

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV080825\
 Data File : VV038928.D
 Acq On : 08 Aug 2025 10:59
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 11 05:04:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V080825W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 11 04:47:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	506701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	795283	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	766385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	457645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	133639	18.339	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	36.680%#		
35) Dibromofluoromethane	4.503	113	113602	18.829	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	37.660%#		
50) Toluene-d8	7.236	98	404517	19.359	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	38.720%#		
62) 4-Bromofluorobenzene	10.001	95	143700	19.095	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	38.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	71670	21.023	ug/l	98
3) Chloromethane	1.230	50	63972	19.667	ug/l	98
4) Vinyl Chloride	1.294	62	82217	20.570	ug/l	98
5) Bromomethane	1.497	94	67115	21.421	ug/l	97
6) Chloroethane	1.561	64	57461	19.987	ug/l	94
7) Trichlorofluoromethane	1.725	101	164706	20.809	ug/l	97
8) Diethyl Ether	1.918	74	58835	19.933	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.079	101	103238	20.417	ug/l	97
10) Methyl Iodide	2.195	142	97355	19.294	ug/l	100
11) Tert butyl alcohol	2.568	59	123836	100.482	ug/l	98
12) 1,1-Dichloroethene	2.082	96	83136	19.839	ug/l	97
13) Acrolein	2.008	56	79457	92.845	ug/l	97
14) Allyl chloride	2.359	41	145486	19.853	ug/l	97
15) Acrylonitrile	2.674	53	319144	98.088	ug/l	99
16) Acetone	2.117	43	247925	94.782	ug/l	100
17) Carbon Disulfide	2.252	76	139643	20.636	ug/l	99
18) Methyl Acetate	2.378	43	217300	20.793	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	336138	19.495	ug/l	100
20) Methylene Chloride	2.455	84	106666	20.749	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	88979	19.536	ug/l	98
22) Diisopropyl ether	3.217	45	304331	20.536	ug/l	99
23) Vinyl Acetate	3.191	43	1086724	98.717	ug/l	100
24) 1,1-Dichloroethane	3.117	63	193969	20.409	ug/l	99
25) 2-Butanone	3.867	43	345802	104.015	ug/l	100
26) 2,2-Dichloropropane	3.809	77	170080	20.197	ug/l	98
27) cis-1,2-Dichloroethene	3.821	96	109099	19.881	ug/l	99
28) Bromochloromethane	4.146	49	55983	19.580	ug/l	100
29) Tetrahydrofuran	4.239	42	218244	98.882	ug/l	99
30) Chloroform	4.278	83	209703	20.278	ug/l	100
31) Cyclohexane	4.584	56	115776	19.777	ug/l	97
32) 1,1,1-Trichloroethane	4.513	97	182785	20.551	ug/l	100
36) 1,1-Dichloropropene	4.744	75	110739	20.813	ug/l	99
37) Ethyl Acetate	3.979	43	124830	17.863	ug/l	98
38) Carbon Tetrachloride	4.735	117	152640	21.493	ug/l	99
39) Methylcyclohexane	6.047	83	119478	20.522	ug/l	98
40) Benzene	5.011	78	379504	21.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.162	41	62586	21.821	ug/l	96
42) 1,2-Dichloroethane	5.040	62	146615	21.319	ug/l	100
43) Isopropyl Acetate	5.194	43	198822	20.150	ug/l	99
44) Trichloroethene	5.834	130	97813	21.000	ug/l	91
45) 1,2-Dichloropropane	6.088	63	101605	21.227	ug/l	100
46) Dibromomethane	6.230	93	79715	21.784	ug/l	96
47) Bromodichloromethane	6.426	83	171914	21.146	ug/l	98
48) Methyl methacrylate	6.301	41	85594	20.334	ug/l	96
49) 1,4-Dioxane	6.288	88	34760	372.357	ug/l	97
51) 4-Methyl-2-Pentanone	7.149	43	761779	111.380	ug/l	100
52) Toluene	7.310	92	248576	22.243	ug/l	97
53) t-1,3-Dichloropropene	7.577	75	153589	21.595	ug/l	99
54) cis-1,3-Dichloropropene	6.950	75	166954	21.502	ug/l	99
55) 1,1,2-Trichloroethane	7.763	97	115713	21.159	ug/l	98
56) Ethyl methacrylate	7.718	69	139922	19.556	ug/l	99
57) 1,3-Dichloropropane	7.937	76	178518	21.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	333679	103.985	ug/l	98
59) 2-Hexanone	8.066	43	554812	112.382	ug/l	100
60) Dibromochloromethane	8.169	129	143159	21.378	ug/l	98
61) 1,2-Dibromoethane	8.275	107	118293	21.790	ug/l	99
64) Tetrachloroethene	7.899	164	90926	20.215	ug/l	98
65) Chlorobenzene	8.805	112	303335	20.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	119781	20.327	ug/l	99
67) Ethyl Benzene	8.937	91	462109	21.000	ug/l	98
68) m/p-Xylenes	9.062	106	371423	43.797	ug/l	99
69) o-Xylene	9.468	106	166804	20.917	ug/l	99
70) Styrene	9.487	104	312142	21.741	ug/l	99
71) Bromoform	9.654	173	101962	20.591	ug/l	100
73) Isopropylbenzene	9.857	105	489765	20.503	ug/l	99
74) N-amyl acetate	9.725	43	167913	20.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	197792	19.366	ug/l	98
76) 1,2,3-Trichloropropane	10.197	75	149032	19.917	ug/l	96
77) Bromobenzene	10.143	156	130479	20.348	ug/l	96
78) n-propylbenzene	10.278	91	590846	20.967	ug/l	99
79) 2-Chlorotoluene	10.349	91	360084	20.819	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	428459	21.259	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	60226	20.166	ug/l	95
82) 4-Chlorotoluene	10.464	91	428204	21.168	ug/l	100
83) tert-Butylbenzene	10.789	119	423236	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	422548	21.125	ug/l	99
85) sec-Butylbenzene	11.014	105	557711	20.558	ug/l	100
86) p-Isopropyltoluene	11.168	119	484665	20.508	ug/l	100
87) 1,3-Dichlorobenzene	11.107	146	268721	20.048	ug/l	100
88) 1,4-Dichlorobenzene	11.197	146	285438	19.554	ug/l	98
89) n-Butylbenzene	11.580	91	443937	20.320	ug/l	99
90) Hexachloroethane	11.821	117	108711	19.501	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	250401	19.763	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	42369	18.941	ug/l	97
93) 1,2,4-Trichlorobenzene	13.184	180	155578	19.468	ug/l	100
94) Hexachlorobutadiene	13.371	225	80418	19.044	ug/l	98
95) Naphthalene	13.426	128	470095	18.747	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	156704	19.161	ug/l	99

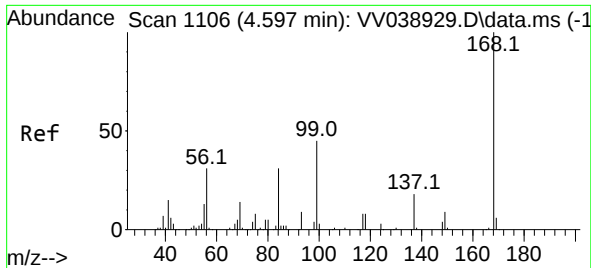
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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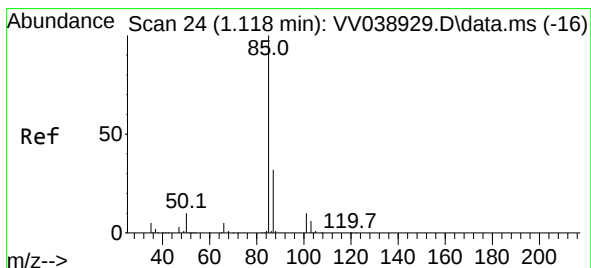
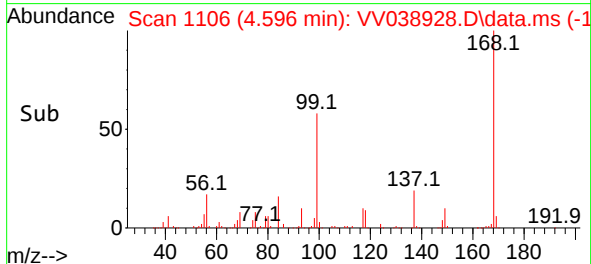
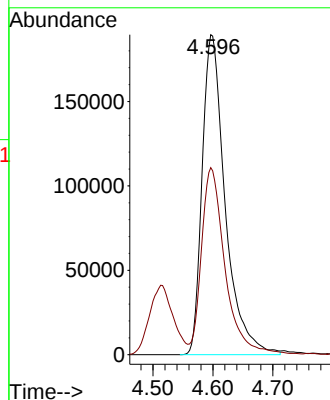
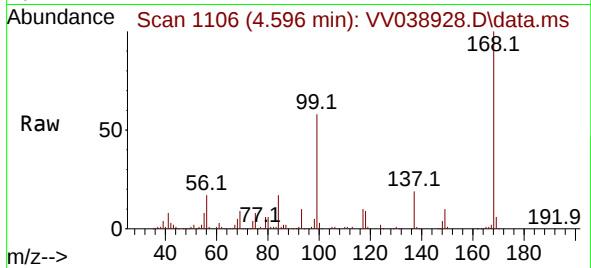
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.001 min
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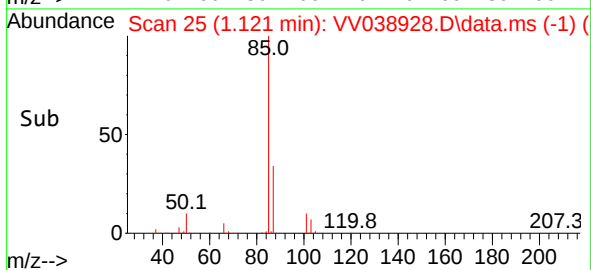
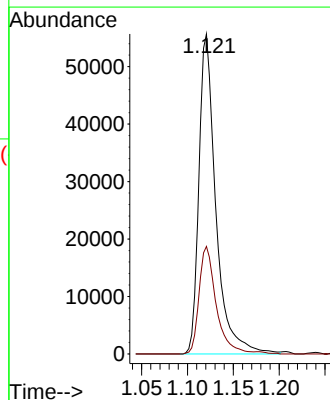
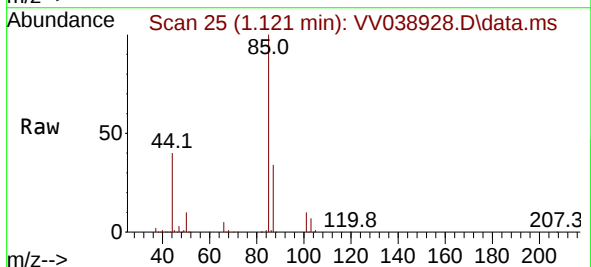
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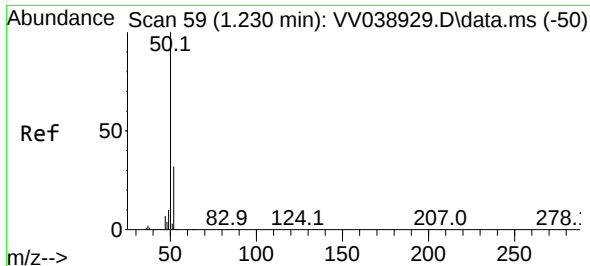
Tgt Ion:168 Resp: 506701
Ion Ratio Lower Upper
168 100
99 57.7 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 21.023 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 85 Resp: 71670
Ion Ratio Lower Upper
85 100
87 33.6 16.2 48.6

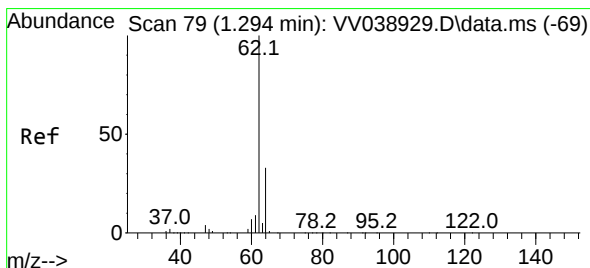
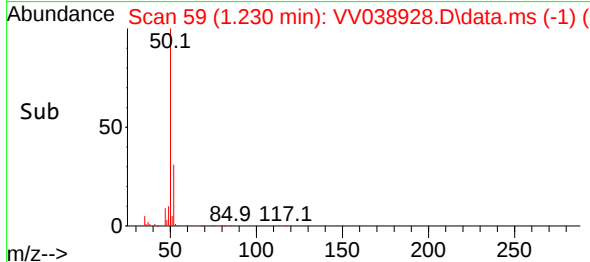
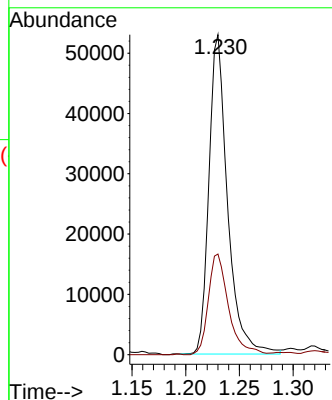
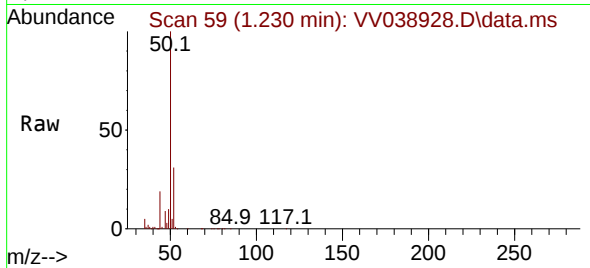




#3
Chloromethane
Concen: 19.667 ug/l
RT: 1.230 min Scan# 59
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

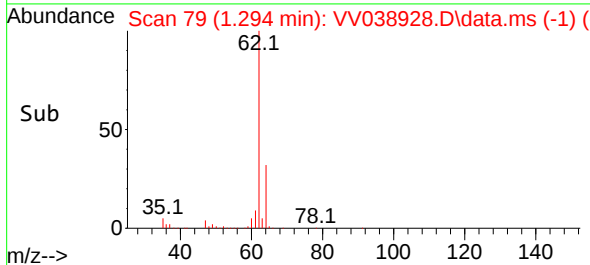
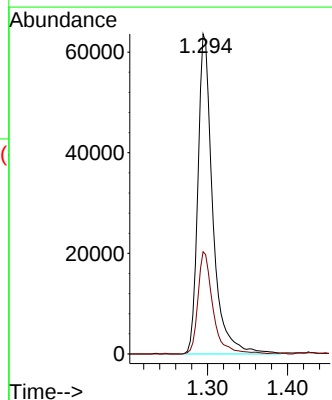
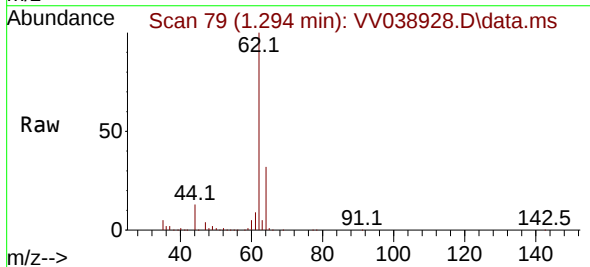
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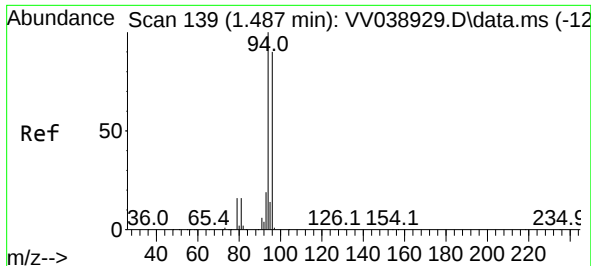
Tgt Ion: 50 Resp: 63972
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9



#4
Vinyl Chloride
Concen: 20.570 ug/l
RT: 1.294 min Scan# 79
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 62 Resp: 82217
Ion Ratio Lower Upper
62 100
64 32.0 26.6 40.0

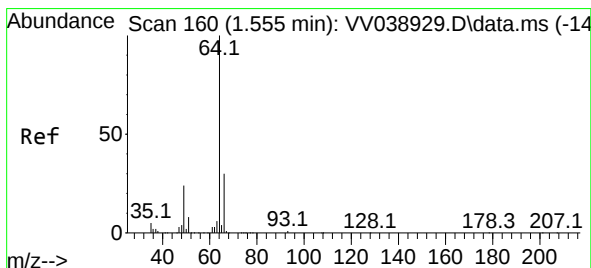
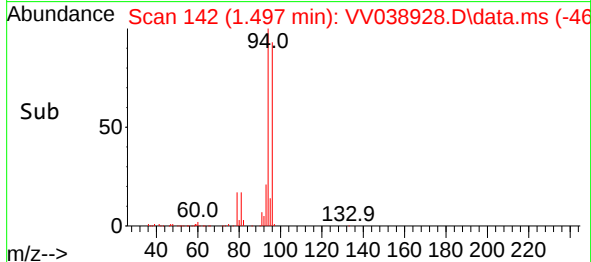
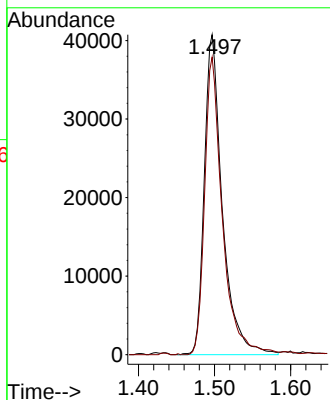
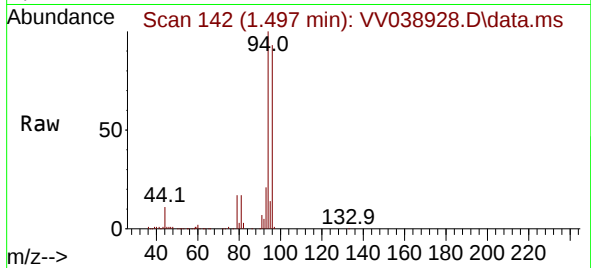




#5
Bromomethane
Concen: 21.421 ug/l
RT: 1.497 min Scan# 14
Delta R.T. 0.009 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

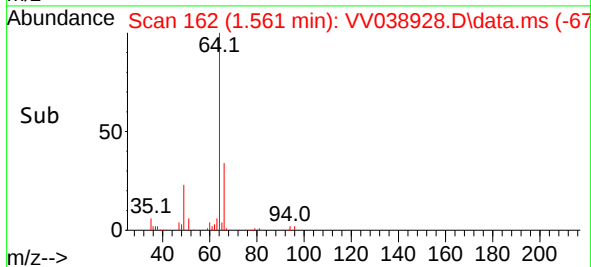
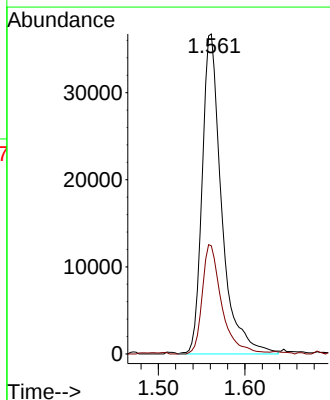
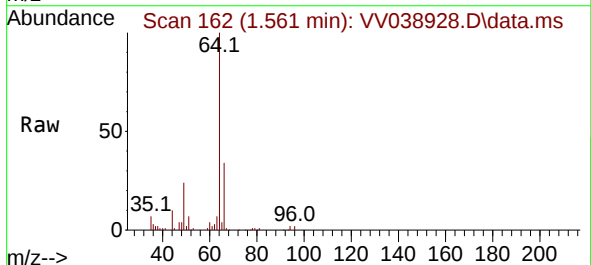
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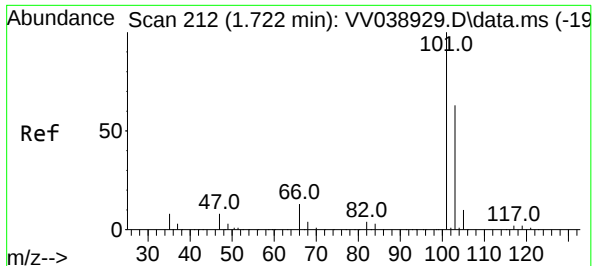
Tgt Ion: 94 Resp: 67115
Ion Ratio Lower Upper
94 100
96 92.6 71.8 107.8



#6
Chloroethane
Concen: 19.987 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 64 Resp: 57461
Ion Ratio Lower Upper
64 100
66 33.8 24.3 36.5

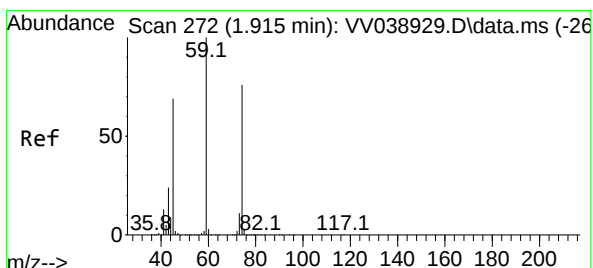
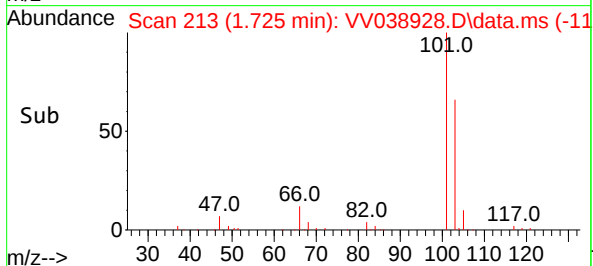
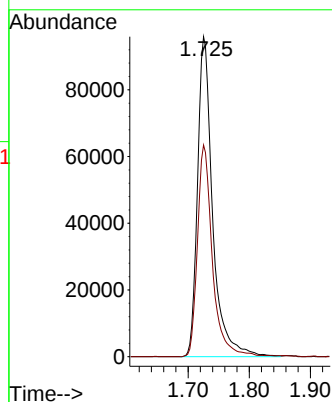
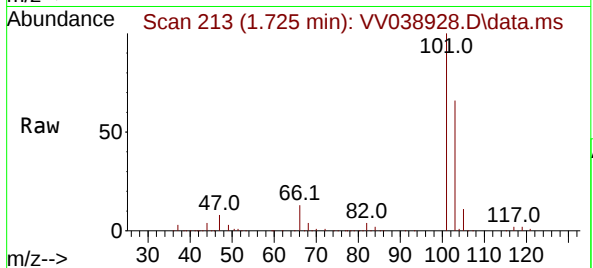




#7
Trichlorofluoromethane
Concen: 20.809 ug/l
RT: 1.725 min Scan# 212
Delta R.T. 0.003 min
Lab File: VV038928.D
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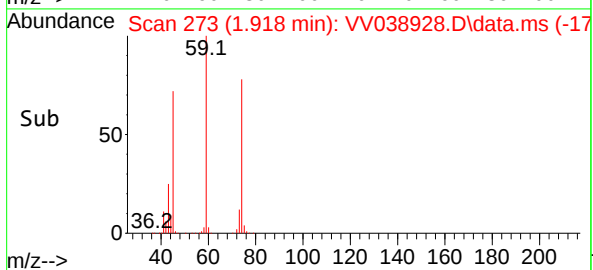
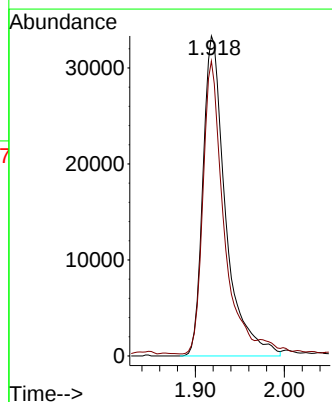
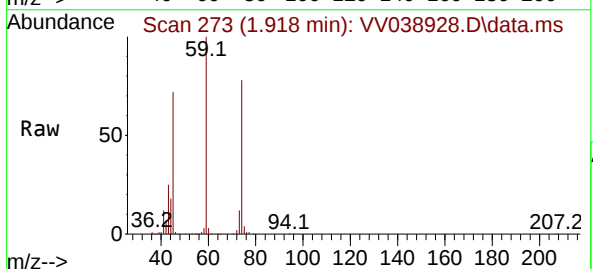
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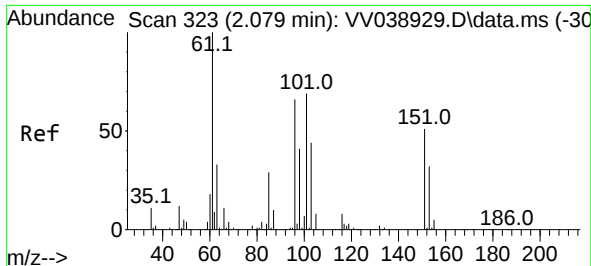
Tgt Ion:101 Resp: 164706
Ion Ratio Lower Upper
101 100
103 66.1 50.8 76.2



#8
Diethyl Ether
Concen: 19.933 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 74 Resp: 58835
Ion Ratio Lower Upper
74 100
45 82.3 44.8 134.4

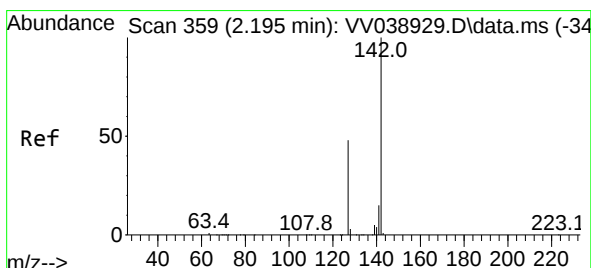
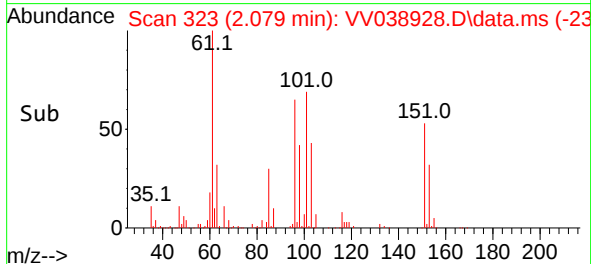
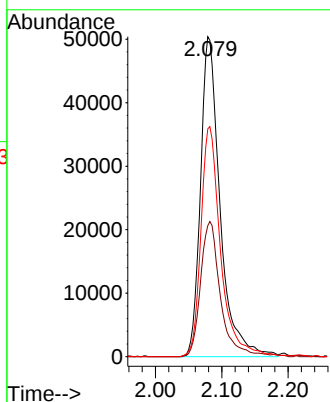
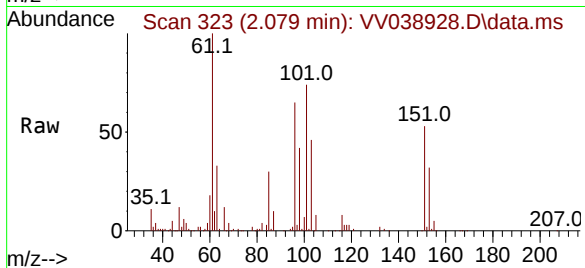




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.417 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV038928.D
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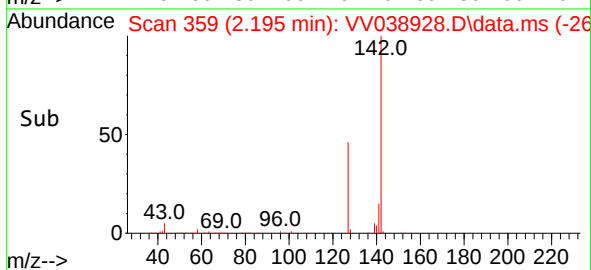
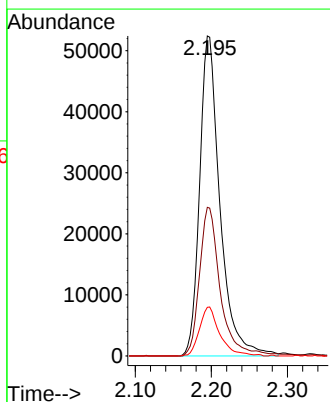
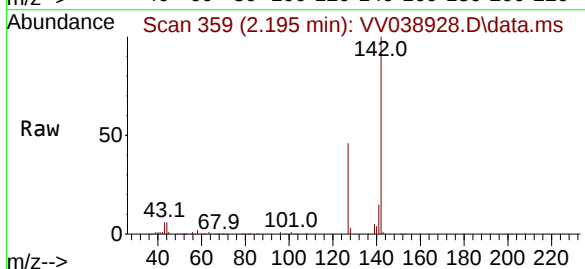
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

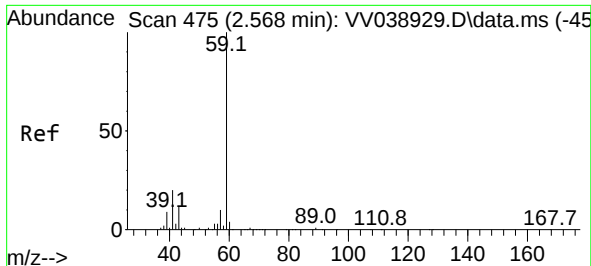
Tgt Ion:101 Resp: 103238
Ion Ratio Lower Upper
101 100
85 42.8 35.1 52.7
151 72.5 60.6 91.0



#10
Methyl Iodide
Concen: 19.294 ug/l
RT: 2.195 min Scan# 359
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion:142 Resp: 97355
Ion Ratio Lower Upper
142 100
127 47.7 38.2 57.2
141 15.2 11.6 17.4

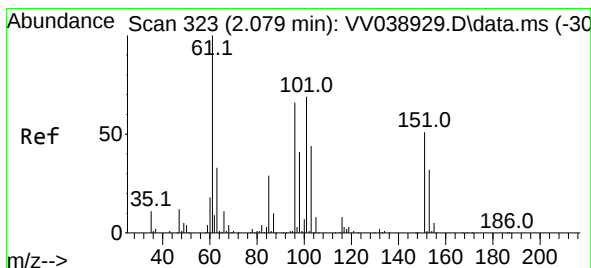
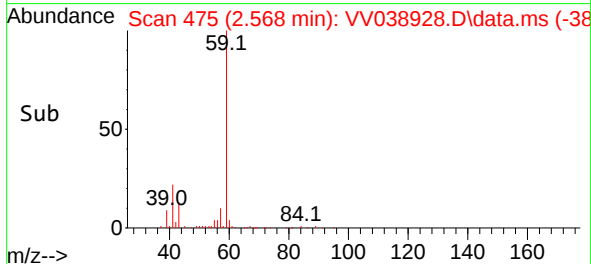
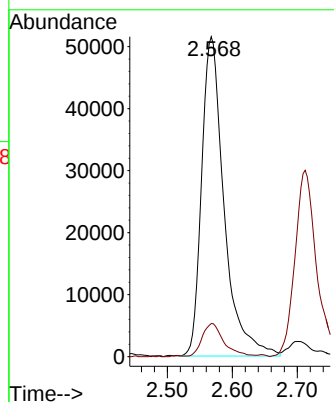
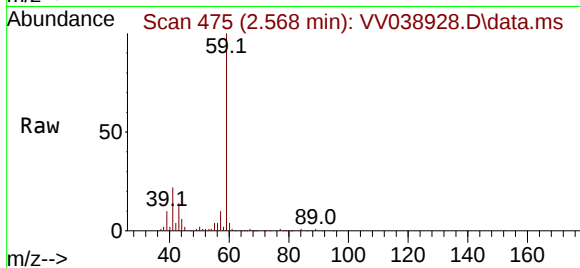




#11
Tert butyl alcohol
Concen: 100.482 ug/l
RT: 2.568 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

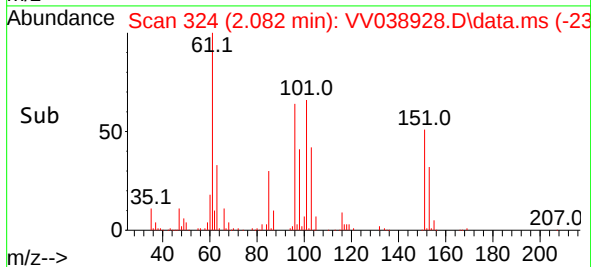
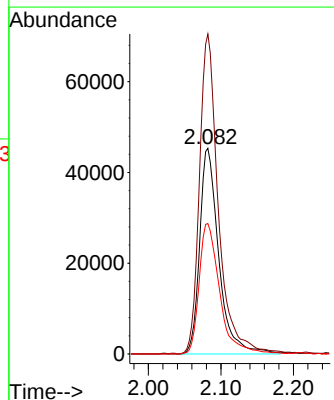
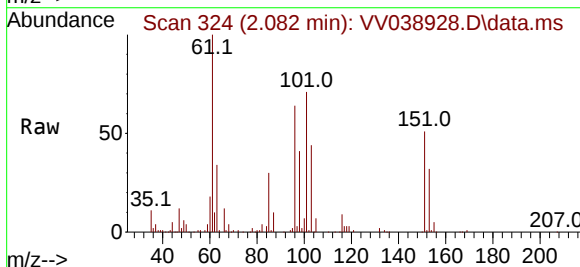
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

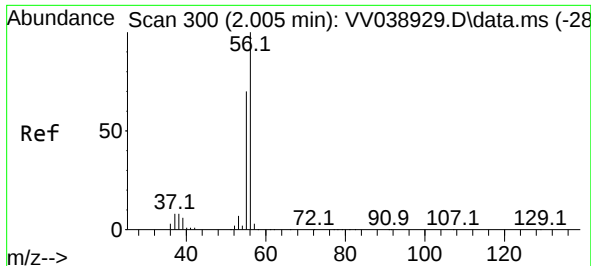
Tgt Ion: 59 Resp: 123836
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.839 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 96 Resp: 83136
Ion Ratio Lower Upper
96 100
61 155.7 121.0 181.4
98 63.4 49.4 74.2

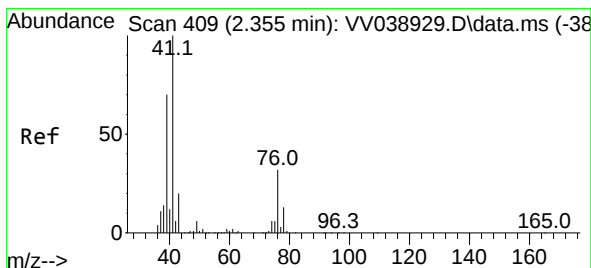
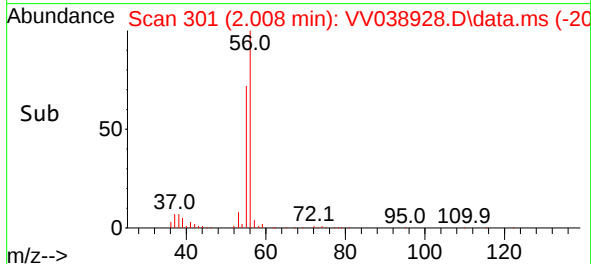
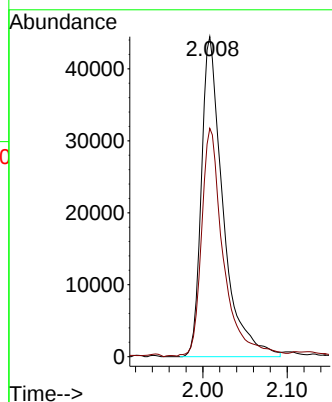
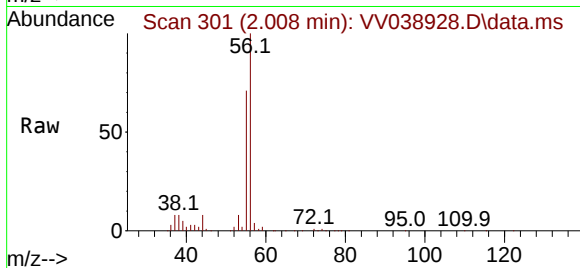




#13
Acrolein
Concen: 92.845 ug/l
RT: 2.008 min Scan# 301
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

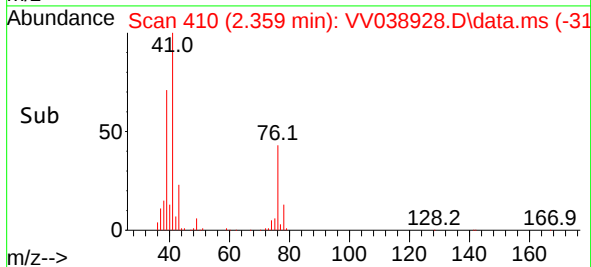
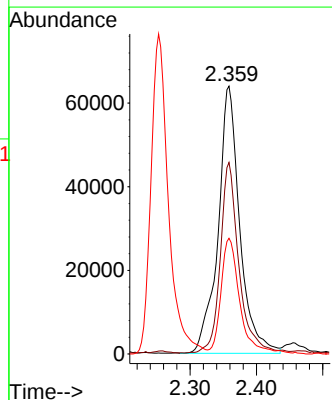
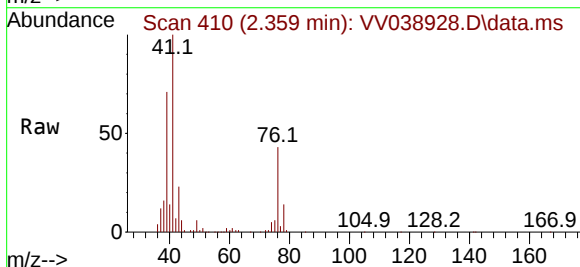
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

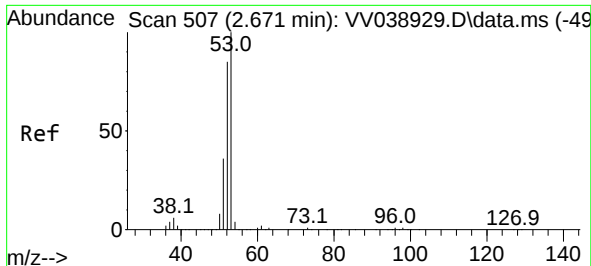
Tgt Ion: 56 Resp: 79457
Ion Ratio Lower Upper
56 100
55 71.4 55.1 82.7



#14
Allyl chloride
Concen: 19.853 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 41 Resp: 145486
Ion Ratio Lower Upper
41 100
39 60.6 49.9 74.9
76 34.6 29.7 44.5

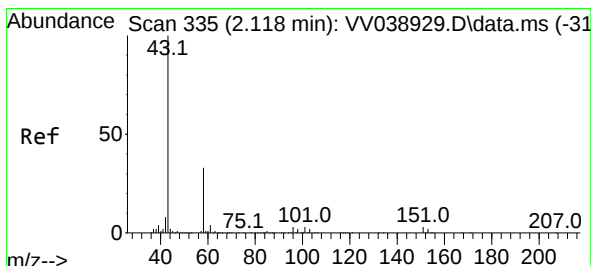
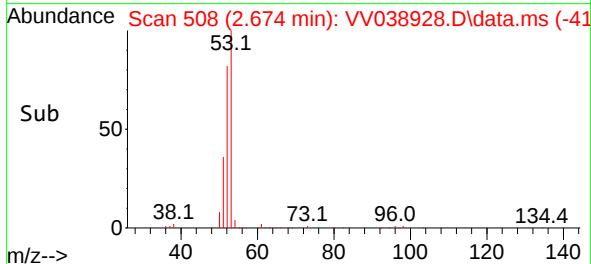
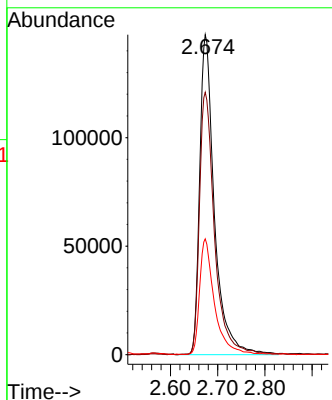
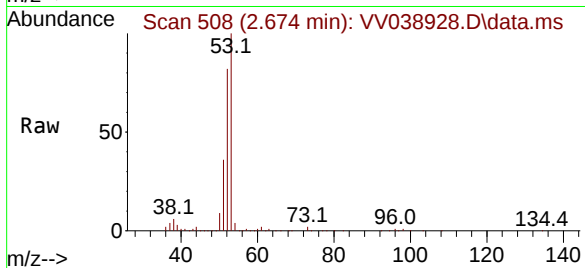




#15
Acrylonitrile
Concen: 98.088 ug/l
RT: 2.674 min Scan# 507
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

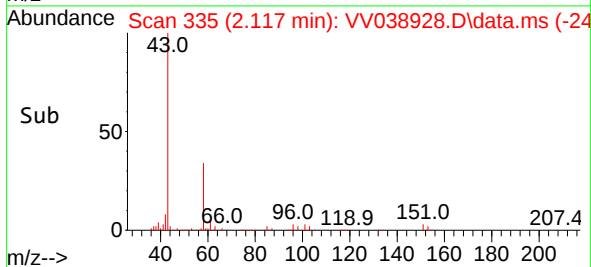
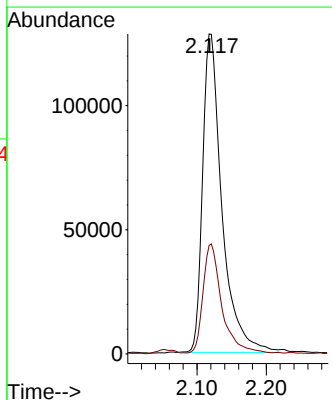
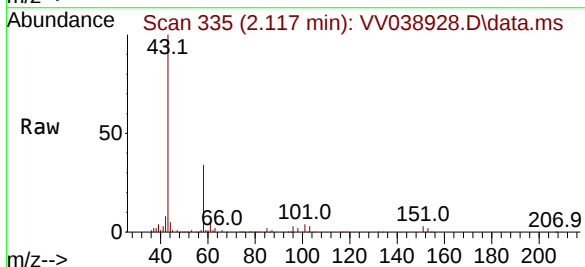
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

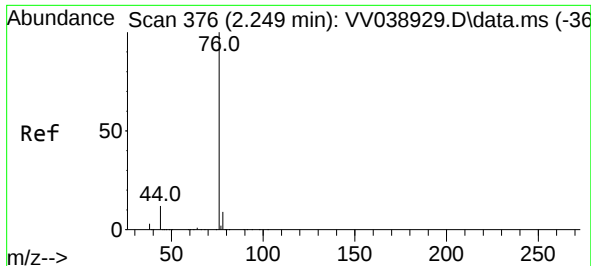
Tgt Ion: 53 Resp: 319144
Ion Ratio Lower Upper
53 100
52 84.2 66.4 99.6
51 36.5 28.6 43.0



#16
Acetone
Concen: 94.782 ug/l
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 43 Resp: 247925
Ion Ratio Lower Upper
43 100
58 33.6 26.8 40.2

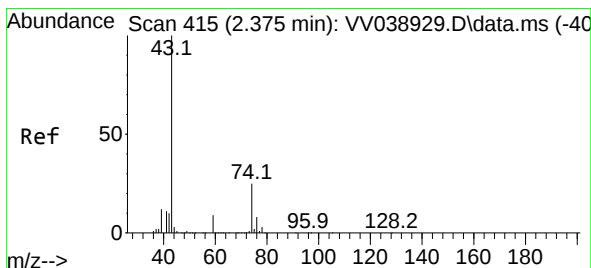
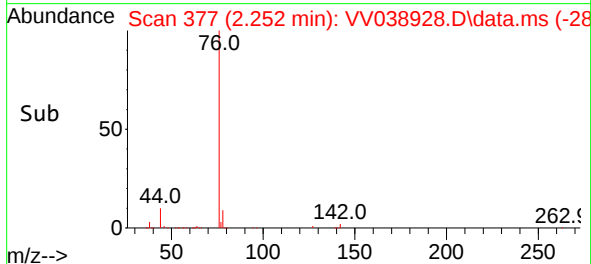
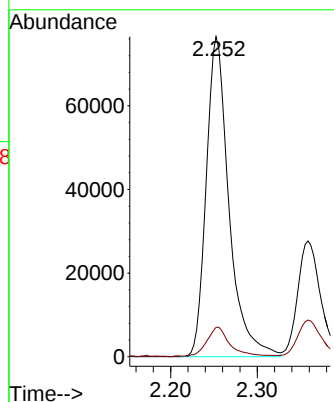
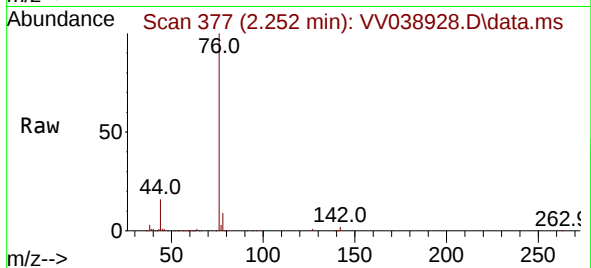




#17
Carbon Disulfide
Concen: 20.636 ug/l
RT: 2.252 min Scan# 317
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

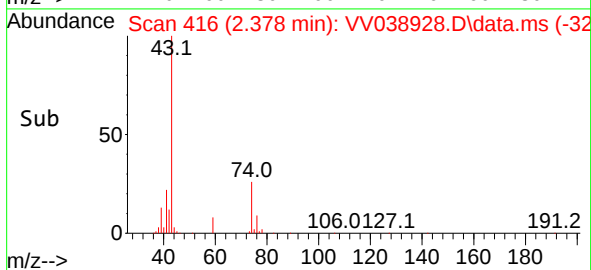
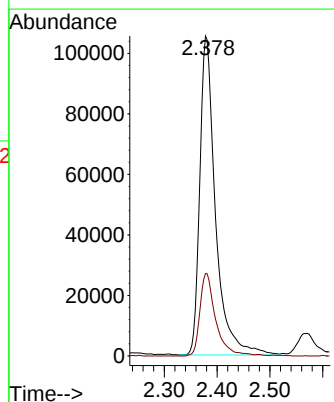
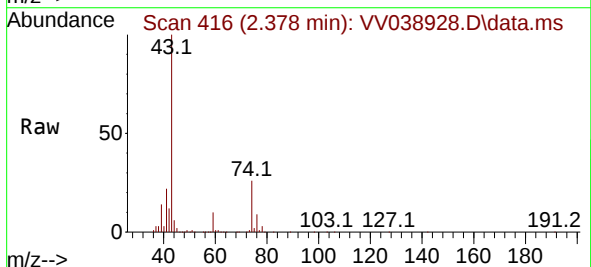
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

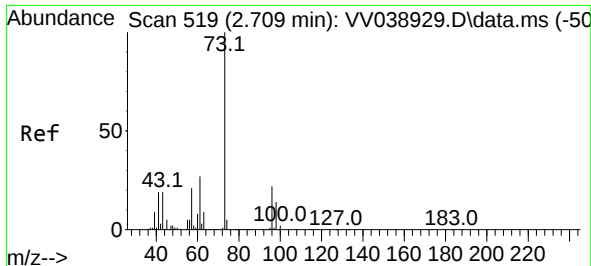
Tgt Ion: 76 Resp: 139643
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 20.793 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 43 Resp: 217300
Ion Ratio Lower Upper
43 100
74 25.8 20.6 30.8

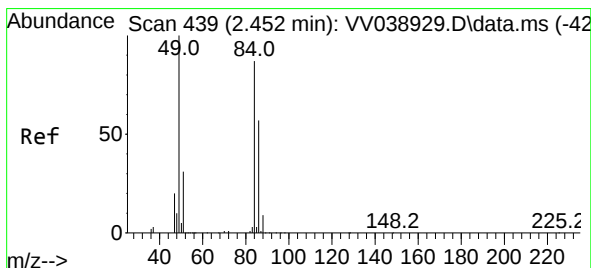
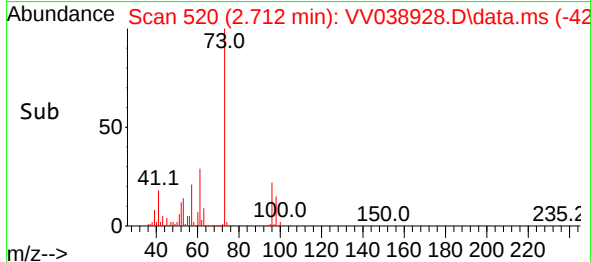
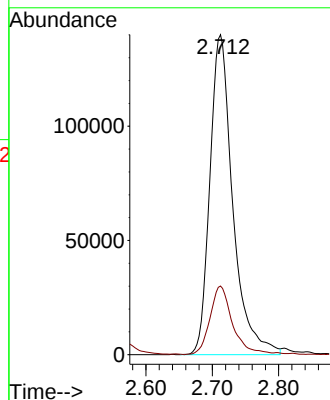
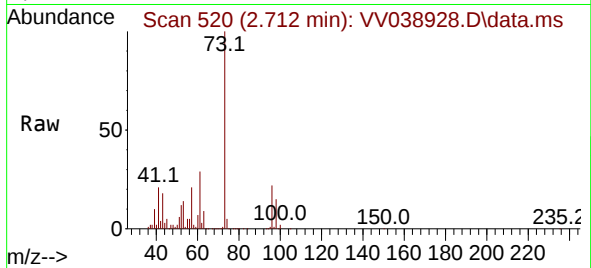




#19
Methyl tert-butyl Ether
Concen: 19.495 ug/l
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

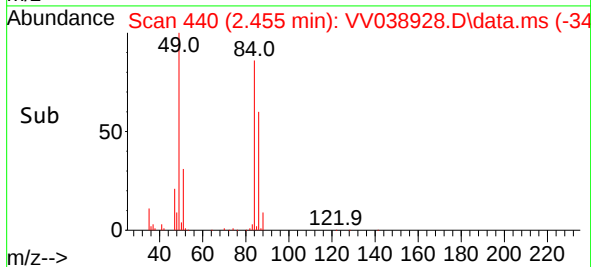
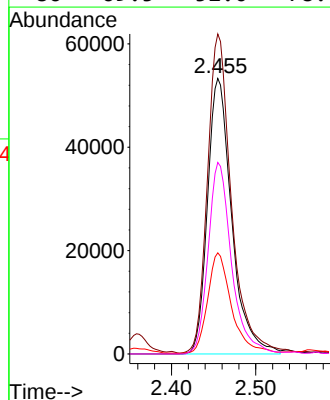
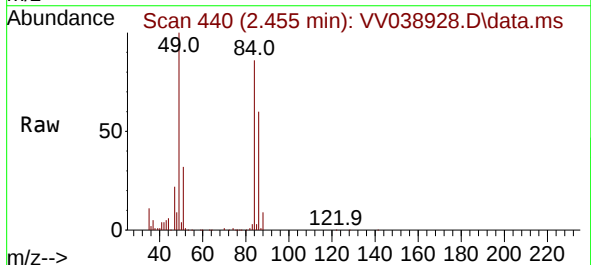
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

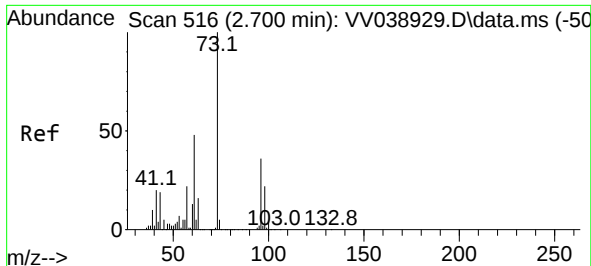
Tgt Ion: 73 Resp: 336138
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6



#20
Methylene Chloride
Concen: 20.749 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 84 Resp: 106666
Ion Ratio Lower Upper
84 100
49 115.9 91.7 137.5
51 36.5 28.3 42.5
86 69.5 52.0 78.0

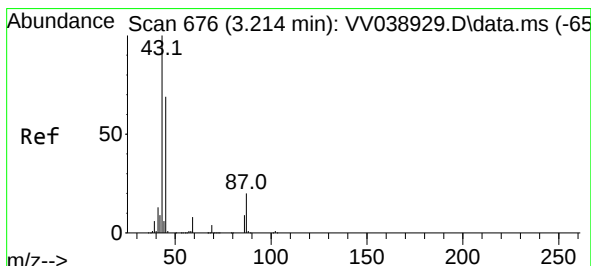
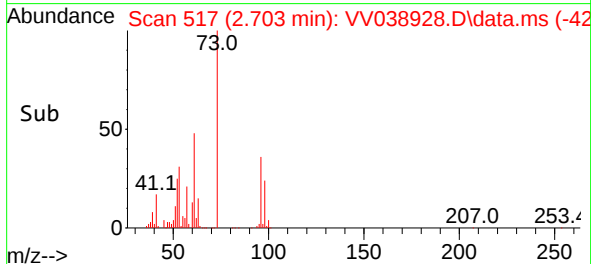
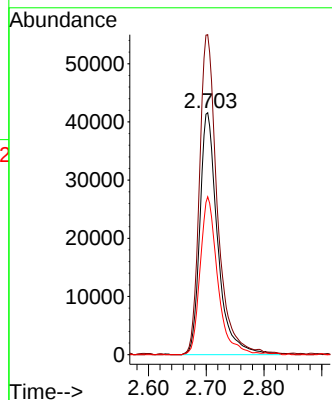
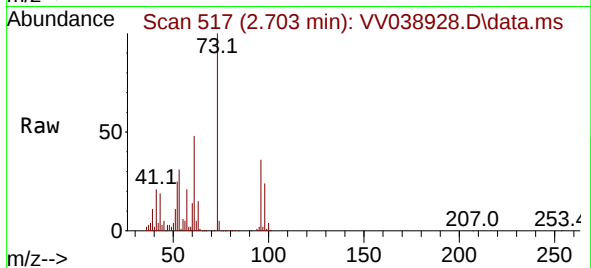




#21
trans-1,2-Dichloroethene
Concen: 19.536 ug/l
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

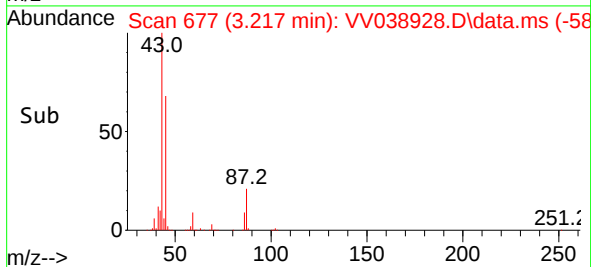
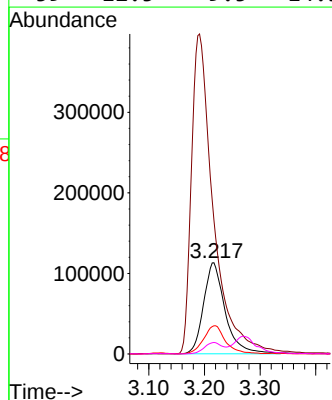
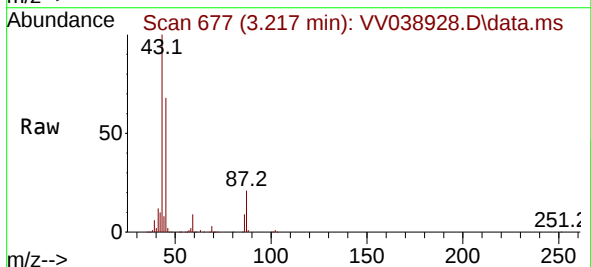
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

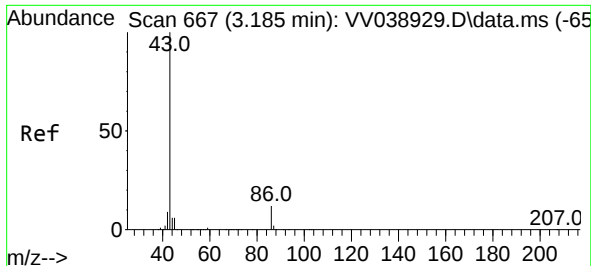
Tgt Ion: 96 Resp: 88979
Ion Ratio Lower Upper
96 100
61 132.3 106.2 159.4
98 65.3 49.8 74.8



#22
Diisopropyl ether
Concen: 20.536 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 45 Resp: 304331
Ion Ratio Lower Upper
45 100
43 145.6 115.3 172.9
87 30.7 23.8 35.6
59 12.5 9.5 14.3

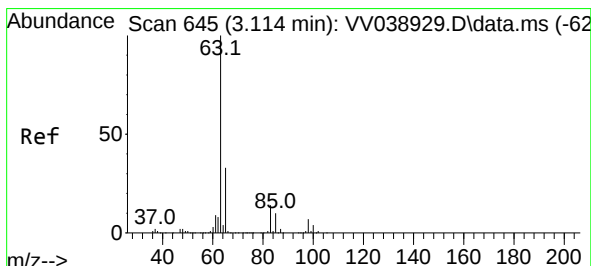
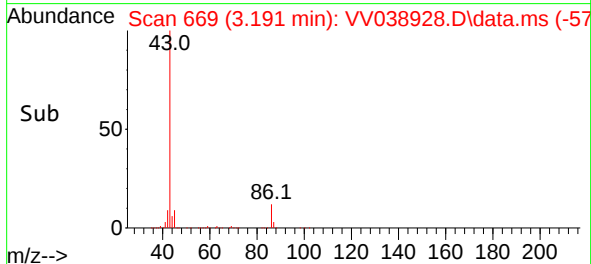
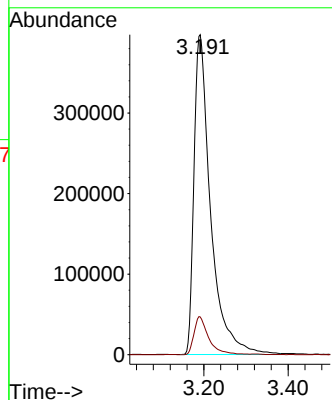
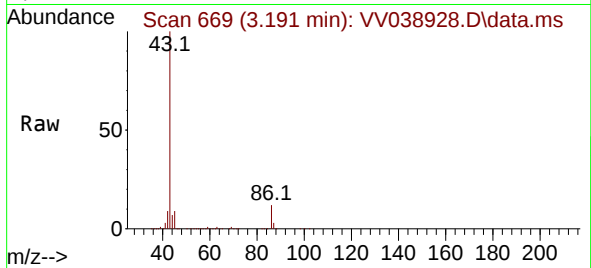




#23
 Vinyl Acetate
 Concen: 98.717 ug/l
 RT: 3.191 min Scan# 669
 Delta R.T. 0.006 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

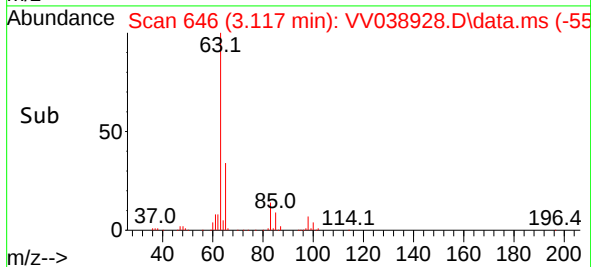
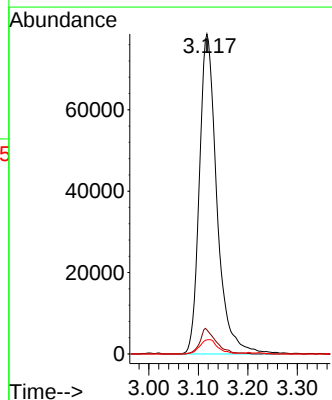
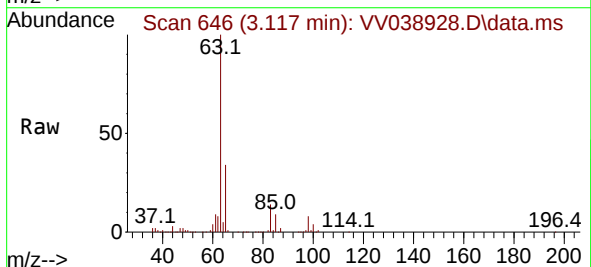
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

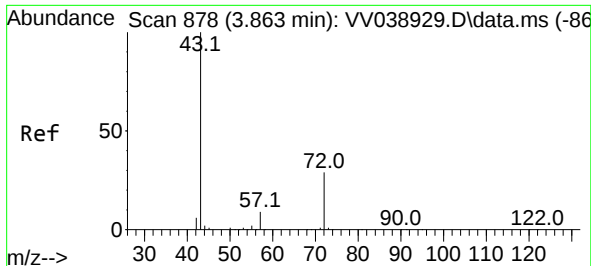
Tgt Ion: 43 Resp: 1086724
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.5 14.3



#24
 1,1-Dichloroethane
 Concen: 20.409 ug/l
 RT: 3.117 min Scan# 646
 Delta R.T. 0.003 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

Tgt Ion: 63 Resp: 193969
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 4.4 2.2 6.6

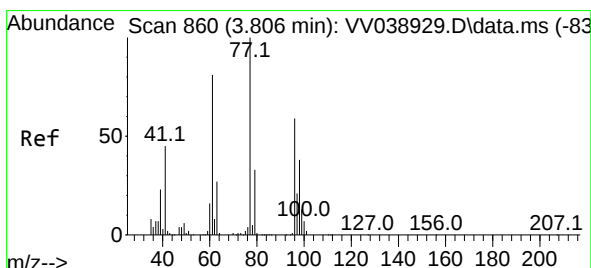
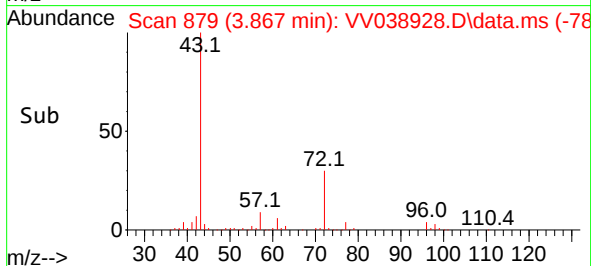
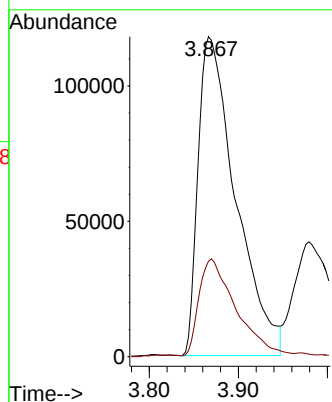
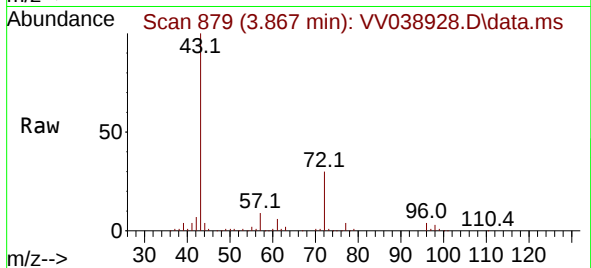




#25
2-Butanone
Concen: 104.015 ug/l
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

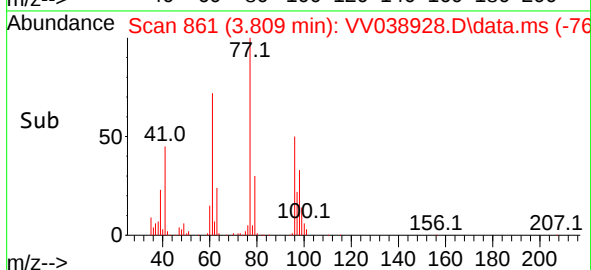
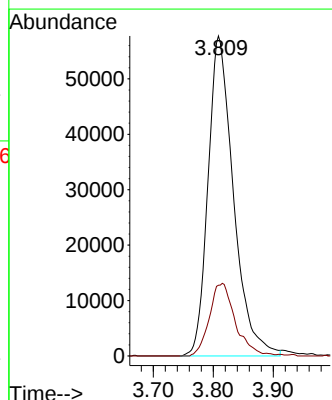
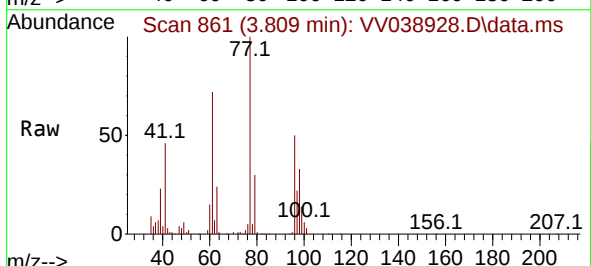
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

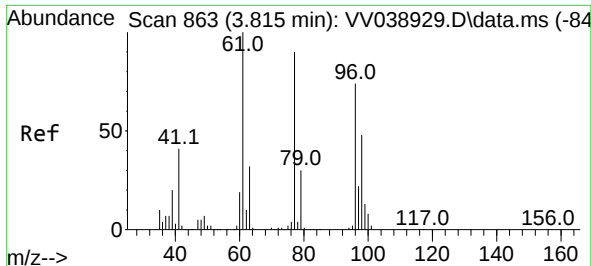
Tgt Ion: 43 Resp: 345802
Ion Ratio Lower Upper
43 100
72 29.6 23.5 35.3



#26
2,2-Dichloropropane
Concen: 20.197 ug/l
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 77 Resp: 170080
Ion Ratio Lower Upper
77 100
97 23.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.881 ug/l

RT: 3.821 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

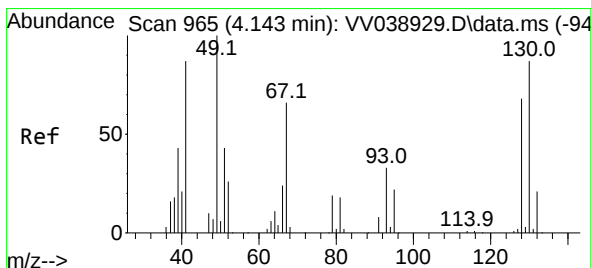
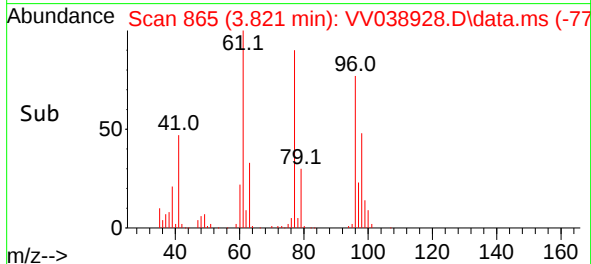
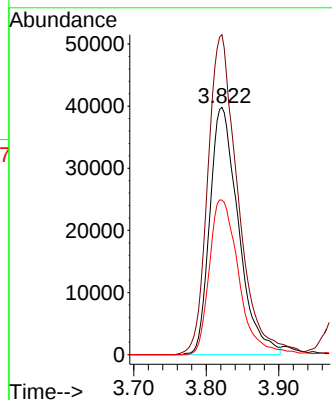
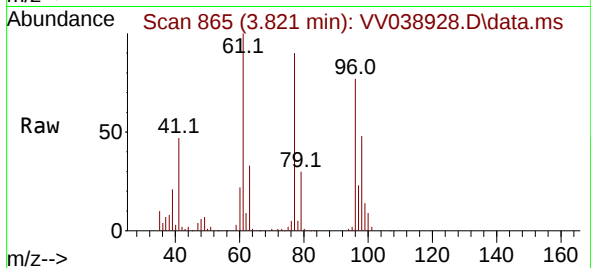
Tgt Ion: 96 Resp: 109099

Ion Ratio Lower Upper

96 100

61 136.3 0.0 270.4

98 64.5 0.0 128.0



#28

Bromochloromethane

Concen: 19.580 ug/l

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

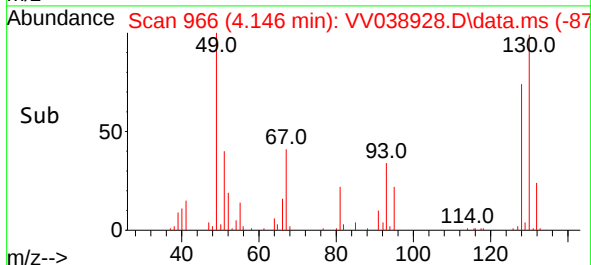
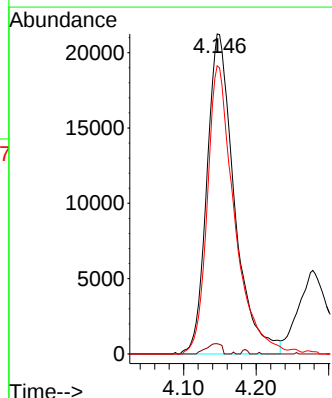
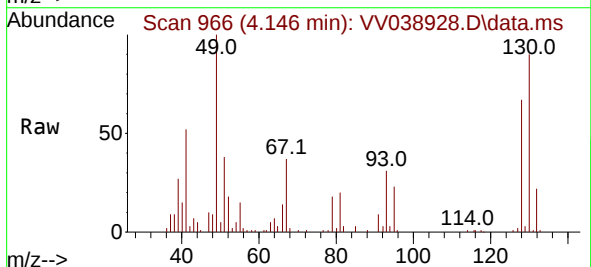
Tgt Ion: 49 Resp: 55983

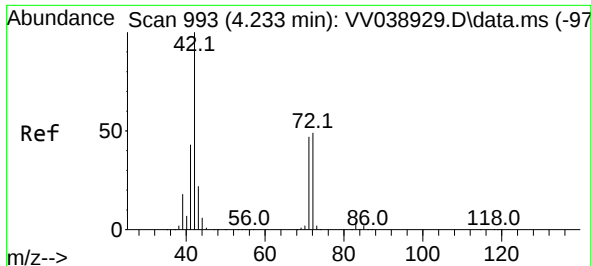
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 88.5 70.9 106.3

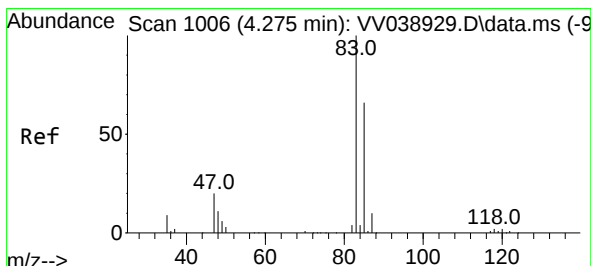
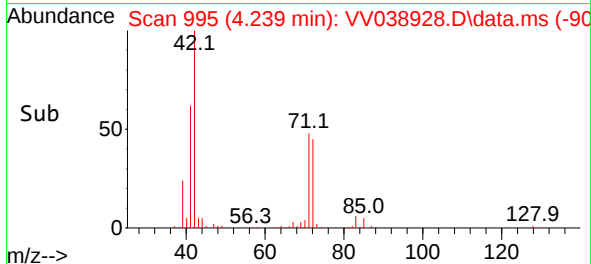
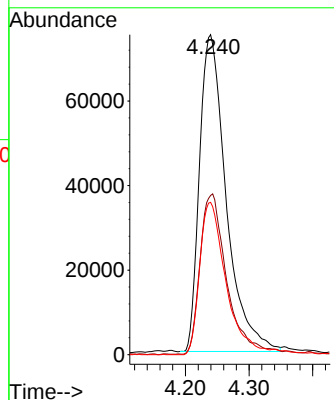
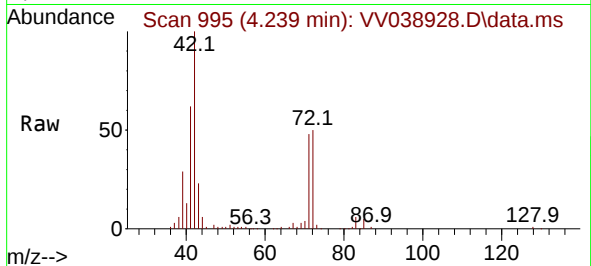




#29
Tetrahydrofuran
Concen: 98.882 ug/l
RT: 4.239 min Scan# 993
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

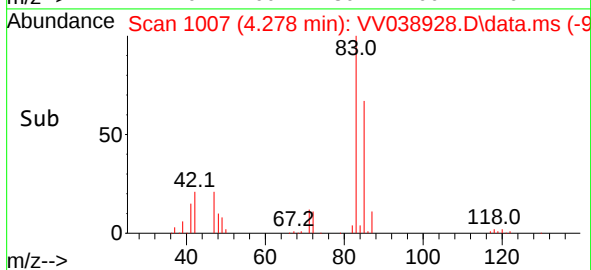
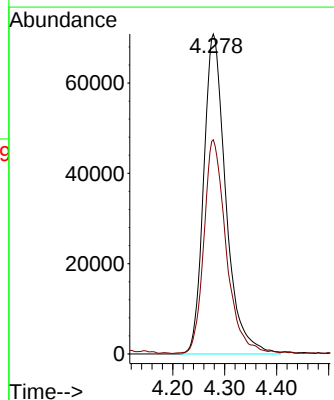
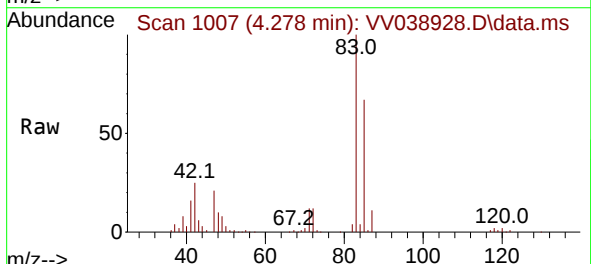
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

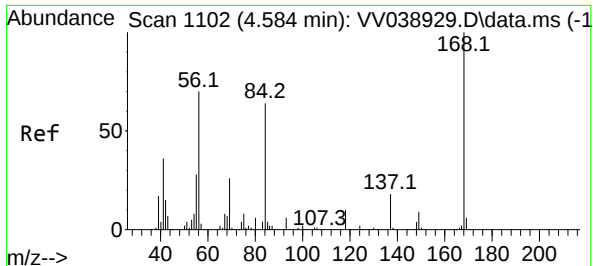
Tgt Ion: 42 Resp: 218244
Ion Ratio Lower Upper
42 100
72 50.6 39.9 59.9
71 47.2 37.4 56.0



#30
Chloroform
Concen: 20.278 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 83 Resp: 209703
Ion Ratio Lower Upper
83 100
85 66.6 53.0 79.6

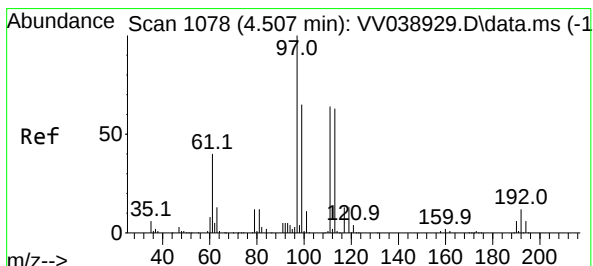
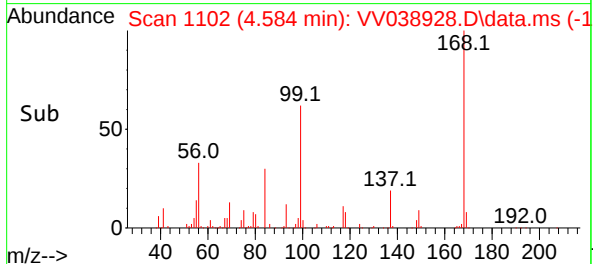
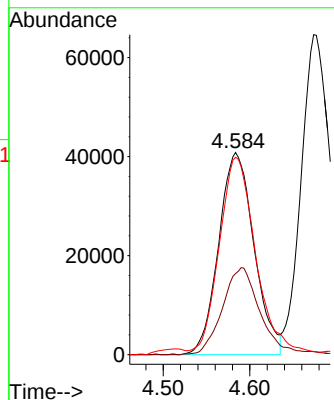
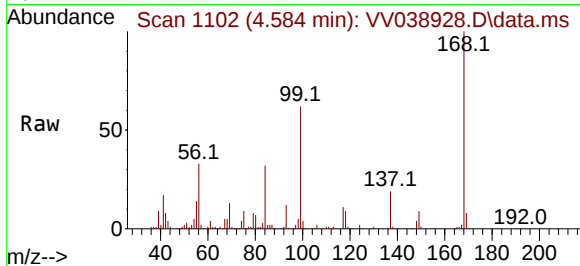




#31
Cyclohexane
Concen: 19.777 ug/l
RT: 4.584 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

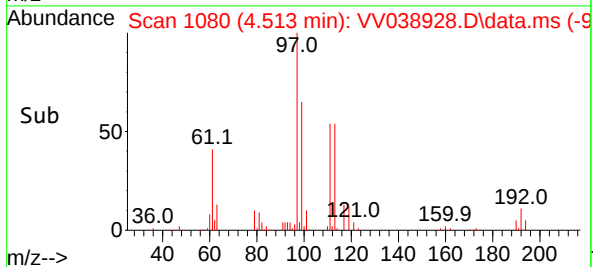
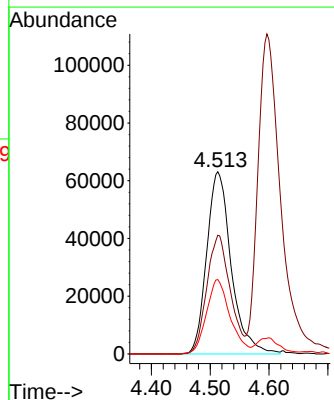
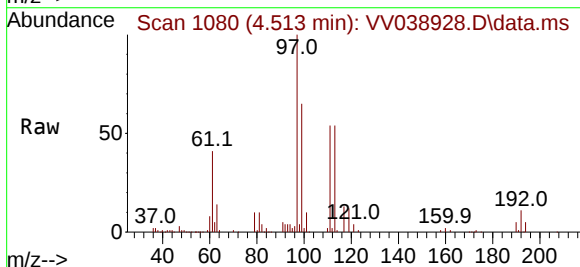
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

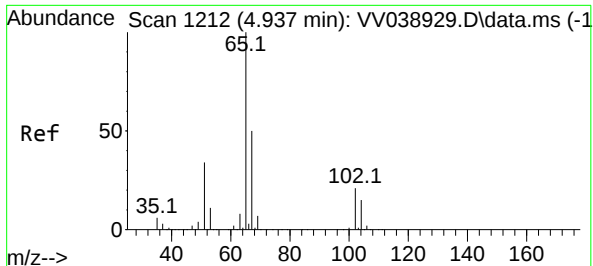
Tgt Ion: 56 Resp: 115776
Ion Ratio Lower Upper
56 100
69 40.2 30.2 45.2
84 94.9 73.6 110.4



#32
1,1,1-Trichloroethane
Concen: 20.551 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 97 Resp: 182785
Ion Ratio Lower Upper
97 100
99 62.0 49.8 74.6
61 39.4 31.8 47.8





#33

1,2-Dichloroethane-d4

Concen: 18.339 ug/l

RT: 4.944 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

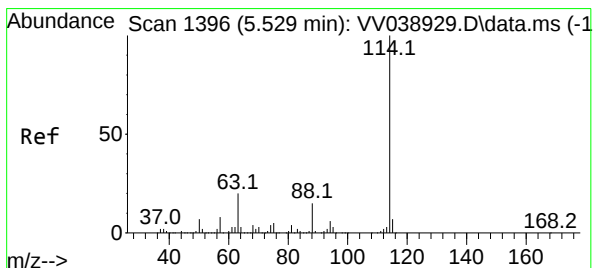
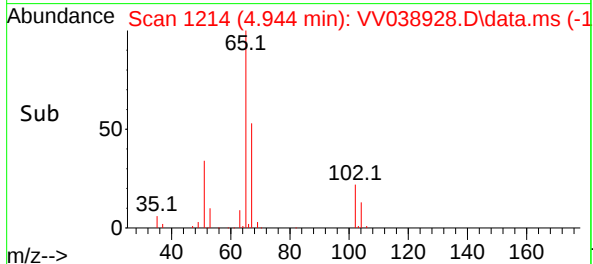
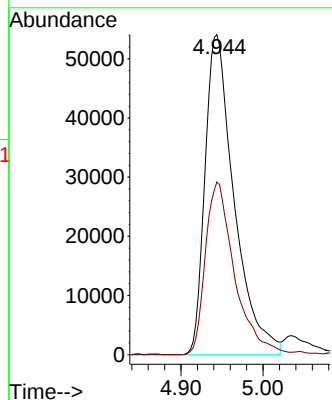
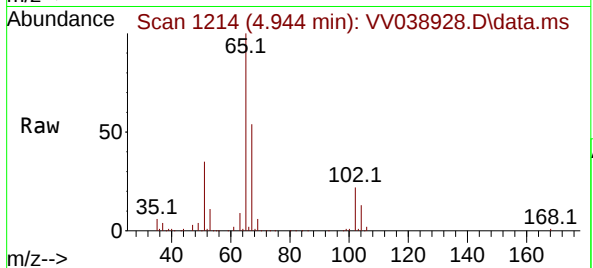
VSTDIC020

Tgt Ion: 65 Resp: 133639

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

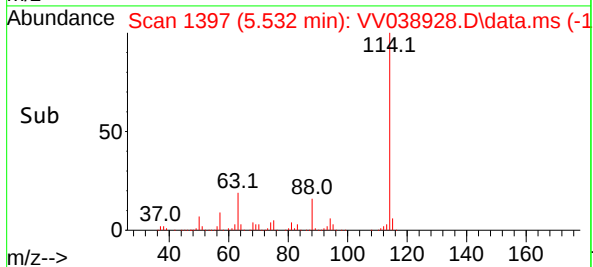
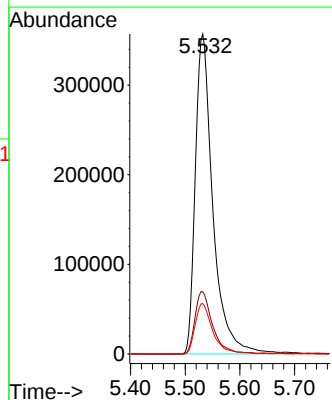
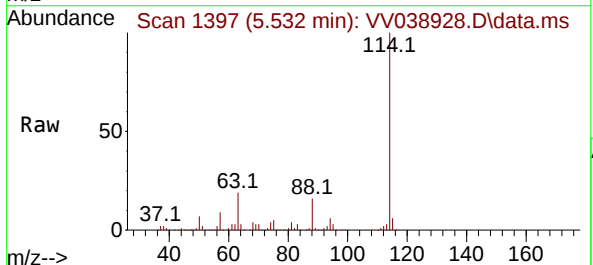
Tgt Ion: 114 Resp: 795283

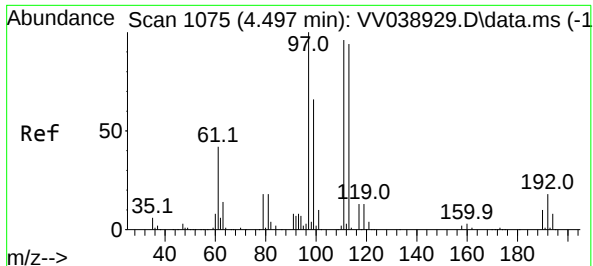
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 18.829 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

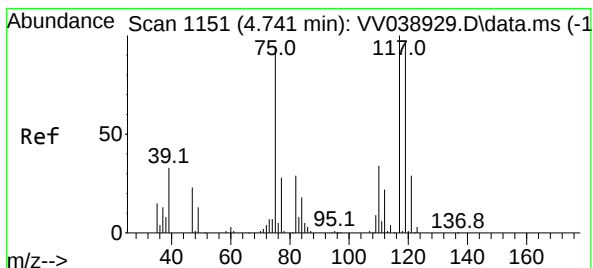
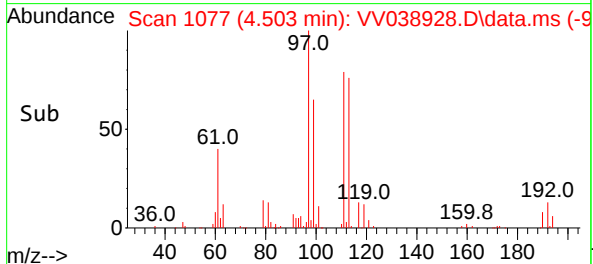
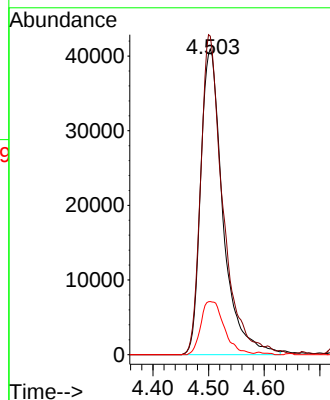
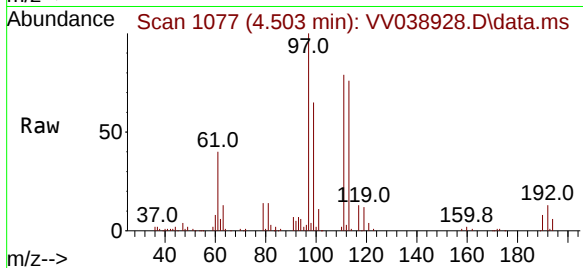
Tgt Ion:113 Resp: 113602

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 18.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 20.813 ug/l

RT: 4.744 min Scan# 1152

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

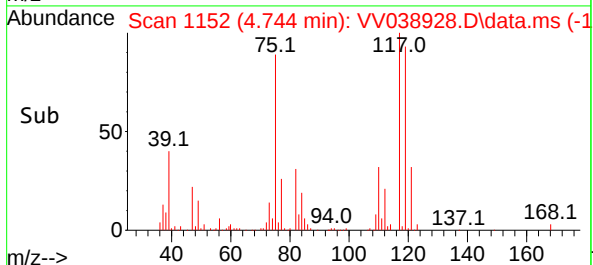
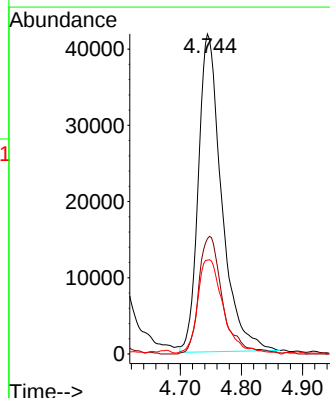
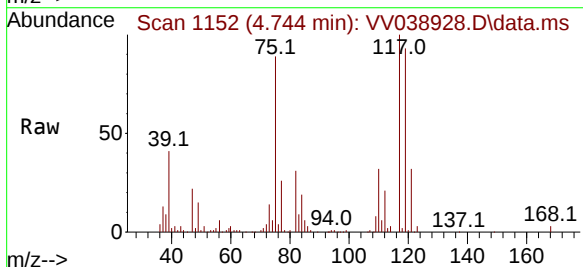
Tgt Ion: 75 Resp: 110739

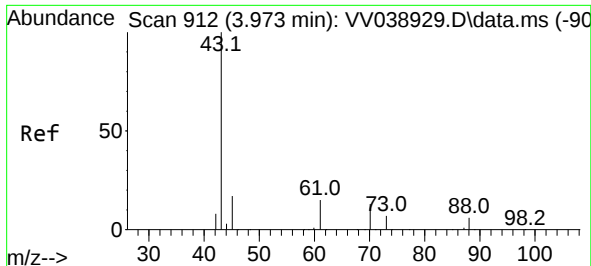
Ion Ratio Lower Upper

75 100

110 38.0 19.5 58.5

77 31.7 25.0 37.6





#37

Ethyl Acetate

Concen: 17.863 ug/l

RT: 3.979 min Scan# 912

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

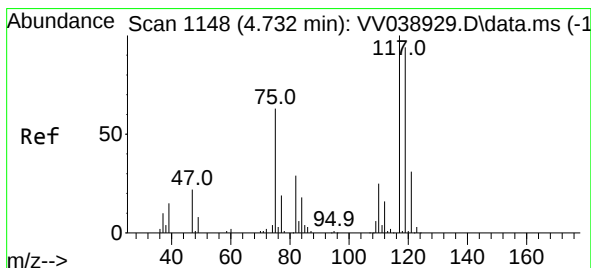
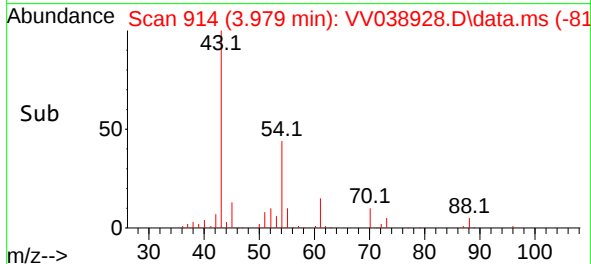
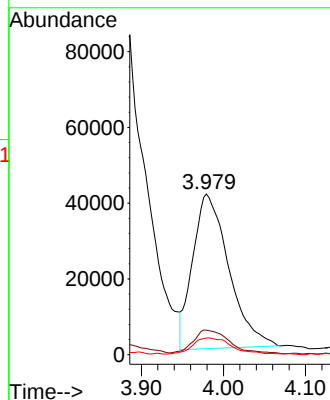
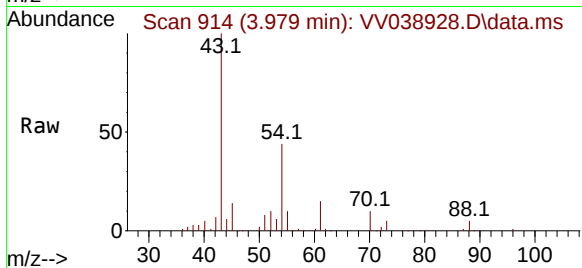
Tgt Ion: 43 Resp: 124830

Ion Ratio Lower Upper

43 100

61 16.0 12.0 18.0

70 10.9 8.6 13.0



#38

Carbon Tetrachloride

Concen: 21.493 ug/l

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

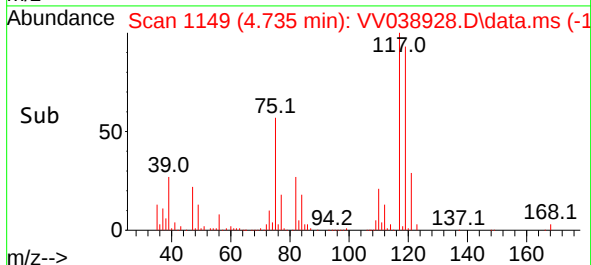
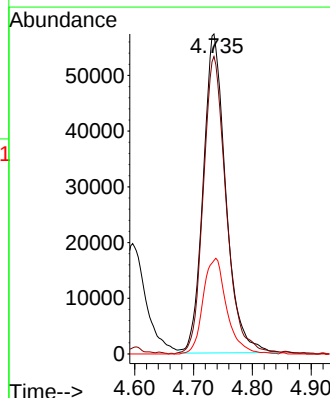
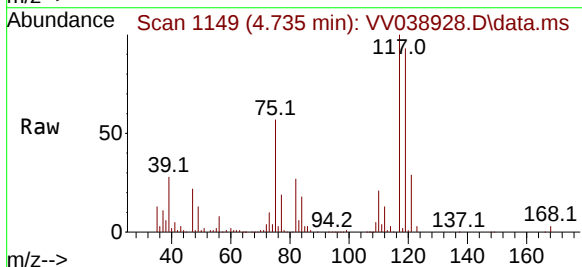
Tgt Ion: 117 Resp: 152640

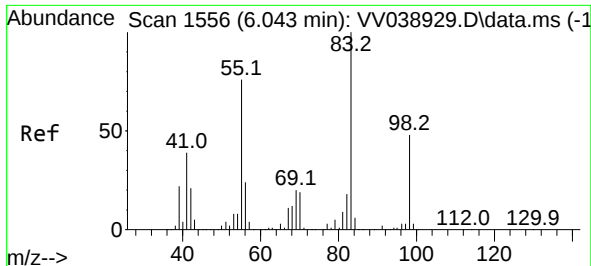
Ion Ratio Lower Upper

117 100

119 92.9 74.9 112.3

121 29.3 24.6 36.8





#39

Methylcyclohexane

Concen: 20.522 ug/l

RT: 6.047 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

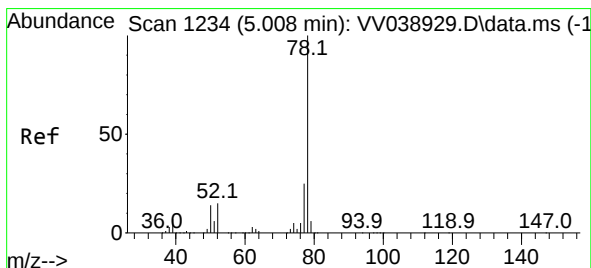
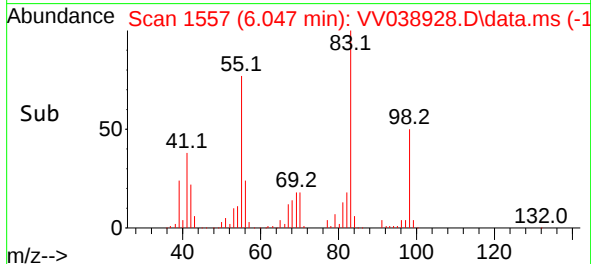
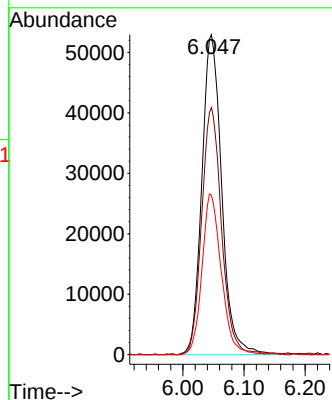
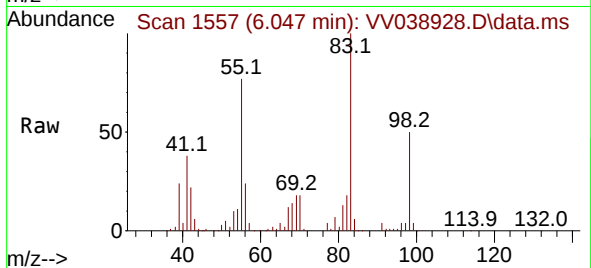
Tgt Ion: 83 Resp: 119478

Ion Ratio Lower Upper

83 100

55 76.9 60.8 91.2

98 49.9 38.6 57.8



#40

Benzene

Concen: 21.440 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV038928.D

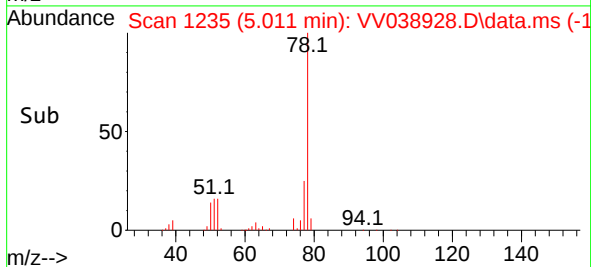
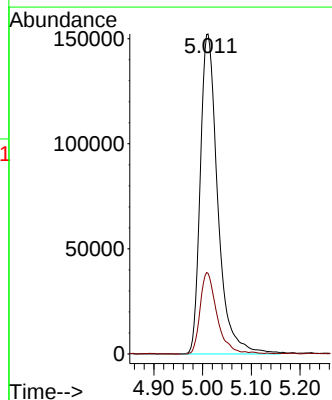
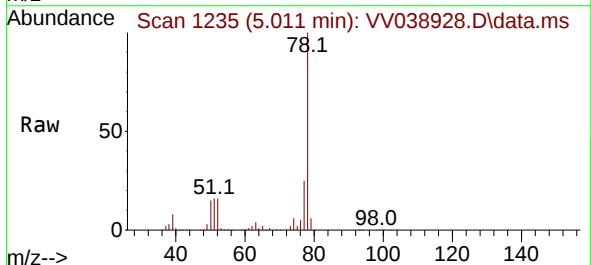
Acq: 08 Aug 2025 10:59

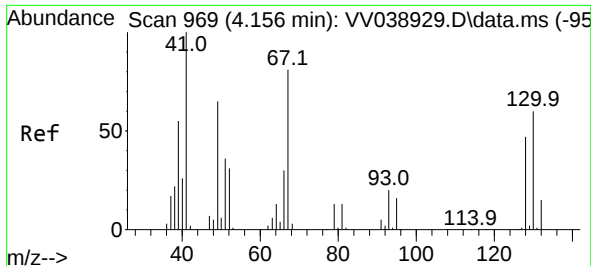
Tgt Ion: 78 Resp: 379504

Ion Ratio Lower Upper

78 100

77 25.2 19.6 29.4



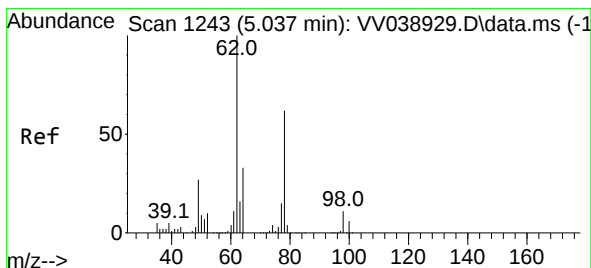
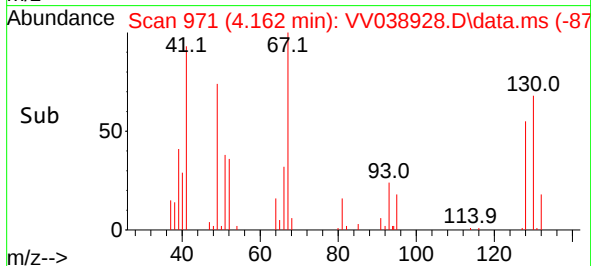
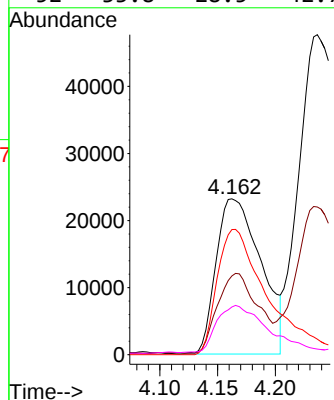
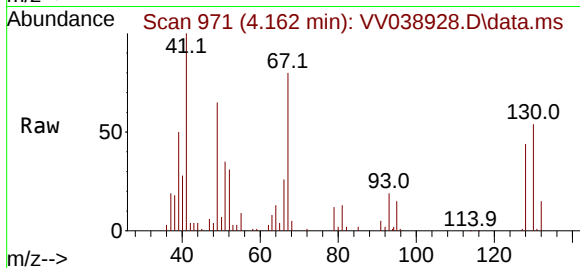


#41
Methacrylonitrile
Concen: 21.821 ug/l
RT: 4.162 min Scan# 91
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 62586

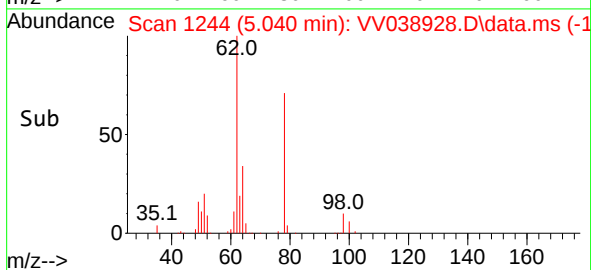
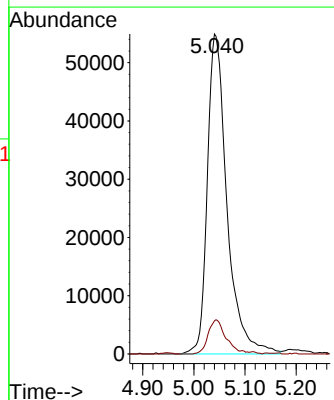
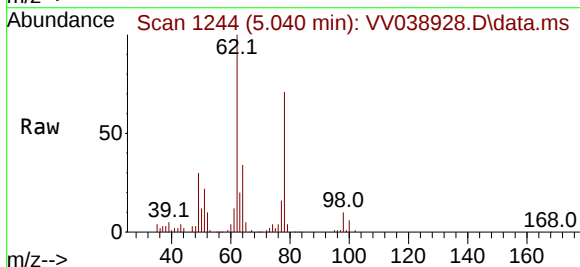
Ion	Ratio	Lower	Upper
41	100		
39	45.9	41.8	62.6
67	92.1	72.6	109.0
52	33.8	28.5	42.7

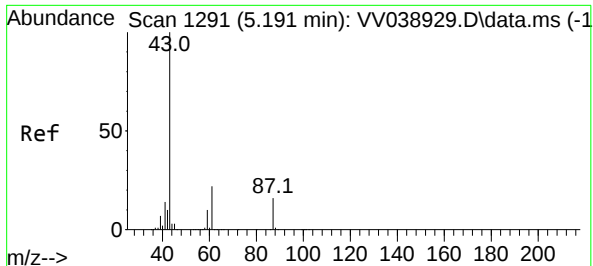


#42
1,2-Dichloroethane
Concen: 21.319 ug/l
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 62 Resp: 146615

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

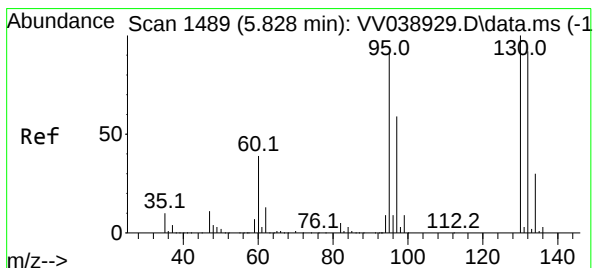
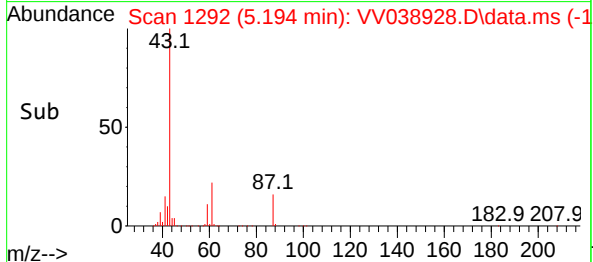
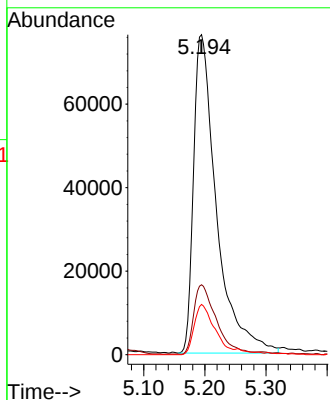
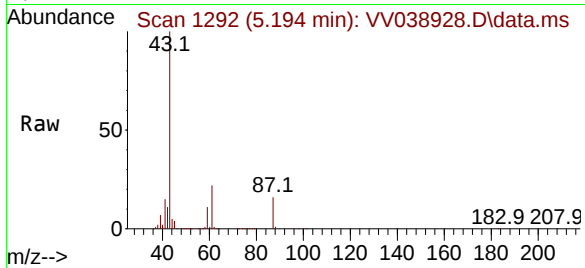




#43
Isopropyl Acetate
Concen: 20.150 ug/l
RT: 5.194 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

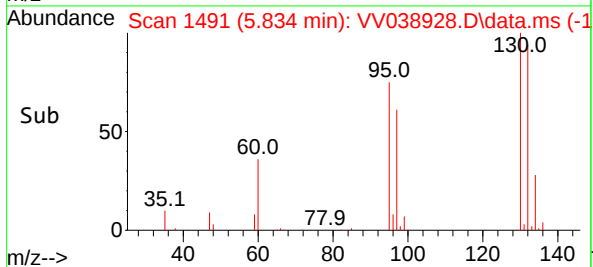
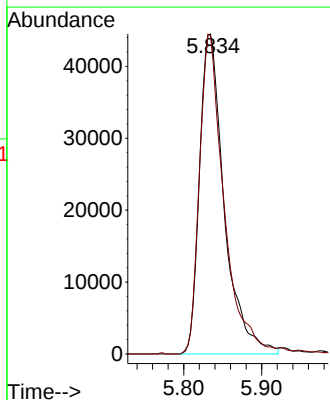
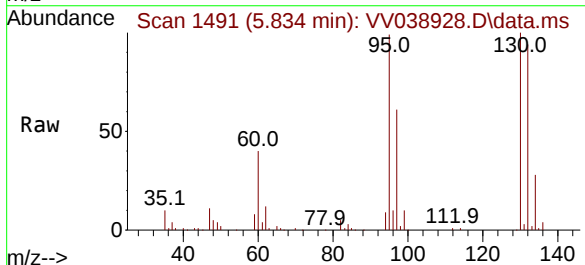
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

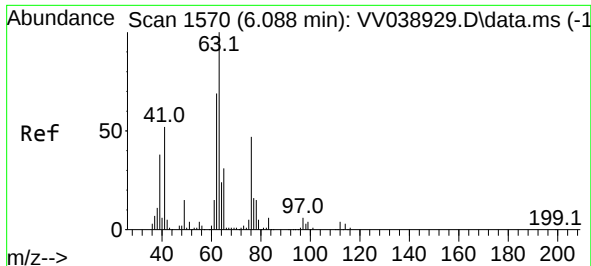
Tgt Ion: 43 Resp: 198822
Ion Ratio Lower Upper
43 100
61 21.3 17.0 25.6
87 14.0 12.2 18.4



#44
Trichloroethene
Concen: 21.000 ug/l
RT: 5.834 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion:130 Resp: 97813
Ion Ratio Lower Upper
130 100
95 99.4 0.0 181.2





#45

1,2-Dichloropropane

Concen: 21.227 ug/l

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

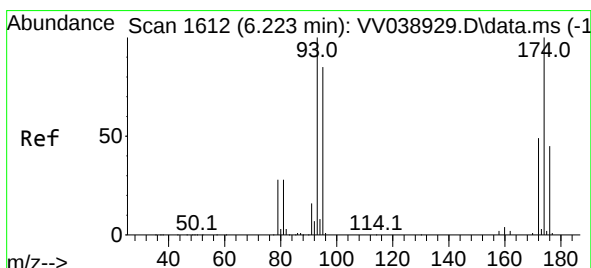
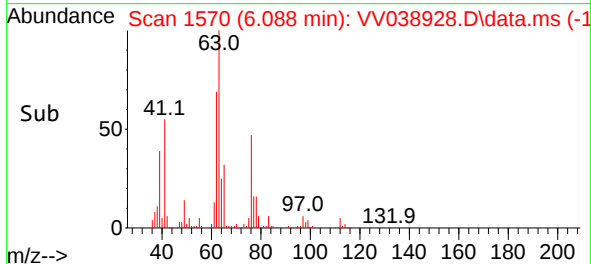
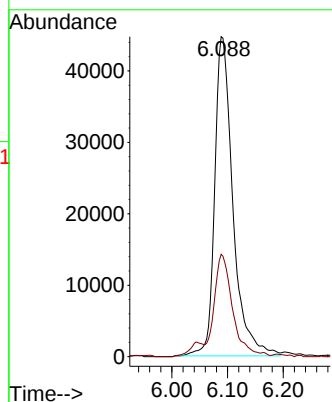
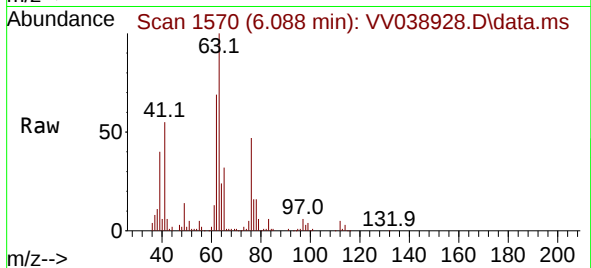
VSTDICC020

Tgt Ion: 63 Resp: 101605

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



#46

Dibromomethane

Concen: 21.784 ug/l

RT: 6.230 min Scan# 1614

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

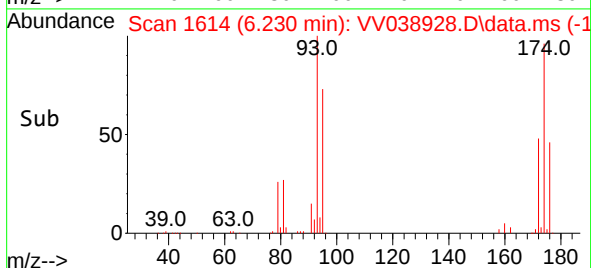
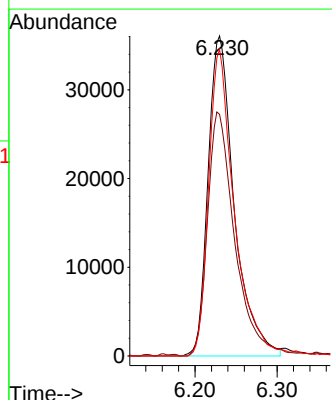
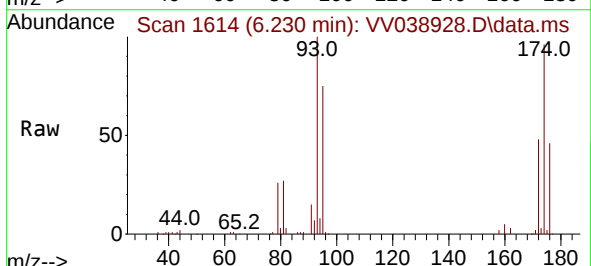
Tgt Ion: 93 Resp: 79715

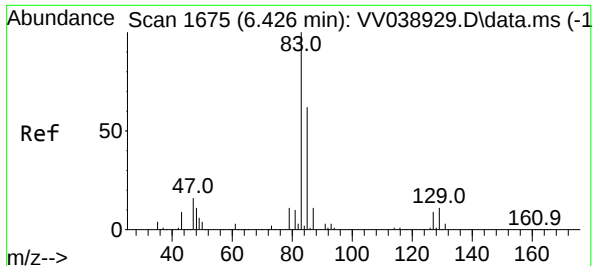
Ion Ratio Lower Upper

93 100

95 79.6 67.8 101.6

174 93.9 77.4 116.0

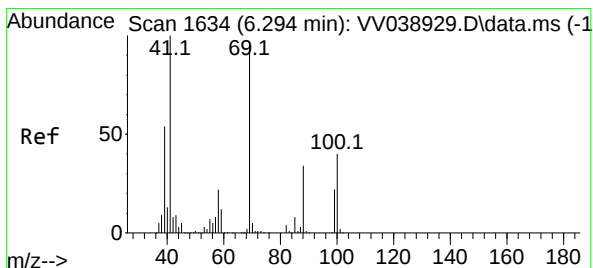
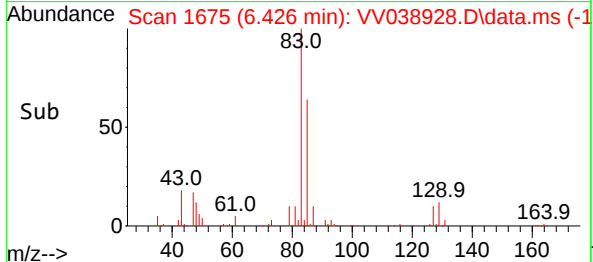
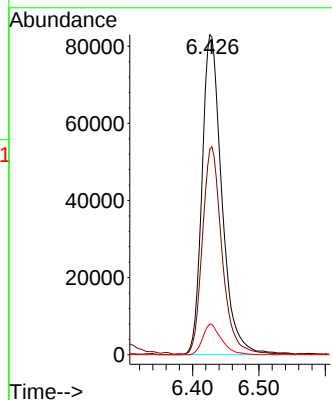
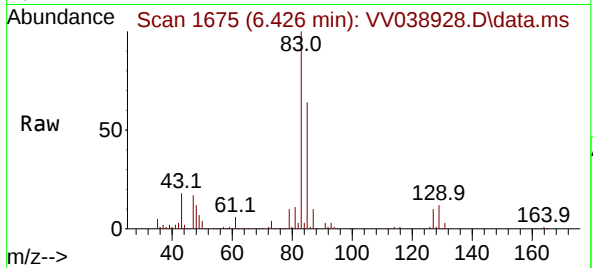




#47
Bromodichloromethane
Concen: 21.146 ug/l
RT: 6.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

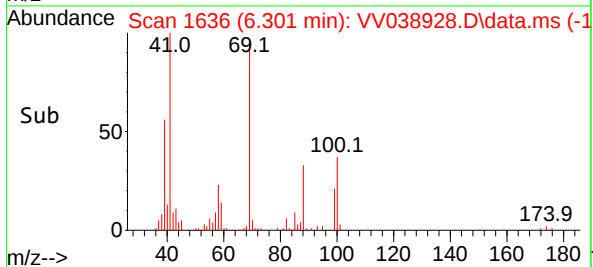
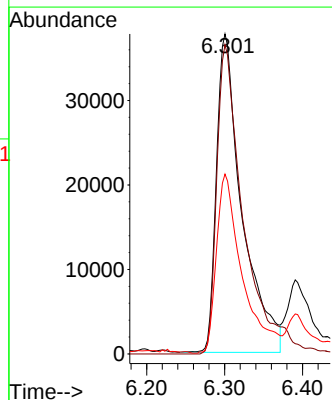
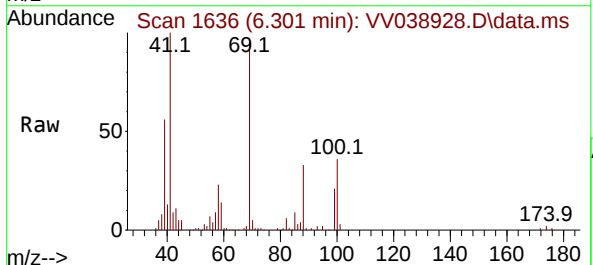
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

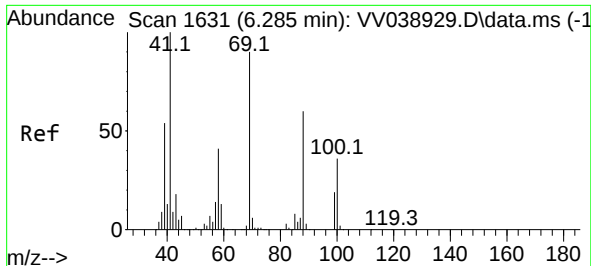
Tgt Ion: 83 Resp: 171914
Ion Ratio Lower Upper
83 100
85 63.9 49.8 74.6
127 9.6 7.1 10.7



#48
Methyl methacrylate
Concen: 20.334 ug/l
RT: 6.301 min Scan# 1636
Delta R.T. 0.006 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 41 Resp: 85594
Ion Ratio Lower Upper
41 100
69 102.5 78.4 117.6
39 57.0 43.3 64.9





#49

1,4-Dioxane

Concen: 372.357 ug/l

RT: 6.288 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

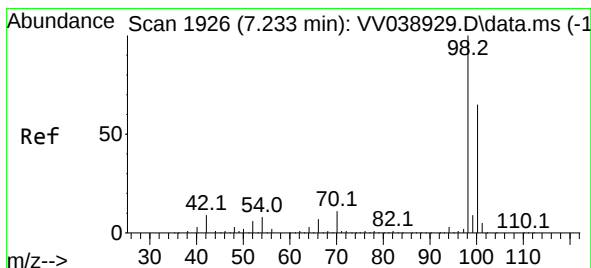
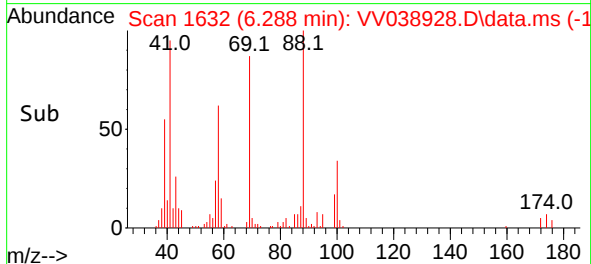
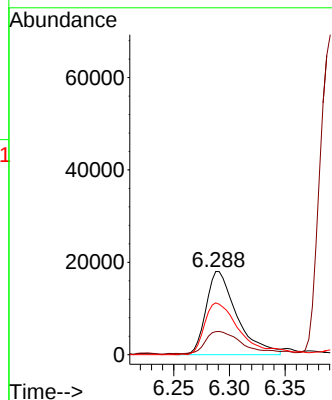
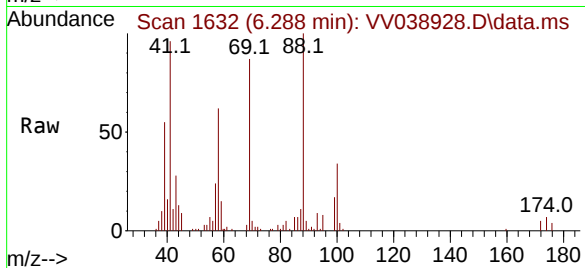
Tgt Ion: 88 Resp: 34760

Ion Ratio Lower Upper

88 100

43 31.4 24.2 36.2

58 72.6 55.4 83.2



#50

Toluene-d8

Concen: 19.359 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV038928.D

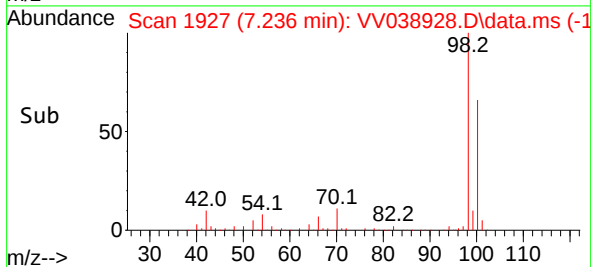
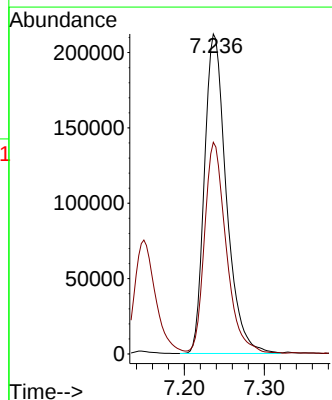
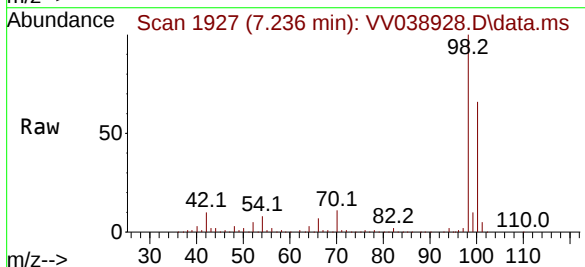
Acq: 08 Aug 2025 10:59

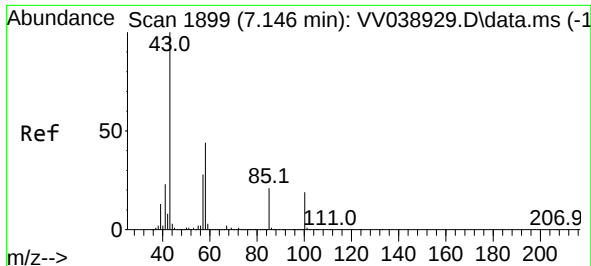
Tgt Ion: 98 Resp: 404517

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8

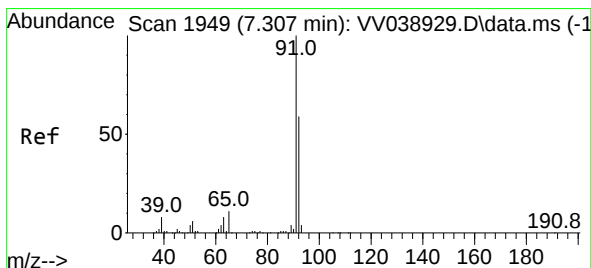
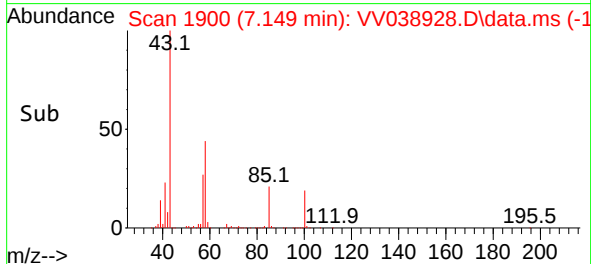
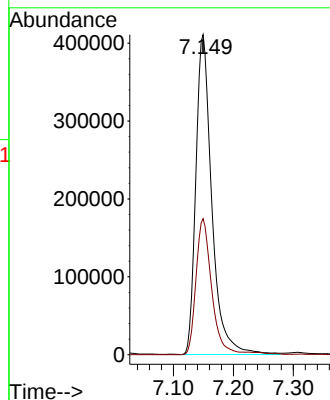
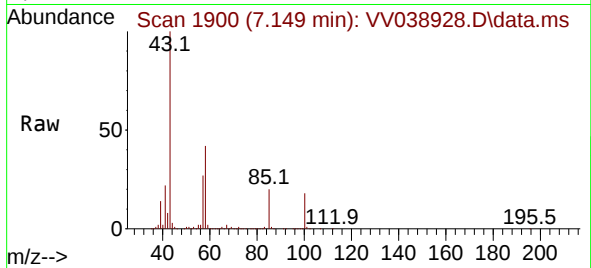




#51
4-Methyl-2-Pentanone
Concen: 111.380 ug/l
RT: 7.149 min Scan# 1900
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

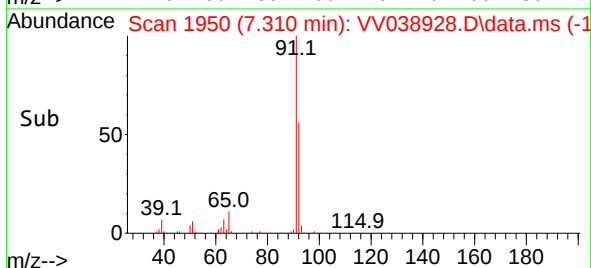
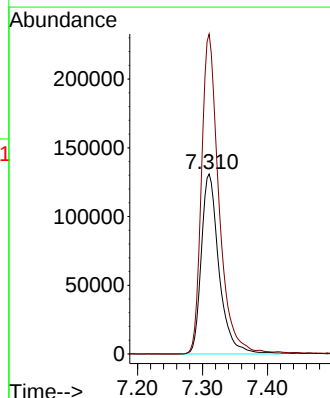
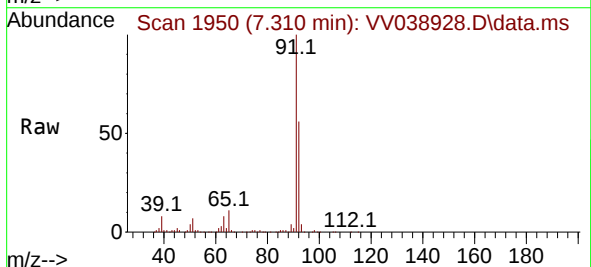
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

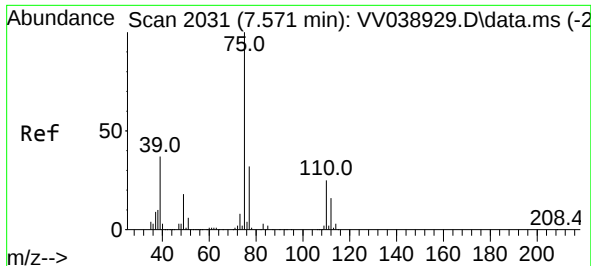
Tgt Ion: 43 Resp: 761779
Ion Ratio Lower Upper
43 100
58 42.5 34.2 51.2



#52
Toluene
Concen: 22.243 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 92 Resp: 248576
Ion Ratio Lower Upper
92 100
91 175.2 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 21.595 ug/l

RT: 7.577 min Scan# 2031

Delta R.T. 0.006 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

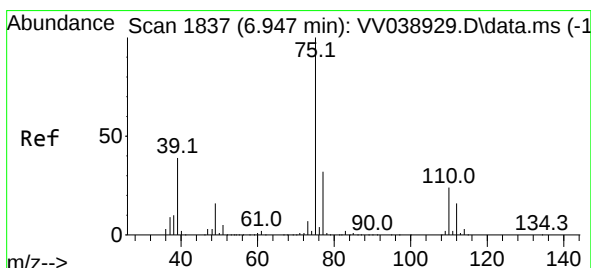
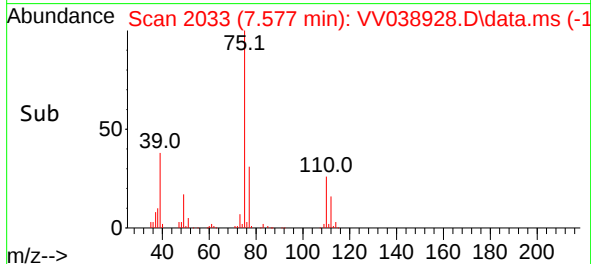
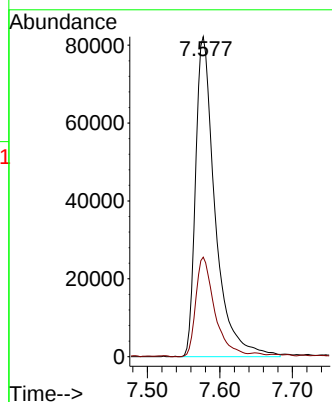
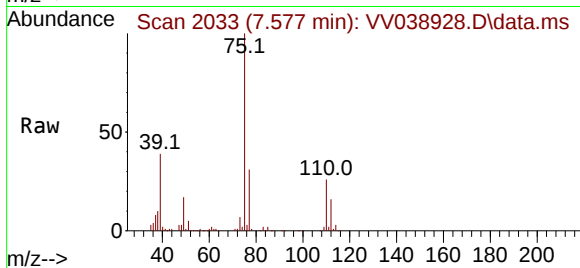
VSTDICC020

Tgt Ion: 75 Resp: 153589

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.502 ug/l

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

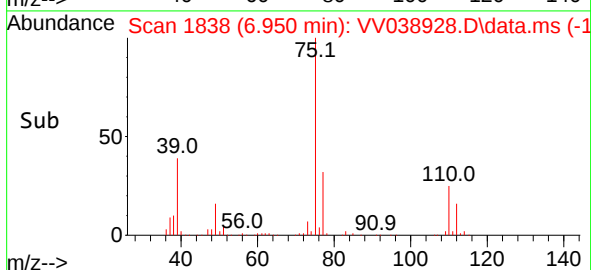
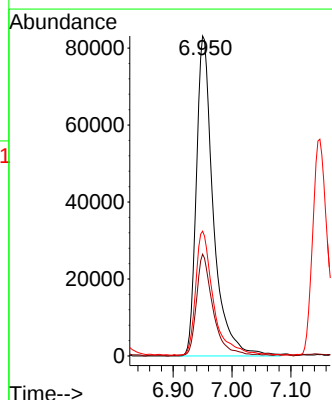
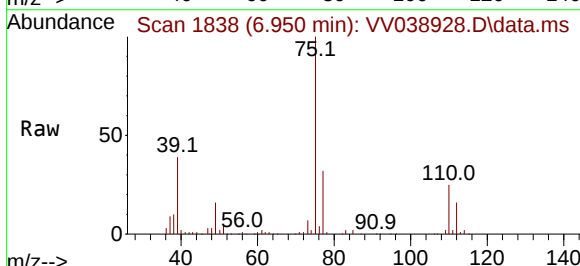
Tgt Ion: 75 Resp: 166954

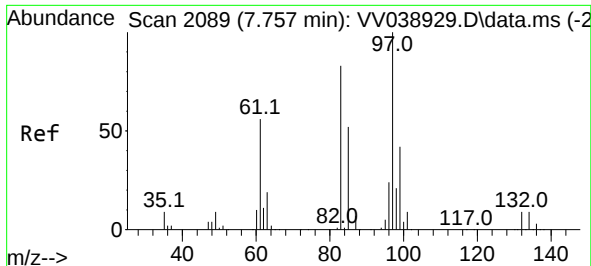
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 38.7 31.6 47.4



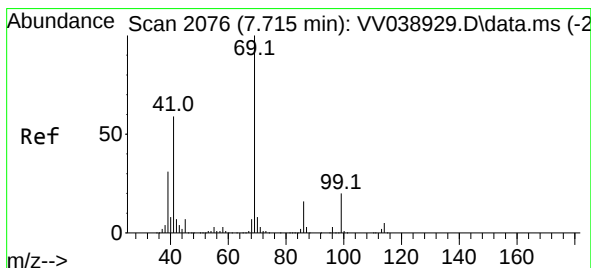
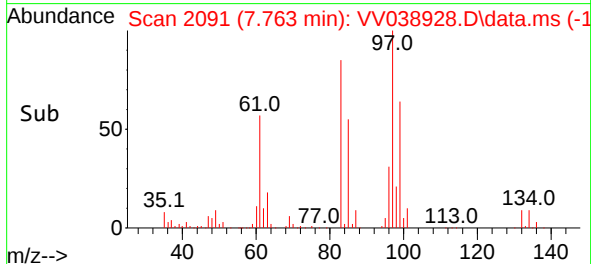
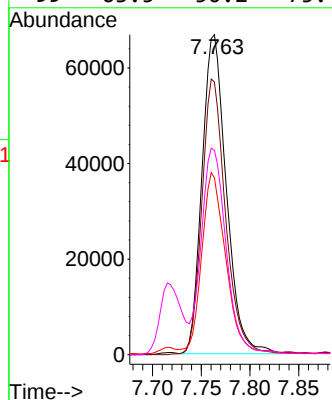
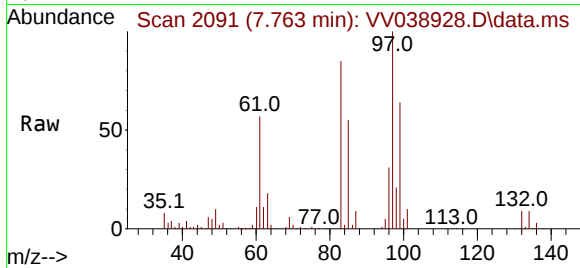


#55
 1,1,2-Trichloroethane
 Concen: 21.159 ug/l
 RT: 7.763 min Scan# 2089
 Delta R.T. 0.006 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 115713

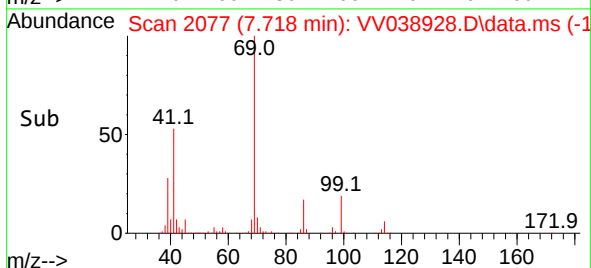
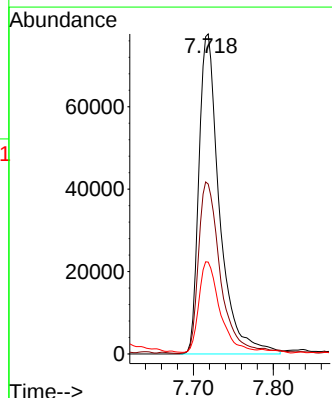
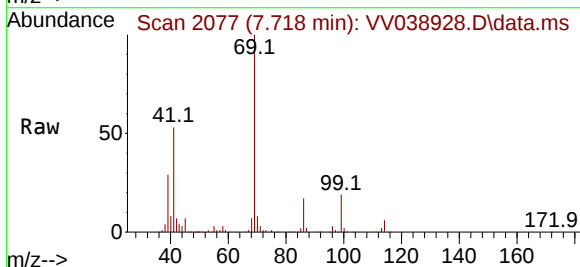
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.2	99.4
85	54.8	42.9	64.3
99	63.5	50.2	75.4

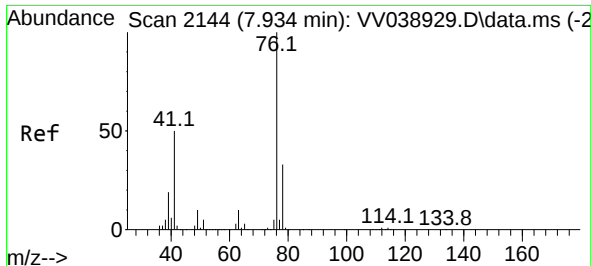


#56
 Ethyl methacrylate
 Concen: 19.556 ug/l
 RT: 7.718 min Scan# 2077
 Delta R.T. 0.003 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

Tgt Ion: 69 Resp: 139922

Ion	Ratio	Lower	Upper
69	100		
41	56.5	45.8	68.8
39	28.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 21.340 ug/l

RT: 7.937 min Scan# 2144

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

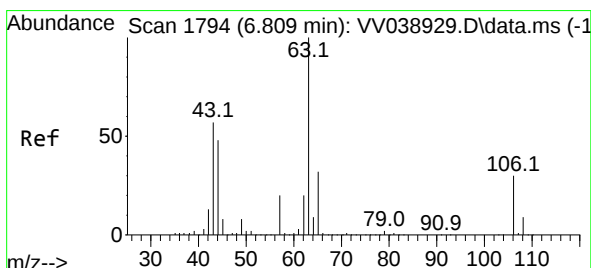
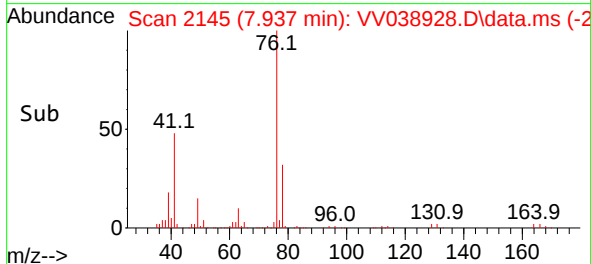
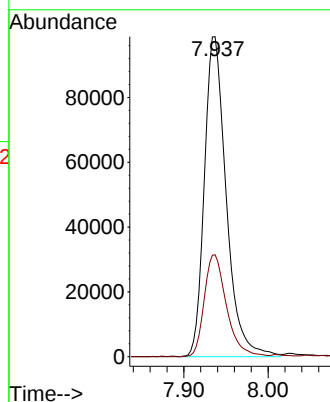
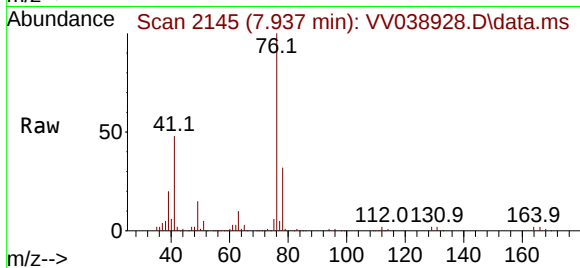
VSTDIC020

Tgt Ion: 76 Resp: 178518

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 103.985 ug/l

RT: 6.812 min Scan# 1795

Delta R.T. 0.003 min

Lab File: VV038928.D

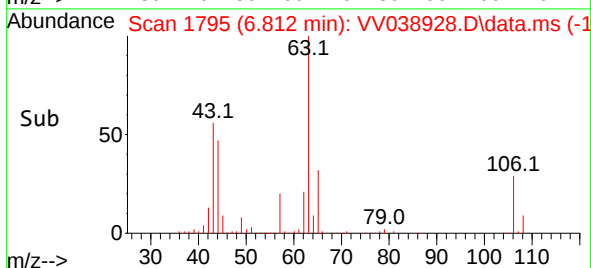
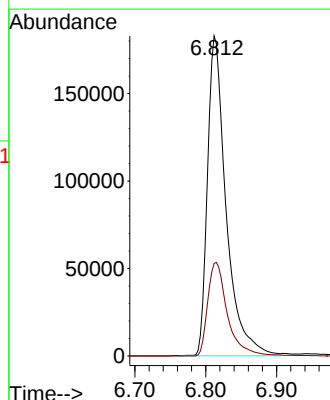
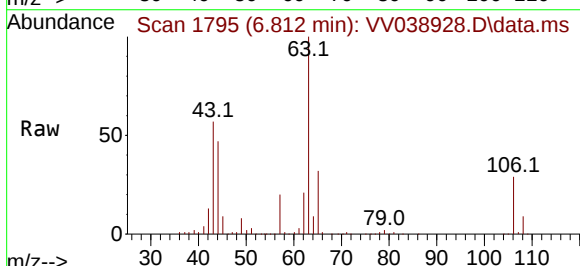
Acq: 08 Aug 2025 10:59

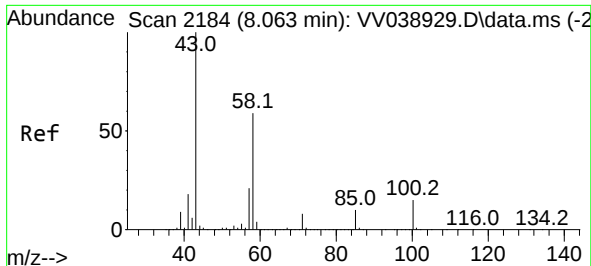
Tgt Ion: 63 Resp: 333679

Ion Ratio Lower Upper

63 100

106 31.0 24.1 36.1

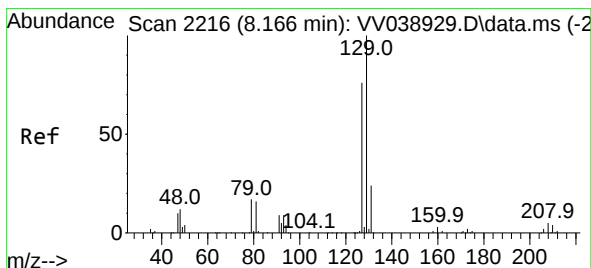
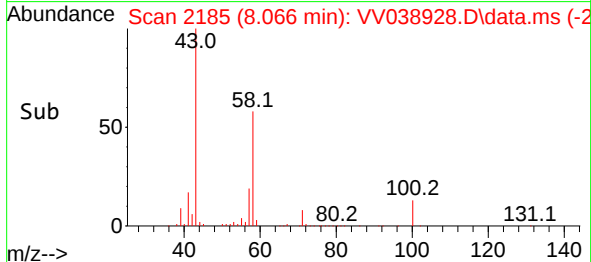
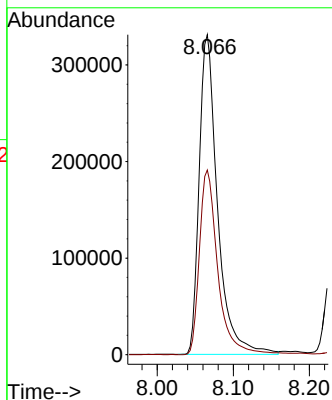
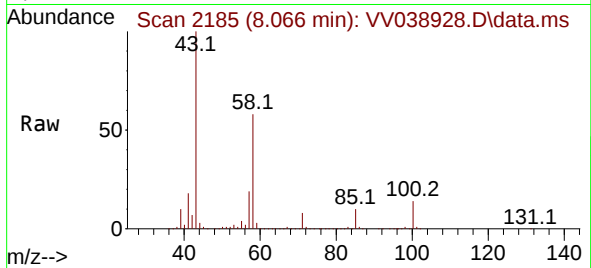




#59
2-Hexanone
Concen: 112.382 ug/l
RT: 8.066 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

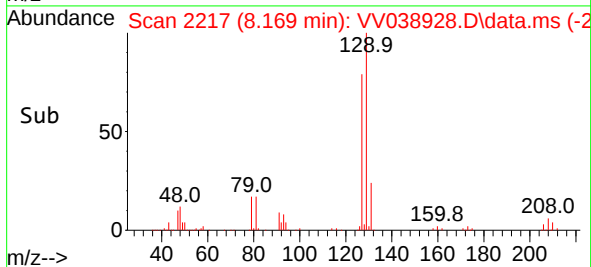
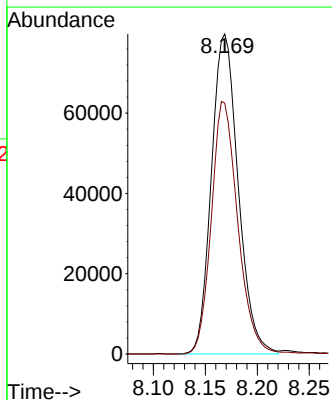
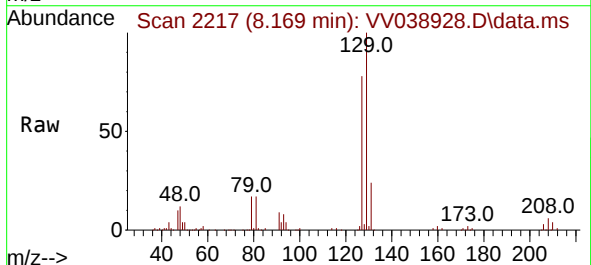
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

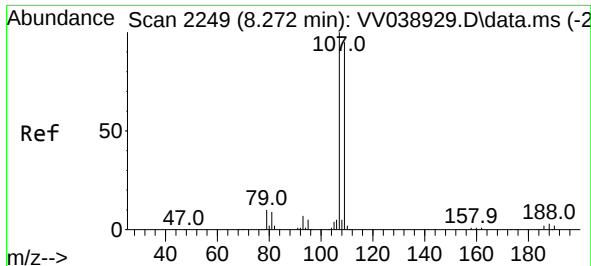
Tgt Ion: 43 Resp: 554812
Ion Ratio Lower Upper
43 100
58 58.3 29.3 87.8



#60
Dibromochloromethane
Concen: 21.378 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 129 Resp: 143159
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6

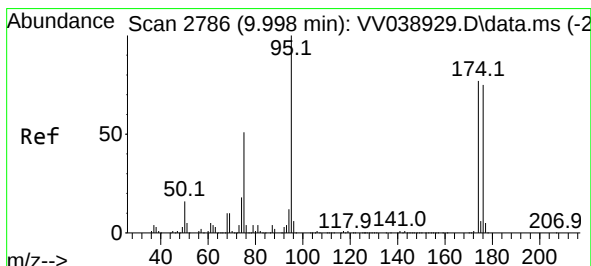
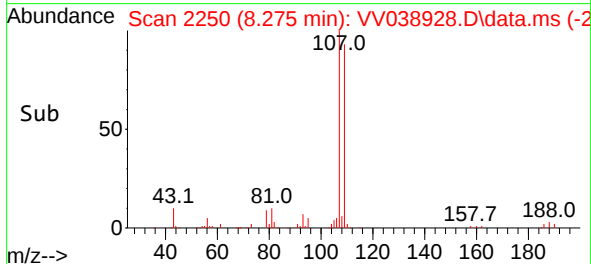
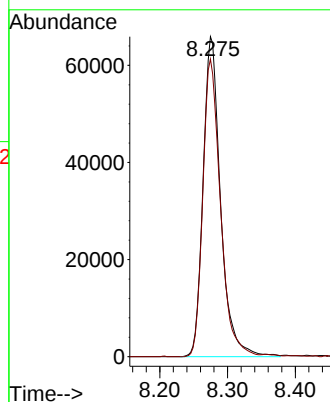
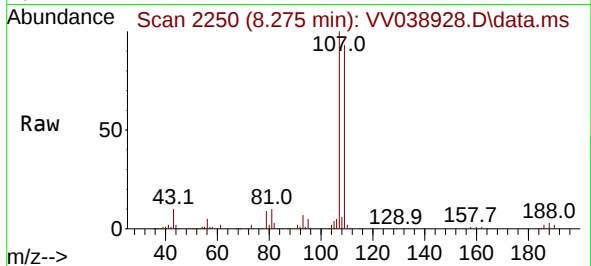




#61
1,2-Dibromoethane
Concen: 21.790 ug/l
RT: 8.275 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

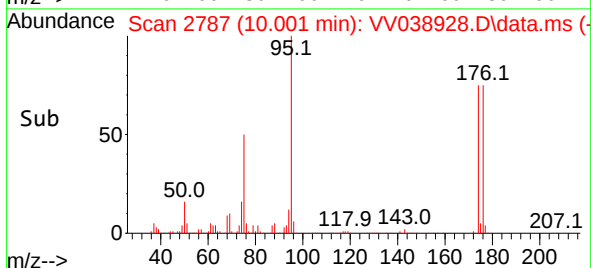
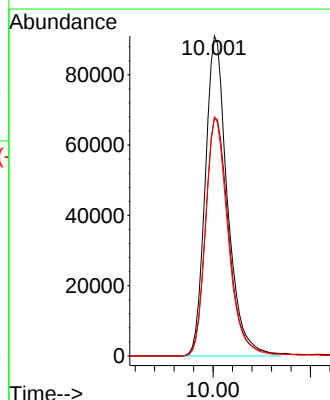
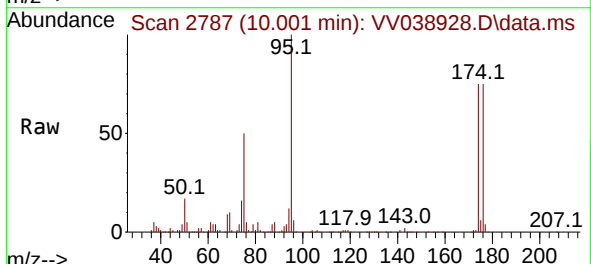
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

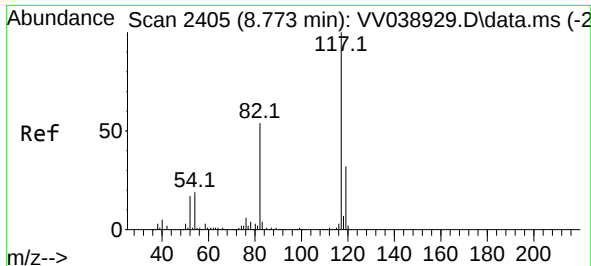
Tgt Ion:107 Resp: 118293
Ion Ratio Lower Upper
107 100
109 93.8 76.2 114.2



#62
4-Bromofluorobenzene
Concen: 19.095 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 95 Resp: 143700
Ion Ratio Lower Upper
95 100
174 78.2 0.0 156.6
176 76.1 0.0 153.0

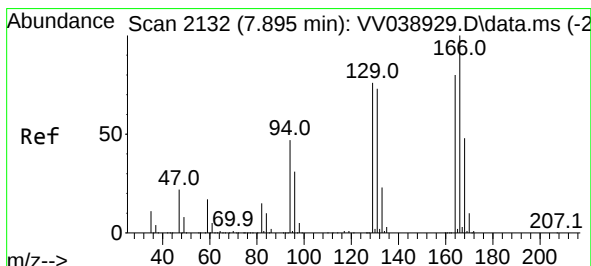
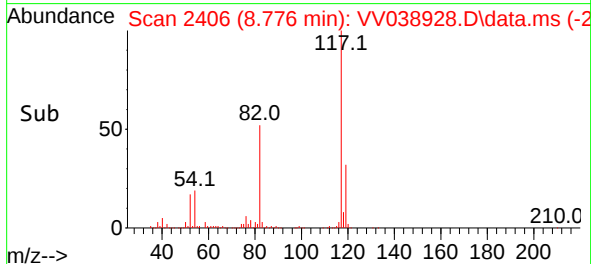
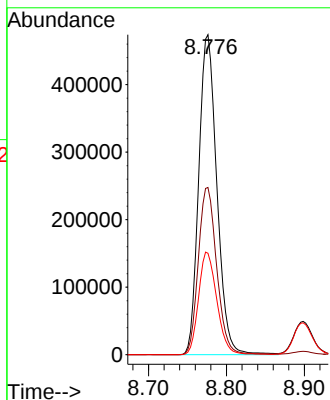
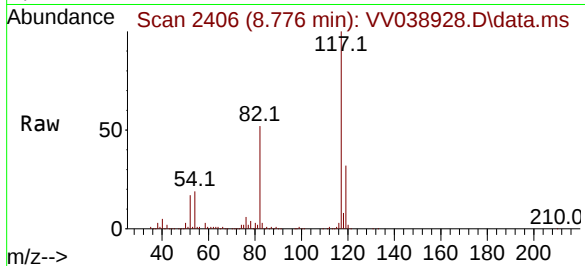




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

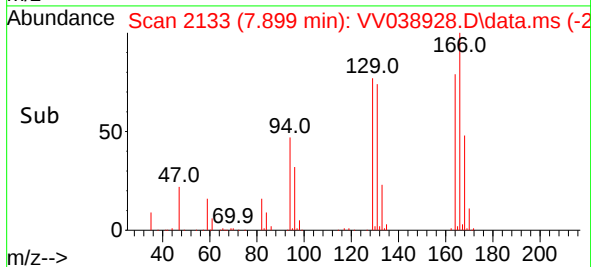
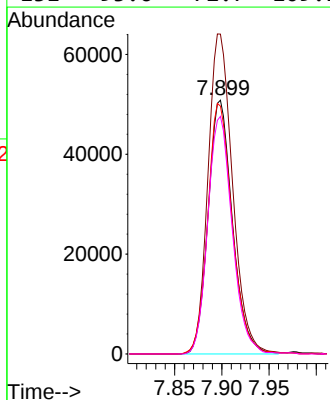
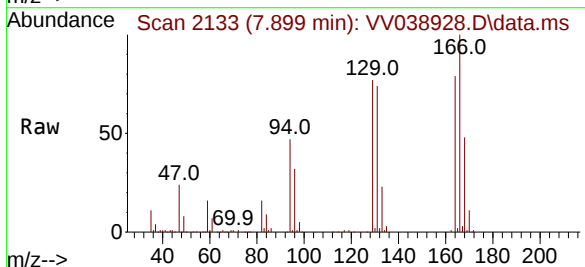
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

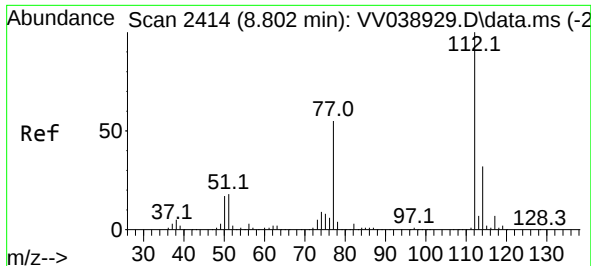
Tgt Ion:	117	Resp:	766385
Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.2	64.8
119	31.7	25.6	38.4



#64
Tetrachloroethene
Concen: 20.215 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion:	164	Resp:	90926
Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.2	150.4
129	97.7	76.7	115.1
131	93.6	72.7	109.1

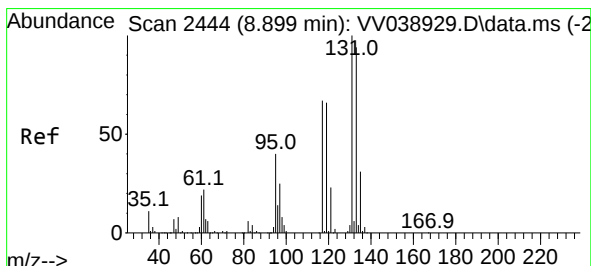
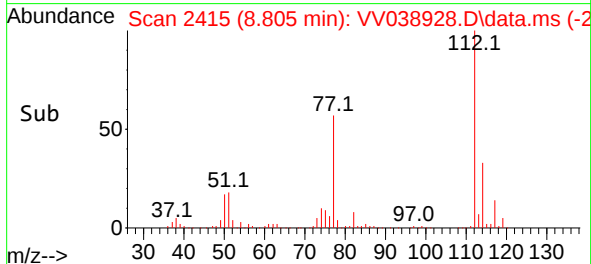
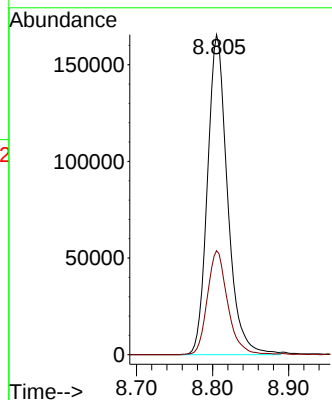
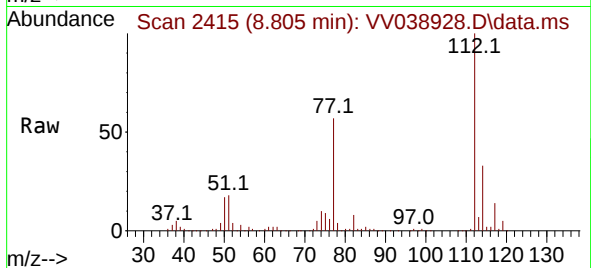




#65
Chlorobenzene
Concen: 20.247 ug/l
RT: 8.805 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

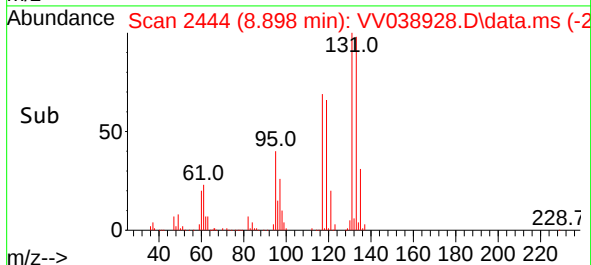
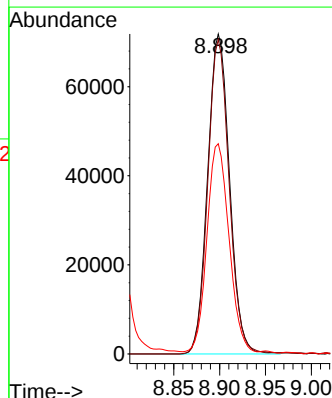
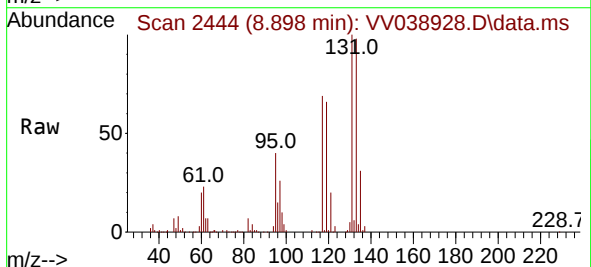
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

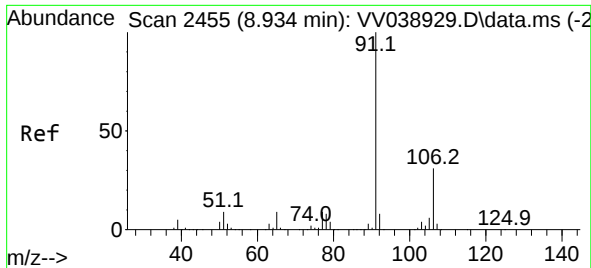
Tgt Ion:112 Resp: 303335
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.327 ug/l
RT: 8.898 min Scan# 2444
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion:131 Resp: 119781
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 65.2 32.8 98.3





#67

Ethyl Benzene

Concen: 21.000 ug/l

RT: 8.937 min Scan# 2455

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

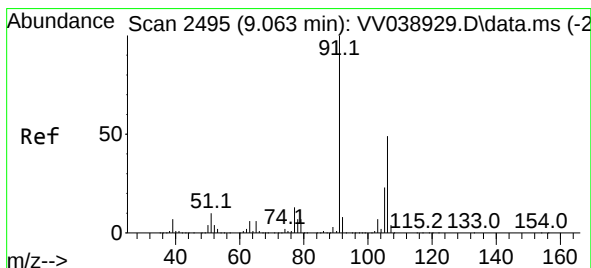
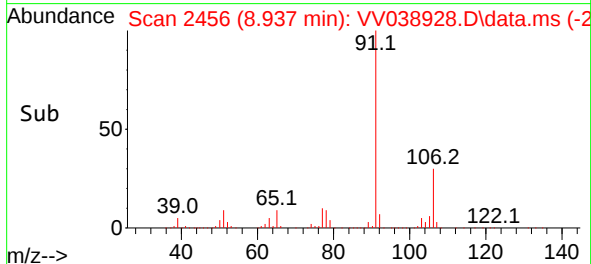
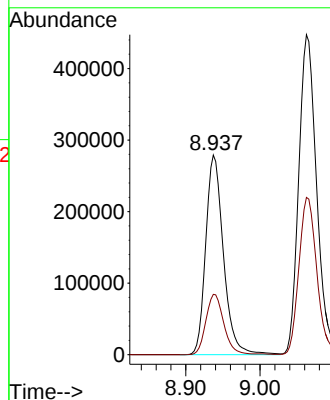
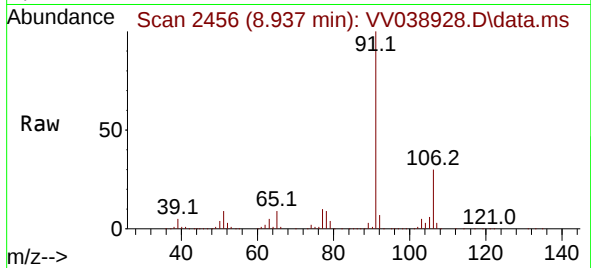
VSTDICC020

Tgt Ion: 91 Resp: 462109

Ion Ratio Lower Upper

91 100

106 30.2 25.0 37.6



#68

m/p-Xylenes

Concen: 43.797 ug/l

RT: 9.062 min Scan# 2495

Delta R.T. -0.000 min

Lab File: VV038928.D

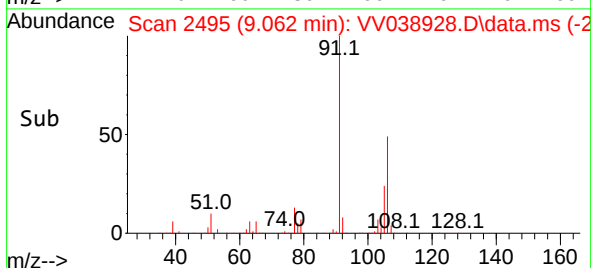
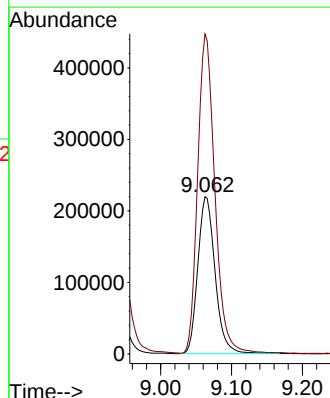
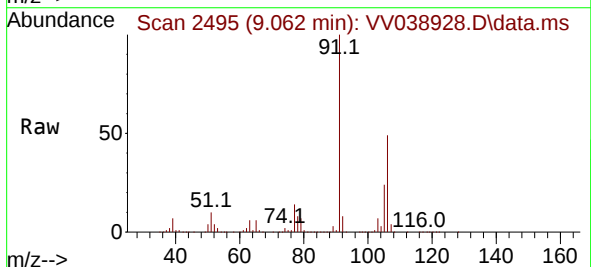
Acq: 08 Aug 2025 10:59

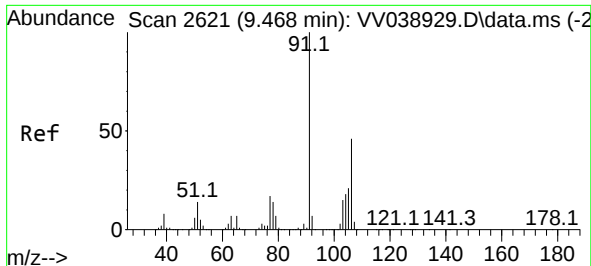
Tgt Ion: 106 Resp: 371423

Ion Ratio Lower Upper

106 100

91 202.0 163.4 245.2





#69

o-Xylene

Concen: 20.917 ug/l

RT: 9.468 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

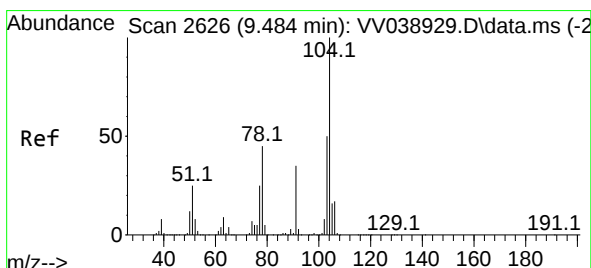
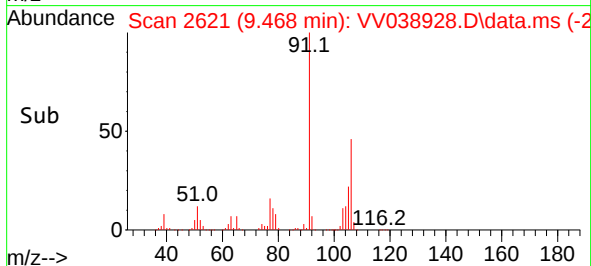
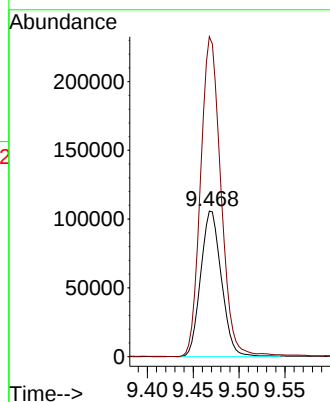
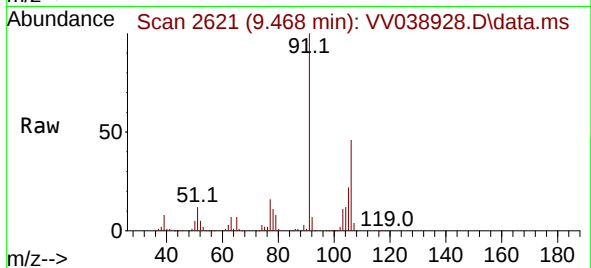
VSTDICC020

Tgt Ion:106 Resp: 166804

Ion Ratio Lower Upper

106 100

91 216.6 109.1 327.3



#70

Styrene

Concen: 21.741 ug/l

RT: 9.487 min Scan# 2627

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

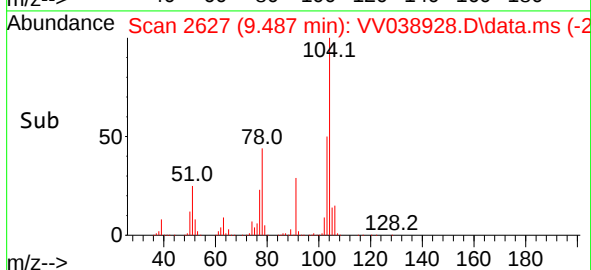
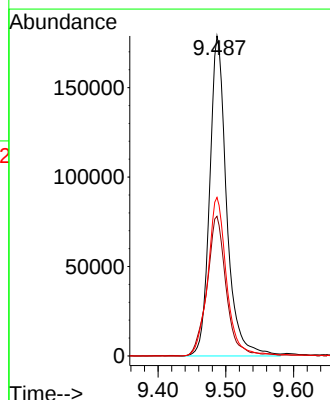
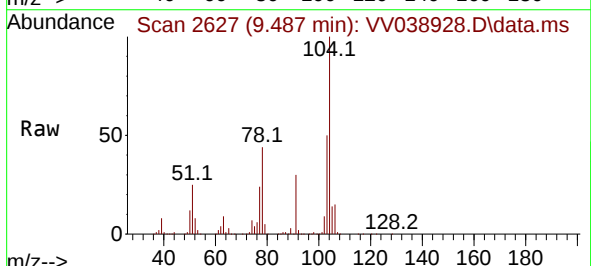
Tgt Ion:104 Resp: 312142

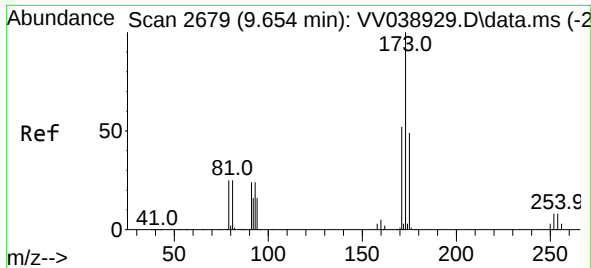
Ion Ratio Lower Upper

104 100

78 48.9 39.8 59.6

103 54.3 43.8 65.6

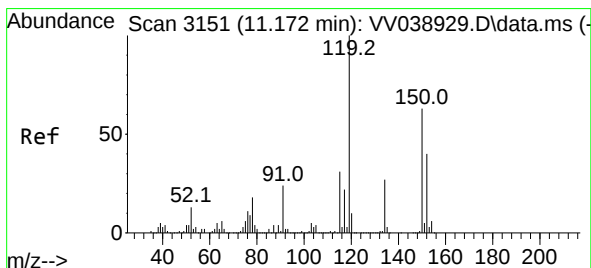
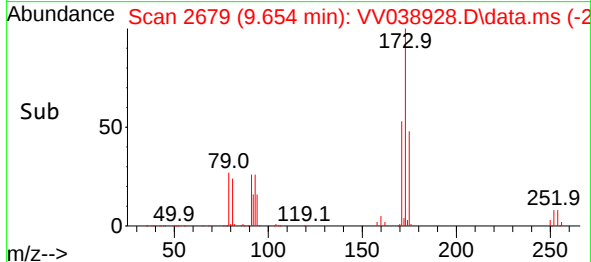
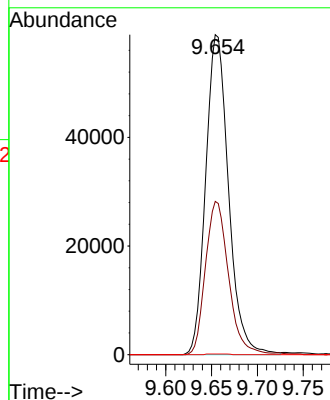
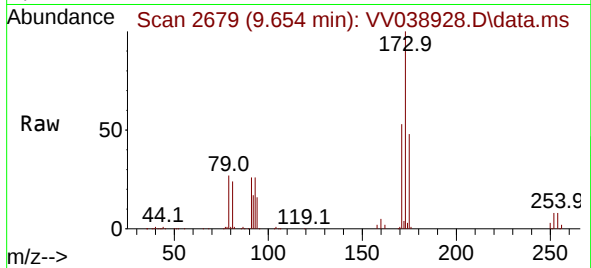




#71
Bromoform
Concen: 20.591 ug/l
RT: 9.654 min Scan# 2679
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

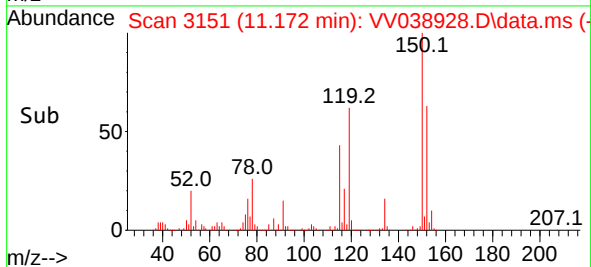
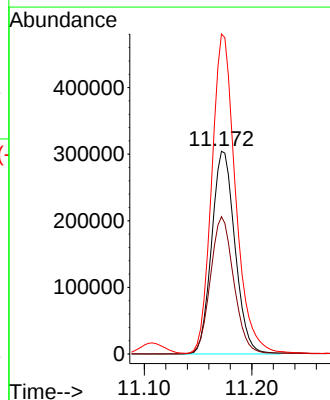
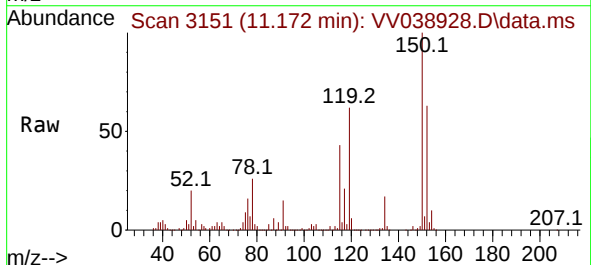
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

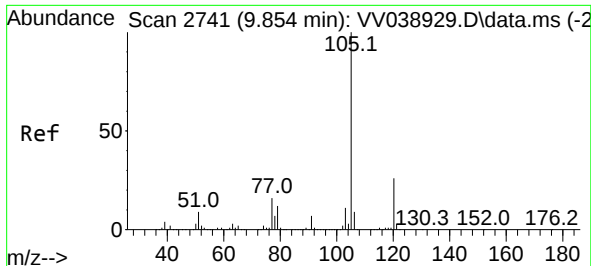
Tgt Ion:173 Resp: 101962
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.9
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion:152 Resp: 457645
Ion Ratio Lower Upper
152 100
115 68.2 41.0 123.2
150 161.4 0.0 345.4

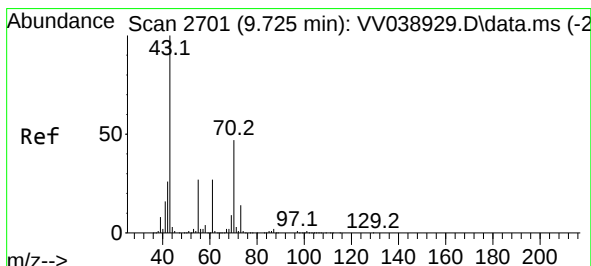
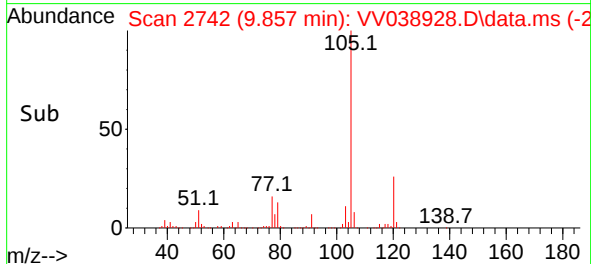
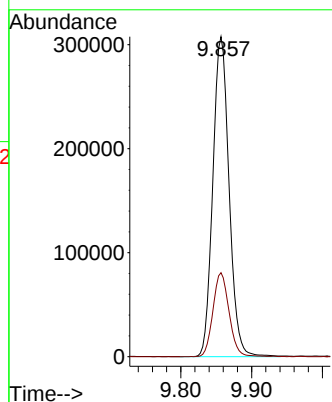
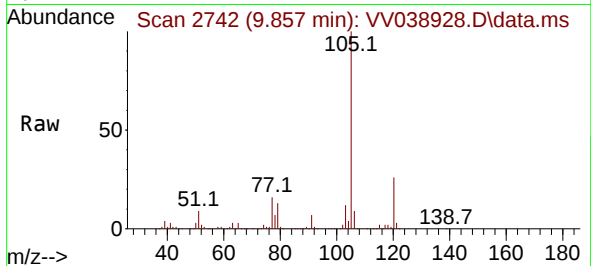




#73
Isopropylbenzene
Concen: 20.503 ug/l
RT: 9.857 min Scan# 2741
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

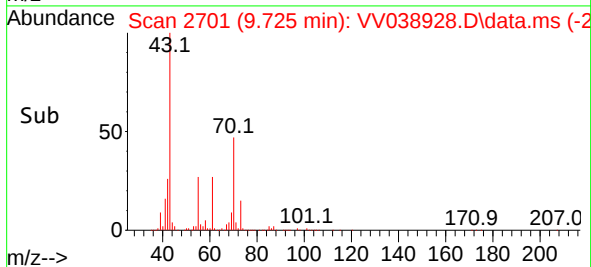
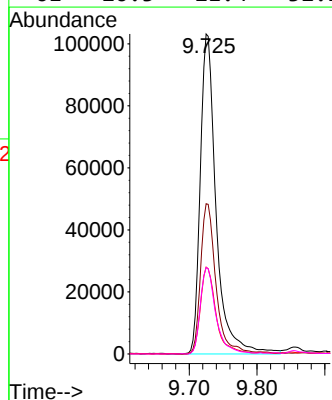
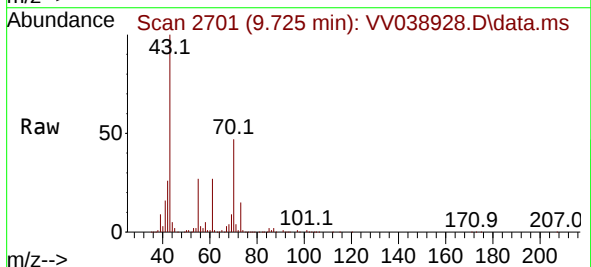
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

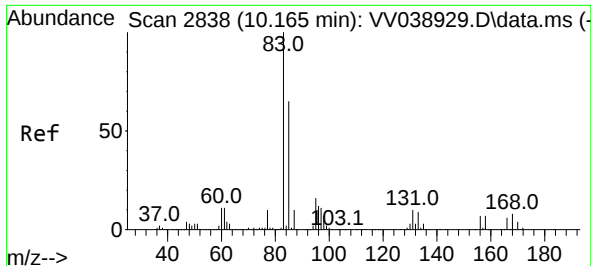
Tgt Ion:105 Resp: 489765
Ion Ratio Lower Upper
105 100
120 26.0 13.3 39.8



#74
N-ethyl acetate
Concen: 20.003 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 43 Resp: 167913
Ion Ratio Lower Upper
43 100
70 45.4 37.4 56.0
55 26.6 22.1 33.1
61 26.3 21.4 32.2

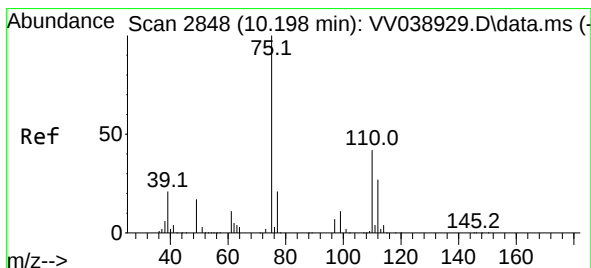
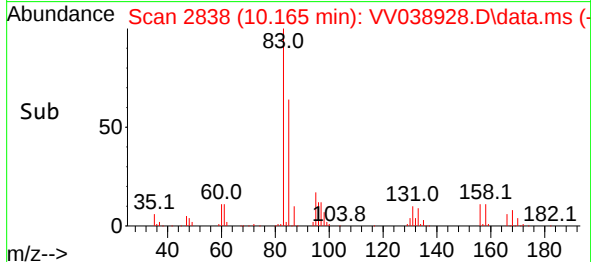
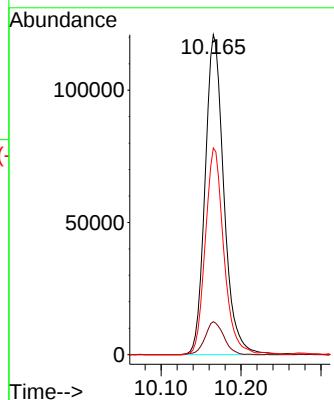
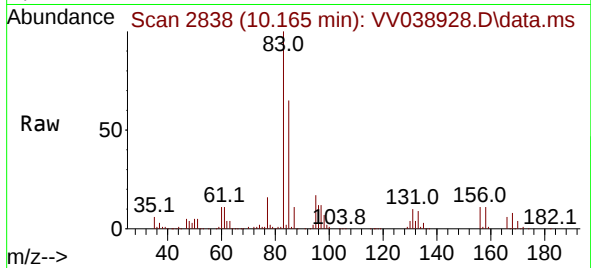




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.366 ug/l
 RT: 10.165 min Scan# 2838
 Delta R.T. -0.000 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

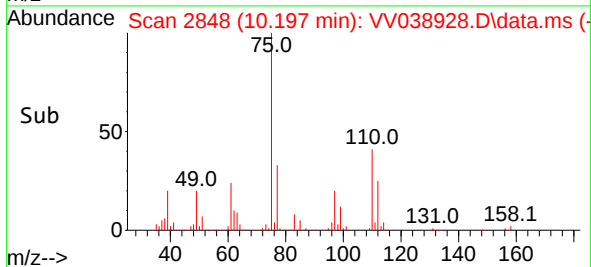
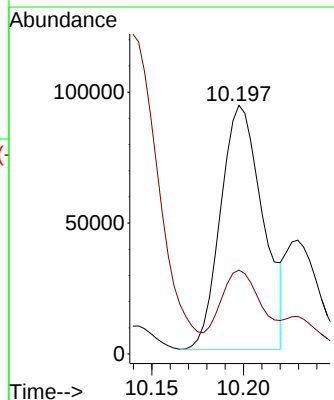
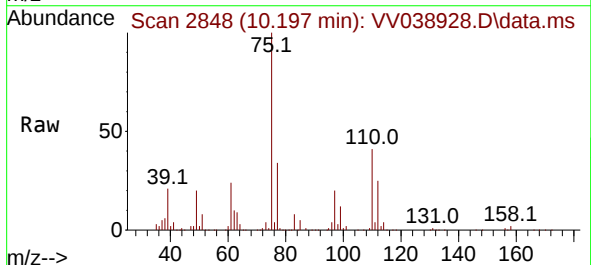
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

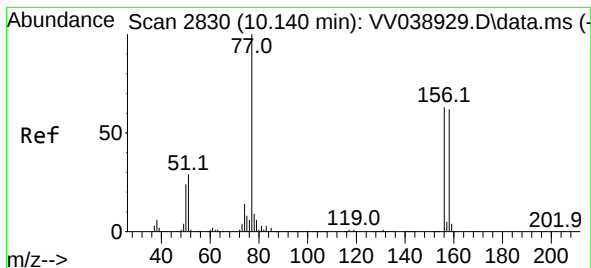
Tgt Ion: 83 Resp: 197792
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.0 14.9
 85 63.5 32.5 97.4



#76
 1,2,3-Trichloropropane
 Concen: 19.917 ug/l
 RT: 10.197 min Scan# 2848
 Delta R.T. -0.000 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

Tgt Ion: 75 Resp: 149032
 Ion Ratio Lower Upper
 75 100
 77 21.8 11.9 35.9





#77

Bromobenzene

Concen: 20.348 ug/l

RT: 10.143 min Scan# 2830

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

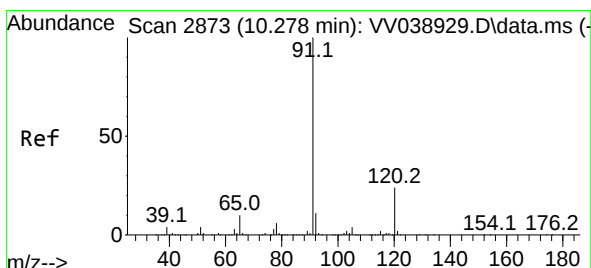
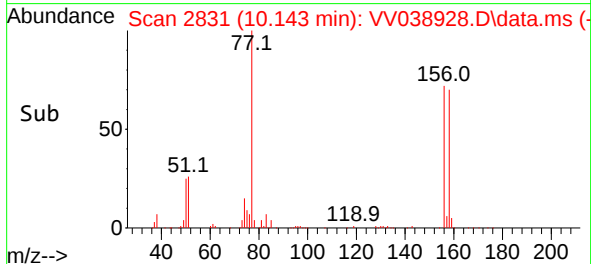
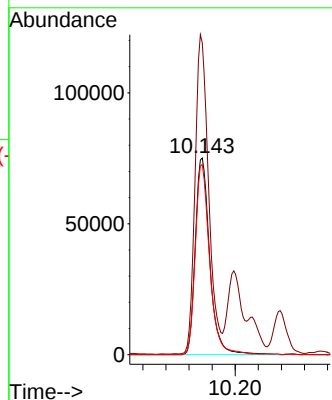
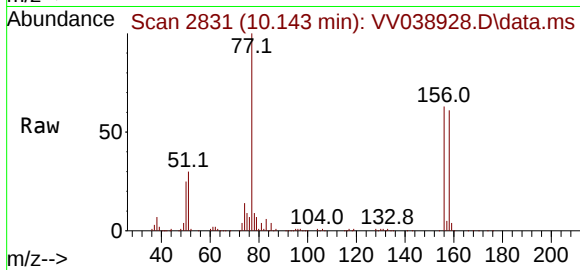
Tgt Ion:156 Resp: 130479

Ion Ratio Lower Upper

156 100

77 151.7 78.8 236.5

158 95.9 49.6 148.8



#78

n-propylbenzene

Concen: 20.967 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. -0.000 min

Lab File: VV038928.D

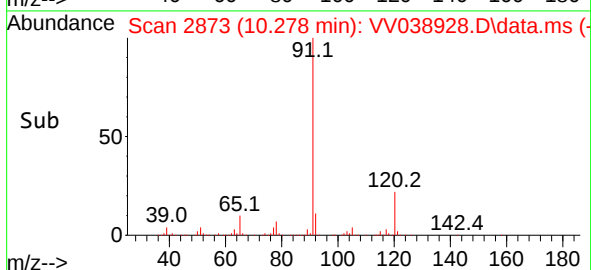
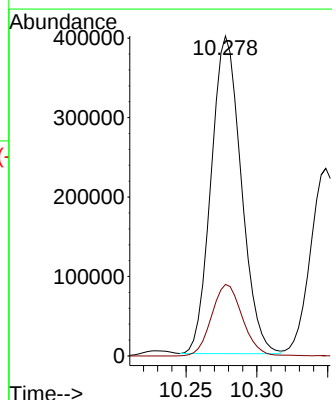
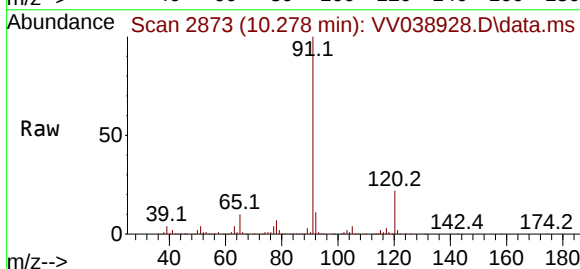
Acq: 08 Aug 2025 10:59

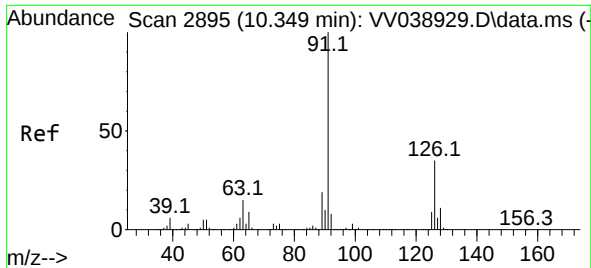
Tgt Ion: 91 Resp: 590846

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.7

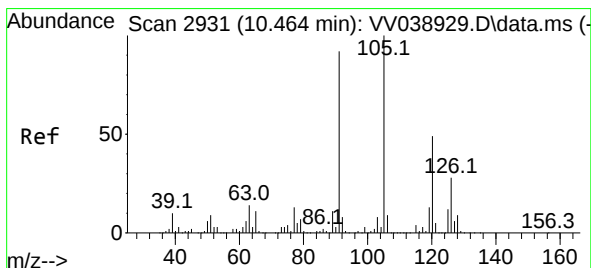
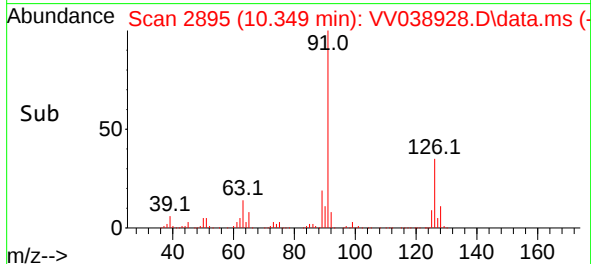
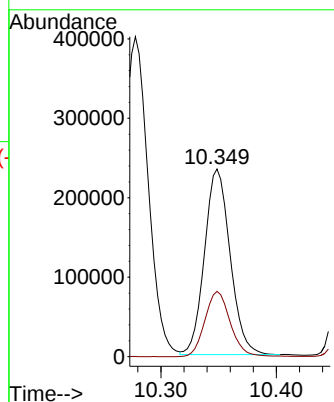
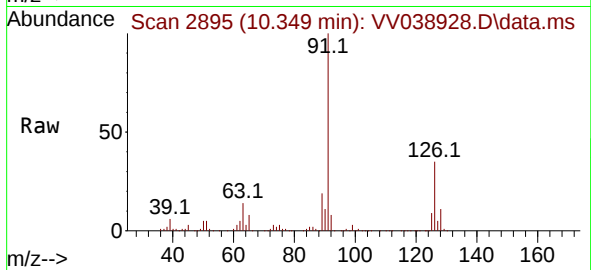




#79
2-Chlorotoluene
Concen: 20.819 ug/l
RT: 10.349 min Scan# 2895
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

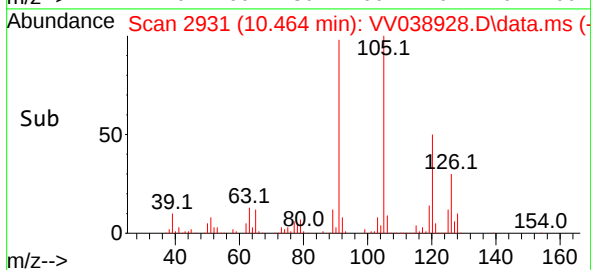
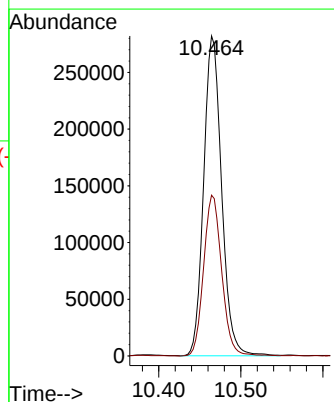
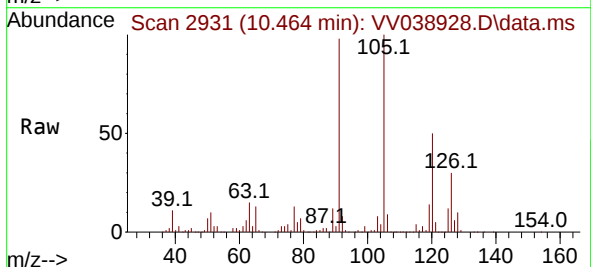
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

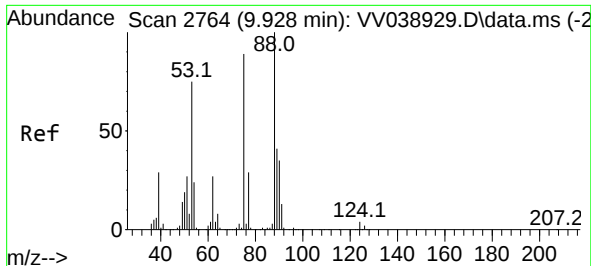
Tgt Ion: 91 Resp: 360084
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7



#80
1,3,5-Trimethylbenzene
Concen: 21.259 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 105 Resp: 428459
Ion Ratio Lower Upper
105 100
120 50.8 24.6 73.6

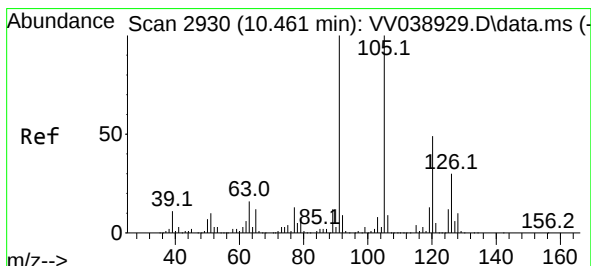
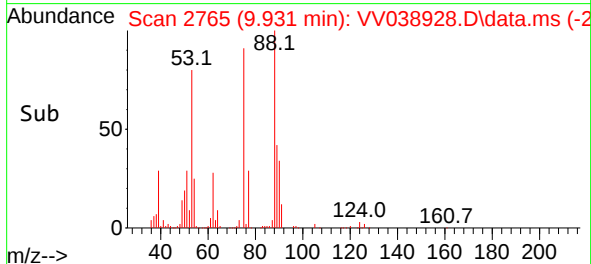
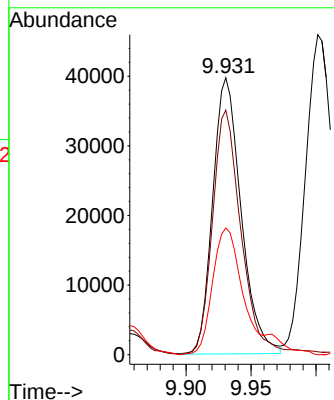
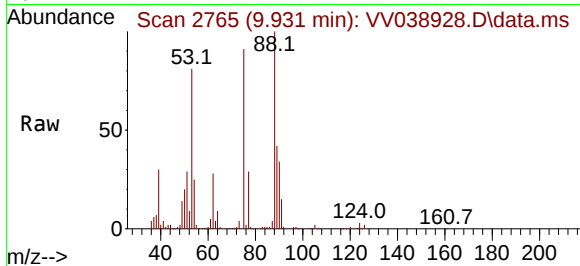




#81
trans-1,4-Dichloro-2-butene
Concen: 20.166 ug/l
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

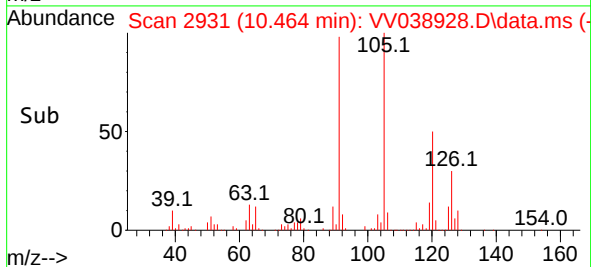
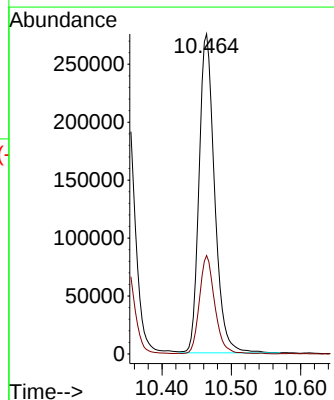
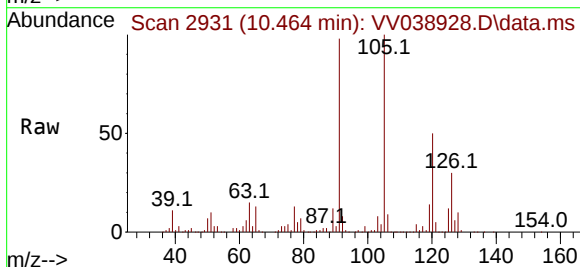
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

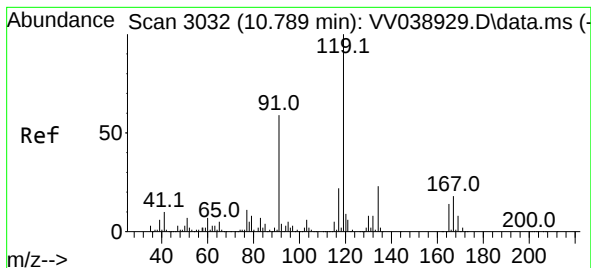
Tgt Ion: 75 Resp: 60226
Ion Ratio Lower Upper
75 100
53 90.7 69.0 103.4
89 52.9 38.8 58.2



#82
4-Chlorotoluene
Concen: 21.168 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV038928.D
Acq: 08 Aug 2025 10:59

Tgt Ion: 91 Resp: 428204
Ion Ratio Lower Upper
91 100
126 30.1 15.0 45.0





#83

tert-Butylbenzene

Concen: 19.713 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

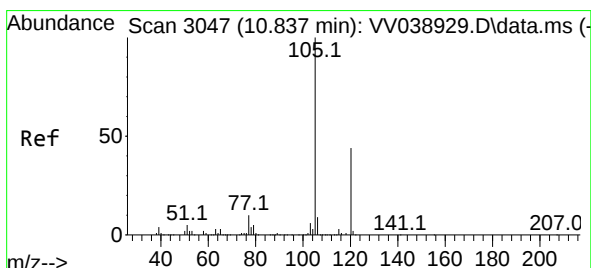
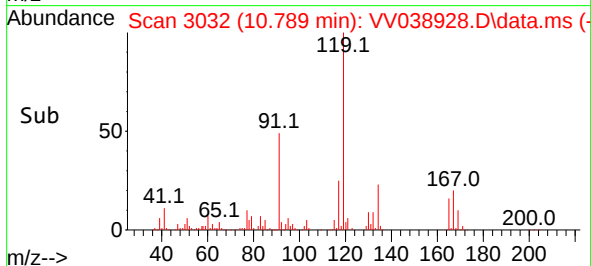
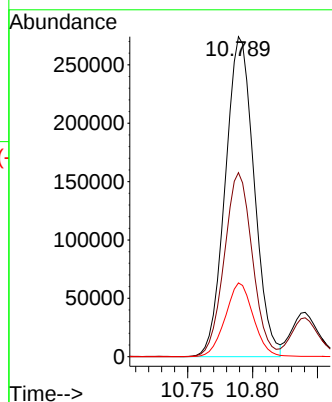
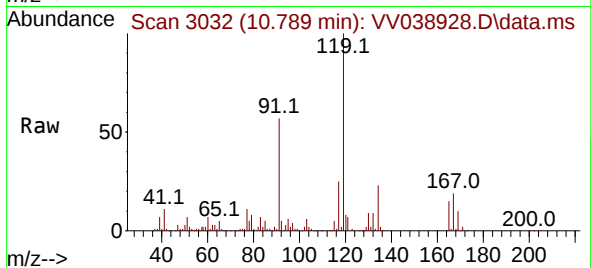
Tgt Ion:119 Resp: 423236

Ion Ratio Lower Upper

119 100

91 55.9 28.5 85.5

134 22.5 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 21.125 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV038928.D

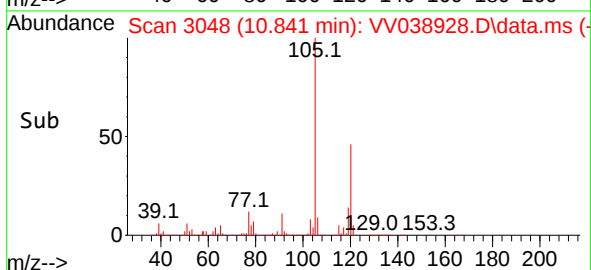
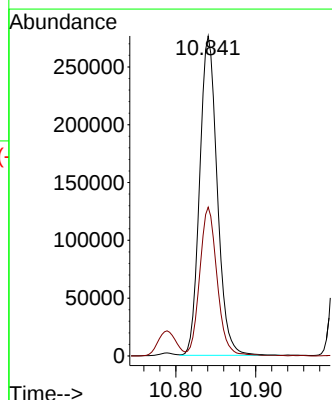
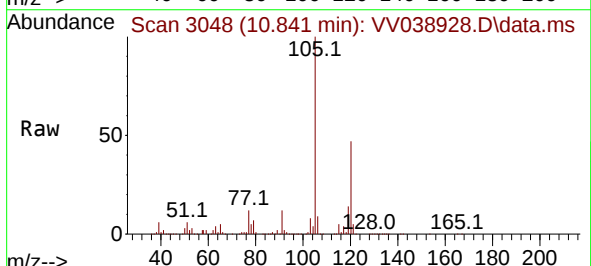
Acq: 08 Aug 2025 10:59

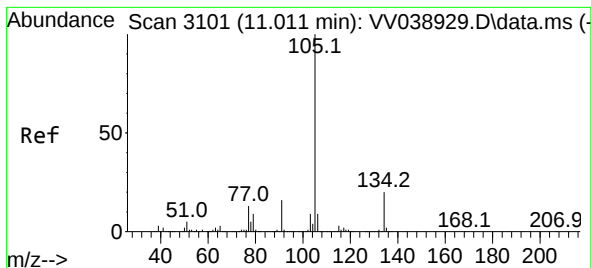
Tgt Ion:105 Resp: 422548

Ion Ratio Lower Upper

105 100

120 45.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.558 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

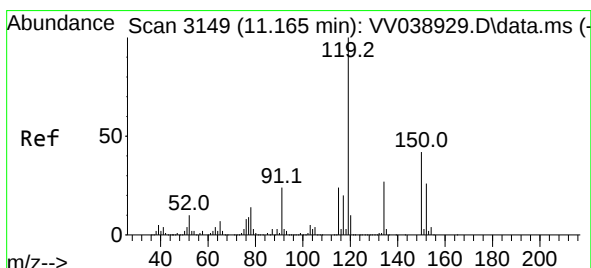
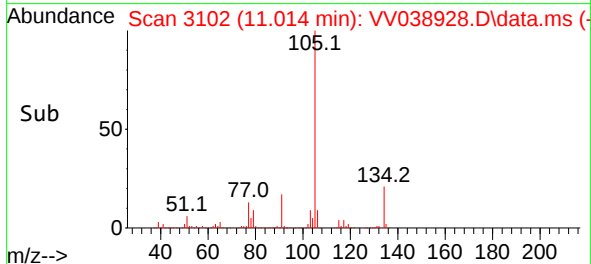
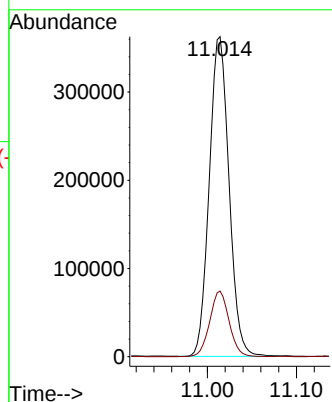
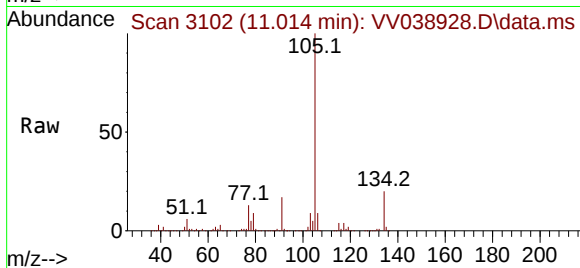
VSTDICC020

Tgt Ion:105 Resp: 557711

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.508 ug/l

RT: 11.168 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

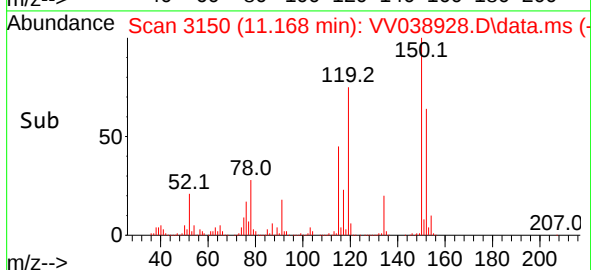
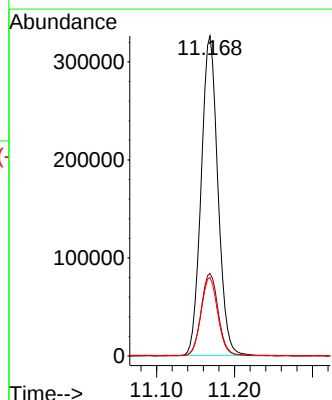
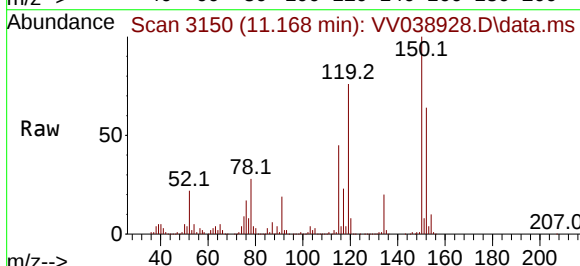
Tgt Ion:119 Resp: 484665

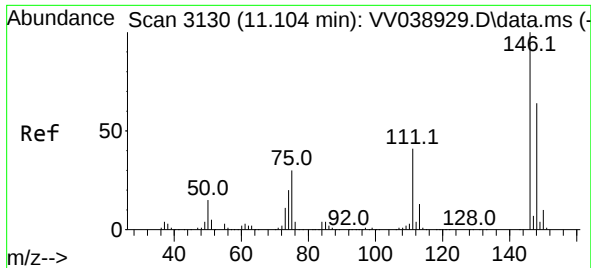
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.6

91 24.5 12.2 36.4

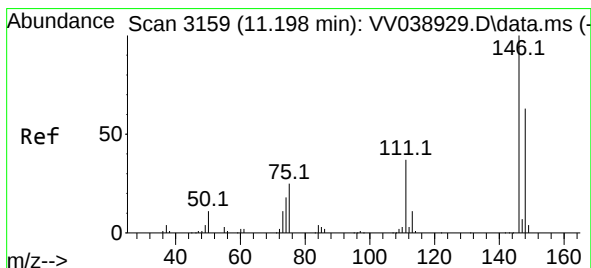
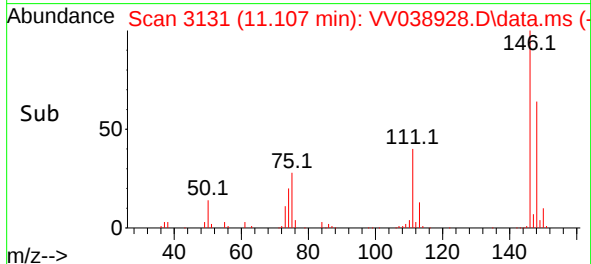
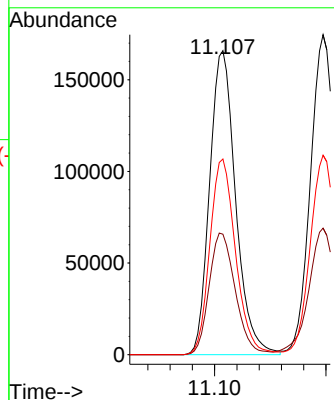
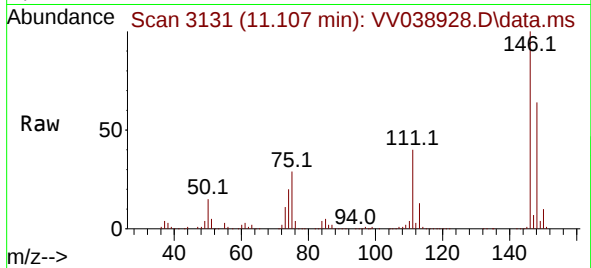




#87
 1,3-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 11.107 min Scan# 3131
 Delta R.T. 0.003 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

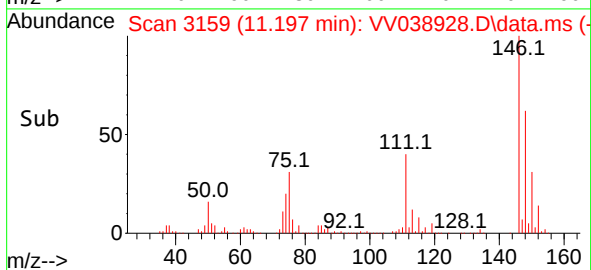
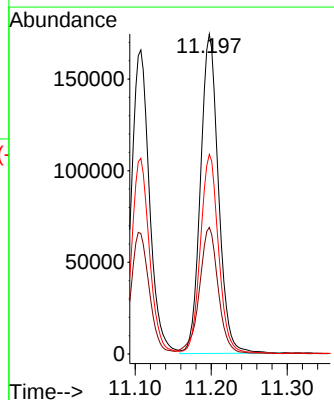
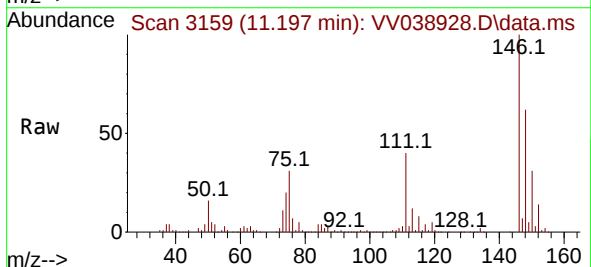
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

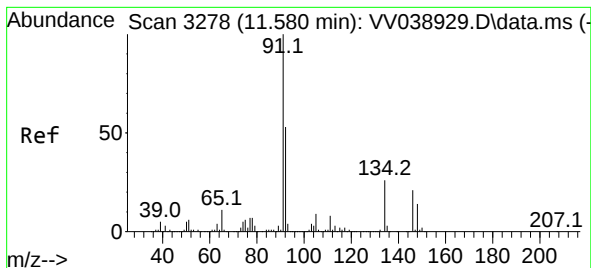
Tgt Ion:146 Resp: 268721
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.2
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.554 ug/l
 RT: 11.197 min Scan# 3159
 Delta R.T. -0.000 min
 Lab File: VV038928.D
 Acq: 08 Aug 2025 10:59

Tgt Ion:146 Resp: 285438
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.7 59.1
 148 63.4 31.4 94.2





#89

n-Butylbenzene

Concen: 20.320 ug/l

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

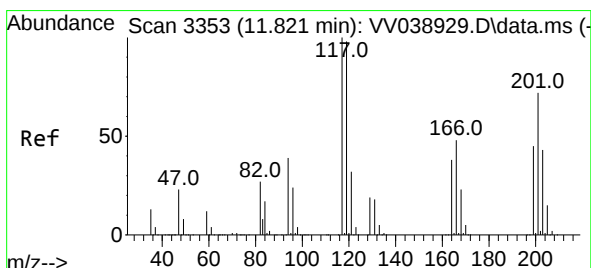
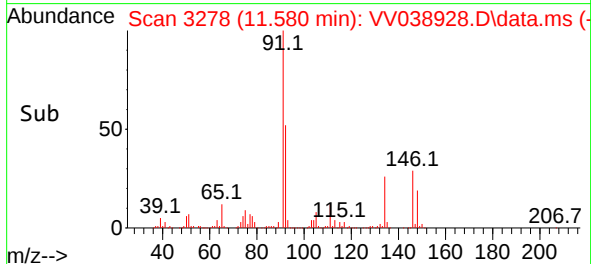
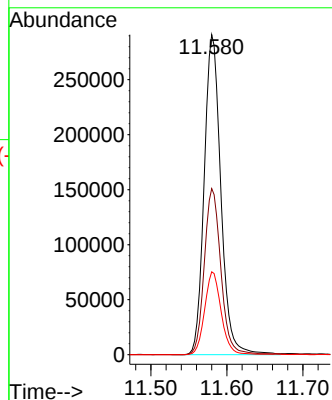
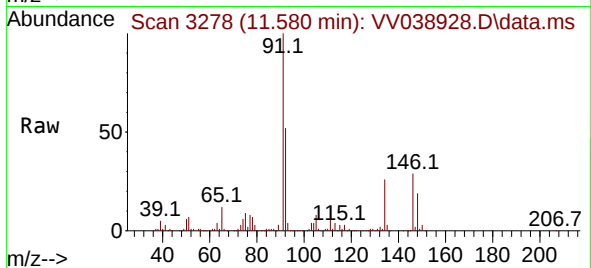
Tgt Ion: 91 Resp: 443937

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 25.6 13.0 38.9



#90

Hexachloroethane

Concen: 19.501 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. -0.000 min

Lab File: VV038928.D

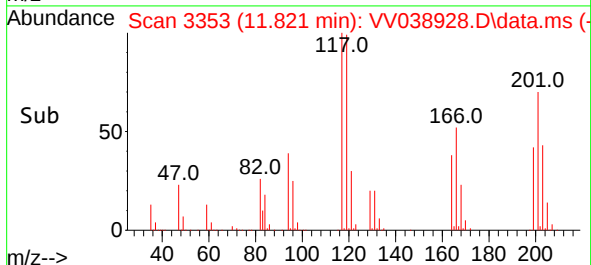
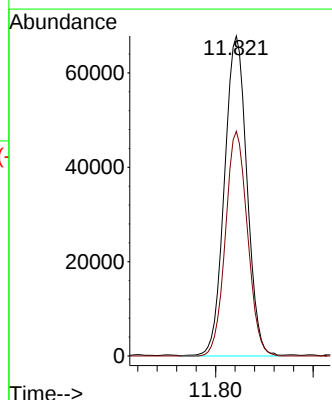
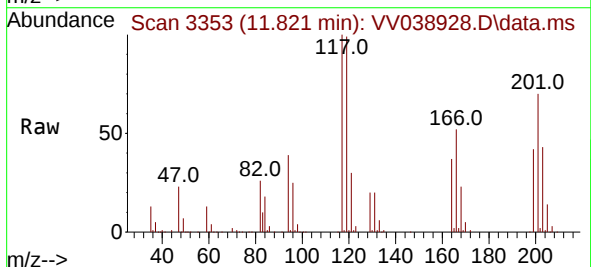
Acq: 08 Aug 2025 10:59

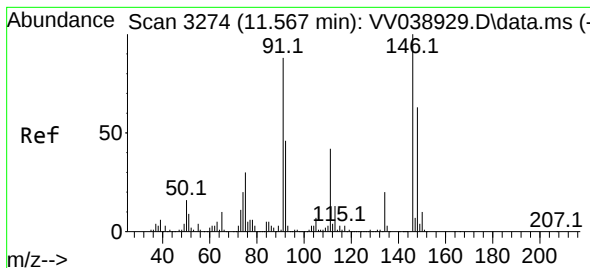
Tgt Ion: 117 Resp: 108711

Ion Ratio Lower Upper

117 100

201 68.8 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 19.763 ug/l

RT: 11.567 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

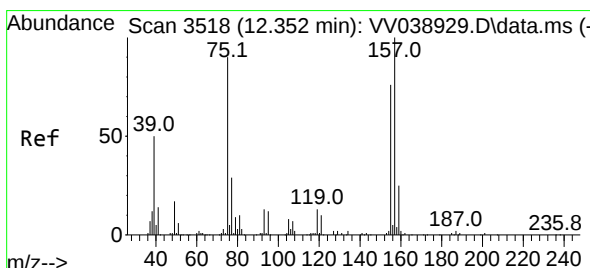
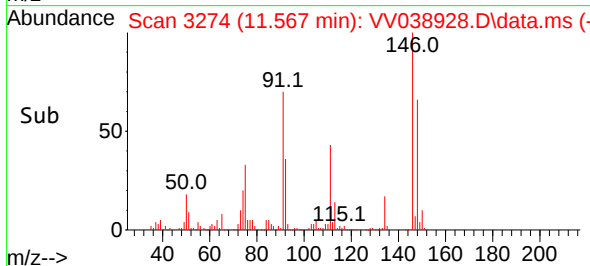
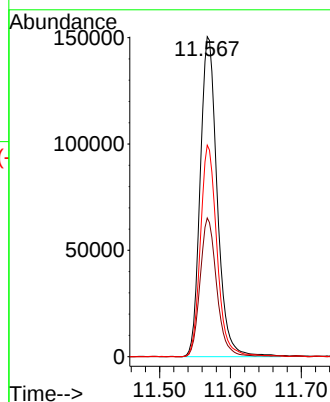
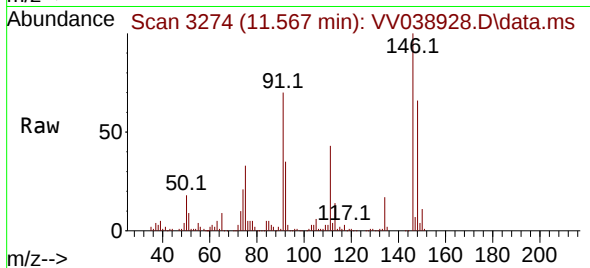
Tgt Ion:146 Resp: 250401

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

148 64.7 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.941 ug/l

RT: 12.352 min Scan# 3518

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

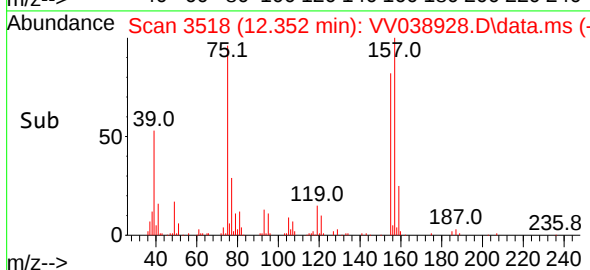
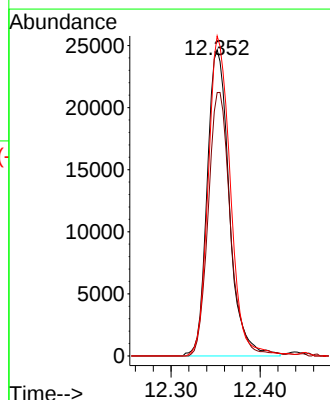
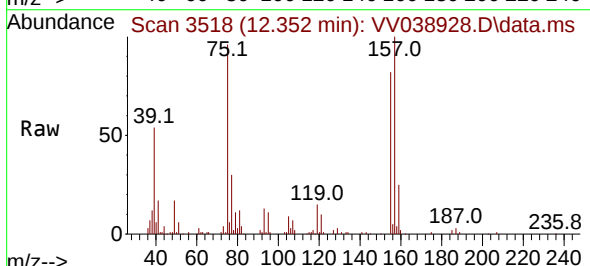
Tgt Ion: 75 Resp: 42369

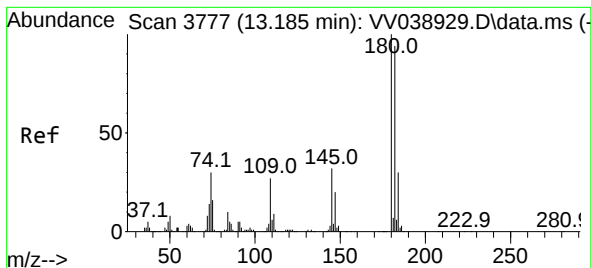
Ion Ratio Lower Upper

75 100

155 86.7 41.4 124.2

157 105.0 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 19.468 ug/l

RT: 13.184 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

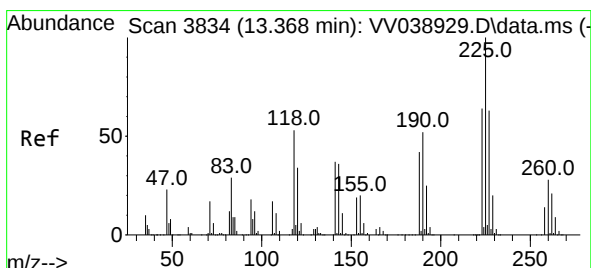
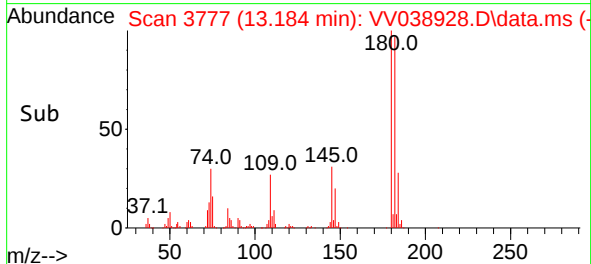
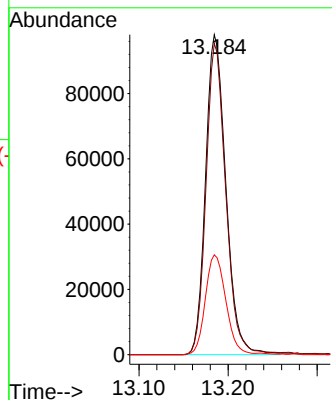
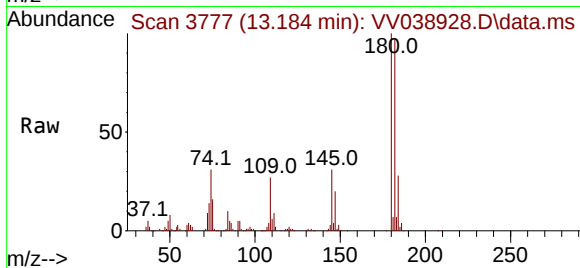
Tgt Ion:180 Resp: 155578

Ion Ratio Lower Upper

180 100

182 93.9 47.1 141.3

145 31.4 15.9 47.6



#94

Hexachlorobutadiene

Concen: 19.044 ug/l

RT: 13.371 min Scan# 3835

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

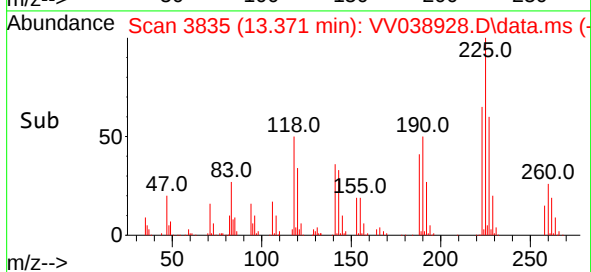
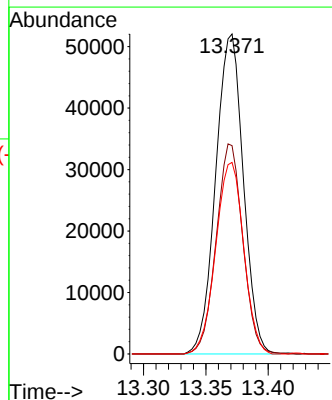
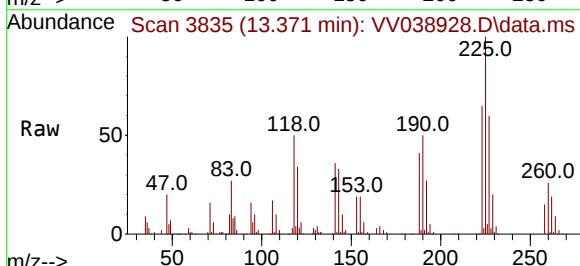
Tgt Ion:225 Resp: 80418

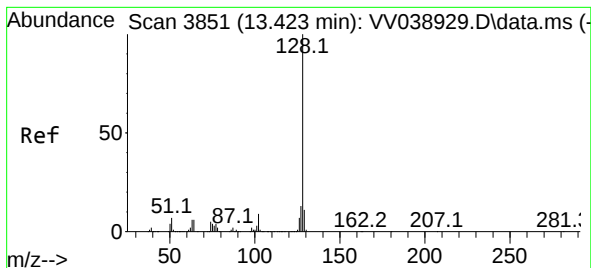
Ion Ratio Lower Upper

225 100

223 63.0 32.0 96.0

227 60.5 31.3 93.9





#95

Naphthalene

Concen: 18.747 ug/l

RT: 13.426 min Scan# 3851

Delta R.T. 0.003 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

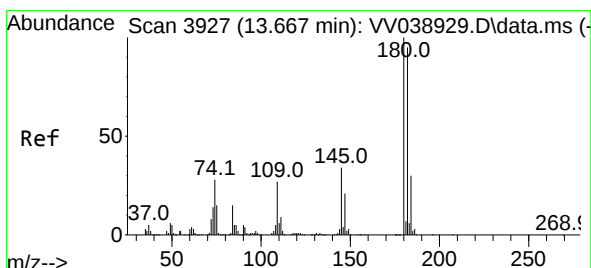
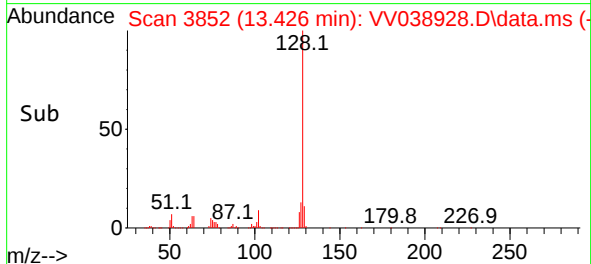
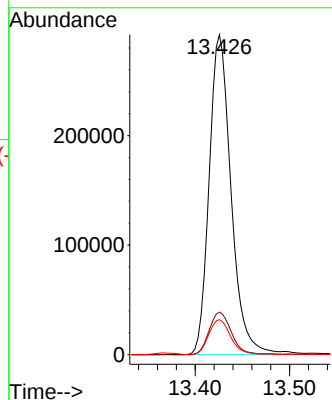
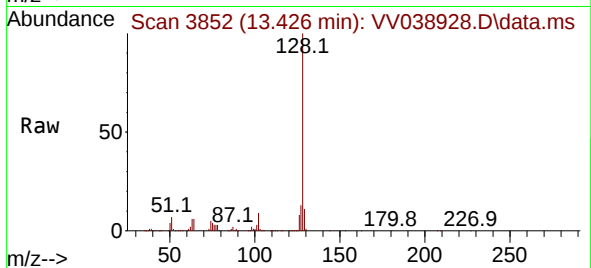
Tgt Ion:128 Resp: 470095

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 10.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 19.161 ug/l

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV038928.D

Acq: 08 Aug 2025 10:59

Tgt Ion:180 Resp: 156704

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.5

145 35.1 17.1 51.3

