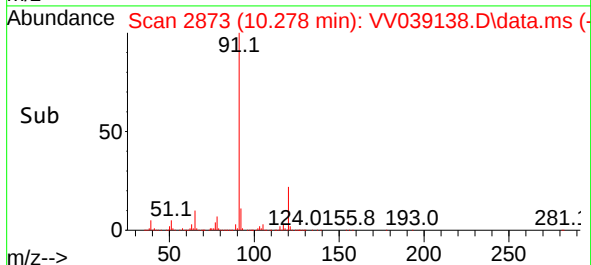
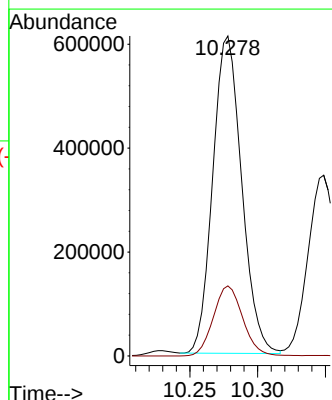
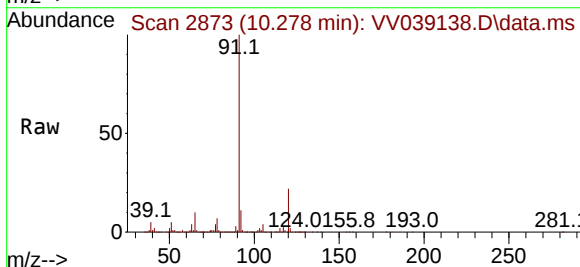
Acq: 22 Sep 2025 12:48

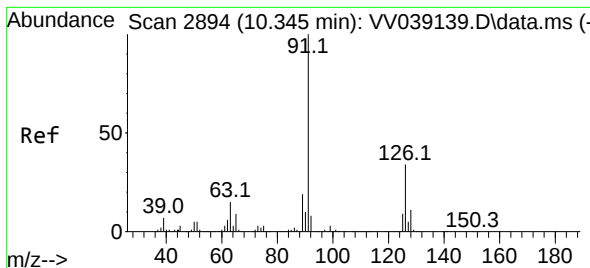
Tgt Ion: 91 Resp: 905281

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3

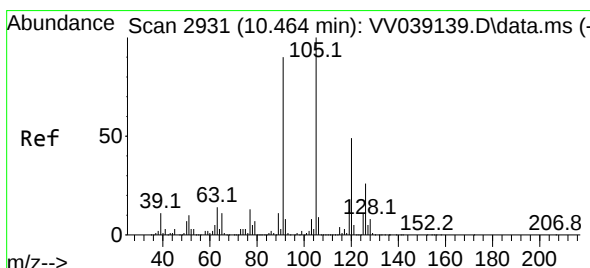
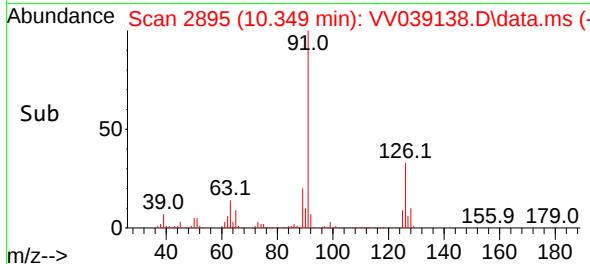
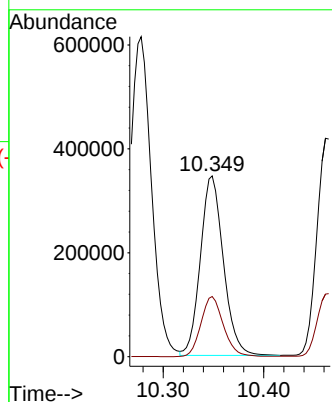
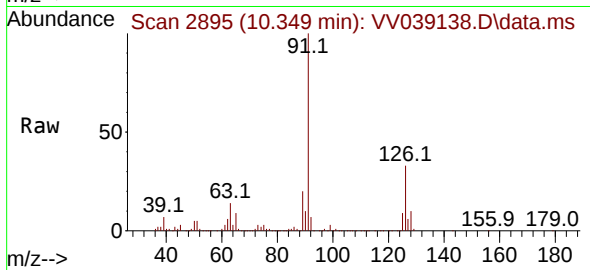




#79
2-Chlorotoluene
Concen: 20.346 ug/l
RT: 10.349 min Scan# 2895
Delta R.T. 0.003 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

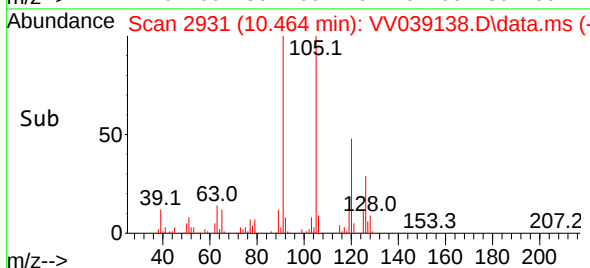
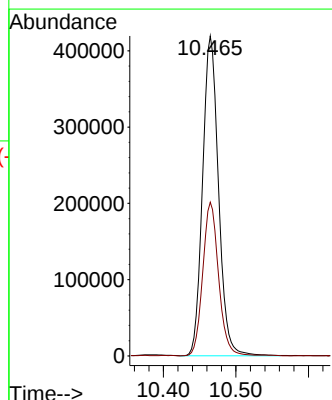
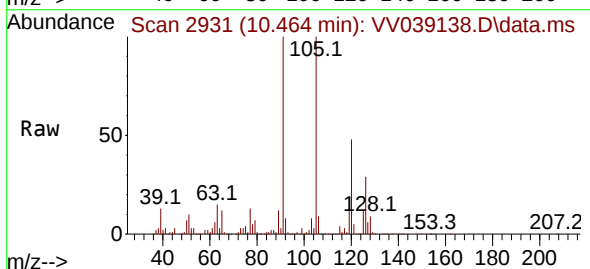
Instrument : MSVOA_V
ClientSampleId : VSTDIC020

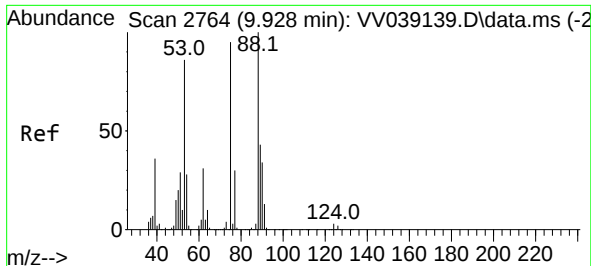
Tgt Ion: 91 Resp: 547836
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 20.843 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 105 Resp: 640175
Ion Ratio Lower Upper
105 100
120 47.6 24.3 72.8

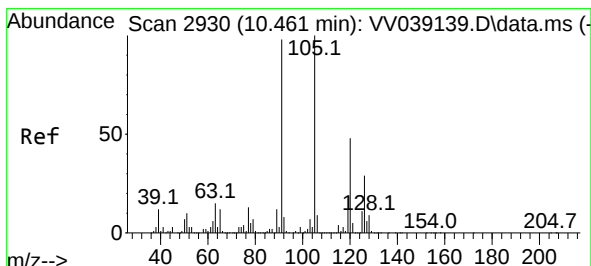
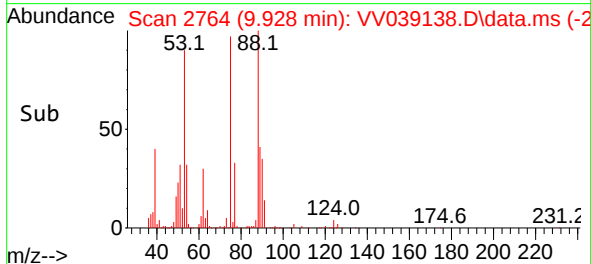
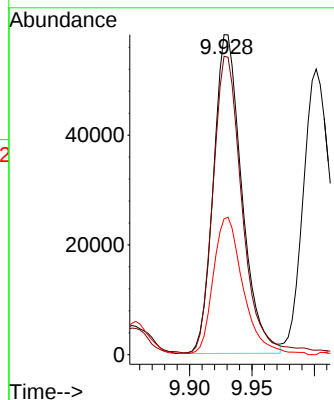
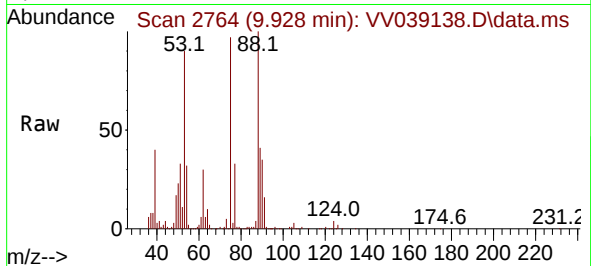




#81
trans-1,4-Dichloro-2-butene
Concen: 19.009 ug/l
RT: 9.928 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

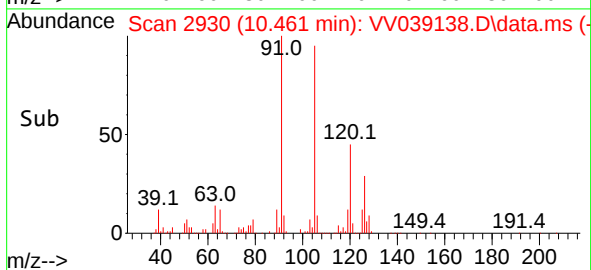
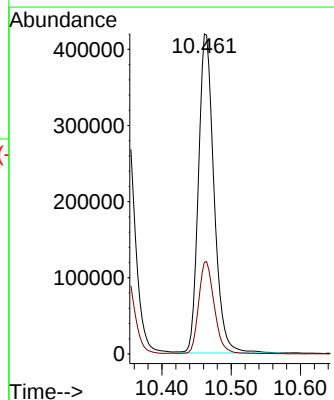
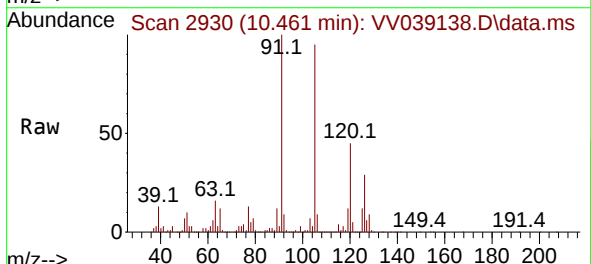
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

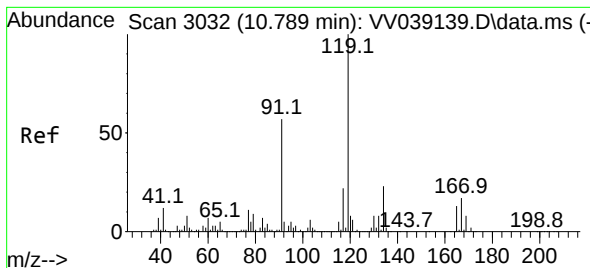
Tgt Ion: 75 Resp: 91848
Ion Ratio Lower Upper
75 100
53 95.8 72.5 108.7
89 45.7 37.2 55.8



#82
4-Chlorotoluene
Concen: 20.993 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039138.D
Acq: 22 Sep 2025 12:48

Tgt Ion: 91 Resp: 655427
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6





#83

tert-Butylbenzene

Concen: 19.172 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

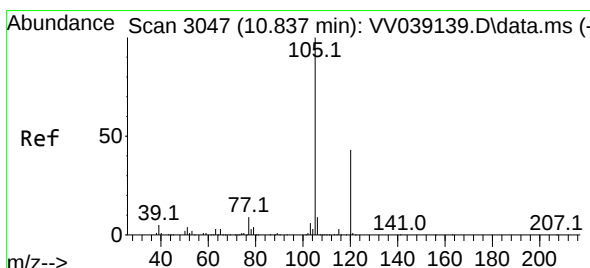
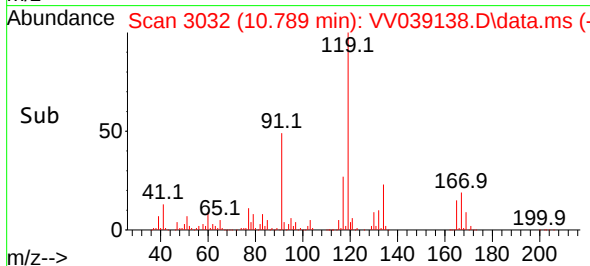
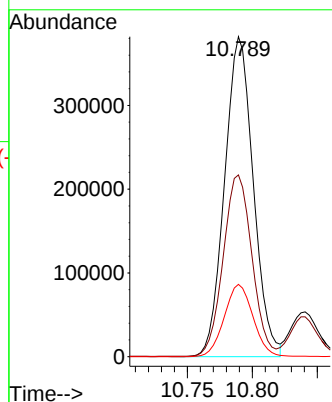
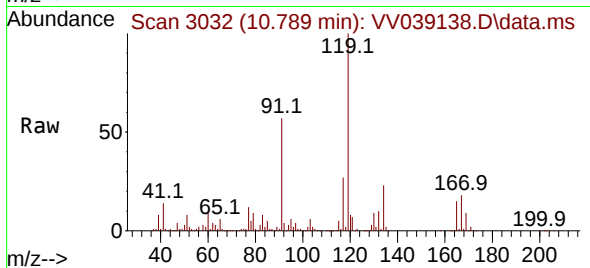
Tgt Ion:119 Resp: 587151

Ion Ratio Lower Upper

119 100

91 56.6 28.5 85.6

134 22.8 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 21.185 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039138.D

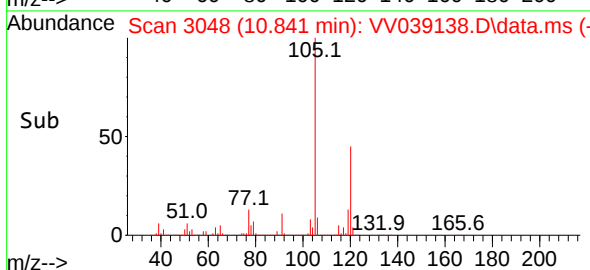
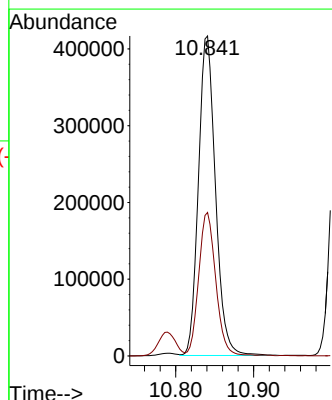
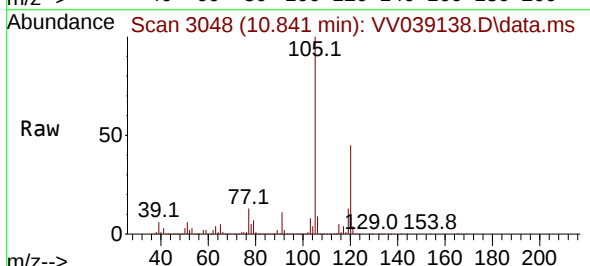
Acq: 22 Sep 2025 12:48

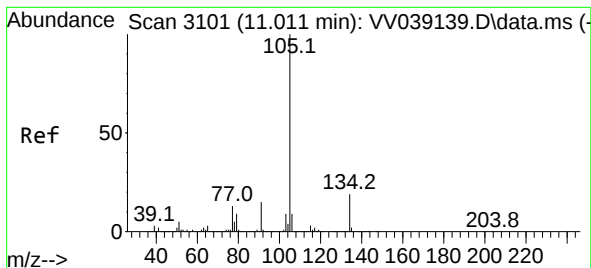
Tgt Ion:105 Resp: 631679

Ion Ratio Lower Upper

105 100

120 44.6 22.4 67.2





#85

sec-Butylbenzene

Concen: 19.912 ug/l

RT: 11.011 min Scan# 3101

Delta R.T. 0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

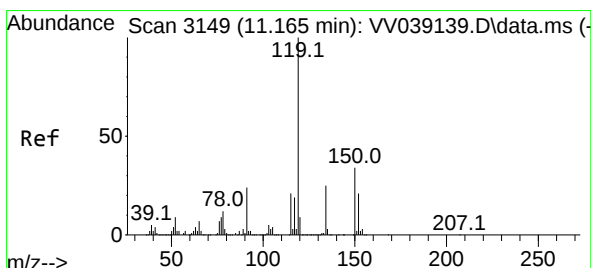
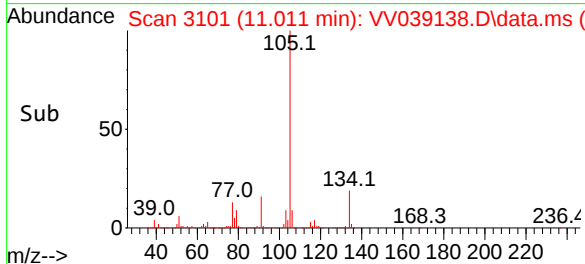
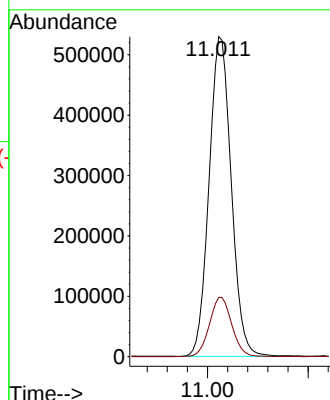
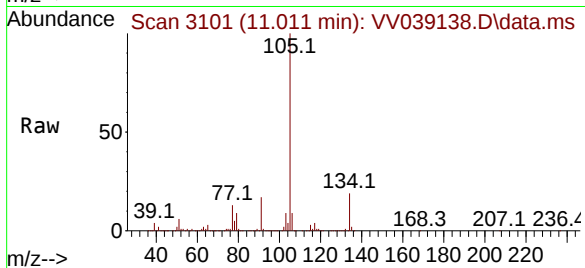
VSTDIC020

Tgt Ion:105 Resp: 808869

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 20.196 ug/l

RT: 11.165 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

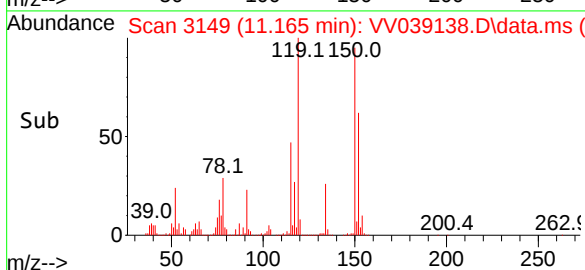
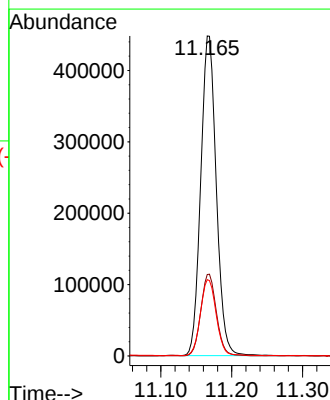
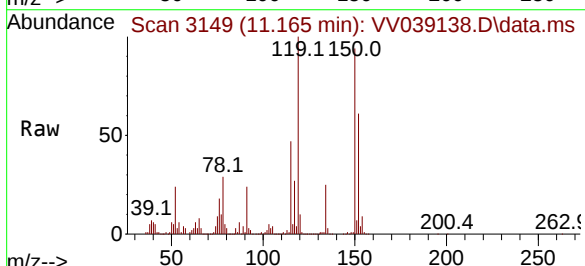
Tgt Ion:119 Resp: 682814

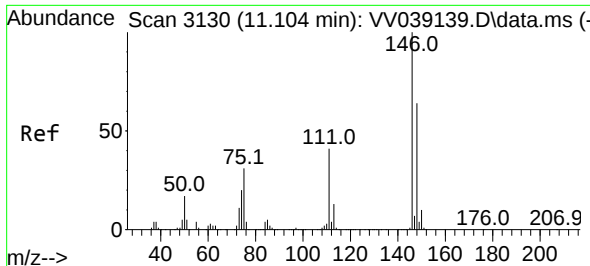
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.1 12.0 36.1

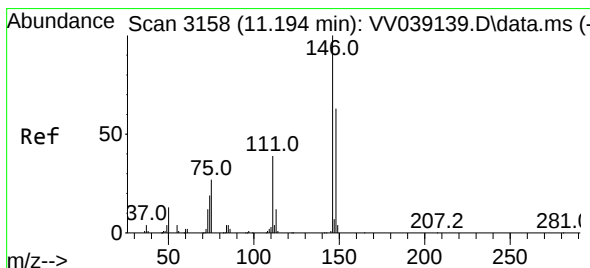
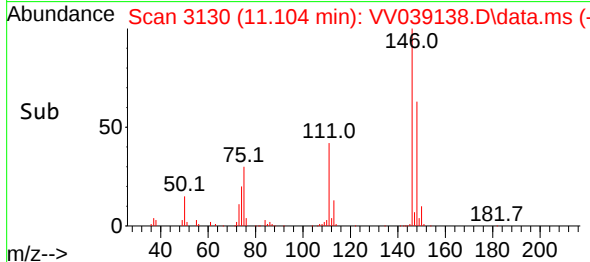
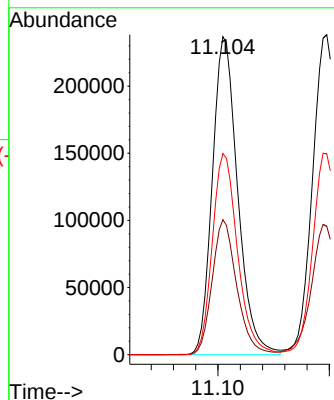
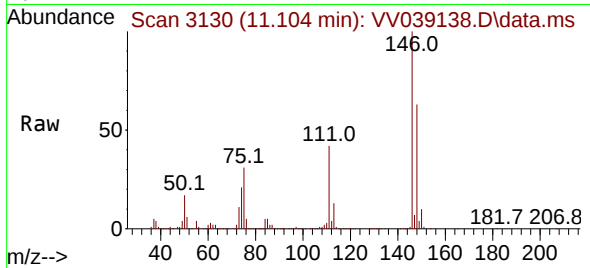




#87
 1,3-Dichlorobenzene
 Concen: 19.287 ug/l
 RT: 11.104 min Scan# 3130
 Delta R.T. 0.000 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

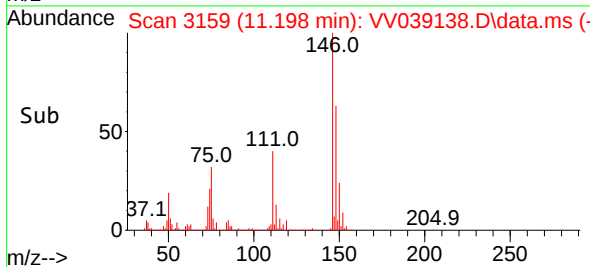
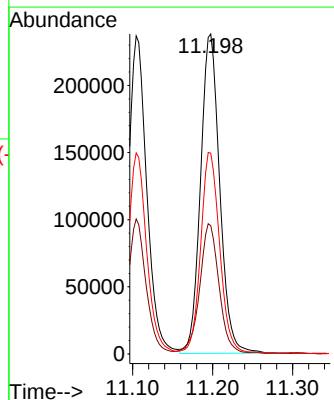
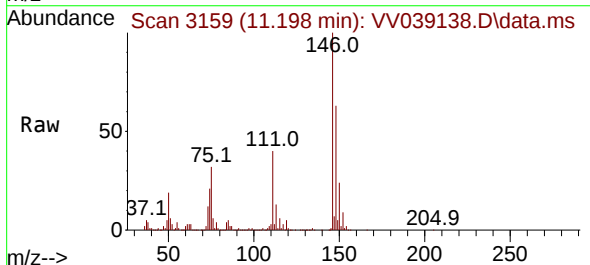
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

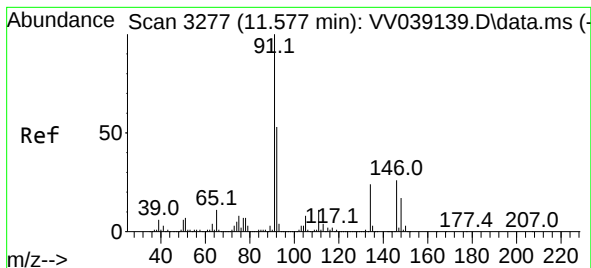
Tgt Ion:146 Resp: 374208
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 63.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.539 ug/l
 RT: 11.198 min Scan# 3159
 Delta R.T. 0.003 min
 Lab File: VV039138.D
 Acq: 22 Sep 2025 12:48

Tgt Ion:146 Resp: 397526
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.8
 148 62.8 31.4 94.2





#89

n-Butylbenzene

Concen: 19.822 ug/l

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

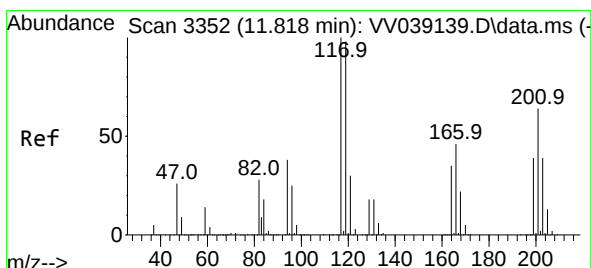
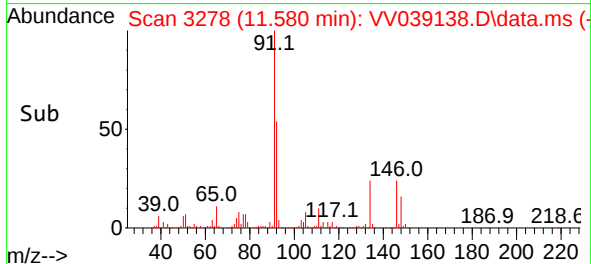
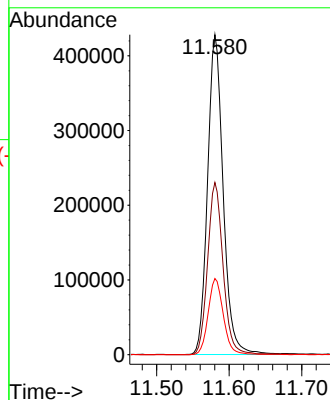
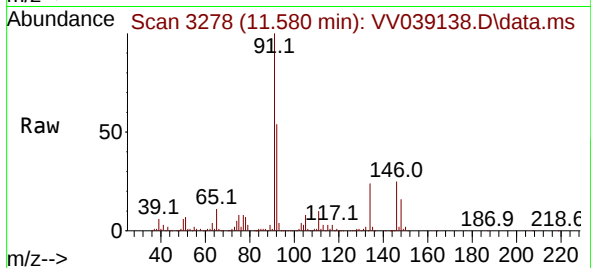
Tgt Ion: 91 Resp: 640044

Ion Ratio Lower Upper

91 100

92 53.3 26.6 79.8

134 23.1 12.1 36.3



#90

Hexachloroethane

Concen: 18.118 ug/l

RT: 11.818 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VV039138.D

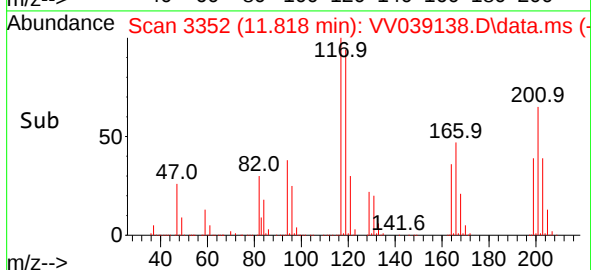
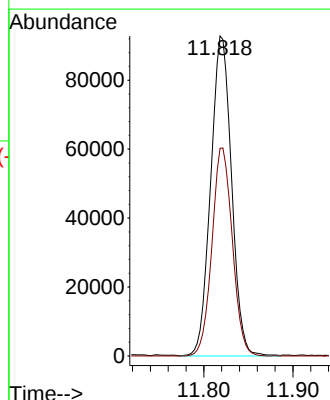
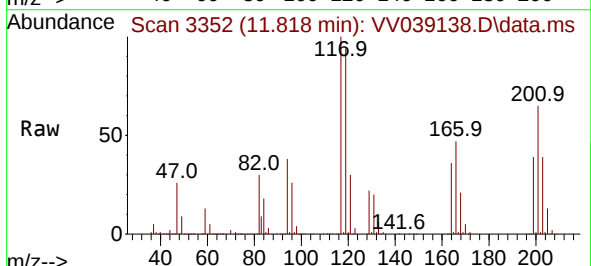
Acq: 22 Sep 2025 12:48

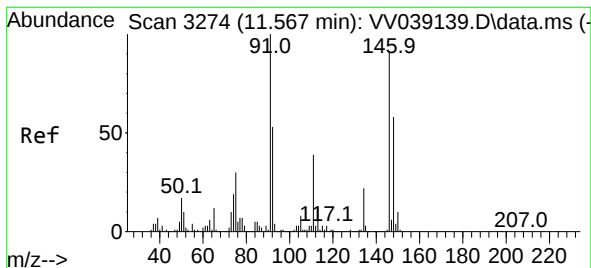
Tgt Ion: 117 Resp: 150843

Ion Ratio Lower Upper

117 100

201 63.5 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 18.567 ug/l

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

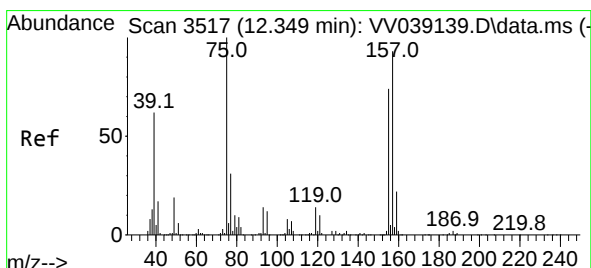
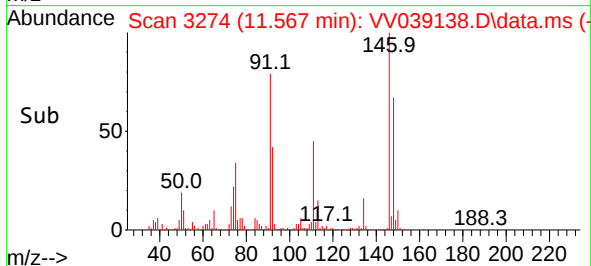
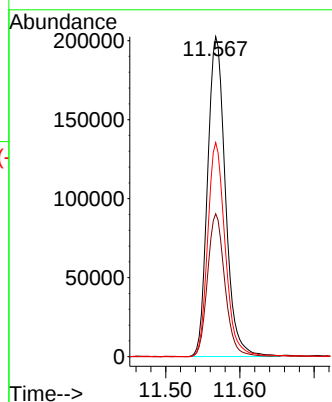
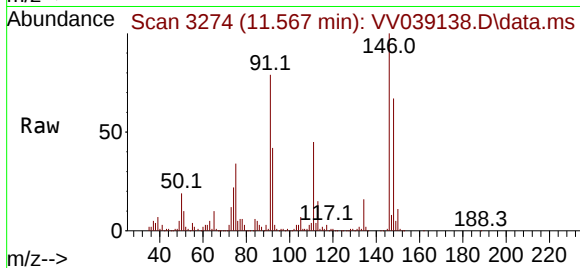
Tgt Ion:146 Resp: 336566

Ion Ratio Lower Upper

146 100

111 43.7 21.5 64.5

148 65.5 31.9 95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.989 ug/l

RT: 12.352 min Scan# 3518

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

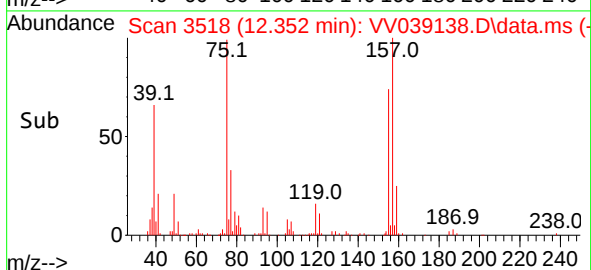
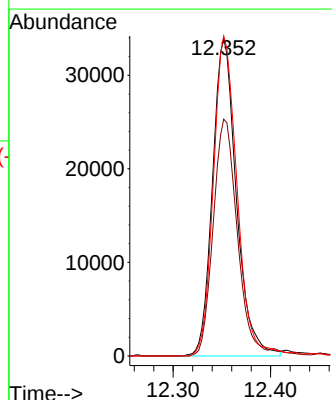
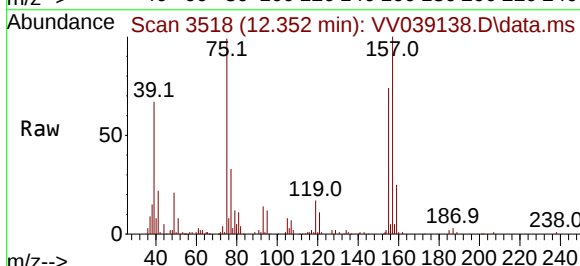
Tgt Ion: 75 Resp: 57671

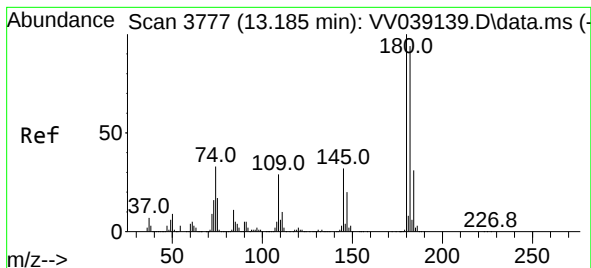
Ion Ratio Lower Upper

75 100

155 74.8 38.6 115.8

157 100.1 49.5 148.3





#93

1,2,4-Trichlorobenzene

Concen: 18.894 ug/l

RT: 13.185 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

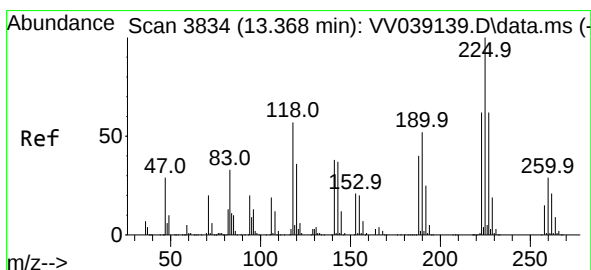
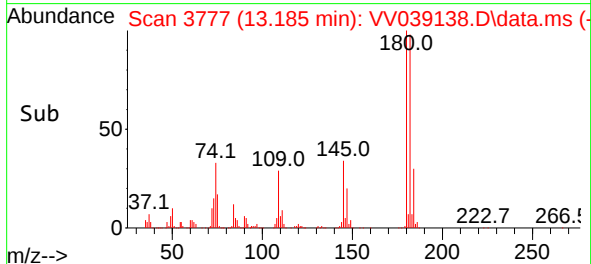
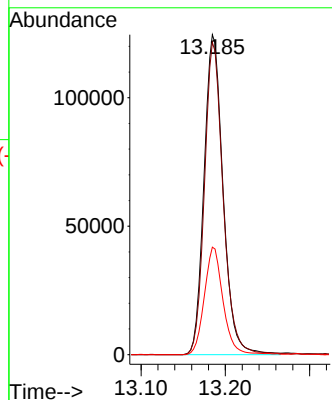
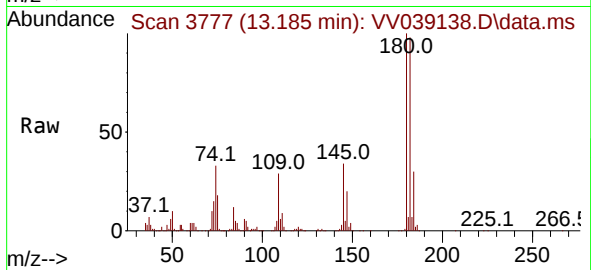
Tgt Ion:180 Resp: 196334

Ion Ratio Lower Upper

180 100

182 95.8 47.1 141.4

145 33.1 16.3 48.8



#94

Hexachlorobutadiene

Concen: 17.893 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. -0.000 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

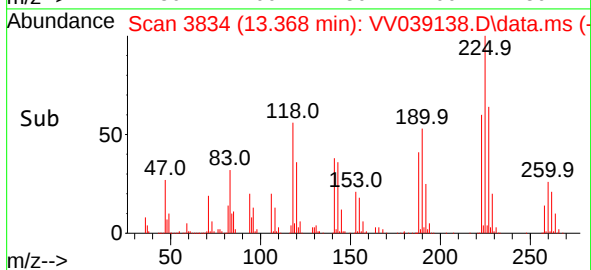
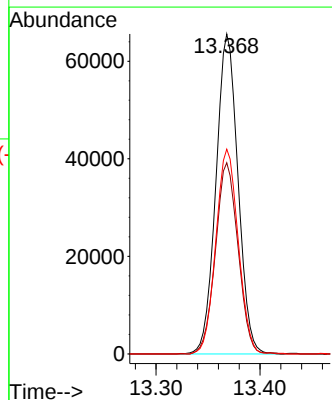
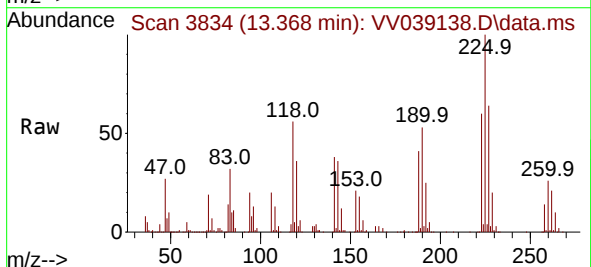
Tgt Ion:225 Resp: 96610

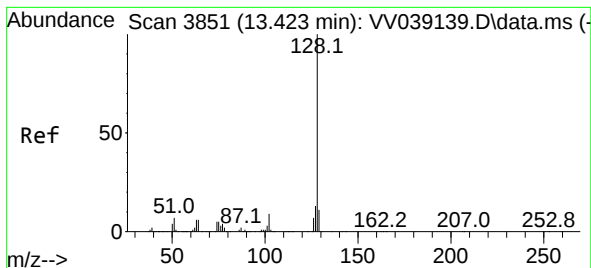
Ion Ratio Lower Upper

225 100

223 61.1 31.6 94.7

227 65.1 31.8 95.4





#95

Naphthalene

Concen: 18.986 ug/l

RT: 13.426 min Scan# 3851

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

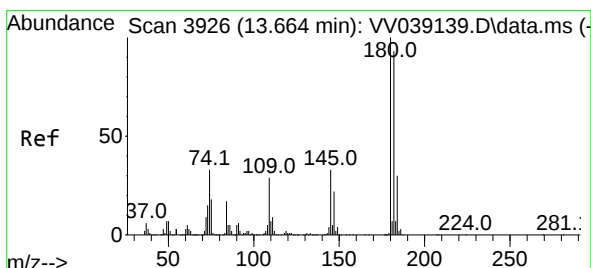
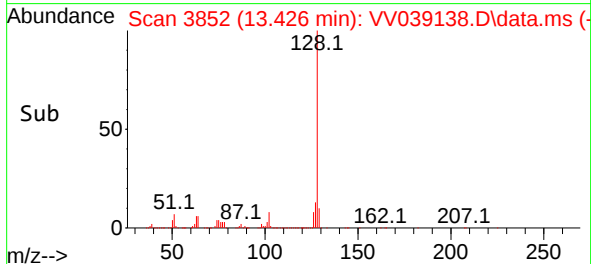
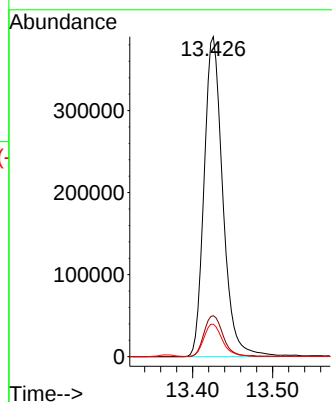
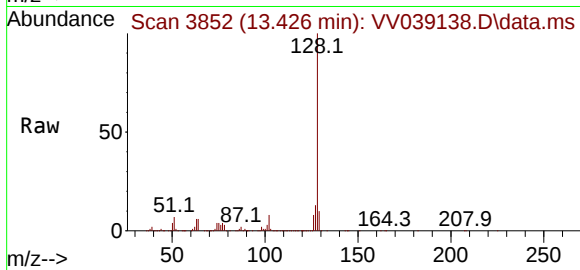
Tgt Ion:128 Resp: 634557

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 18.659 ug/l

RT: 13.667 min Scan# 3927

Delta R.T. 0.003 min

Lab File: VV039138.D

Acq: 22 Sep 2025 12:48

Tgt Ion:180 Resp: 198308

Ion Ratio Lower Upper

180 100

182 96.9 46.9 140.8

145 36.6 17.0 51.0

