

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038982.D
 Acq On : 21 Aug 2025 15:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:31:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	531490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	833989	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	788137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	452177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	357200	47.897	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	95.800%
35) Dibromofluoromethane	4.497	113	306725	49.041	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	98.080%
50) Toluene-d8	7.233	98	1069148	49.022	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	98.040%
62) 4-Bromofluorobenzene	10.001	95	405262	50.794	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	101.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	342476	43.105	ug/l	98
3) Chloromethane	1.227	50	356758	43.471	ug/l	99
4) Vinyl Chloride	1.294	62	380696	43.963	ug/l	99
5) Bromomethane	1.490	94	230805	49.319	ug/l	100
6) Chloroethane	1.558	64	207618	47.051	ug/l	98
7) Trichlorofluoromethane	1.722	101	549850	46.350	ug/l	99
8) Diethyl Ether	1.915	74	178116	48.824	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.079	101	294382	44.957	ug/l	99
10) Methyl Iodide	2.195	142	403340	49.509	ug/l	99
11) Tert butyl alcohol	2.561	59	281494	278.878	ug/l	98
12) 1,1-Dichloroethene	2.079	96	285119	47.267	ug/l	97
13) Acrolein	2.008	56	77199	234.958	ug/l	97
14) Allyl chloride	2.355	41	489815	60.818	ug/l	92
15) Acrylonitrile	2.670	53	885873	290.406	ug/l	100
16) Acetone	2.114	43	735795	245.822	ug/l	99
17) Carbon Disulfide	2.249	76	822910	49.049	ug/l	99
18) Methyl Acetate	2.375	43	398423	62.800	ug/l	94
19) Methyl tert-butyl Ether	2.706	73	1021253	57.258	ug/l	95
20) Methylene Chloride	2.455	84	366778	52.729	ug/l	91
21) trans-1,2-Dichloroethene	2.699	96	340758	54.238	ug/l	97
22) Diisopropyl ether	3.207	45	992852	56.148	ug/l	98
23) Vinyl Acetate	3.182	43	4090814	288.321	ug/l	96
24) 1,1-Dichloroethane	3.114	63	591902	50.533	ug/l	98
25) 2-Butanone	3.854	43	1105805	283.941	ug/l	98
26) 2,2-Dichloropropane	3.809	77	543775	48.394	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	381524	50.313	ug/l	97
28) Bromochloromethane	4.143	49	143149	56.970	ug/l	89
29) Tetrahydrofuran	4.227	42	719082	276.602	ug/l	92
30) Chloroform	4.275	83	638184	47.678	ug/l	100
31) Cyclohexane	4.580	56	509568	48.759	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	572373	45.515	ug/l	98
36) 1,1-Dichloropropene	4.741	75	408356	50.275	ug/l	98
37) Ethyl Acetate	3.966	43	428871	54.042	ug/l	97
38) Carbon Tetrachloride	4.731	117	500656	46.028	ug/l	97
39) Methylcyclohexane	6.046	83	555661	53.539	ug/l	96
40) Benzene	5.005	78	1310064	51.495	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.149	41	189119	63.242	ug/l	94
42) 1,2-Dichloroethane	5.037	62	447547	48.120	ug/l	99
43) Isopropyl Acetate	5.185	43	674425	55.696	ug/l	96
44) Trichloroethene	5.828	130	334828	48.520	ug/l	95
45) 1,2-Dichloropropane	6.085	63	324387	53.167	ug/l	99
46) Dibromomethane	6.223	93	246649	48.177	ug/l	97
47) Bromodichloromethane	6.423	83	497504	47.749	ug/l	98
48) Methyl methacrylate	6.291	41	316869	58.377	ug/l	93
49) 1,4-Dioxane	6.284	88	105683	1164.421	ug/l	98
51) 4-Methyl-2-Pentanone	7.143	43	2270370	285.555	ug/l	98
52) Toluene	7.307	92	846141	52.516	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	503846	51.728	ug/l	100
54) cis-1,3-Dichloropropene	6.944	75	536147	53.126	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	345555	49.189	ug/l	99
56) Ethyl methacrylate	7.712	69	489047	46.056	ug/l	99
57) 1,3-Dichloropropane	7.931	76	551282	50.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.808	63	1345575	270.565	ug/l	96
59) 2-Hexanone	8.059	43	1690220	224.805	ug/l	99
60) Dibromochloromethane	8.165	129	398227	46.946	ug/l	98
61) 1,2-Dibromoethane	8.271	107	363766	49.912	ug/l	99
64) Tetrachloroethene	7.895	164	297008	50.645	ug/l	100
65) Chlorobenzene	8.802	112	940992	49.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.895	131	334726	49.069	ug/l	99
67) Ethyl Benzene	8.934	91	1597667	55.074	ug/l	100
68) m/p-Xylenes	9.062	106	1282293	113.815	ug/l	100
69) o-Xylene	9.468	106	590206	57.475	ug/l	99
70) Styrene	9.484	104	1059046	60.112	ug/l	100
71) Bromoform	9.654	173	280545	49.915	ug/l #	99
73) Isopropylbenzene	9.853	105	1622391	53.470	ug/l	100
74) N-amyl acetate	9.722	43	607714	54.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	543269	45.083	ug/l	97
76) 1,2,3-Trichloropropane	10.197	75	400812	47.788	ug/l	96
77) Bromobenzene	10.140	156	389490	49.961	ug/l	99
78) n-propylbenzene	10.278	91	1960269	54.110	ug/l	99
79) 2-Chlorotoluene	10.349	91	1156919	53.188	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1400151	54.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	190242	52.076	ug/l	96
82) 4-Chlorotoluene	10.461	91	1373621	54.791	ug/l	100
83) tert-Butylbenzene	10.789	119	1373358	54.165	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	1398463	57.229	ug/l	99
85) sec-Butylbenzene	11.011	105	1813510	54.997	ug/l	100
86) p-Isopropyltoluene	11.165	119	1540958	55.491	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	780470	50.700	ug/l	100
88) 1,4-Dichlorobenzene	11.197	146	792148	48.240	ug/l	98
89) n-Butylbenzene	11.580	91	1480179	54.710	ug/l	99
90) Hexachloroethane	11.818	117	301675	47.007	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	738684	50.324	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	115589	49.320	ug/l	99
93) 1,2,4-Trichlorobenzene	13.184	180	473764	54.087	ug/l	99
94) Hexachlorobutadiene	13.368	225	215797	47.789	ug/l	99
95) Naphthalene	13.422	128	1616722	58.487	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	485913	55.016	ug/l	100

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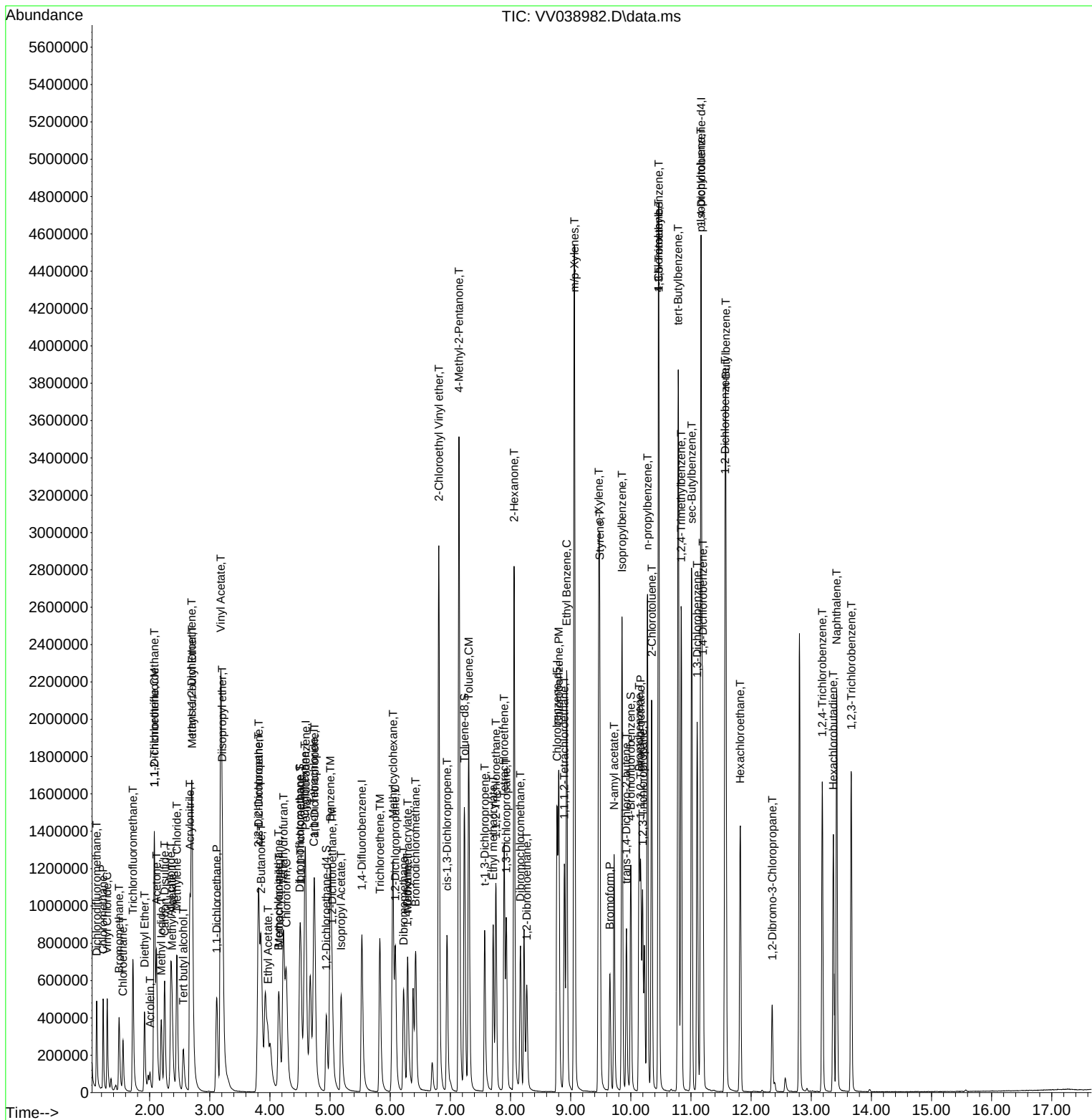
Instrument :
MSVOA_V
ClientSampleId :

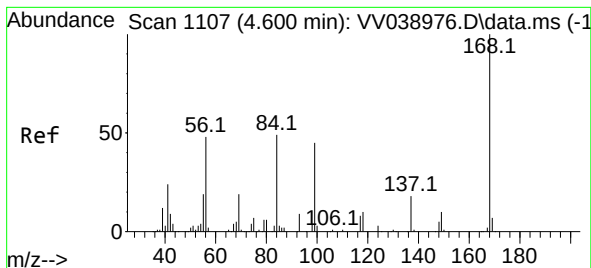
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Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 11

Delta R.T. -0.004 min

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Instrument :

MSVOA_V

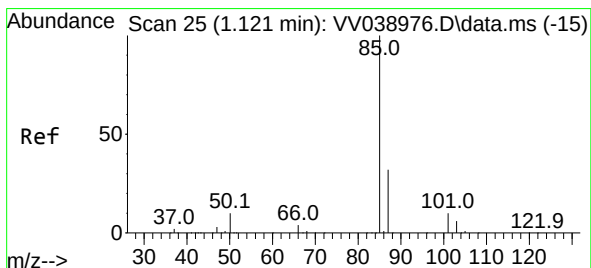
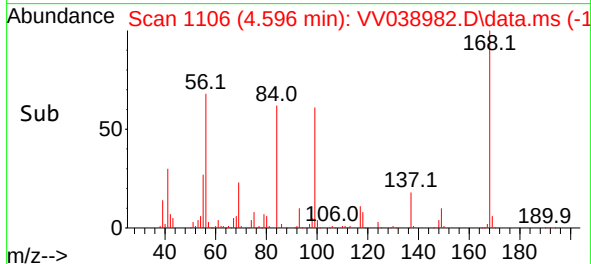
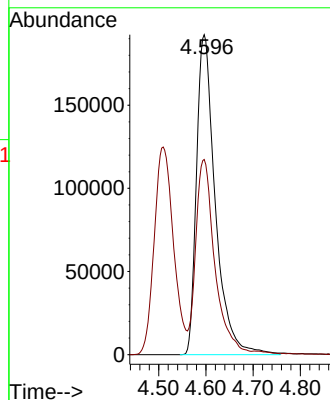
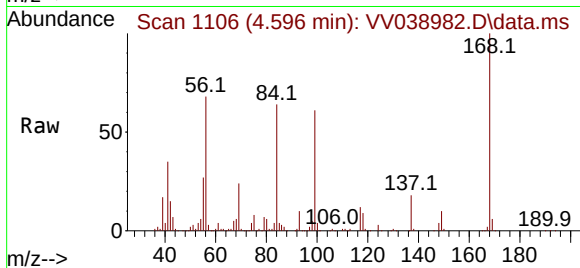
ClientSampleId :

Tgt Ion:168 Resp: 531490

Ion Ratio Lower Upper

168 100

99 60.7 47.0 70.6



#2

Dichlorodifluoromethane

Concen: 43.105 ug/l

RT: 1.121 min Scan# 25

Delta R.T. -0.000 min

Lab File: VV038982.D

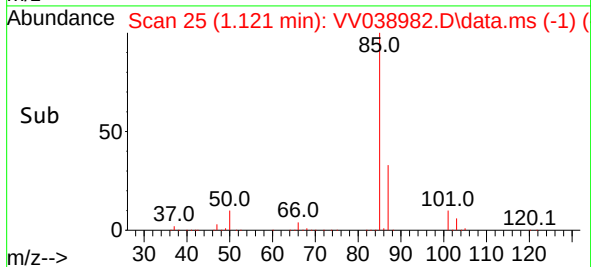
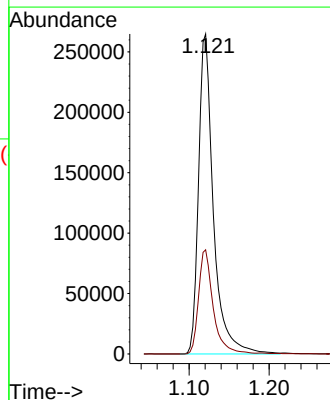
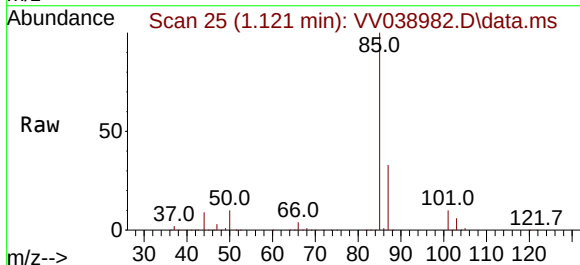
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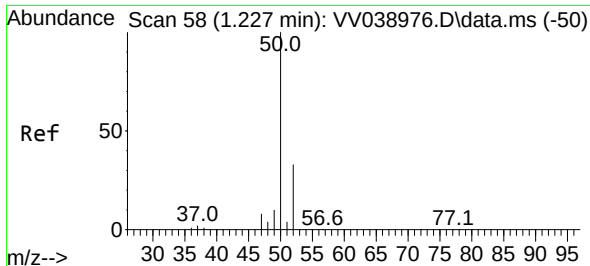
Tgt Ion: 85 Resp: 342476

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3

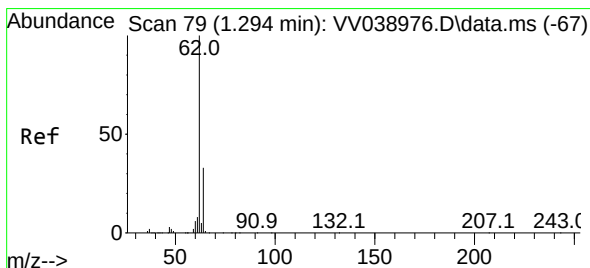
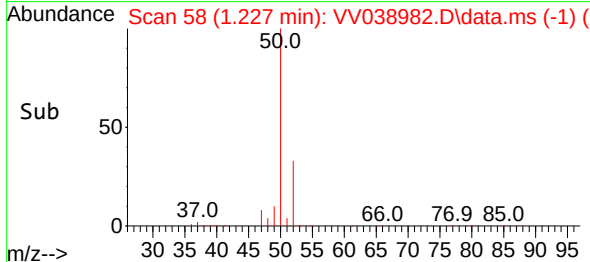
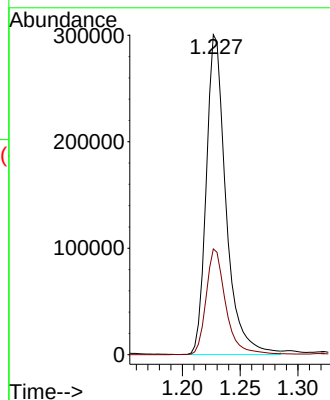
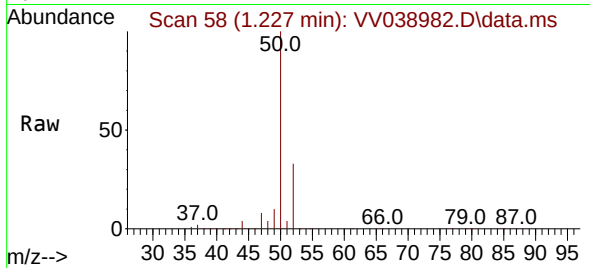




#3
Chloromethane
Concen: 43.471 ug/l
RT: 1.227 min Scan# 58
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

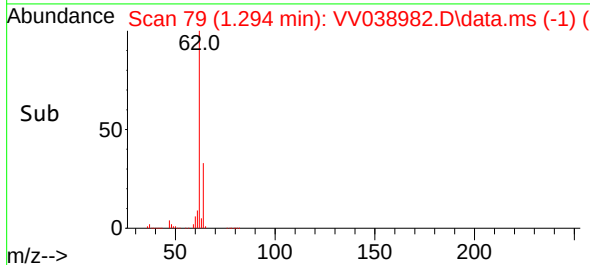
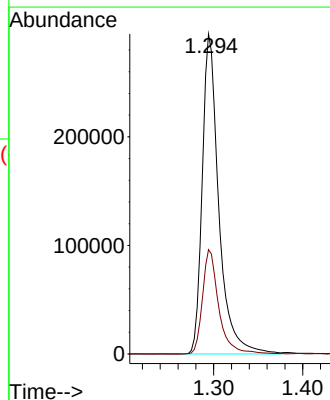
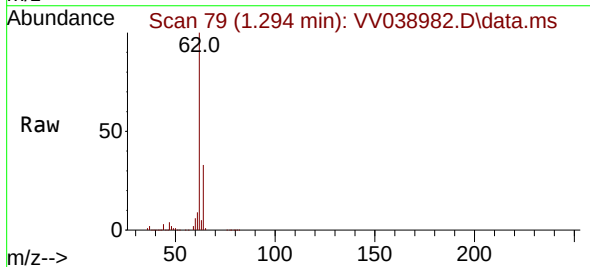
Instrument :
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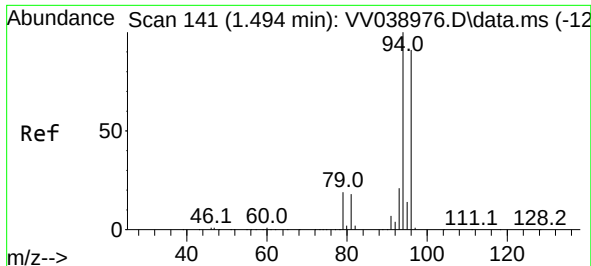
Tgt Ion: 50 Resp: 356758
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.2



#4
Vinyl Chloride
Concen: 43.963 ug/l
RT: 1.294 min Scan# 79
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 62 Resp: 380696
Ion Ratio Lower Upper
62 100
64 32.6 26.4 39.6

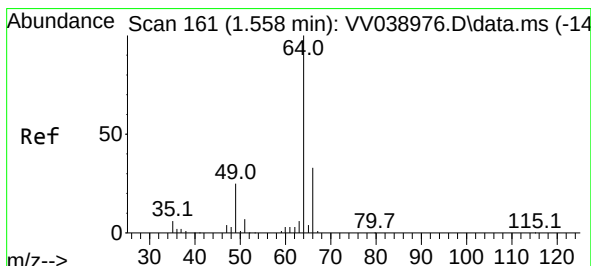
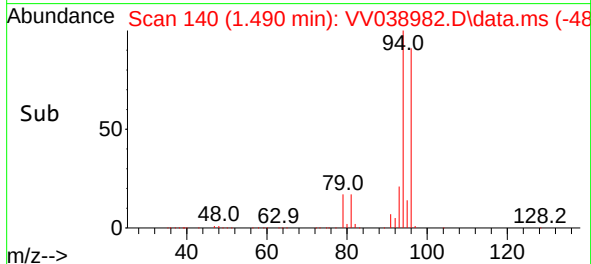
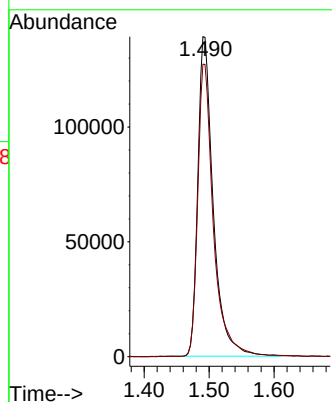
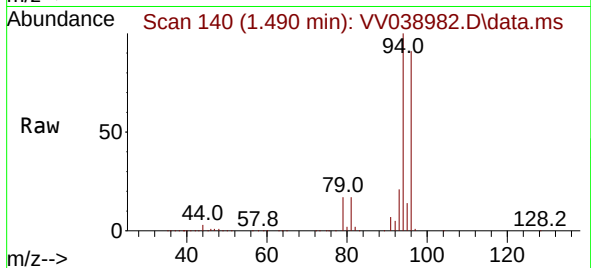




#5
Bromomethane
Concen: 49.319 ug/l
RT: 1.490 min Scan# 141
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

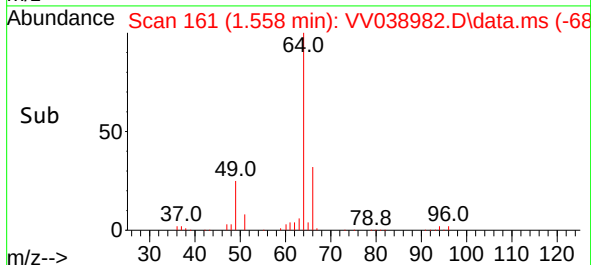
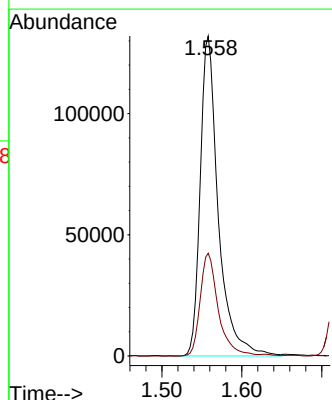
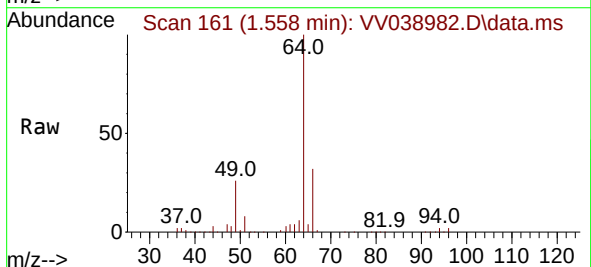
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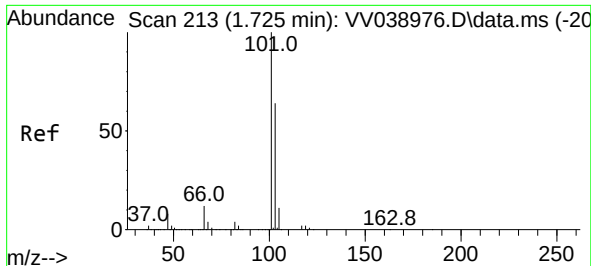
Tgt Ion: 94 Resp: 230805
Ion Ratio Lower Upper
94 100
96 91.4 73.1 109.7



#6
Chloroethane
Concen: 47.051 ug/l
RT: 1.558 min Scan# 161
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 64 Resp: 207618
Ion Ratio Lower Upper
64 100
66 32.1 26.8 40.2

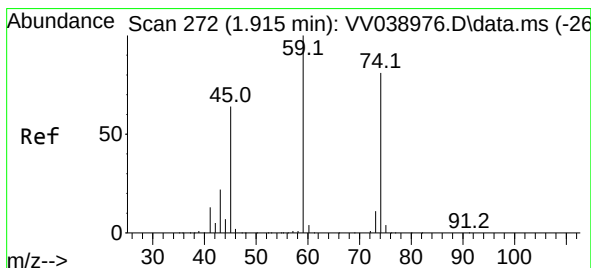
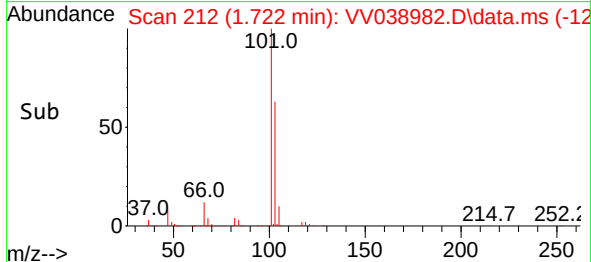
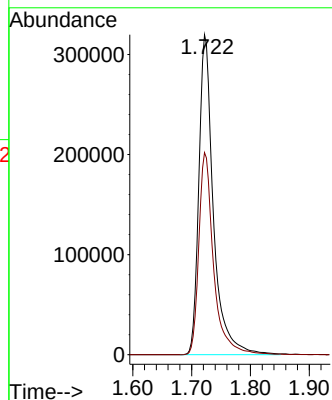
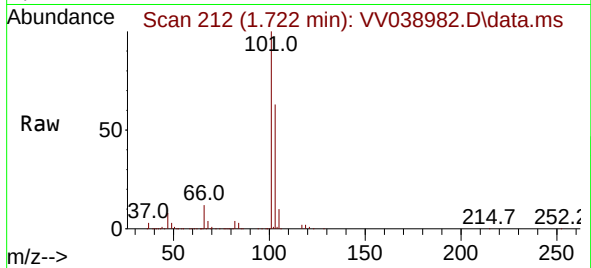




#7
 Trichlorofluoromethane
 Concen: 46.350 ug/l
 RT: 1.722 min Scan# 213
 Delta R.T. -0.003 min
 Lab File: VV038982.D
 Acq: 21 Aug 2025 15:42

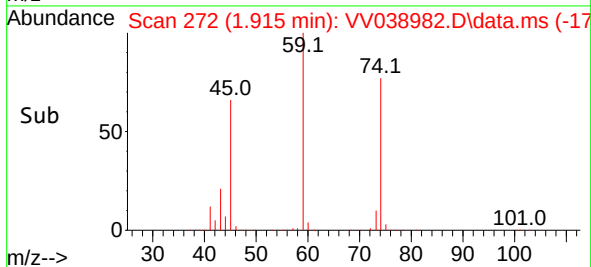
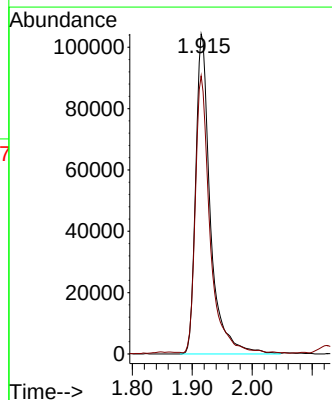
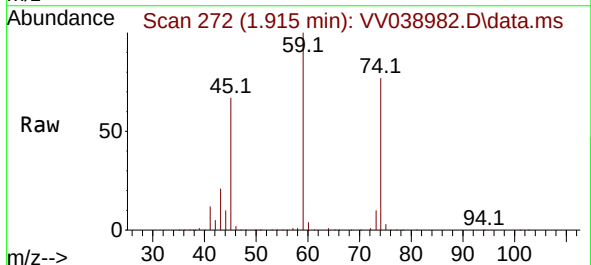
Instrument :
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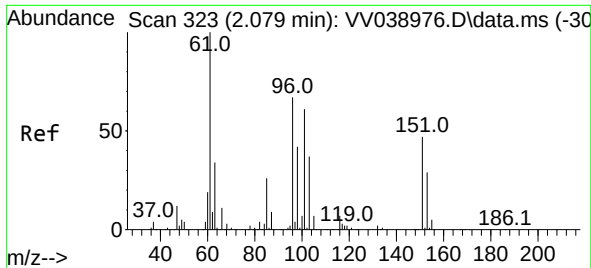
Tgt Ion:101 Resp: 549850
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.4 77.2



#8
 Diethyl Ether
 Concen: 48.824 ug/l
 RT: 1.915 min Scan# 272
 Delta R.T. -0.000 min
 Lab File: VV038982.D
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Tgt Ion: 74 Resp: 178116
 Ion Ratio Lower Upper
 74 100
 45 85.9 39.8 119.4

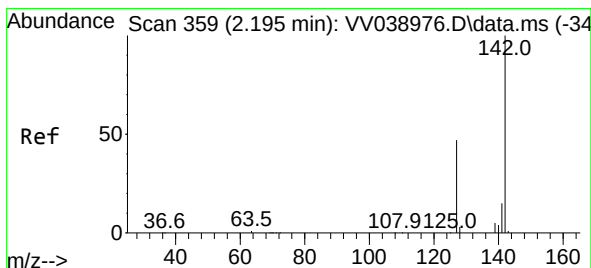
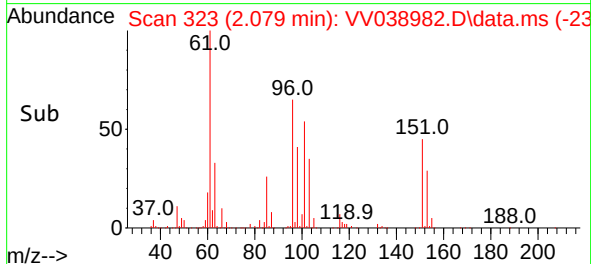
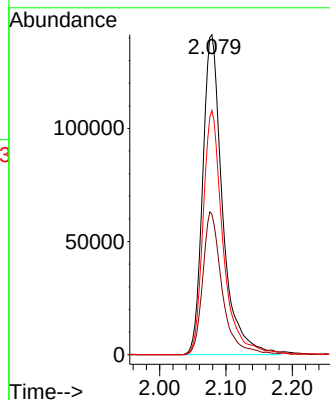
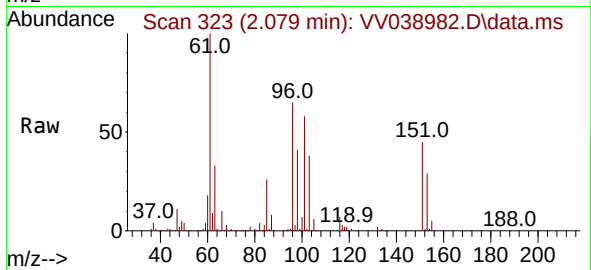




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.957 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
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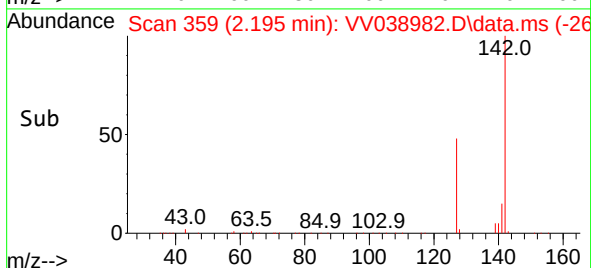
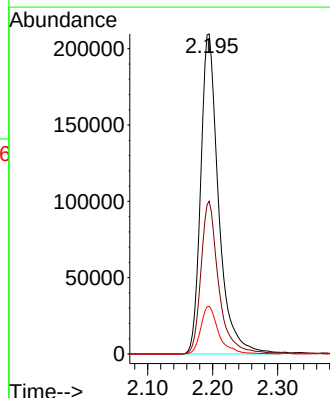
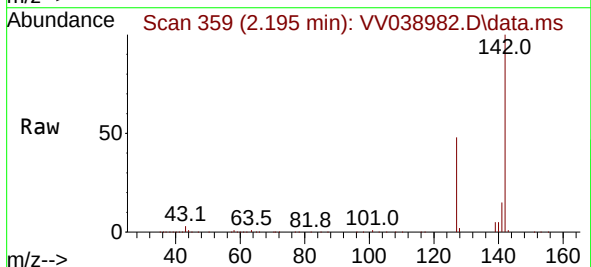
Instrument :
MSVOA_V
ClientSampleId :

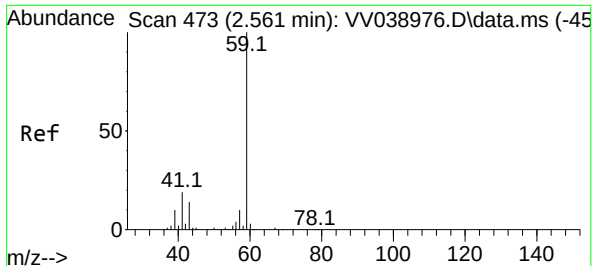
Tgt Ion:101 Resp: 294382
Ion Ratio Lower Upper
101 100
85 43.5 34.6 51.8
151 76.6 62.1 93.1



#10
Methyl Iodide
Concen: 49.509 ug/l
RT: 2.195 min Scan# 359
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:142 Resp: 403340
Ion Ratio Lower Upper
142 100
127 47.2 38.6 57.8
141 14.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 278.878 ug/l

RT: 2.561 min Scan# 473

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

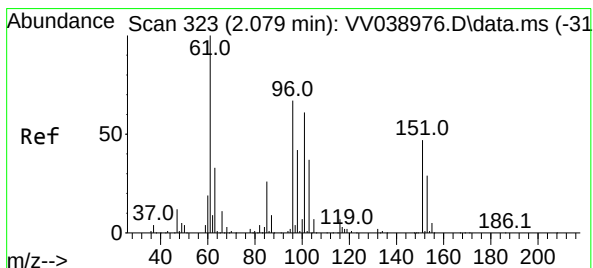
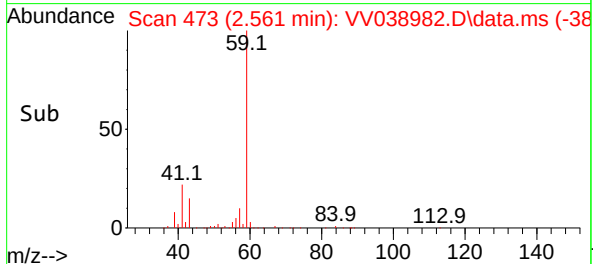
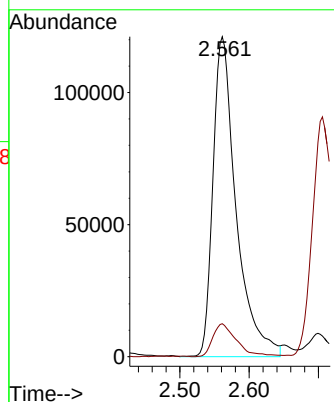
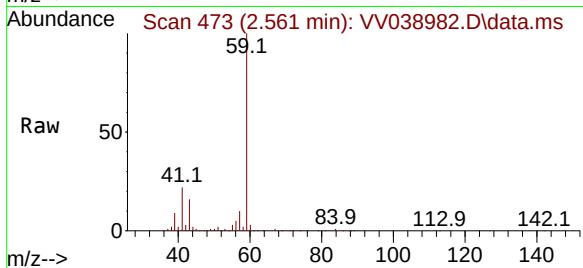
ClientSampleId :

Tgt Ion: 59 Resp: 281494

Ion Ratio Lower Upper

59 100

57 10.7 8.1 12.1



#12

1,1-Dichloroethene

Concen: 47.267 ug/l

RT: 2.079 min Scan# 323

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

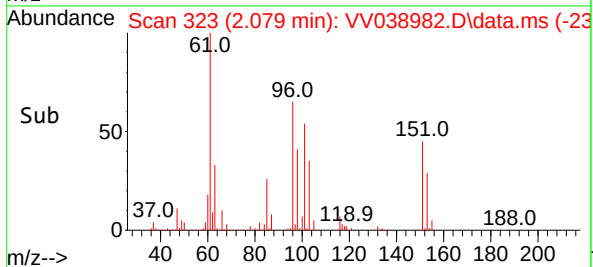
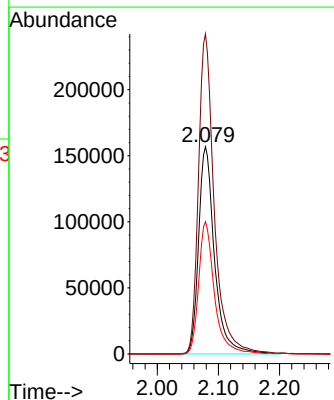
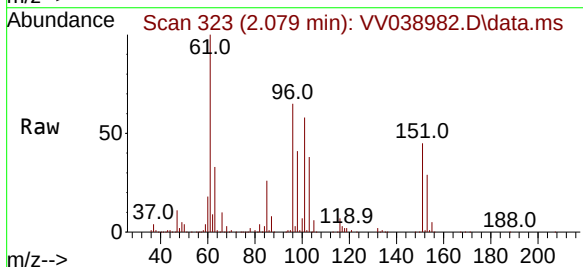
Tgt Ion: 96 Resp: 285119

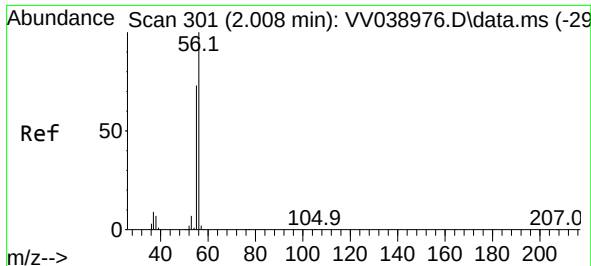
Ion Ratio Lower Upper

96 100

61 154.4 119.8 179.8

98 63.9 50.2 75.2

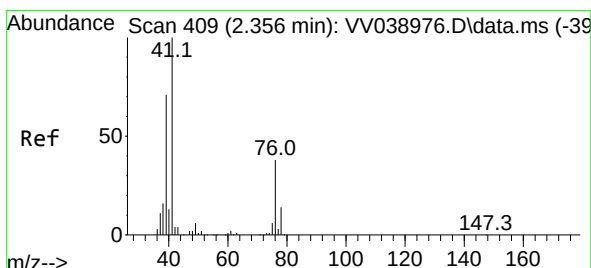
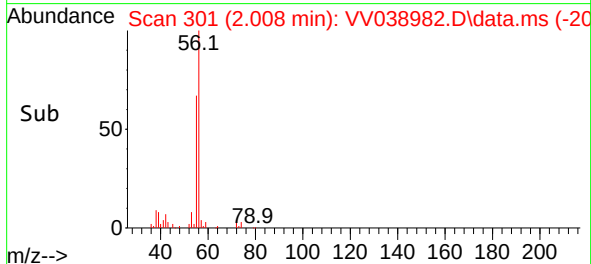
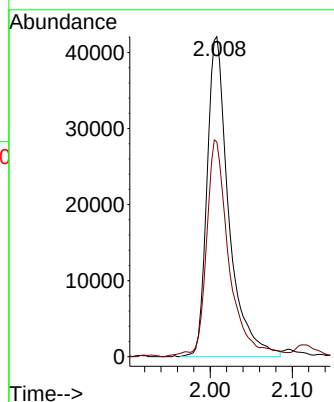
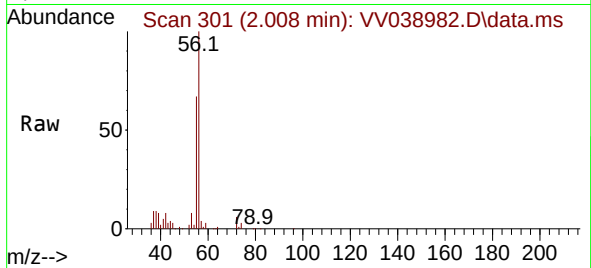




#13
Acrolein
Concen: 234.958 ug/l
RT: 2.008 min Scan# 301
Delta R.T. 0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

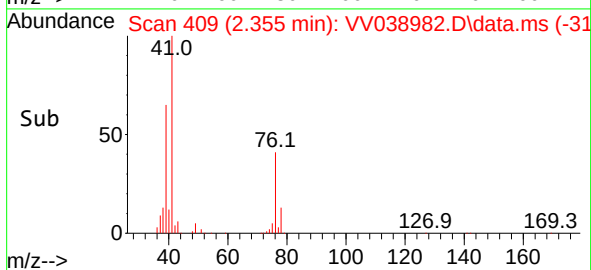
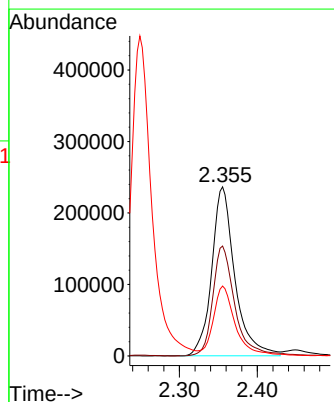
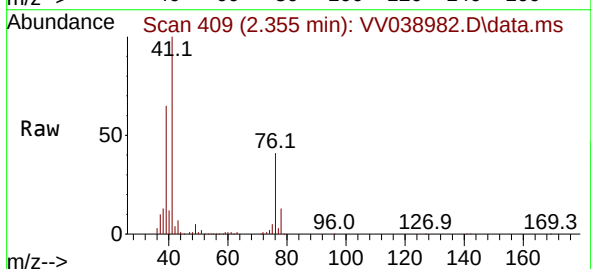
Instrument :
MSVOA_V
ClientSampleId :

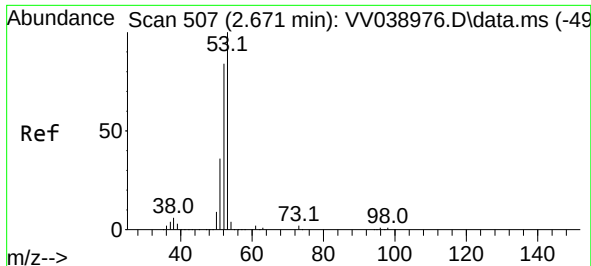
Tgt Ion: 56 Resp: 77199
Ion Ratio Lower Upper
56 100
55 70.7 58.8 88.2



#14
Allyl chloride
Concen: 60.818 ug/l
RT: 2.355 min Scan# 409
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

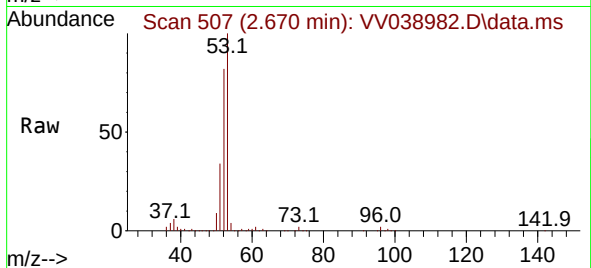
Tgt Ion: 41 Resp: 489815
Ion Ratio Lower Upper
41 100
39 62.7 55.0 82.4
76 39.0 35.6 53.4



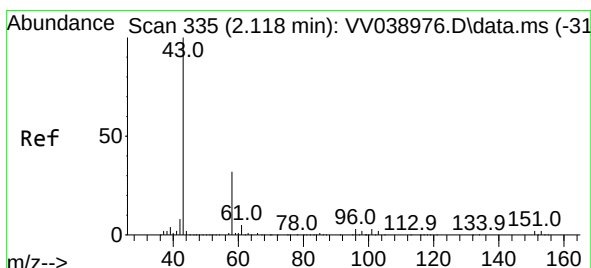
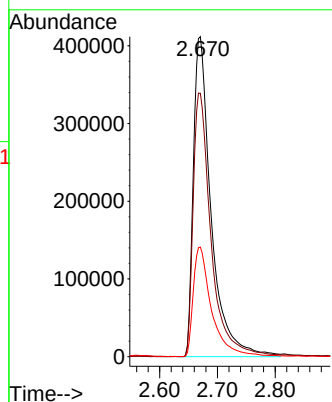
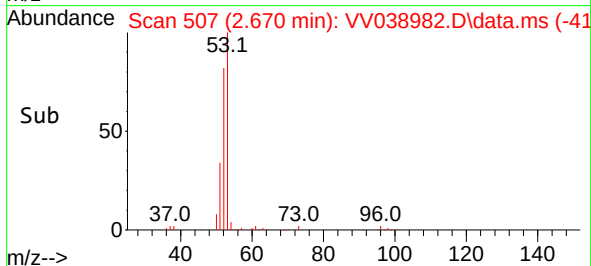


#15
Acrylonitrile
Concen: 290.406 ug/l
RT: 2.670 min Scan# 507
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

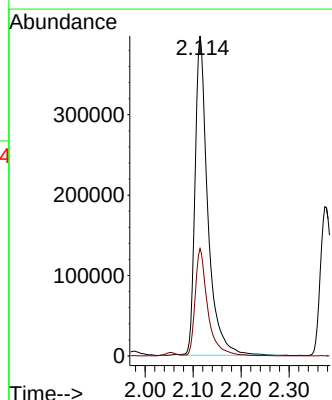
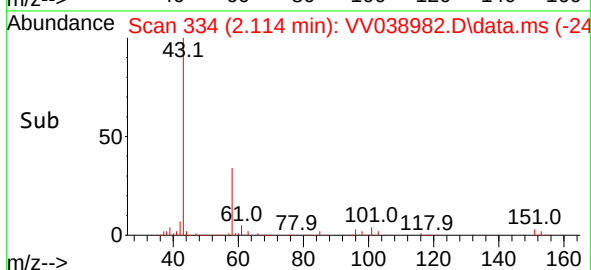
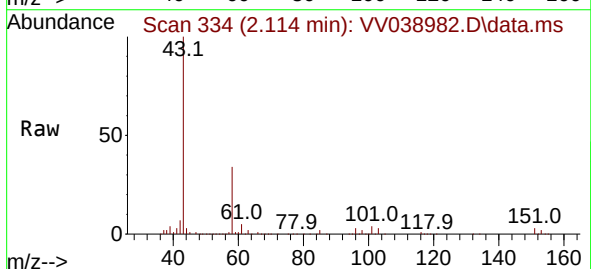


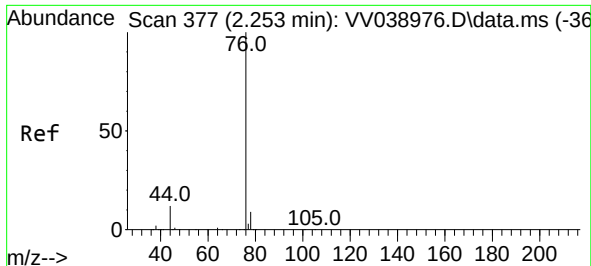
Tgt Ion: 53 Resp: 885873
Ion Ratio Lower Upper
53 100
52 82.6 66.2 99.4
51 35.3 28.5 42.7



#16
Acetone
Concen: 245.822 ug/l
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 43 Resp: 735795
Ion Ratio Lower Upper
43 100
58 33.5 26.3 39.5

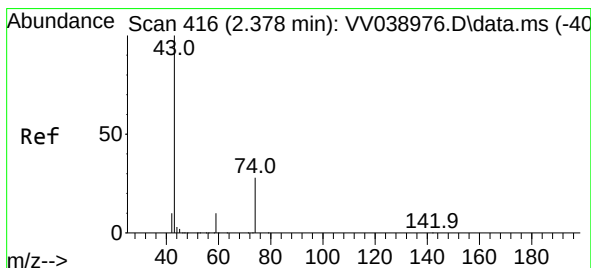
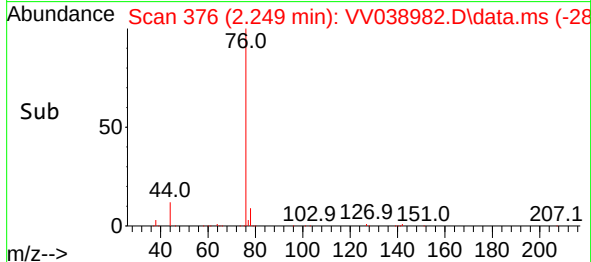
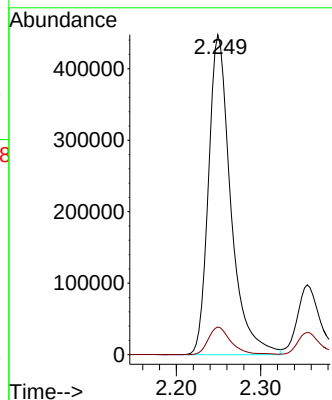
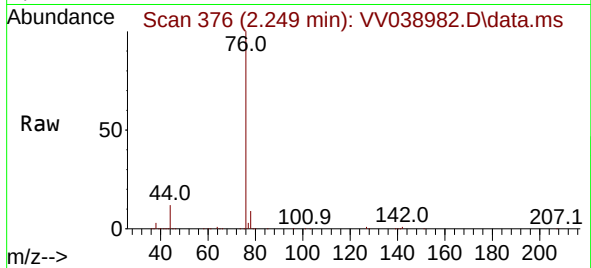




#17
Carbon Disulfide
Concen: 49.049 ug/l
RT: 2.249 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

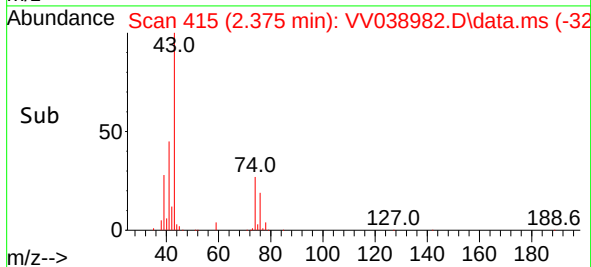
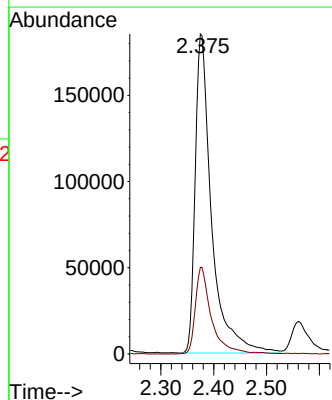
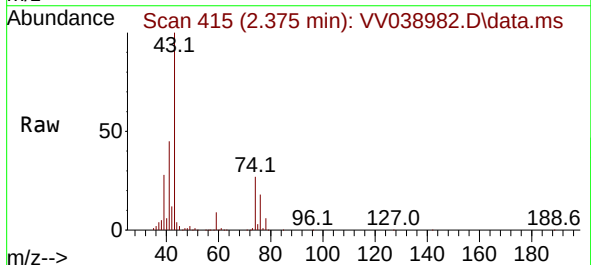
Instrument :
MSVOA_V
ClientSampleId :

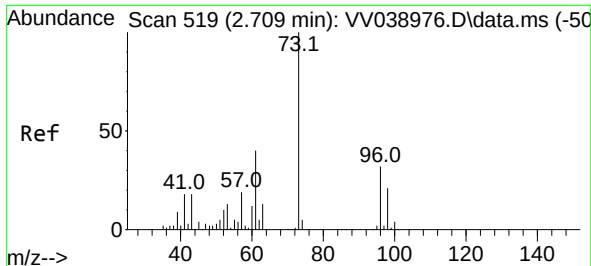
Tgt Ion: 76 Resp: 822910
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 62.800 ug/l
RT: 2.375 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 43 Resp: 398423
Ion Ratio Lower Upper
43 100
74 26.3 23.5 35.3

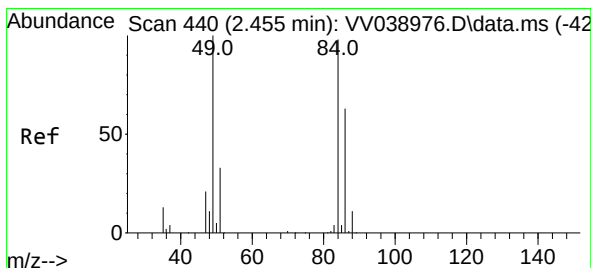
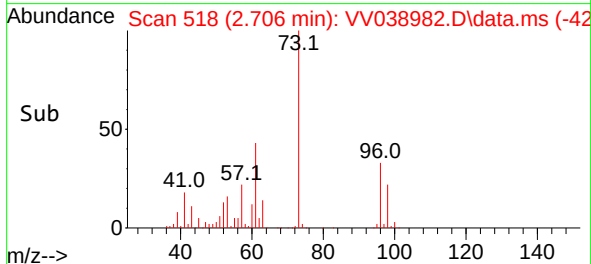
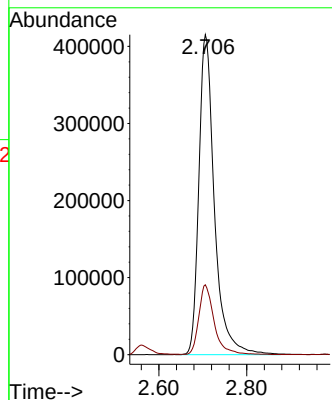
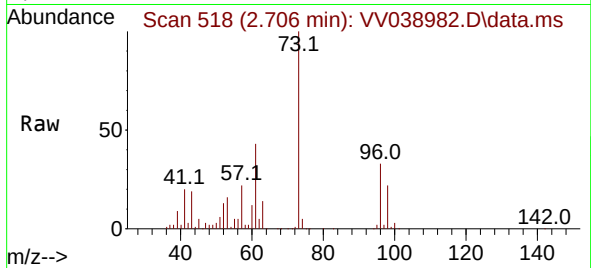




#19
Methyl tert-butyl Ether
Concen: 57.258 ug/l
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

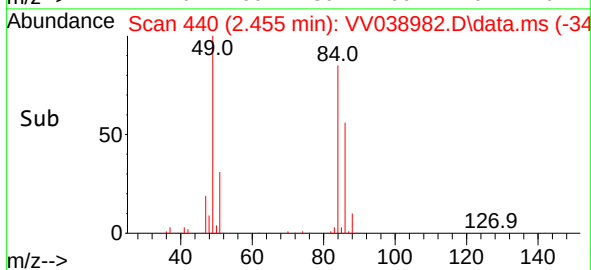
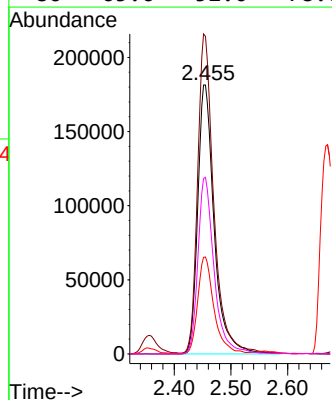
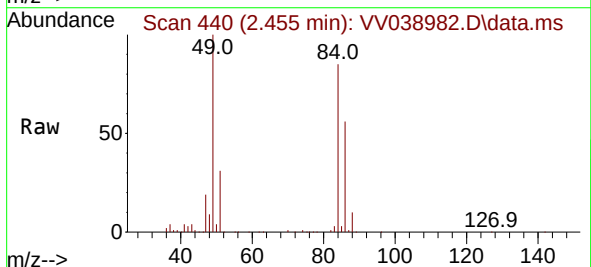
Instrument :
MSVOA_V
ClientSampleId :

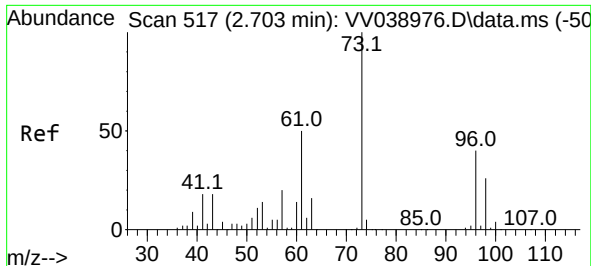
Tgt Ion: 73 Resp: 1021253
Ion Ratio Lower Upper
73 100
57 21.8 15.7 23.5



#20
Methylene Chloride
Concen: 52.729 ug/l
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 84 Resp: 366778
Ion Ratio Lower Upper
84 100
49 117.8 81.9 122.9
51 35.9 26.9 40.3
86 65.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 54.238 ug/l

RT: 2.699 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

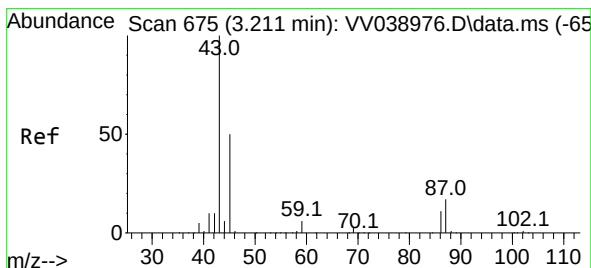
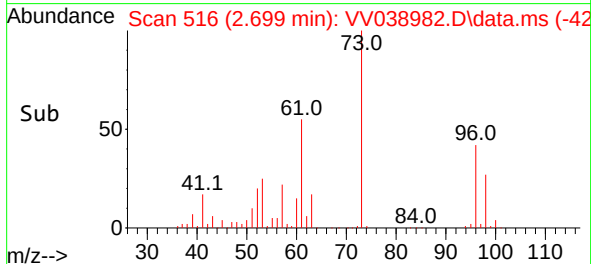
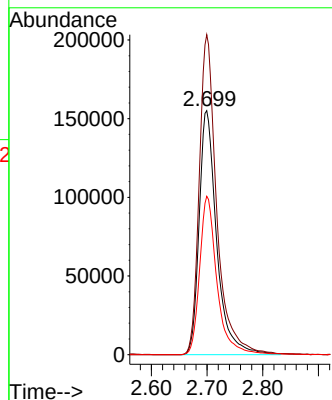
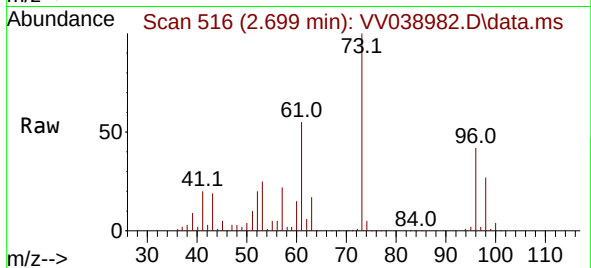
Tgt Ion: 96 Resp: 340758

Ion Ratio Lower Upper

96 100

61 131.1 100.6 151.0

98 64.9 51.5 77.3



#22

Diisopropyl ether

Concen: 56.148 ug/l

RT: 3.207 min Scan# 674

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Tgt Ion: 45 Resp: 992852

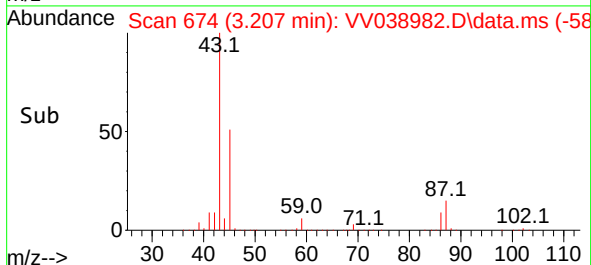
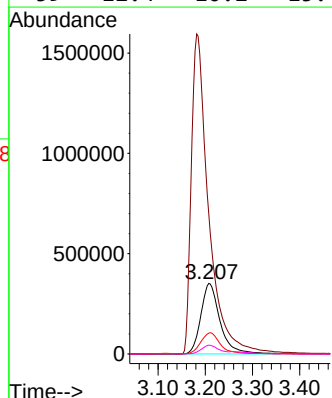
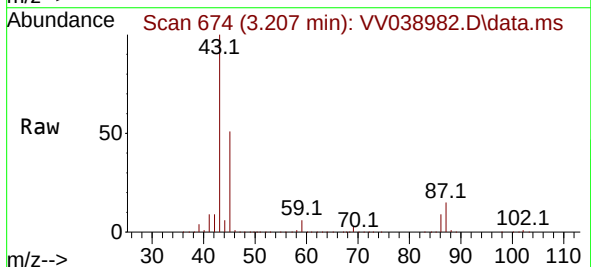
Ion Ratio Lower Upper

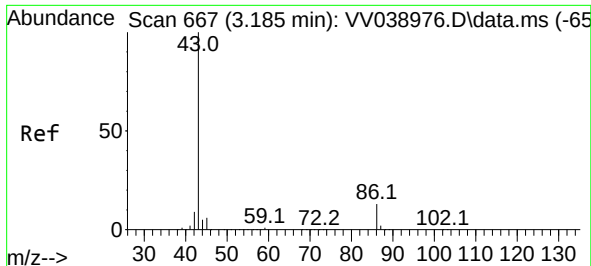
45 100

43 197.2 159.4 239.0

87 29.3 27.5 41.3

59 12.4 10.2 15.4

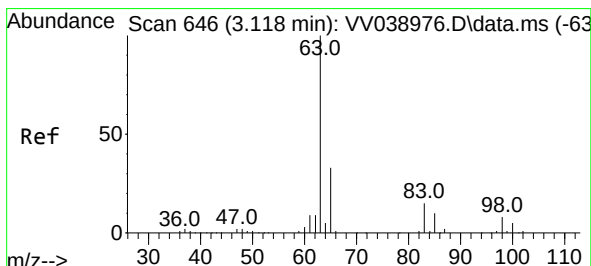
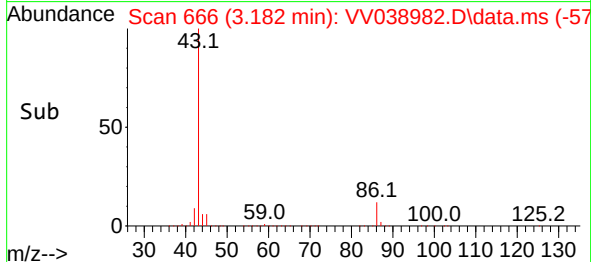
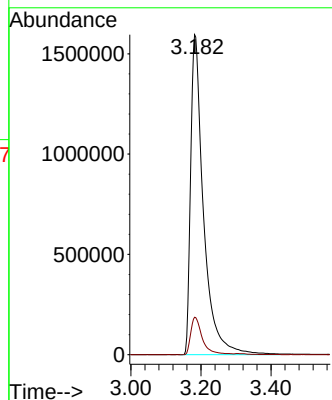
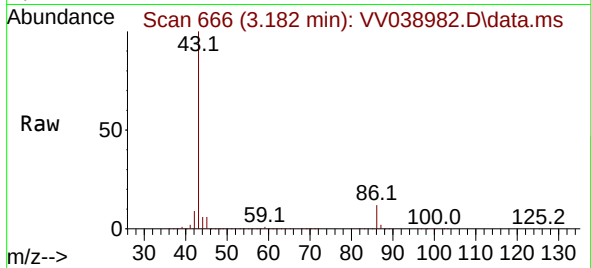




#23
 Vinyl Acetate
 Concen: 288.321 ug/l
 RT: 3.182 min Scan# 60
 Delta R.T. -0.003 min
 Lab File: VV038982.D
 Acq: 21 Aug 2025 15:42

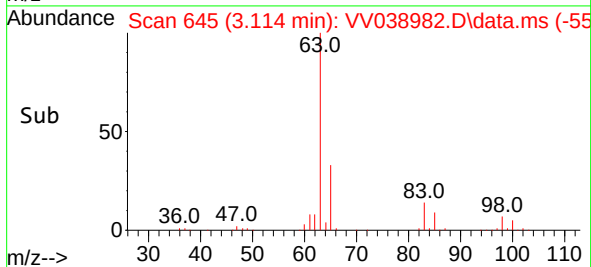
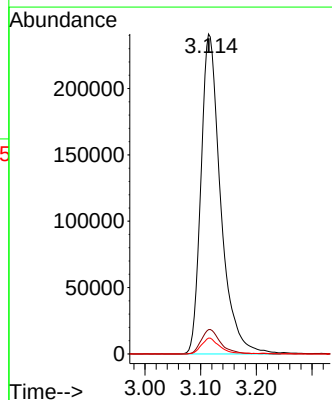
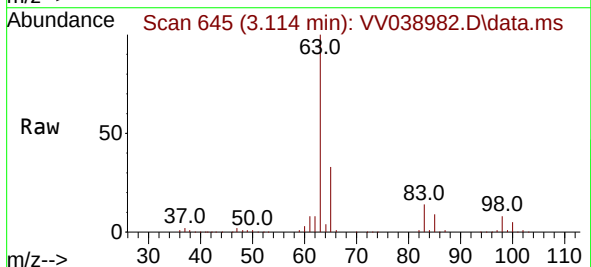
Instrument :
 MSVOA_V
 ClientSampleId :

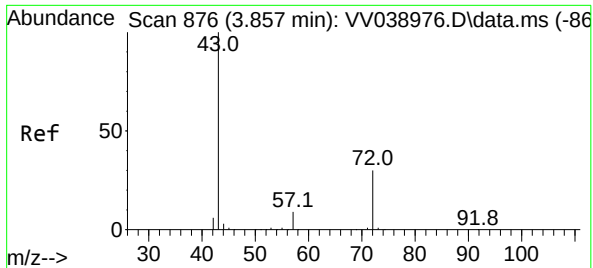
Tgt Ion: 43 Resp: 4090814
 Ion Ratio Lower Upper
 43 100
 86 11.7 10.7 16.1



#24
 1,1-Dichloroethane
 Concen: 50.533 ug/l
 RT: 3.114 min Scan# 645
 Delta R.T. -0.003 min
 Lab File: VV038982.D
 Acq: 21 Aug 2025 15:42

Tgt Ion: 63 Resp: 591902
 Ion Ratio Lower Upper
 63 100
 98 7.6 4.3 12.8
 100 5.0 2.6 8.0

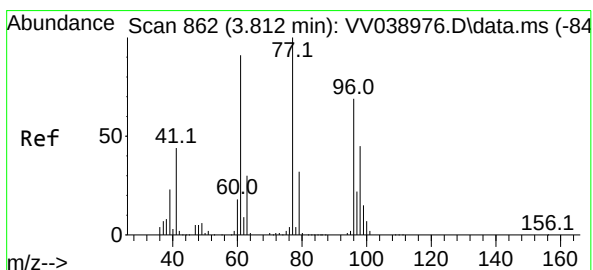
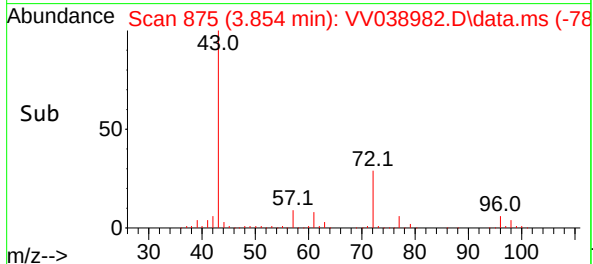
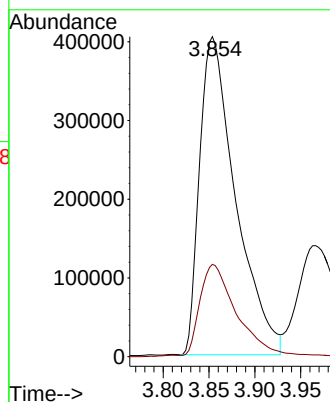
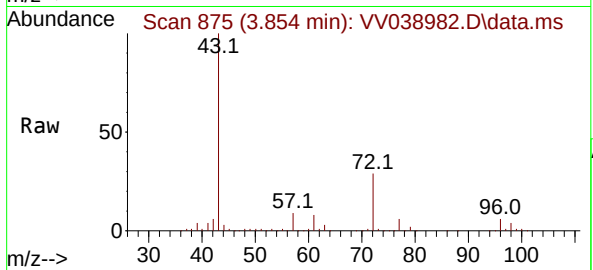




#25
2-Butanone
Concen: 283.941 ug/l
RT: 3.854 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

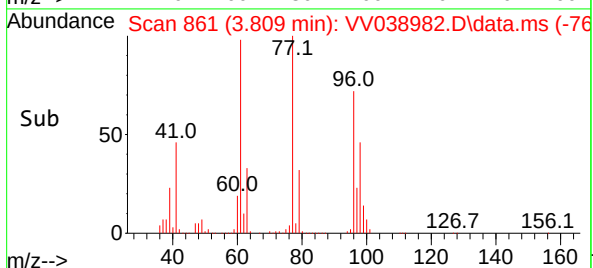
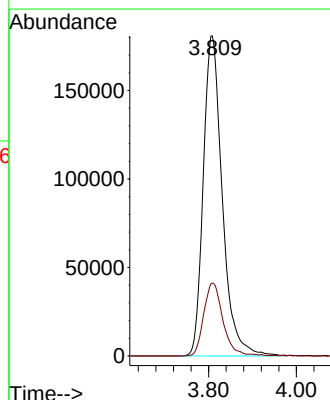
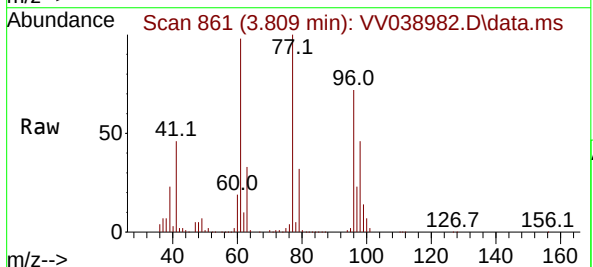
Instrument :
MSVOA_V
ClientSampleId :

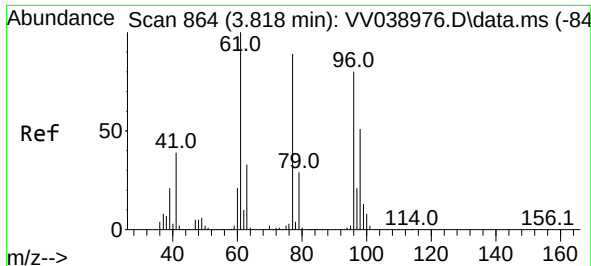
Tgt Ion: 43 Resp: 1105805
Ion Ratio Lower Upper
43 100
72 28.6 23.9 35.9



#26
2,2-Dichloropropane
Concen: 48.394 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 77 Resp: 543775
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 50.313 ug/l

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

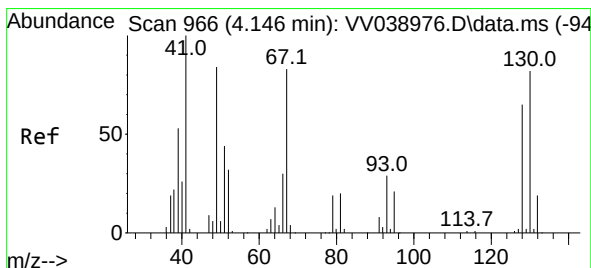
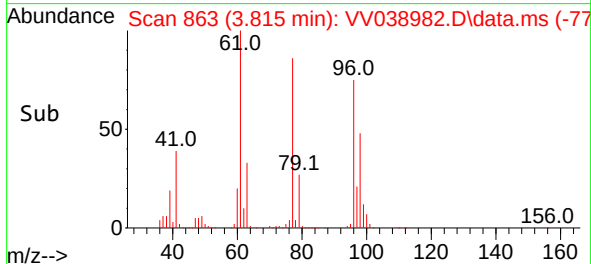
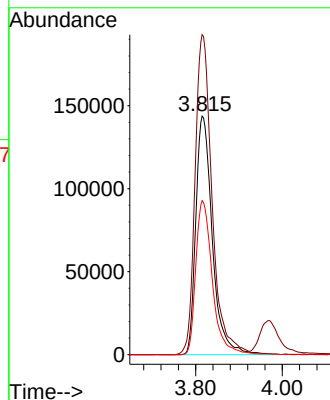
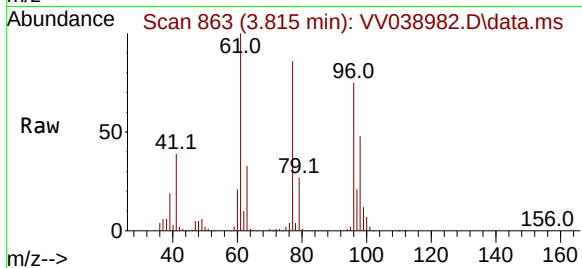
Tgt Ion: 96 Resp: 381524

Ion Ratio Lower Upper

96 100

61 137.4 0.0 264.4

98 64.6 0.0 131.8



#28

Bromochloromethane

Concen: 56.970 ug/l

RT: 4.143 min Scan# 965

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

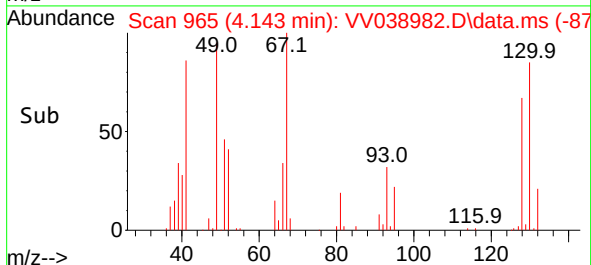
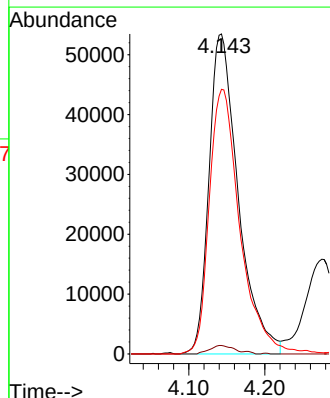
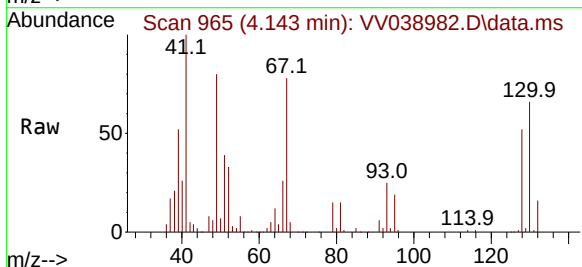
Tgt Ion: 49 Resp: 143149

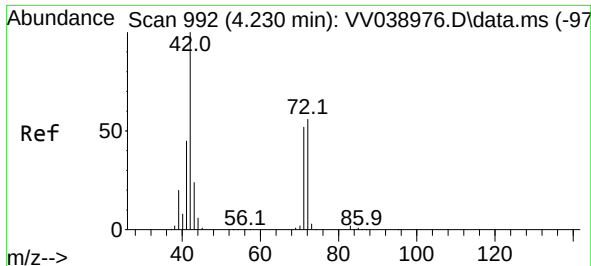
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.2

130 86.4 78.2 117.2





#29

Tetrahydrofuran

Concen: 276.602 ug/l

RT: 4.227 min Scan# 991

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

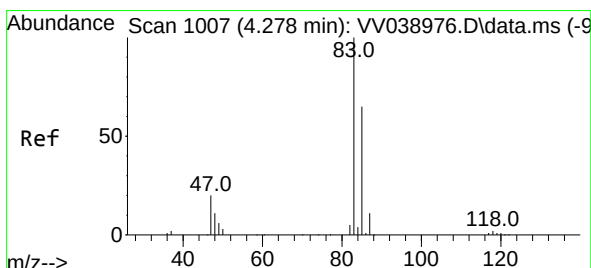
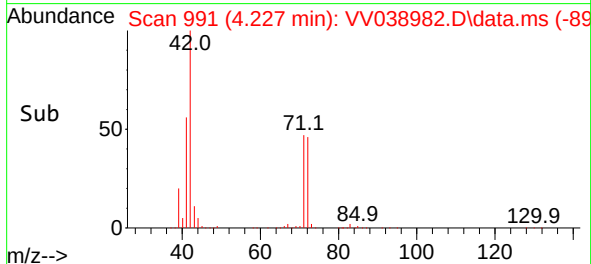
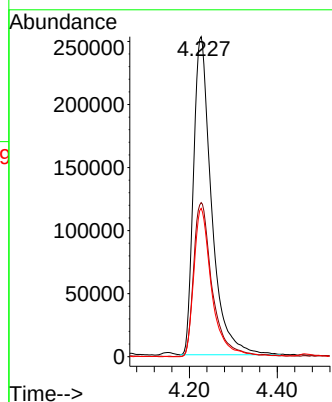
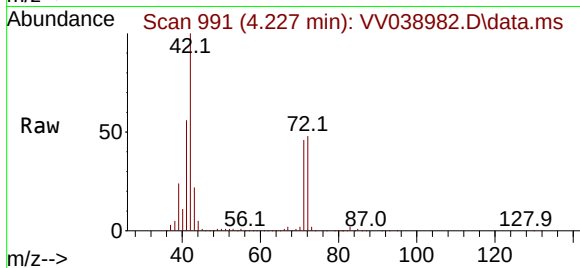
Tgt Ion: 42 Resp: 719082

Ion Ratio Lower Upper

42 100

72 49.4 44.6 66.8

71 46.2 41.6 62.4



#30

Chloroform

Concen: 47.678 ug/l

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV038982.D

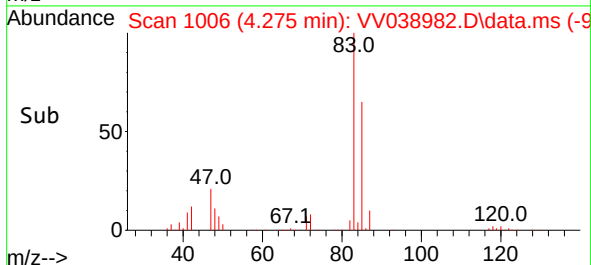
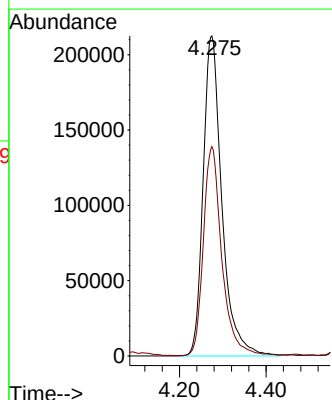
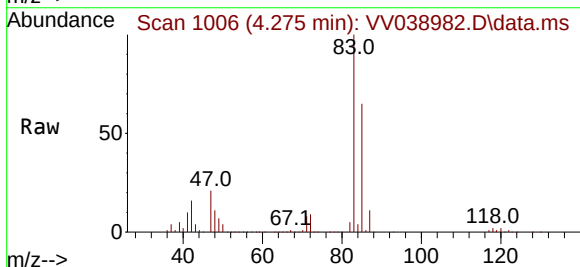
Acq: 21 Aug 2025 15:42

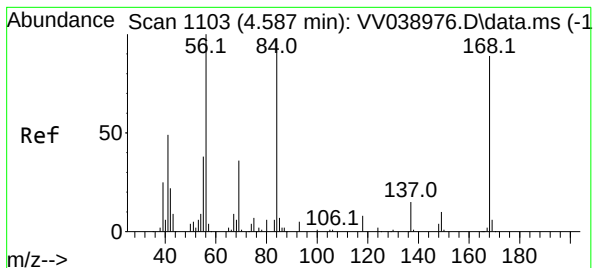
Tgt Ion: 83 Resp: 638184

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2





#31

Cyclohexane

Concen: 48.759 ug/l

RT: 4.580 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

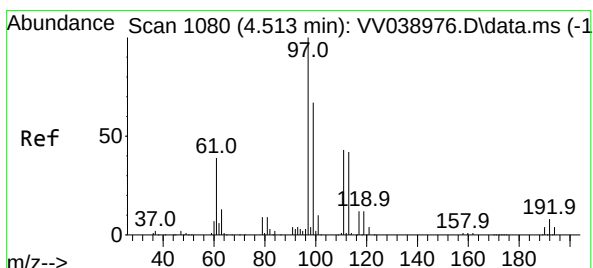
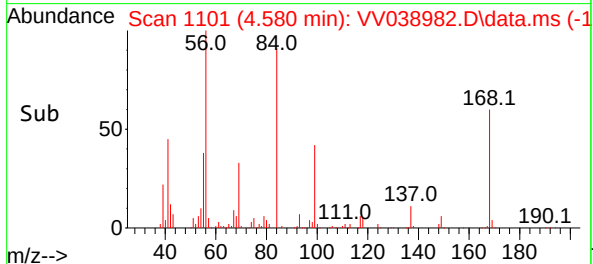
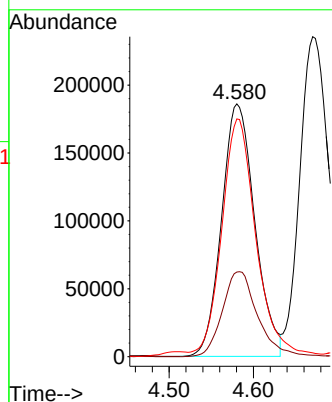
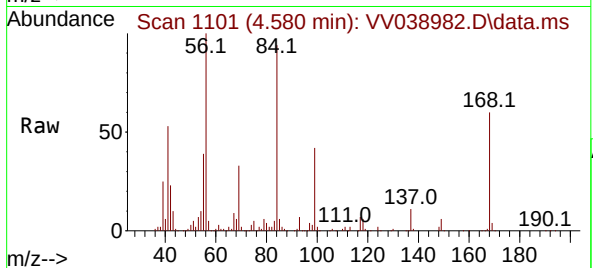
Tgt Ion: 56 Resp: 509568

Ion Ratio Lower Upper

56 100

69 33.5 28.6 42.8

84 92.2 78.1 117.1



#32

1,1,1-Trichloroethane

Concen: 45.515 ug/l

RT: 4.510 min Scan# 1079

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

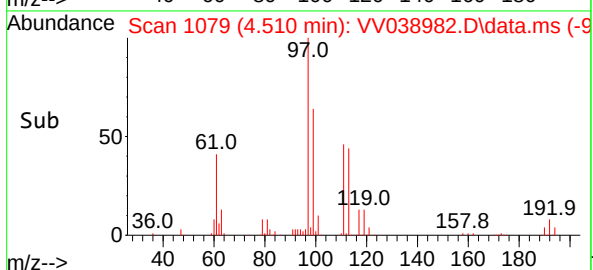
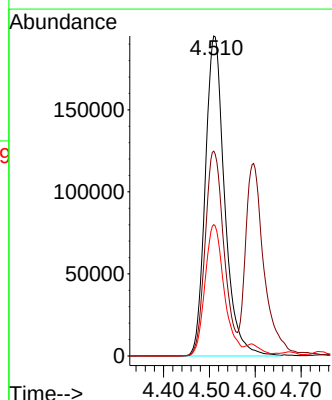
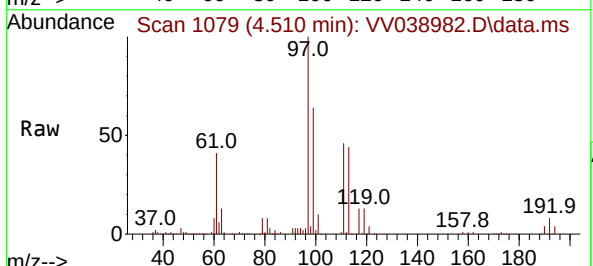
Tgt Ion: 97 Resp: 572373

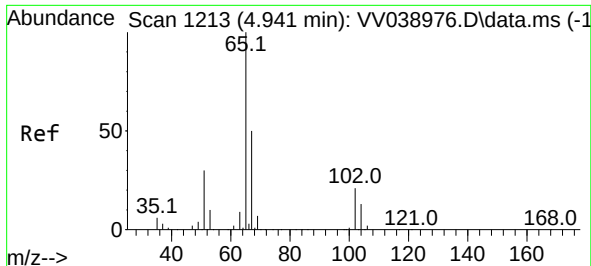
Ion Ratio Lower Upper

97 100

99 62.1 49.5 74.3

61 40.8 30.9 46.3





#33

1,2-Dichloroethane-d4

Concen: 47.897 ug/l

RT: 4.937 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

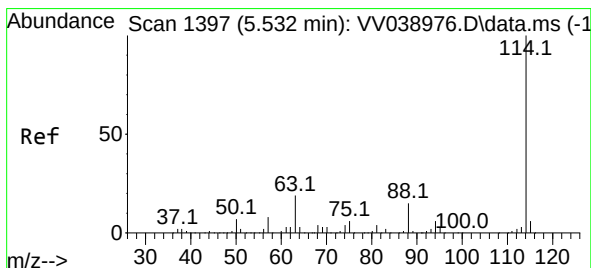
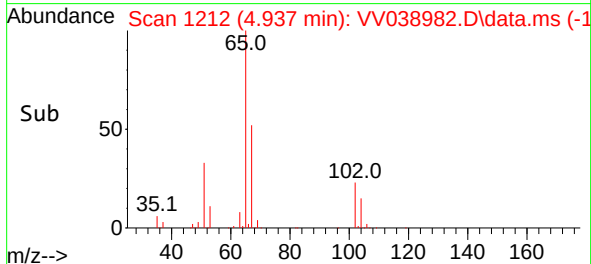
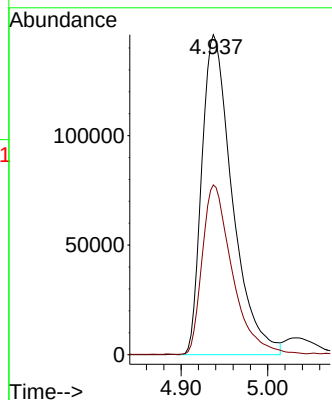
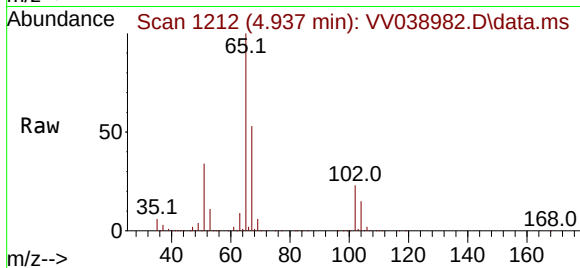
ClientSampleId :

Tgt Ion: 65 Resp: 357200

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

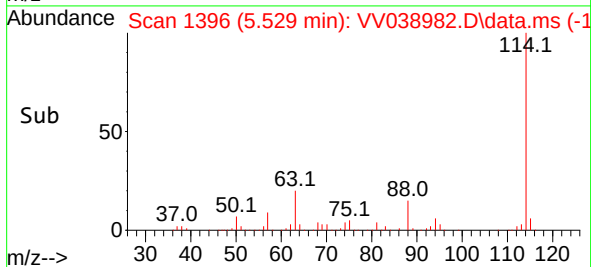
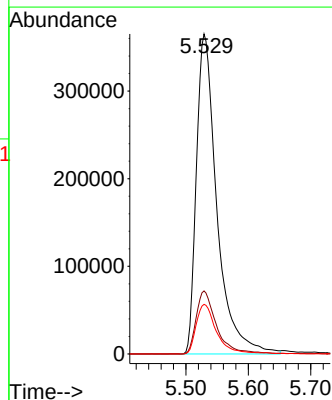
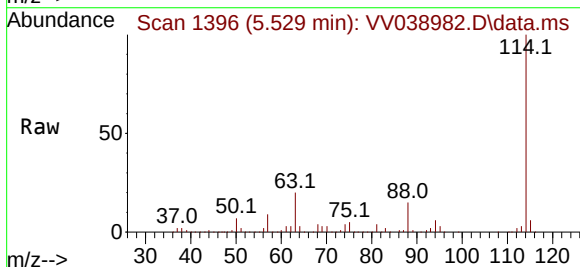
Tgt Ion: 114 Resp: 833989

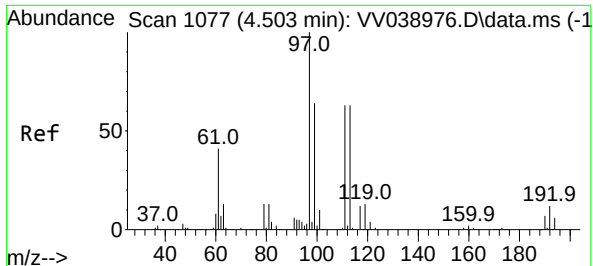
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

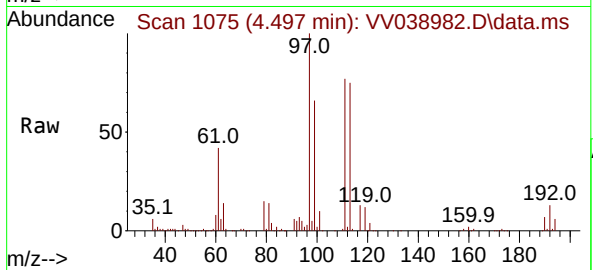
88 15.5 0.0 30.4



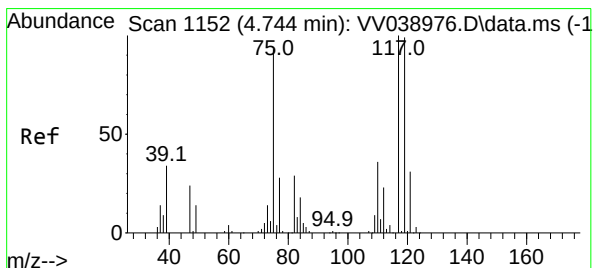
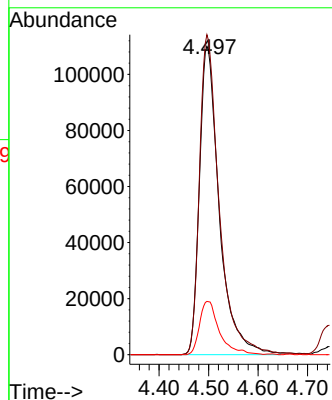
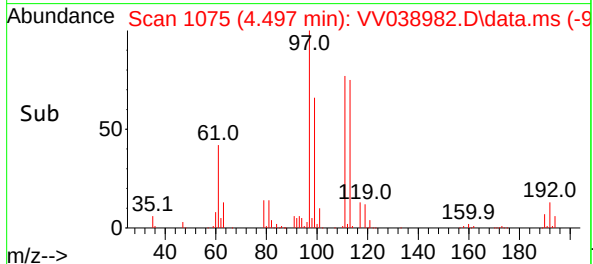


#35
Dibromofluoromethane
Concen: 49.041 ug/l
RT: 4.497 min Scan# 1107
Delta R.T. -0.007 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

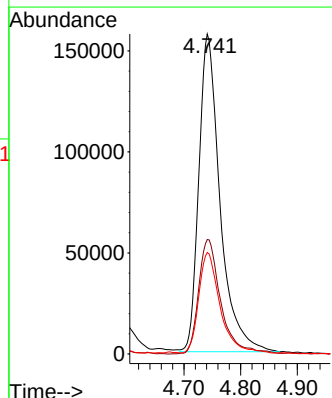
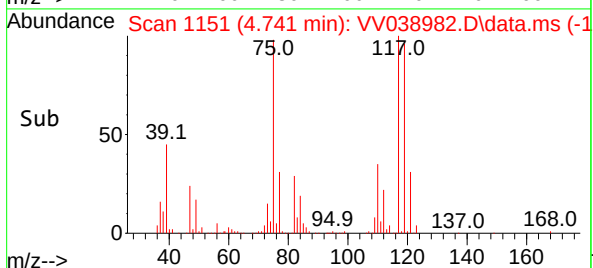
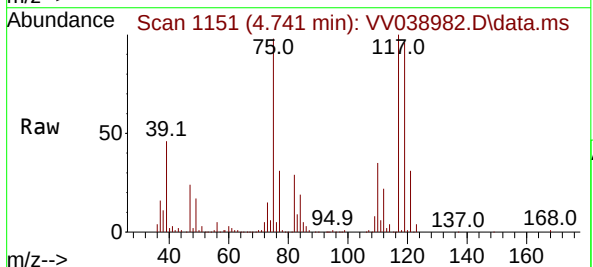


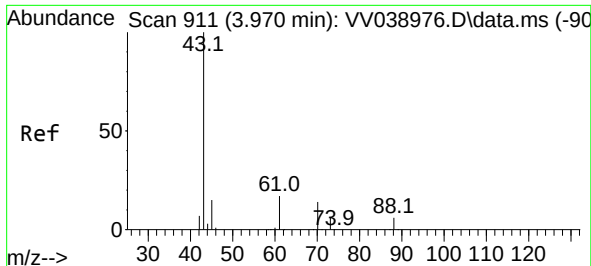
Tgt Ion:113 Resp: 306725
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 16.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 50.275 ug/l
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

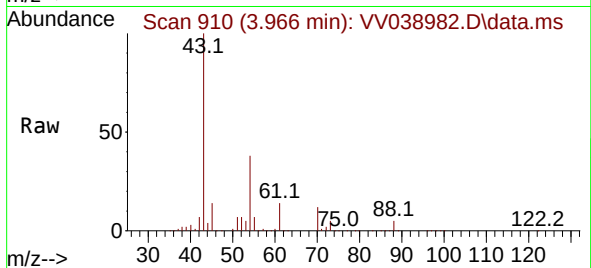
Tgt Ion: 75 Resp: 408356
Ion Ratio Lower Upper
75 100
110 37.8 19.6 58.7
77 31.7 24.4 36.6



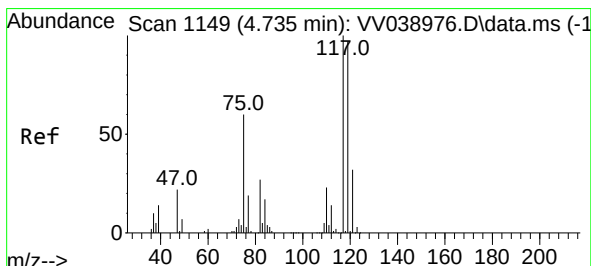
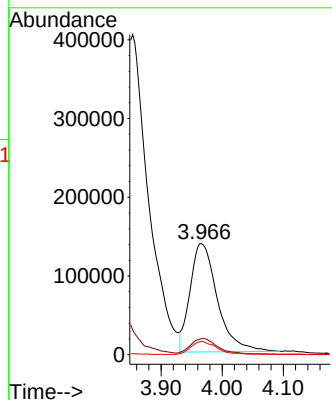
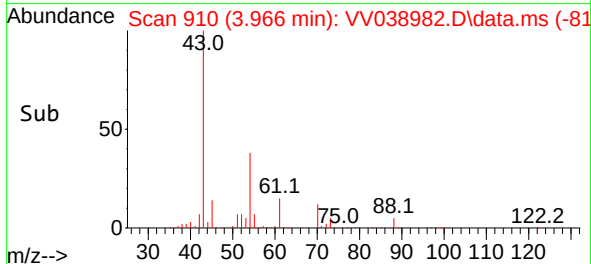


#37
Ethyl Acetate
Concen: 54.042 ug/l
RT: 3.966 min Scan# 911
Delta R.T. -0.004 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

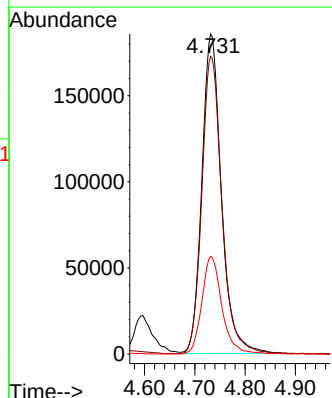
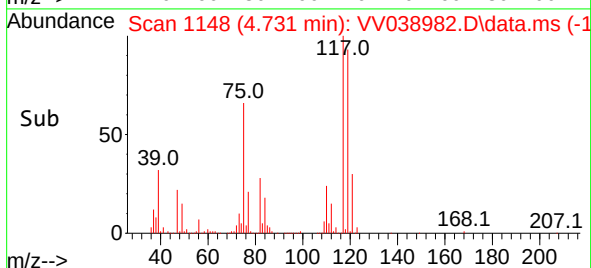
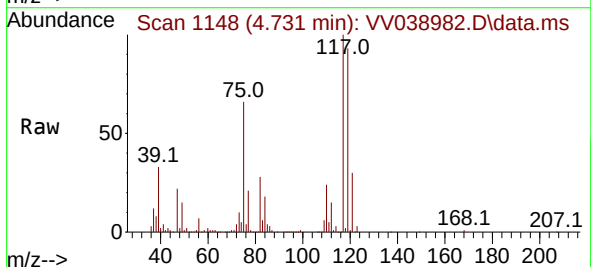


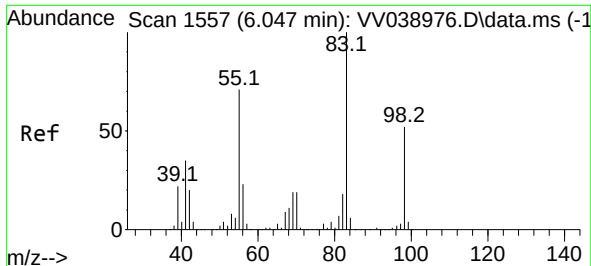
Tgt Ion: 43 Resp: 428871
Ion Ratio Lower Upper
43 100
61 15.0 12.6 19.0
70 11.3 10.2 15.4



#38
Carbon Tetrachloride
Concen: 46.028 ug/l
RT: 4.731 min Scan# 1148
Delta R.T. -0.004 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

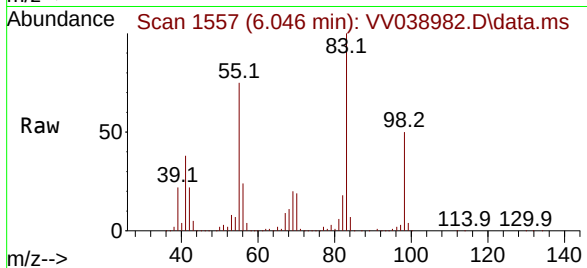
Tgt Ion:117 Resp: 500656
Ion Ratio Lower Upper
117 100
119 93.0 77.1 115.7
121 30.5 25.4 38.2



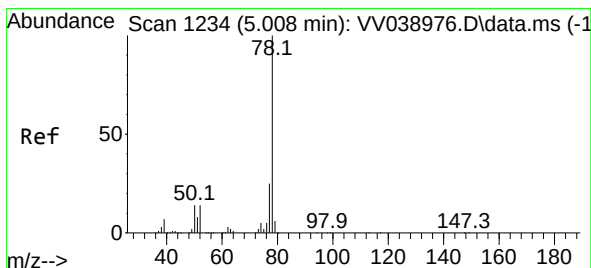
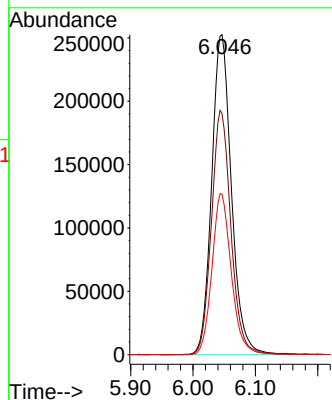
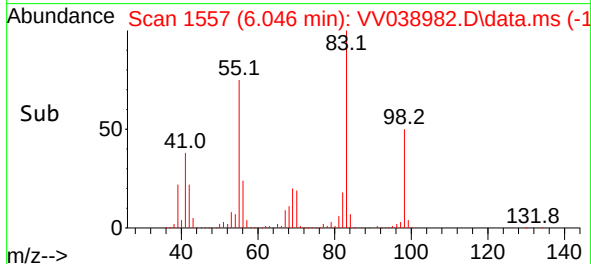


#39
Methylcyclohexane
Concen: 53.539 ug/l
RT: 6.046 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

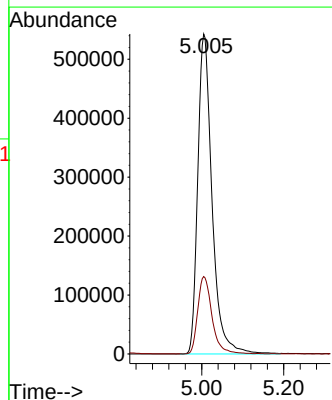
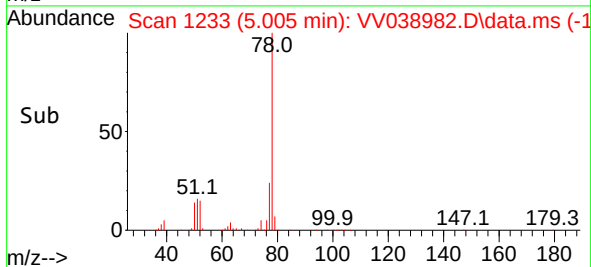
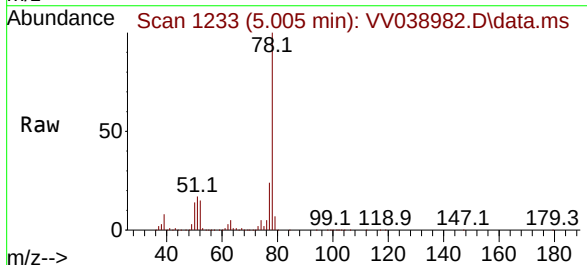


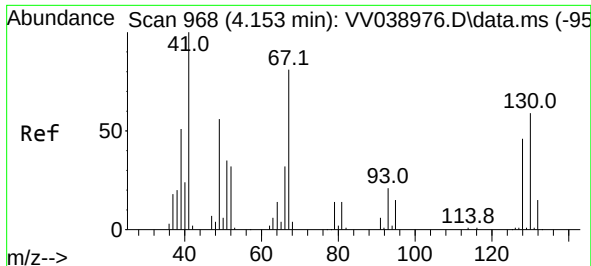
Tgt Ion: 83 Resp: 555661
Ion Ratio Lower Upper
83 100
55 75.4 57.0 85.6
98 50.1 41.3 61.9



#40
Benzene
Concen: 51.495 ug/l
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

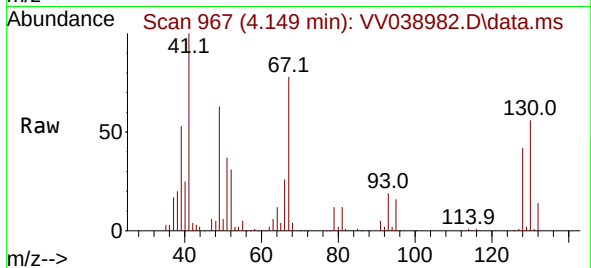
Tgt Ion: 78 Resp: 1310064
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4



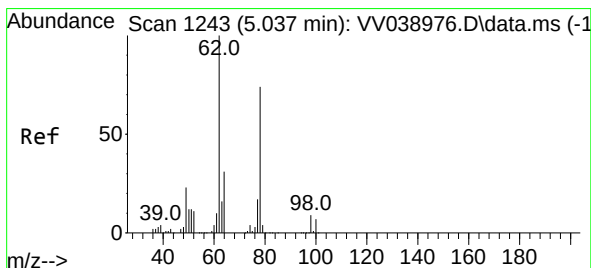
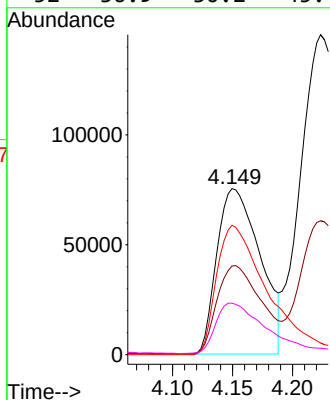
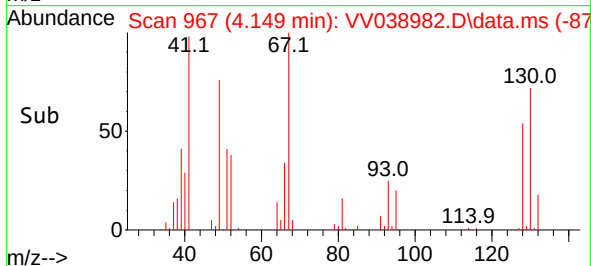


#41
Methacrylonitrile
Concen: 63.242 ug/l
RT: 4.149 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

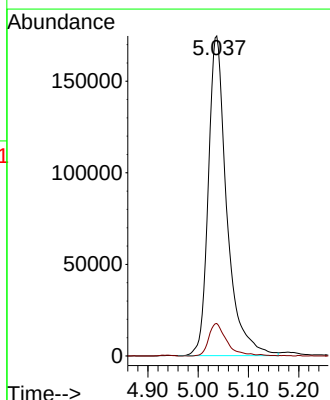
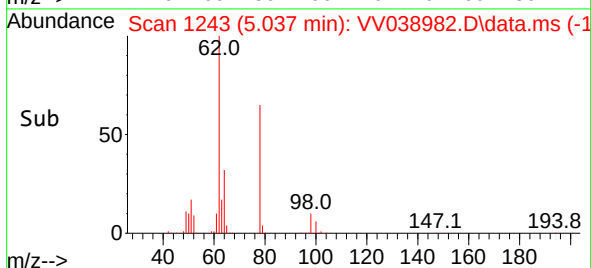
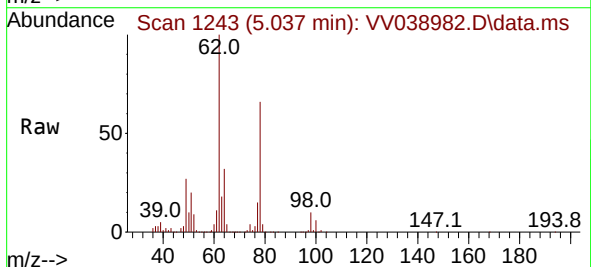


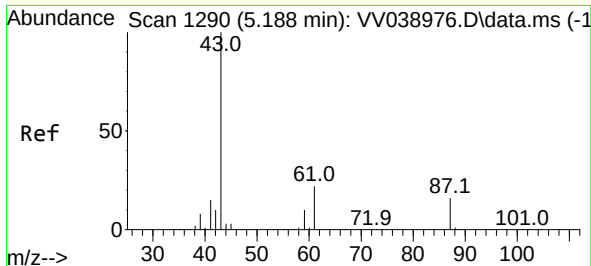
Tgt Ion:	41	Resp:	189119
Ion Ratio	Lower	Upper	
41	100		
39	55.6	45.5	68.3
67	94.5	83.5	125.3
52	36.9	30.2	45.4



#42
1,2-Dichloroethane
Concen: 48.120 ug/l
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:	62	Resp:	447547
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.2

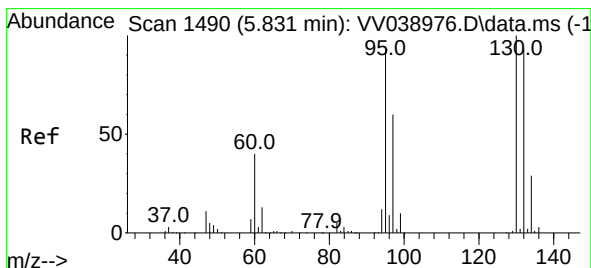
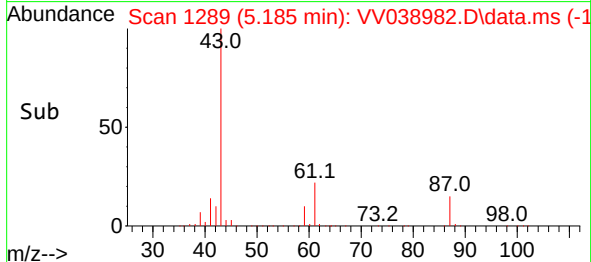
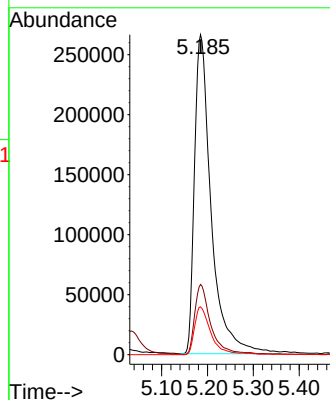
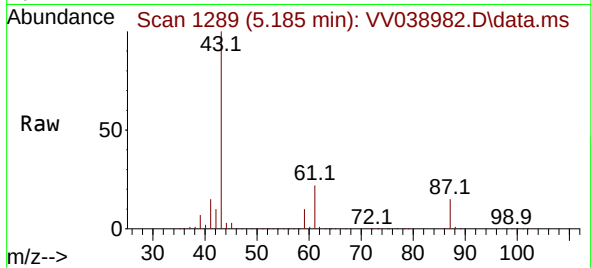




#43
Isopropyl Acetate
Concen: 55.696 ug/l
RT: 5.185 min Scan# 1290
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

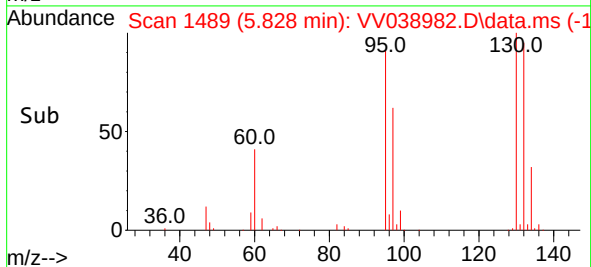
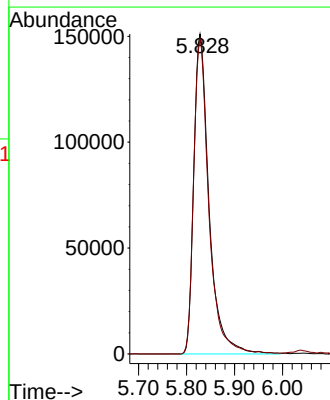
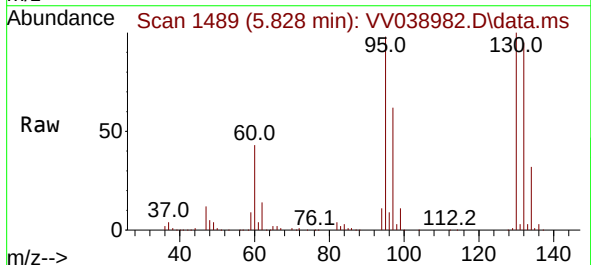
Instrument :
MSVOA_V
ClientSampleId :

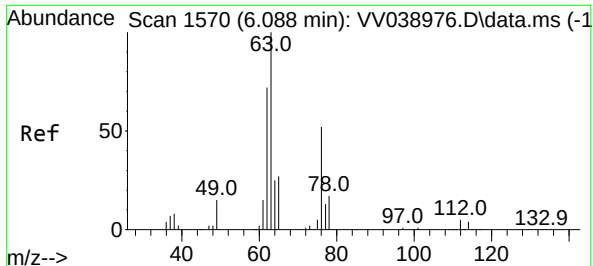
Tgt Ion: 43 Resp: 674425
Ion Ratio Lower Upper
43 100
61 20.6 17.4 26.2
87 14.2 13.3 19.9



#44
Trichloroethene
Concen: 48.520 ug/l
RT: 5.828 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:130 Resp: 334828
Ion Ratio Lower Upper
130 100
95 98.3 0.0 186.6





#45

1,2-Dichloropropane

Concen: 53.167 ug/l

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

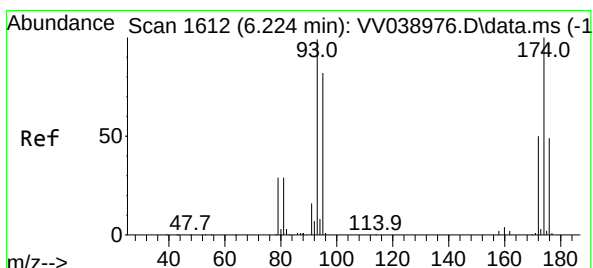
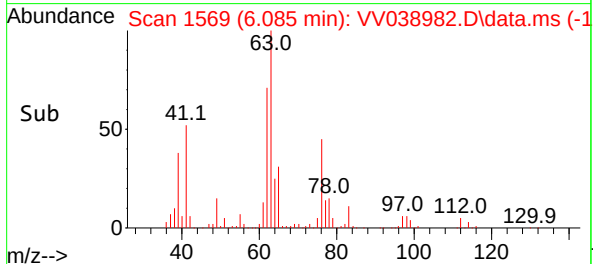
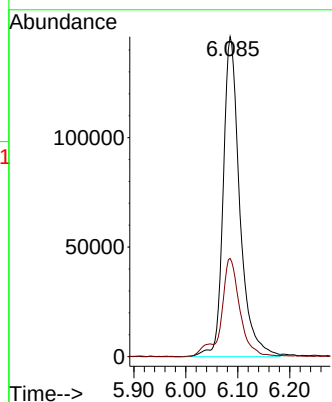
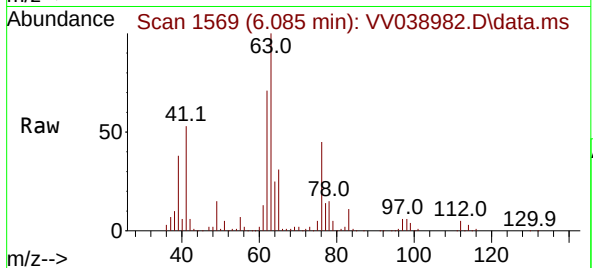
ClientSampleId :

Tgt Ion: 63 Resp: 324387

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



#46

Dibromomethane

Concen: 48.177 ug/l

RT: 6.223 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

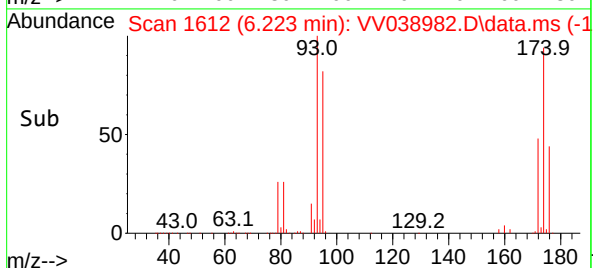
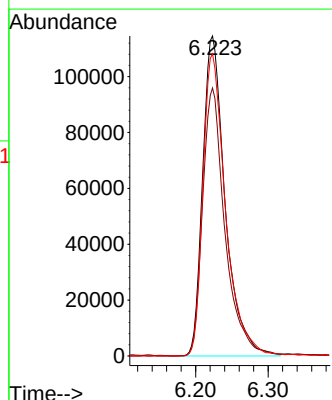
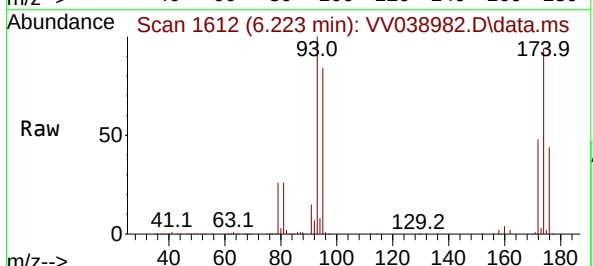
Tgt Ion: 93 Resp: 246649

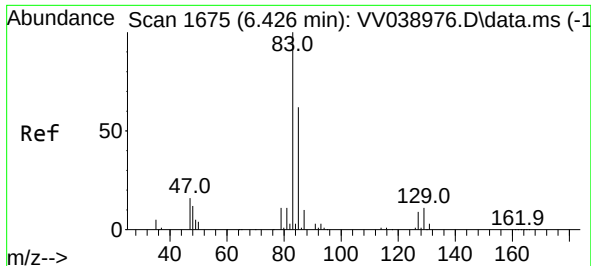
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 95.1 79.7 119.5

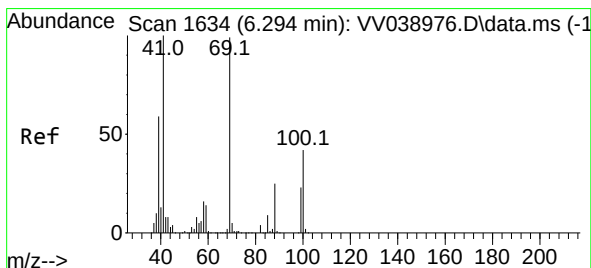
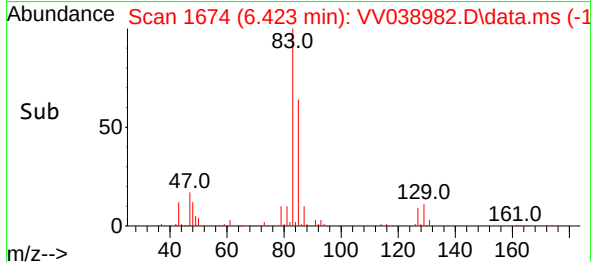
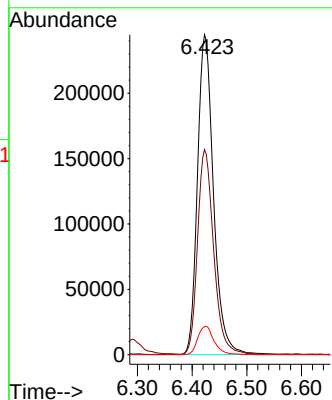
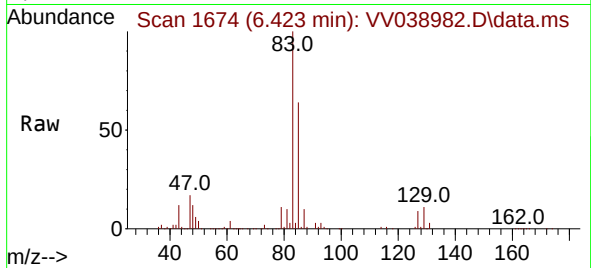




#47
Bromodichloromethane
Concen: 47.749 ug/l
RT: 6.423 min Scan# 1674
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

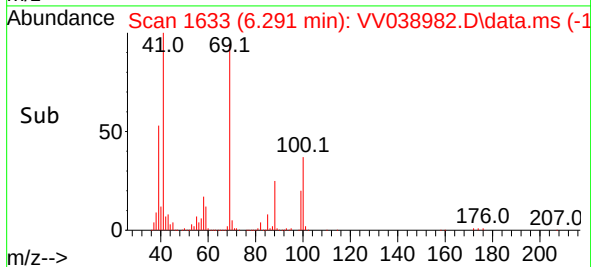
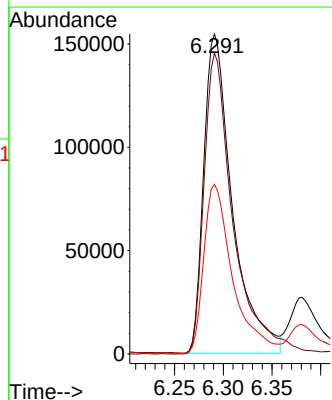
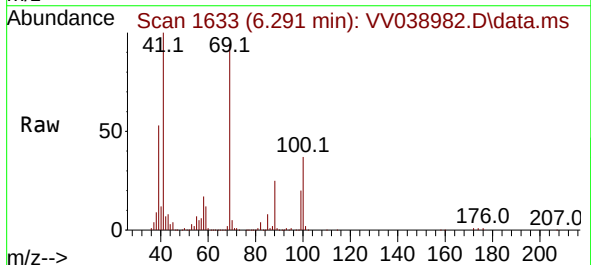
Instrument :
MSVOA_V
ClientSampleId :

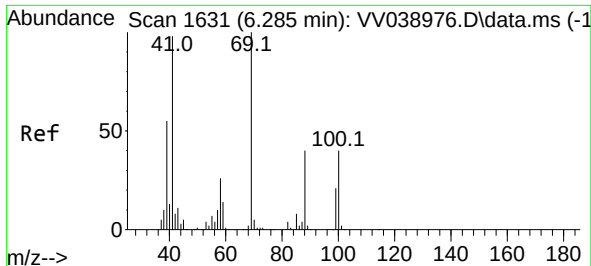
Tgt Ion: 83 Resp: 497504
Ion Ratio Lower Upper
83 100
85 64.0 49.6 74.4
127 8.8 6.9 10.3



#48
Methyl methacrylate
Concen: 58.377 ug/l
RT: 6.291 min Scan# 1633
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 41 Resp: 316869
Ion Ratio Lower Upper
41 100
69 96.0 82.5 123.7
39 53.2 46.6 69.8





#49

1,4-Dioxane

Concen: 1164.421 ug/l

RT: 6.284 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

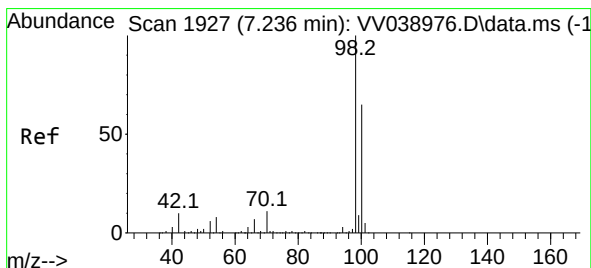
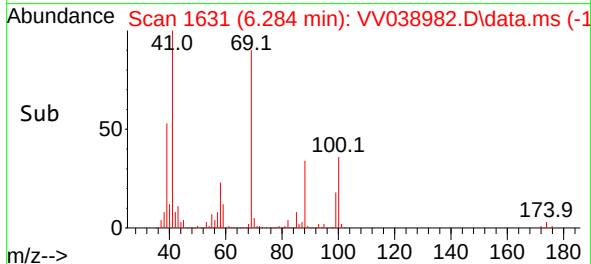
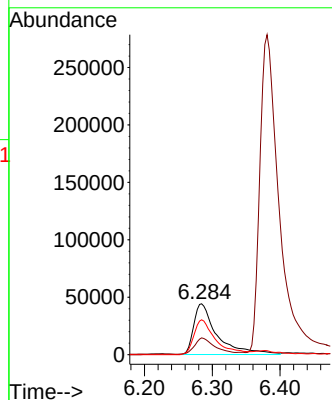
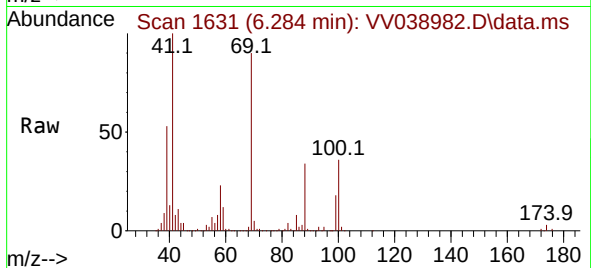
Tgt Ion: 88 Resp: 105683

Ion Ratio Lower Upper

88 100

43 28.0 24.6 36.8

58 64.0 51.8 77.6



#50

Toluene-d8

Concen: 49.022 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. -0.003 min

Lab File: VV038982.D

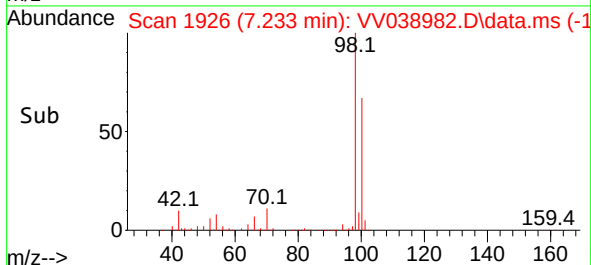
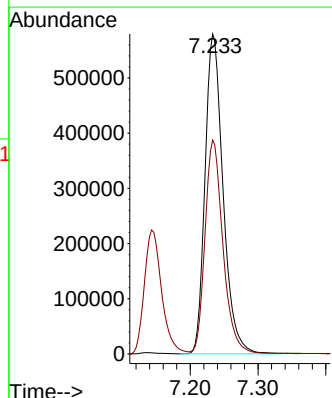
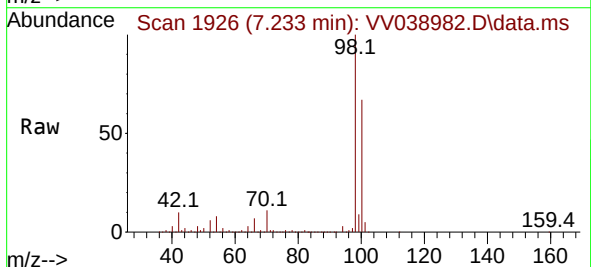
Acq: 21 Aug 2025 15:42

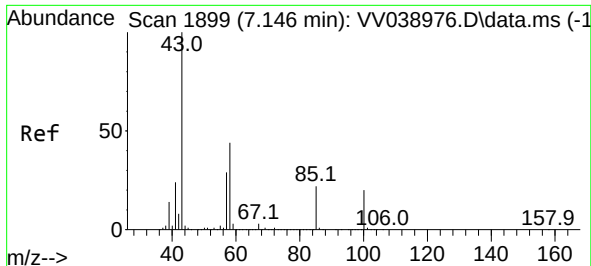
Tgt Ion: 98 Resp: 1069148

Ion Ratio Lower Upper

98 100

100 66.6 52.2 78.2

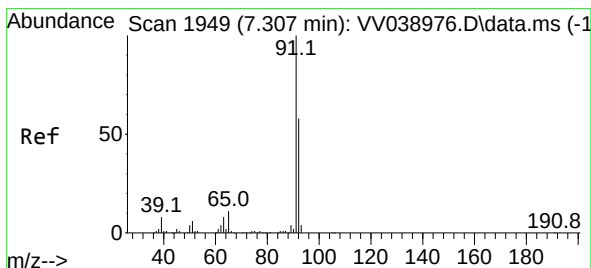
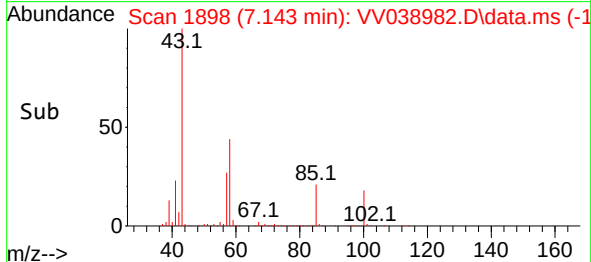
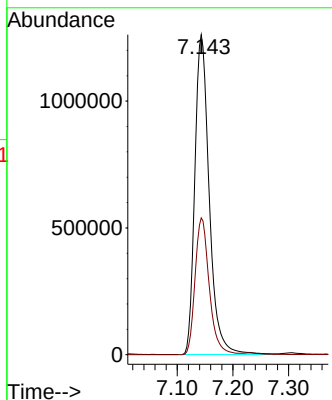
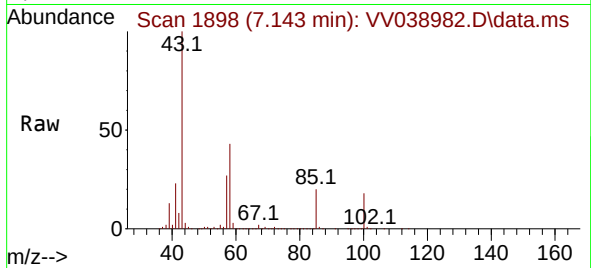




#51
4-Methyl-2-Pentanone
Concen: 285.555 ug/l
RT: 7.143 min Scan# 1899
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

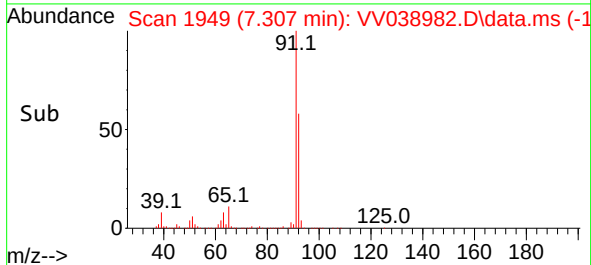
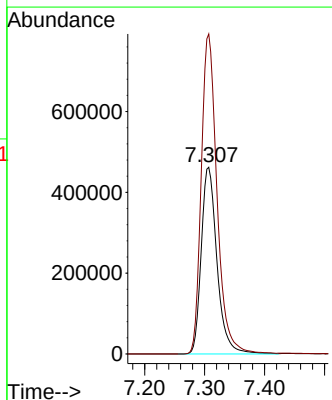
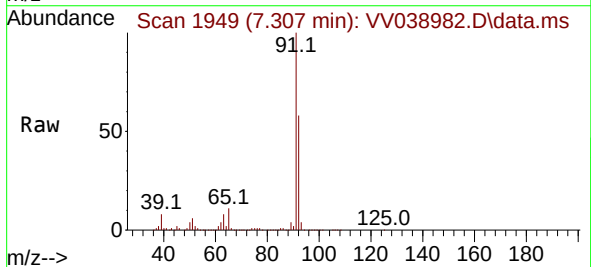
Instrument :
MSVOA_V
ClientSampleId :

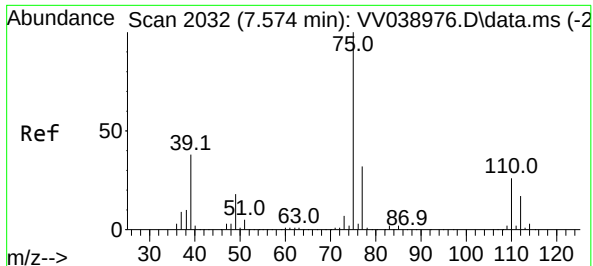
Tgt Ion: 43 Resp: 2270370
Ion Ratio Lower Upper
43 100
58 42.1 34.6 51.8



#52
Toluene
Concen: 52.516 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 92 Resp: 846141
Ion Ratio Lower Upper
92 100
91 171.8 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 51.728 ug/l

RT: 7.571 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

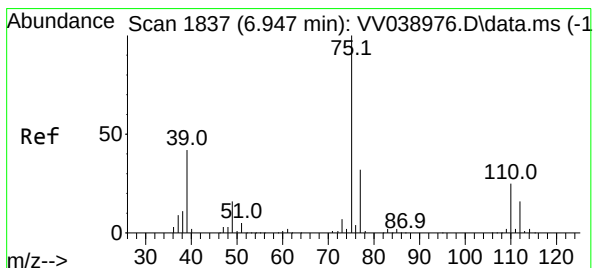
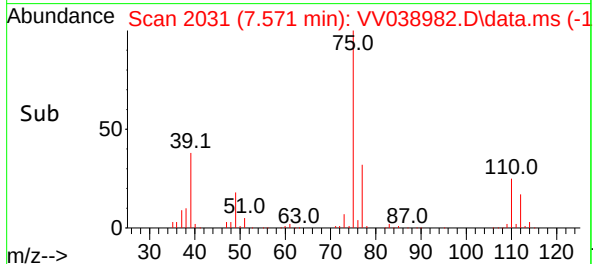
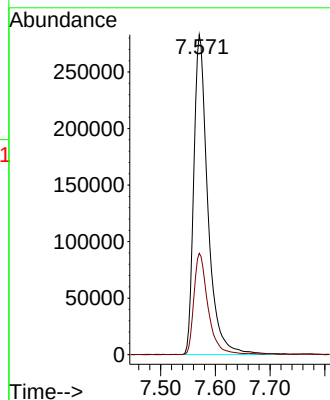
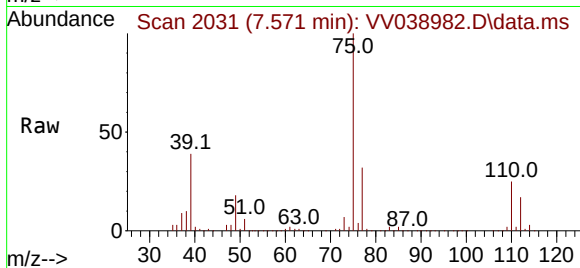
ClientSampleId :

Tgt Ion: 75 Resp: 503846

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.126 ug/l

RT: 6.944 min Scan# 1836

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

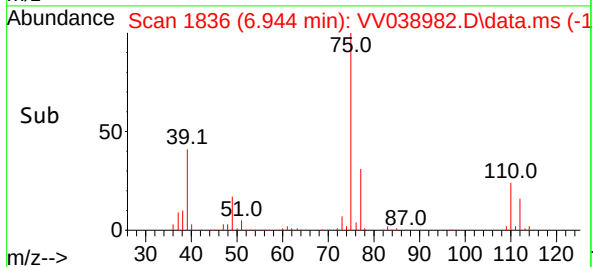
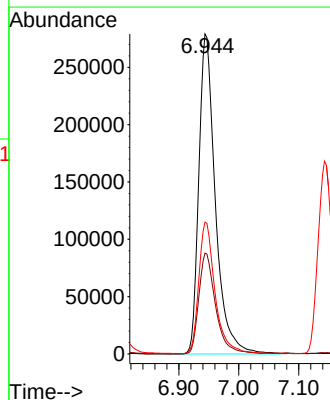
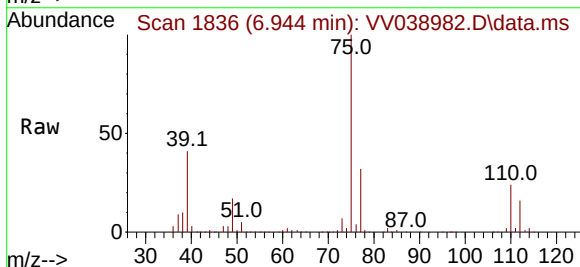
Tgt Ion: 75 Resp: 536147

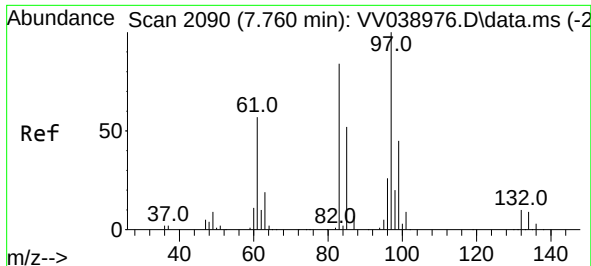
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 41.1 33.3 49.9





#55

1,1,2-Trichloroethane

Concen: 49.189 ug/l

RT: 7.757 min Scan# 2090

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 345555

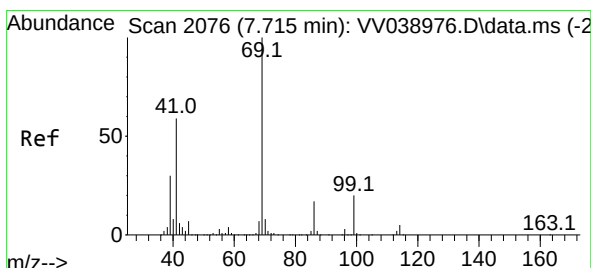
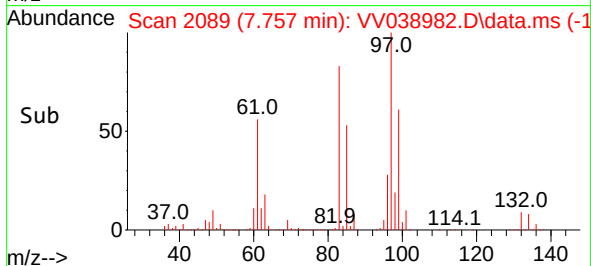
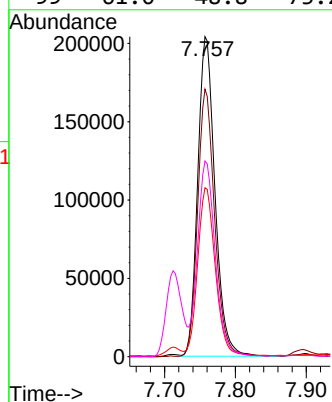
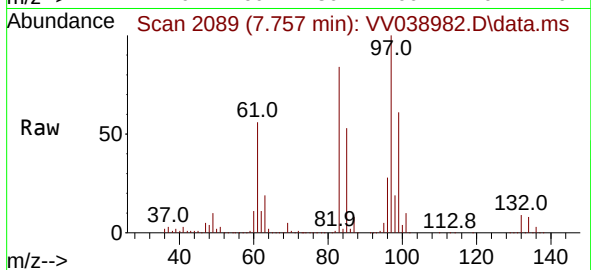
Ion Ratio Lower Upper

97 100

83 83.6 67.2 100.8

85 52.4 42.7 64.1

99 61.0 48.8 73.2



#56

Ethyl methacrylate

Concen: 46.056 ug/l

RT: 7.712 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

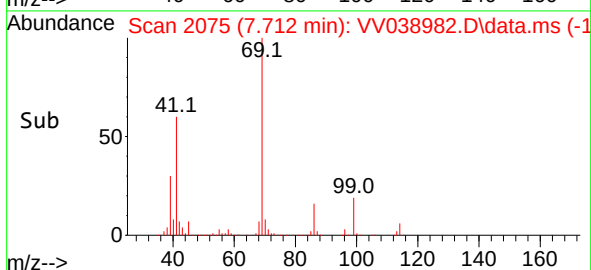
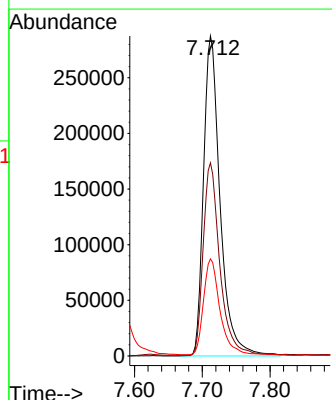
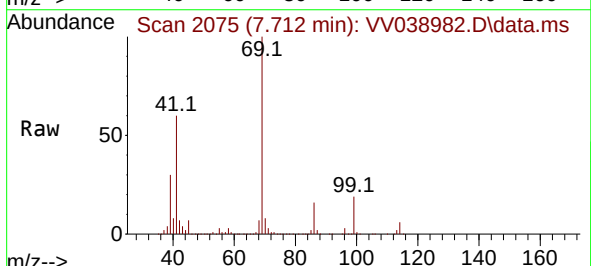
Tgt Ion: 69 Resp: 489047

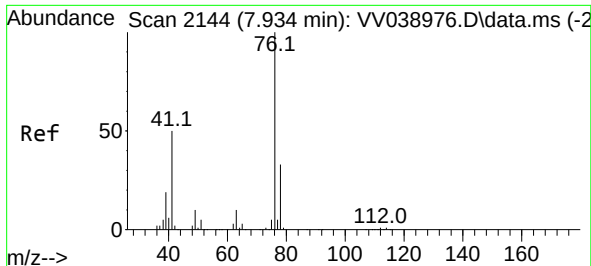
Ion Ratio Lower Upper

69 100

41 60.3 47.5 71.3

39 30.9 24.2 36.2





#57

1,3-Dichloropropane

Concen: 50.326 ug/l

RT: 7.931 min Scan# 2144

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

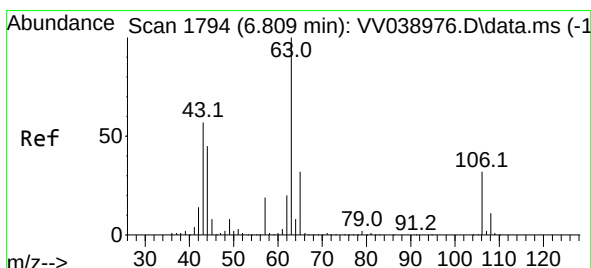
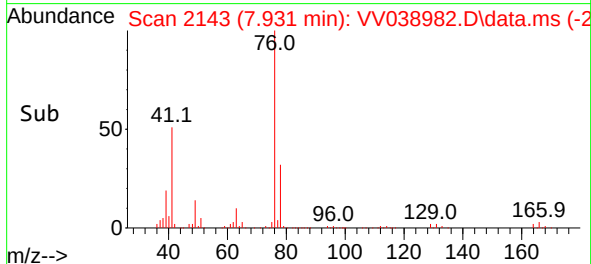
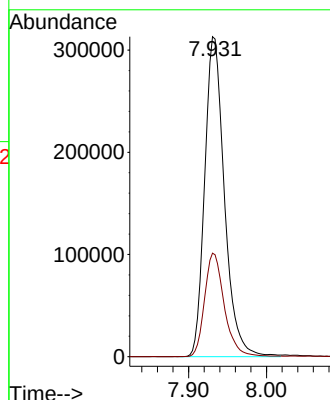
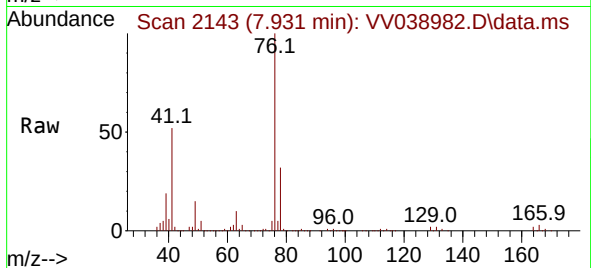
ClientSampleId :

Tgt Ion: 76 Resp: 551282

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 270.565 ug/l

RT: 6.808 min Scan# 1794

Delta R.T. -0.001 min

Lab File: VV038982.D

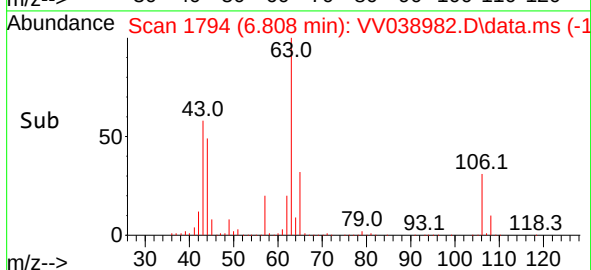
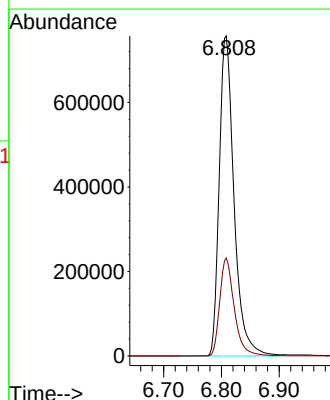
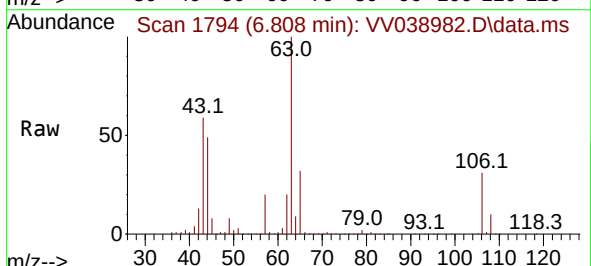
Acq: 21 Aug 2025 15:42

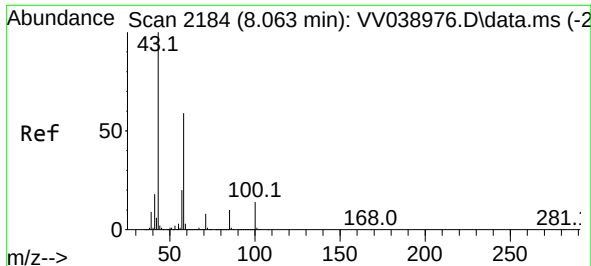
Tgt Ion: 63 Resp: 1345575

Ion Ratio Lower Upper

63 100

106 30.0 25.6 38.4

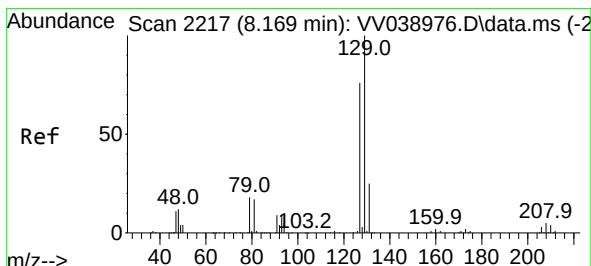
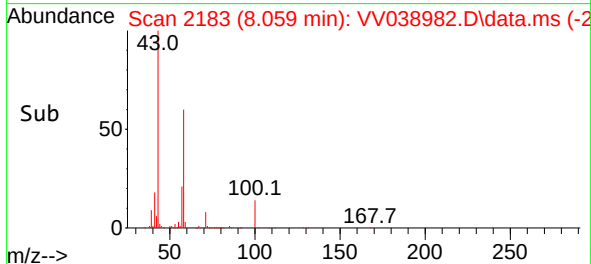
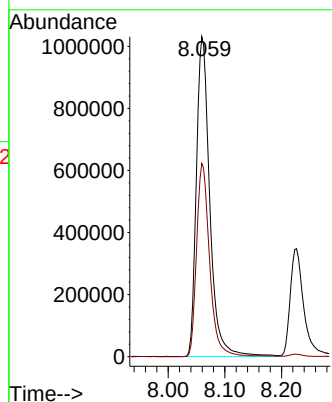
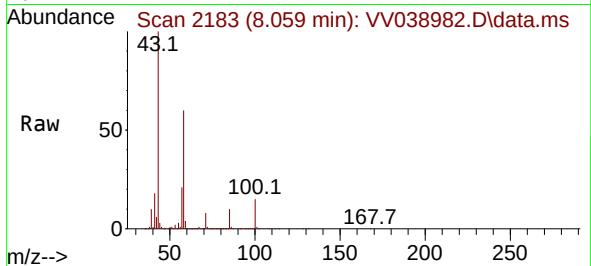




#59
2-Hexanone
Concen: 224.805 ug/l
RT: 8.059 min Scan# 2183
Delta R.T. -0.004 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

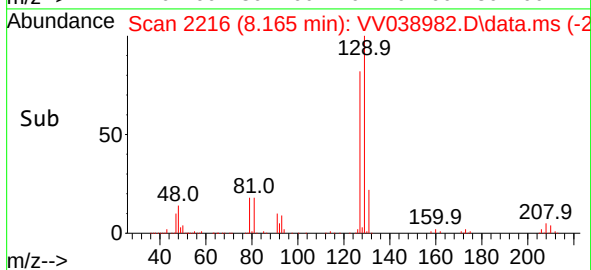
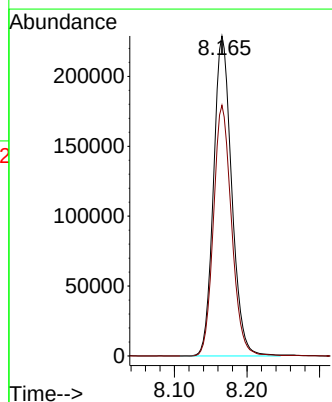
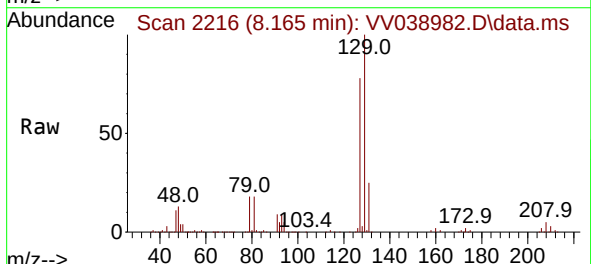
Instrument :
MSVOA_V
ClientSampleId :

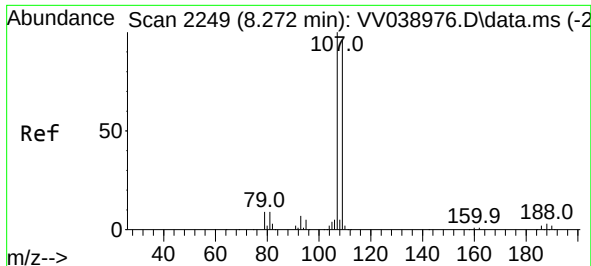
Tgt Ion: 43 Resp: 1690220
Ion Ratio Lower Upper
43 100
58 58.9 29.8 89.4



#60
Dibromochloromethane
Concen: 46.946 ug/l
RT: 8.165 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:129 Resp: 398227
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.1

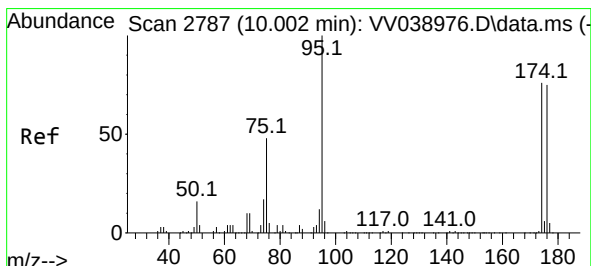
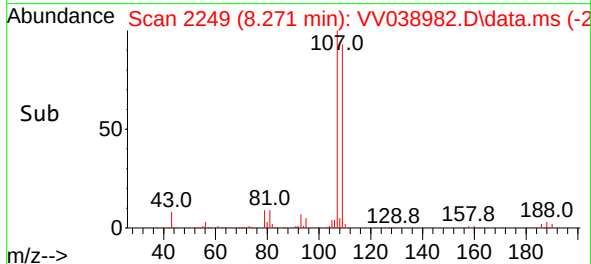
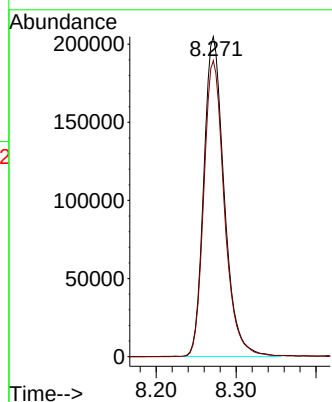
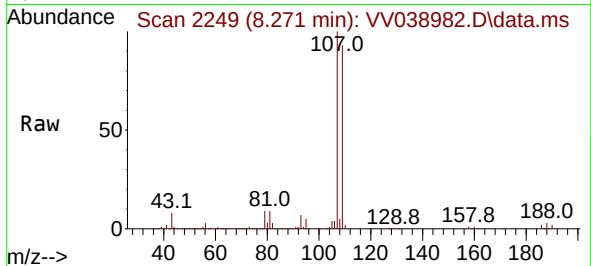




#61
1,2-Dibromoethane
Concen: 49.912 ug/l
RT: 8.271 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

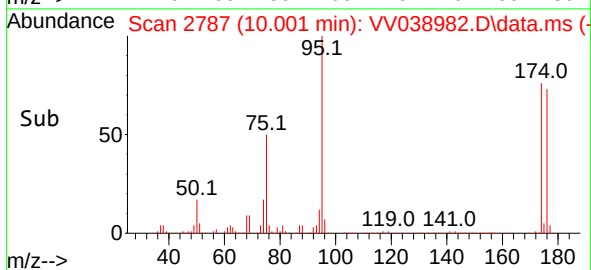
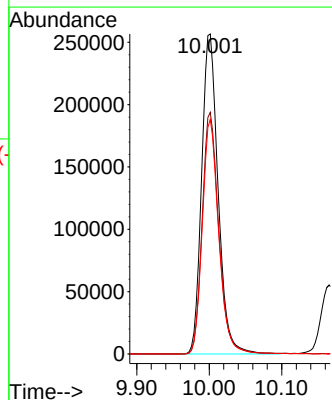
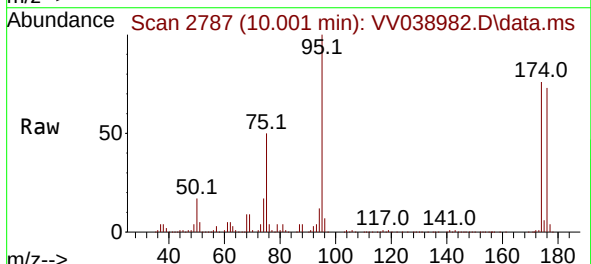
Instrument :
MSVOA_V
ClientSampleId :

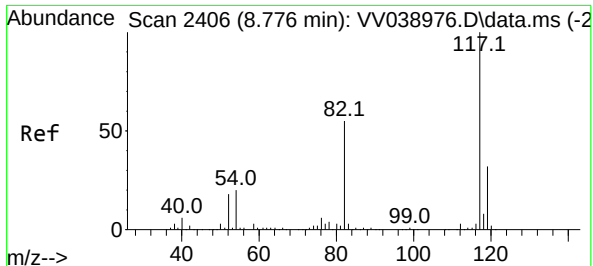
Tgt Ion:107 Resp: 363766
Ion Ratio Lower Upper
107 100
109 93.4 75.8 113.6



#62
4-Bromofluorobenzene
Concen: 50.794 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

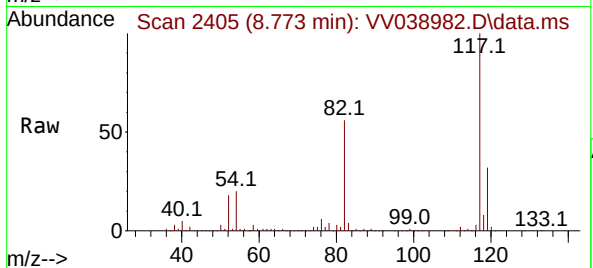
Tgt Ion: 95 Resp: 405262
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.4
176 72.9 0.0 148.6



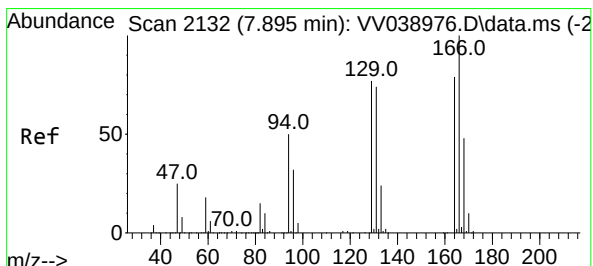
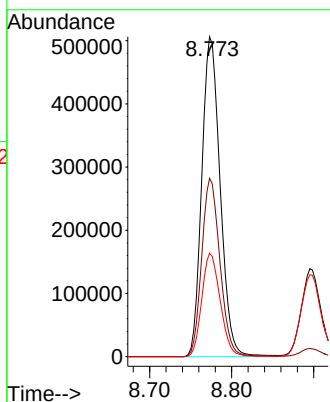
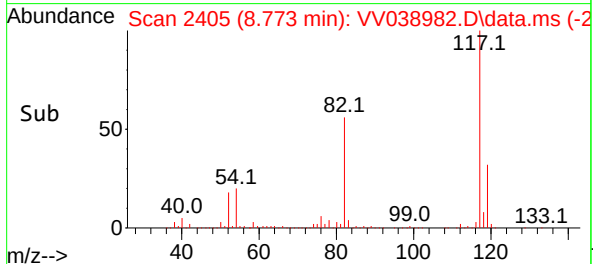


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

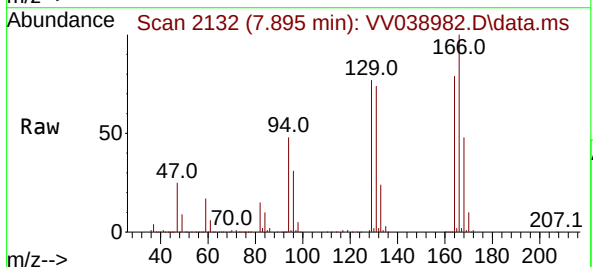
Instrument :
MSVOA_V
ClientSampleId :



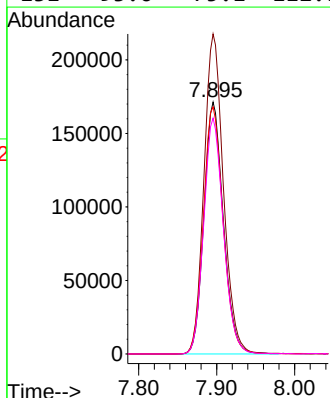
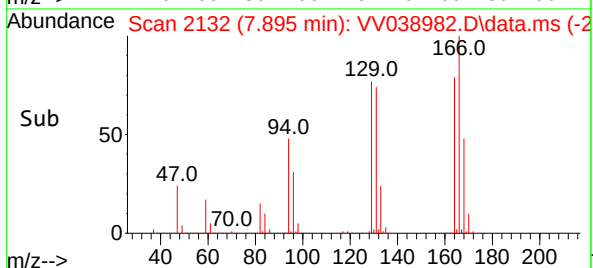
Tgt Ion:117 Resp: 788137
Ion Ratio Lower Upper
117 100
82 55.7 44.4 66.6
119 32.3 26.0 39.0

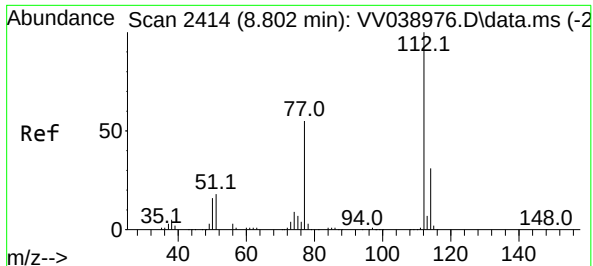


#64
Tetrachloroethene
Concen: 50.645 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42



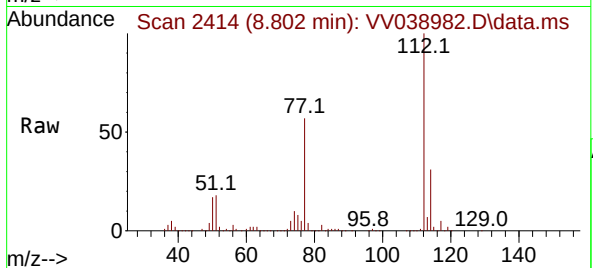
Tgt Ion:164 Resp: 297008
Ion Ratio Lower Upper
164 100
166 127.0 101.8 152.6
129 98.0 78.7 118.1
131 93.6 75.1 112.7



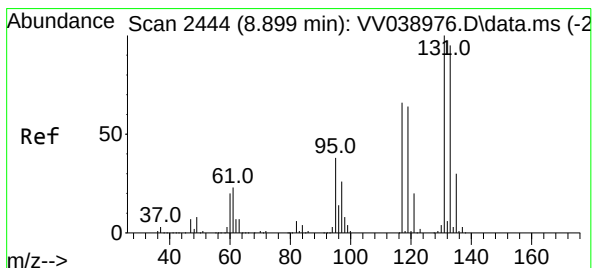
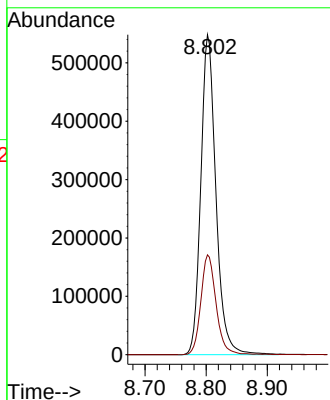
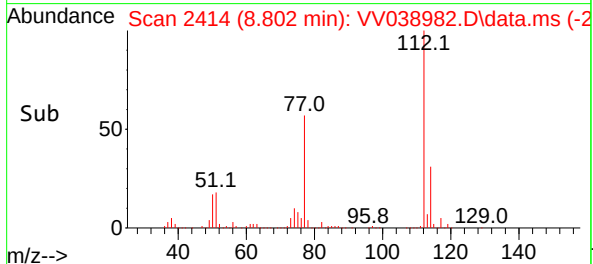


#65
Chlorobenzene
Concen: 49.519 ug/l
RT: 8.802 min Scan# 2414
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

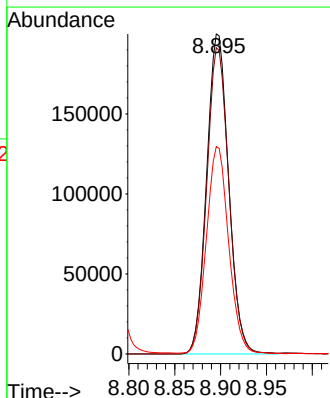
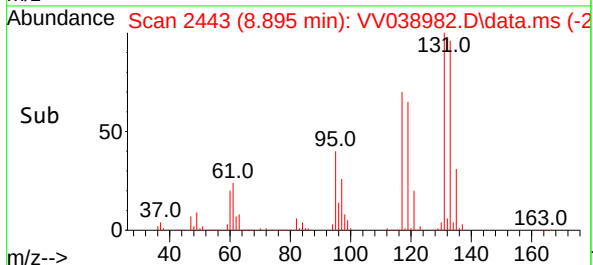
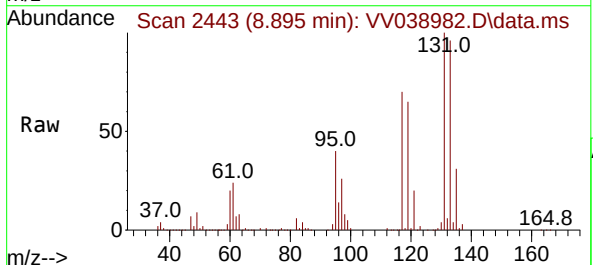


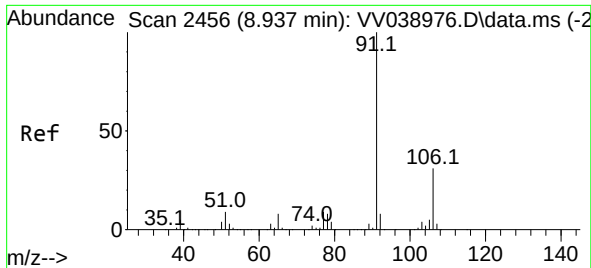
Tgt Ion:112 Resp: 940992
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.069 ug/l
RT: 8.895 min Scan# 2443
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:131 Resp: 334726
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.4 32.1 96.3





#67

Ethyl Benzene

Concen: 55.074 ug/l

RT: 8.934 min Scan# 2456

Delta R.T. -0.003 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

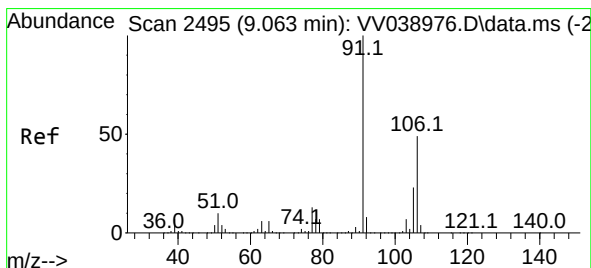
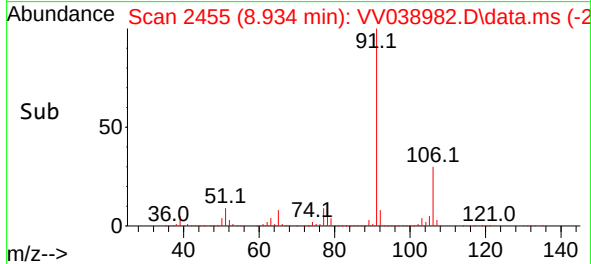
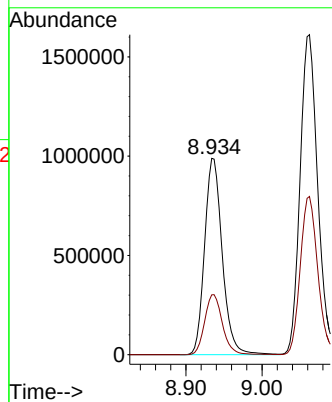
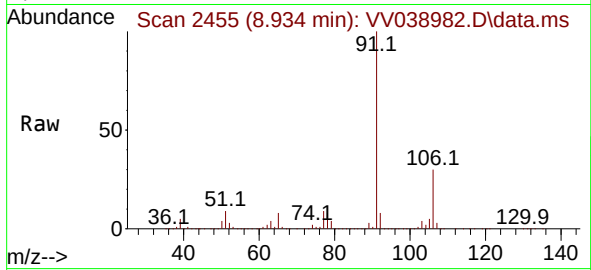
ClientSampleId :

Tgt Ion: 91 Resp: 1597667

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 113.815 ug/l

RT: 9.062 min Scan# 2495

Delta R.T. -0.000 min

Lab File: VV038982.D

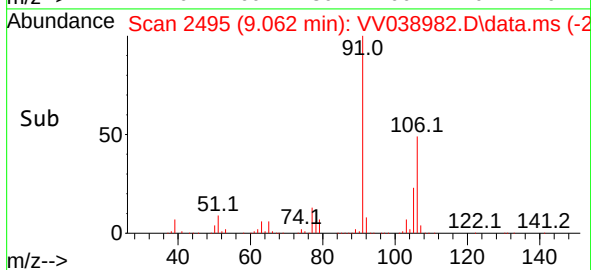
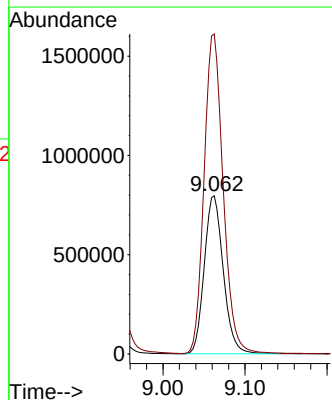
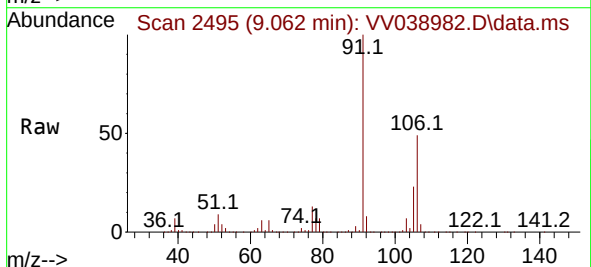
Acq: 21 Aug 2025 15:42

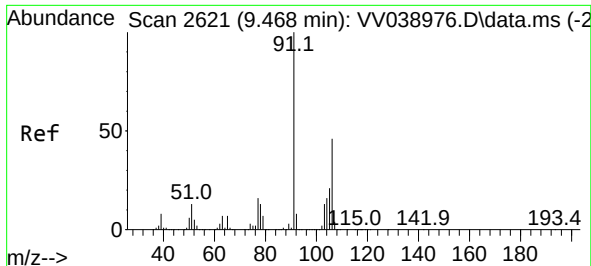
Tgt Ion:106 Resp: 1282293

Ion Ratio Lower Upper

106 100

91 203.7 163.6 245.4

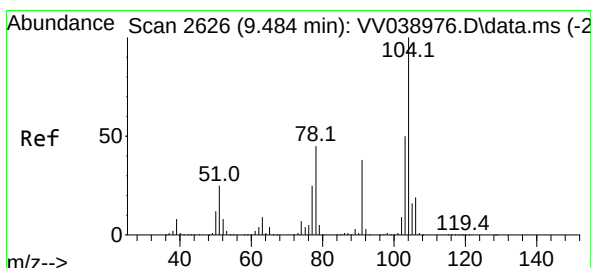
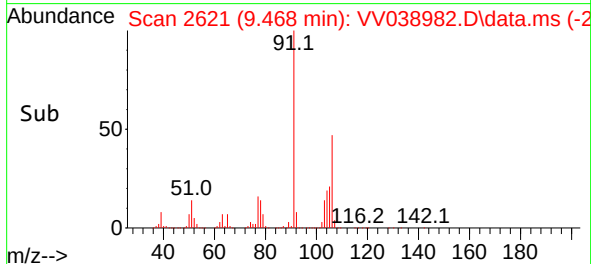
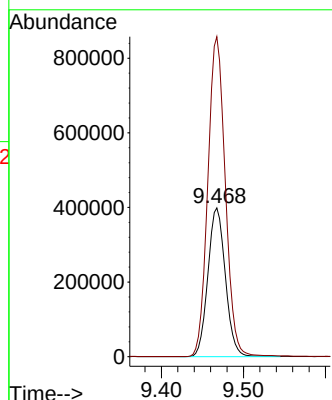
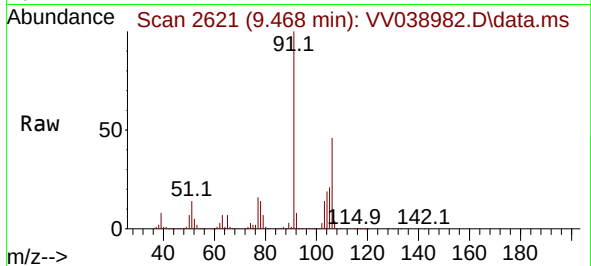




#69
o-Xylene
Concen: 57.475 ug/l
RT: 9.468 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

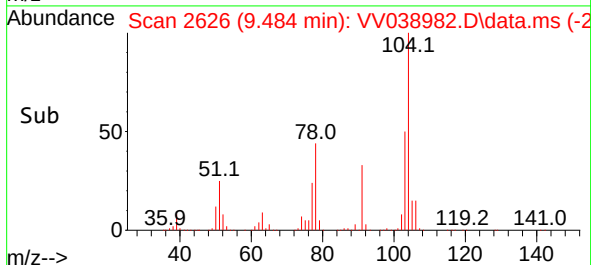
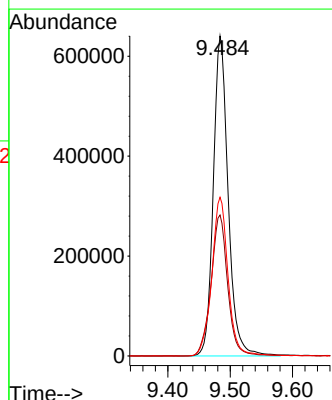
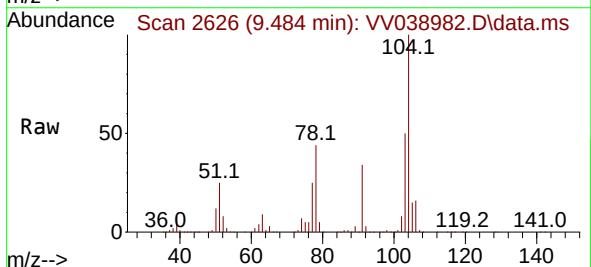
Instrument :
MSVOA_V
ClientSampleId :

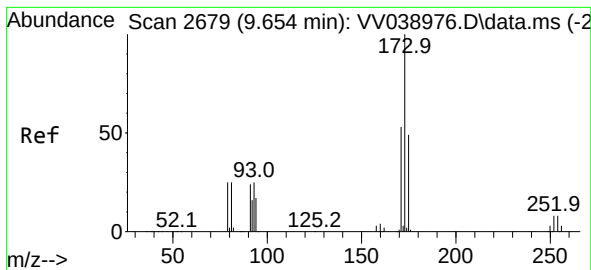
Tgt Ion:106 Resp: 590206
Ion Ratio Lower Upper
106 100
91 215.1 108.0 324.0



#70
Styrene
Concen: 60.112 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:104 Resp: 1059046
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.8
103 54.4 43.5 65.3





#71

Bromoform

Concen: 49.915 ug/l

RT: 9.654 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

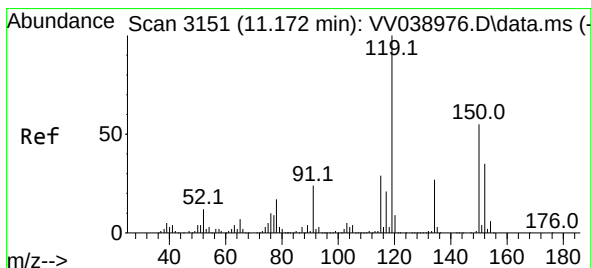
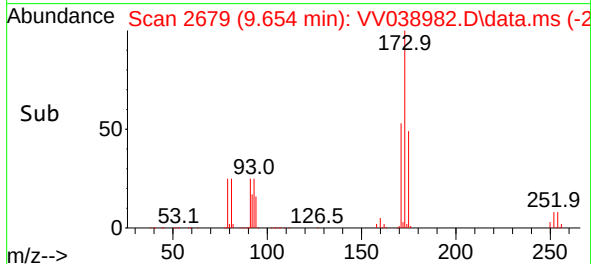
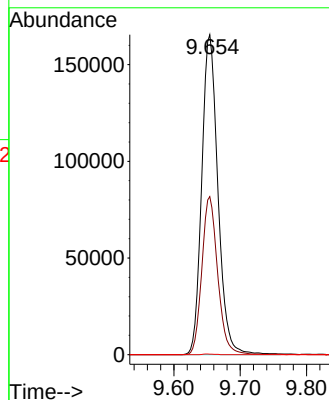
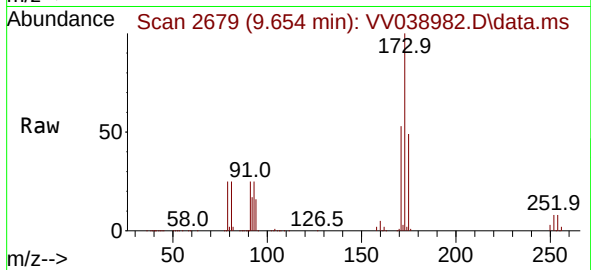
Tgt Ion:173 Resp: 280545

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.6

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: VV038982.D

Acq: 21 Aug 2025 15:42

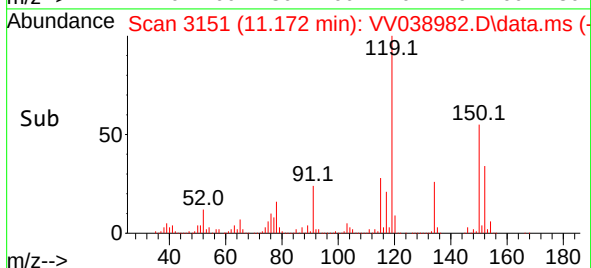
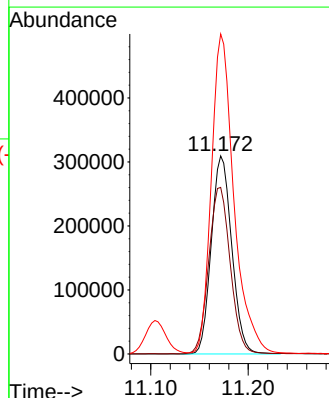
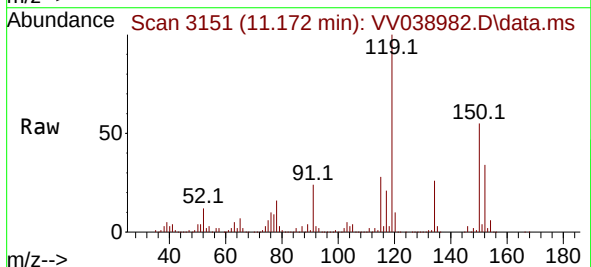
Tgt Ion:152 Resp: 452177

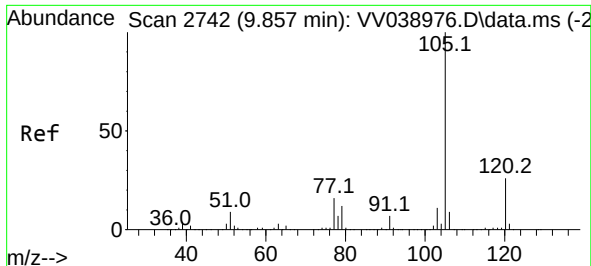
Ion Ratio Lower Upper

152 100

115 88.1 42.5 127.5

150 177.5 0.0 344.8

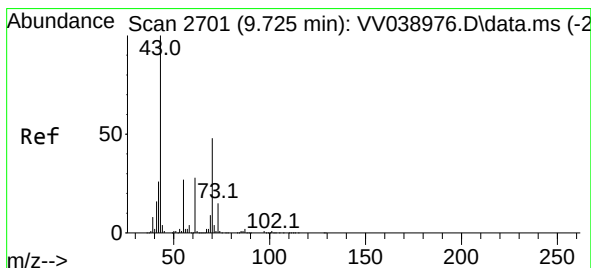
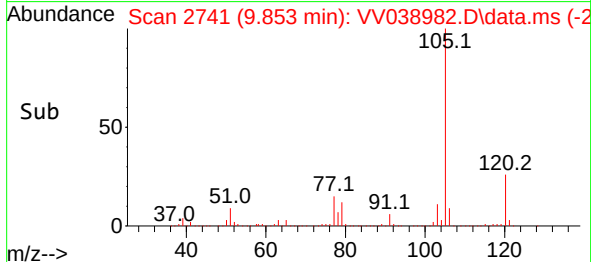
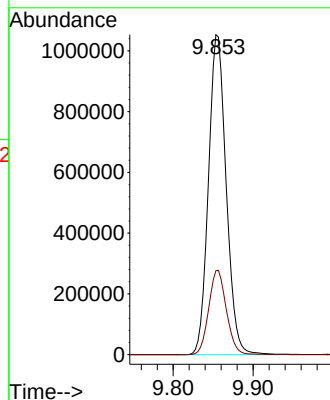
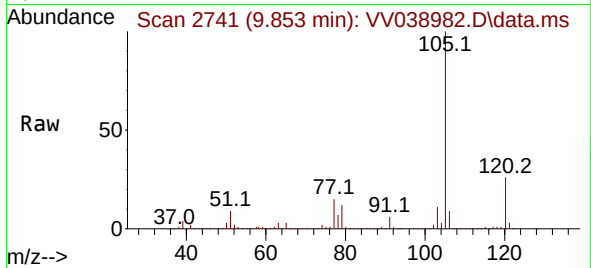




#73
Isopropylbenzene
Concen: 53.470 ug/l
RT: 9.853 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

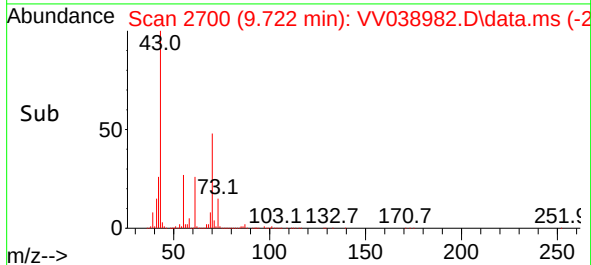
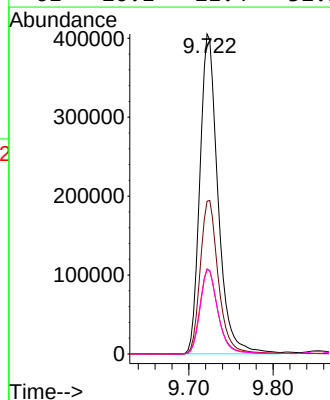
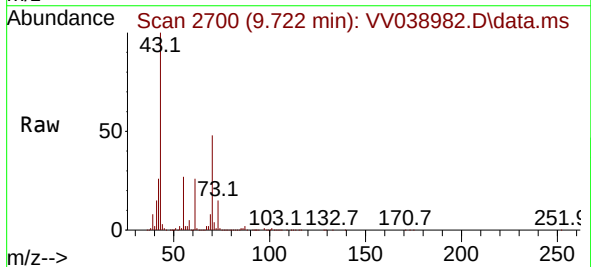
Instrument :
MSVOA_V
ClientSampleId :

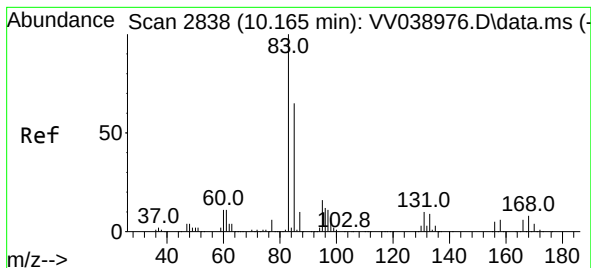
Tgt Ion:105 Resp: 1622391
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1



#74
N-ethyl acetate
Concen: 54.667 ug/l
RT: 9.722 min Scan# 2700
Delta R.T. -0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 43 Resp: 607714
Ion Ratio Lower Upper
43 100
70 48.3 38.3 57.5
55 26.9 21.6 32.4
61 26.1 21.4 32.2

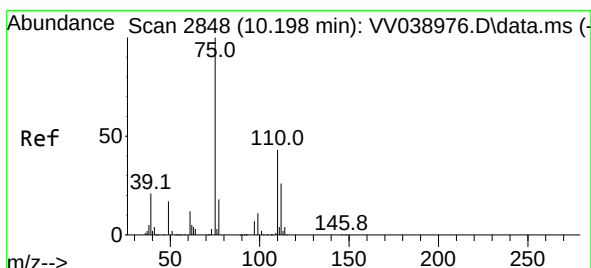
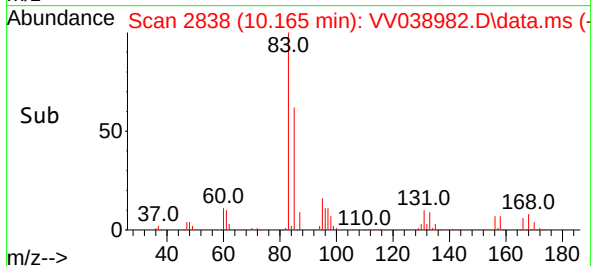
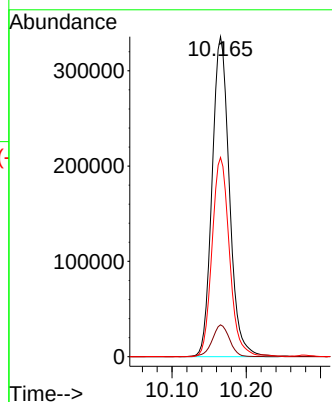
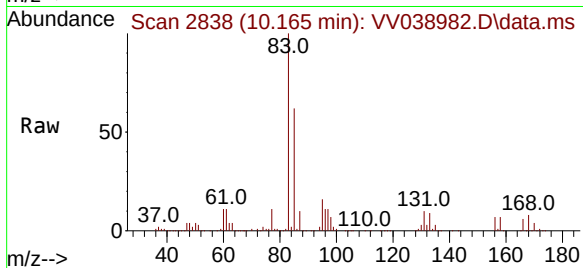




#75
1,1,2,2-Tetrachloroethane
Concen: 45.083 ug/l
RT: 10.165 min Scan# 2838
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

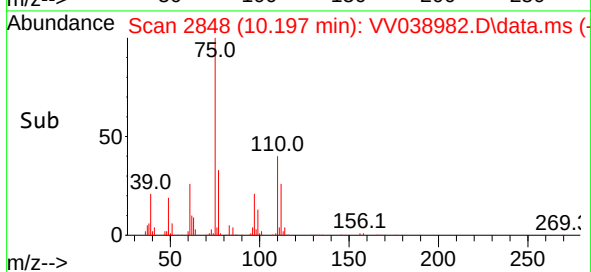
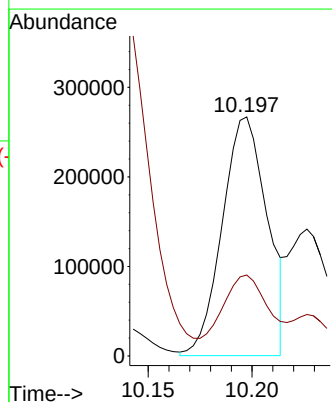
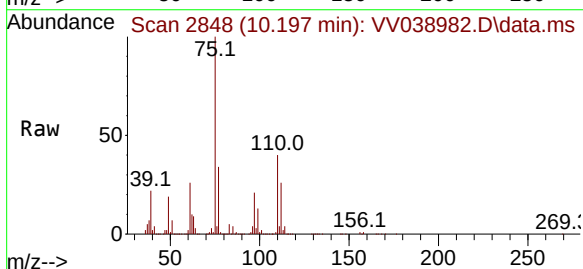
Instrument :
MSVOA_V
ClientSampleId :

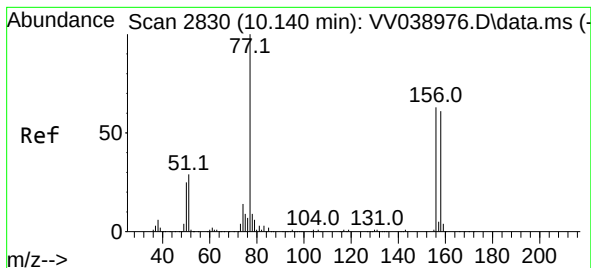
Tgt Ion: 83 Resp: 543269
Ion Ratio Lower Upper
83 100
131 10.1 5.3 15.9
85 62.8 32.5 97.5



#76
1,2,3-Trichloropropane
Concen: 47.788 ug/l
RT: 10.197 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 75 Resp: 400812
Ion Ratio Lower Upper
75 100
77 24.2 11.3 33.8





#77

Bromobenzene

Concen: 49.961 ug/l

RT: 10.140 min Scan# 2830

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

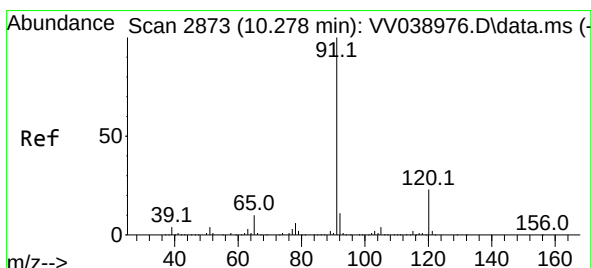
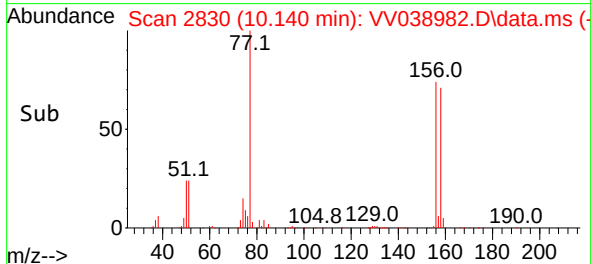
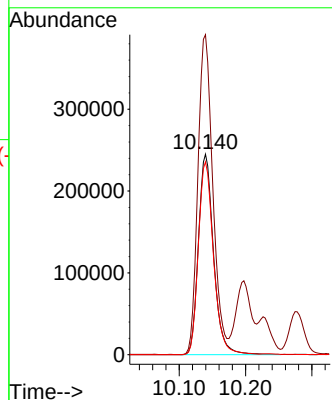
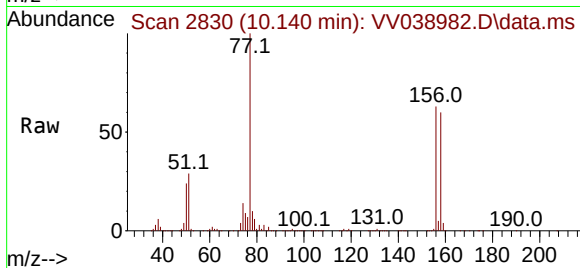
Tgt Ion:156 Resp: 389490

Ion Ratio Lower Upper

156 100

77 157.4 79.0 237.0

158 96.5 48.6 145.9



#78

n-propylbenzene

Concen: 54.110 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. -0.000 min

Lab File: VV038982.D

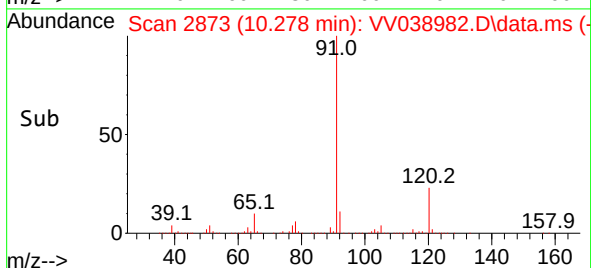
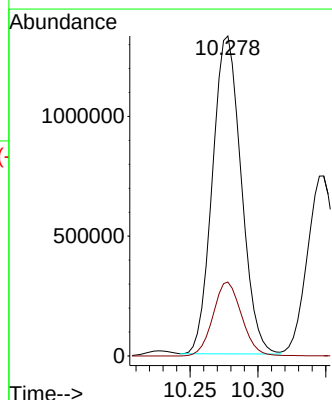
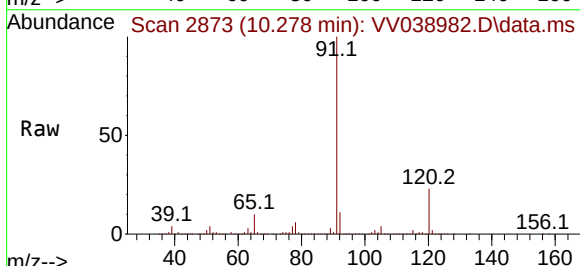
Acq: 21 Aug 2025 15:42

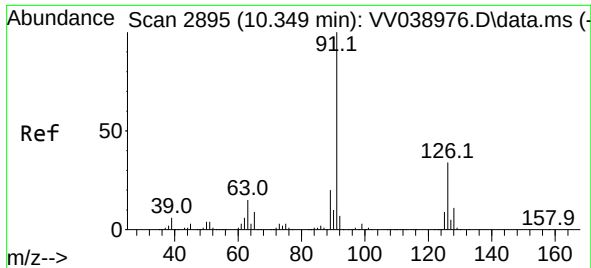
Tgt Ion: 91 Resp: 1960269

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4

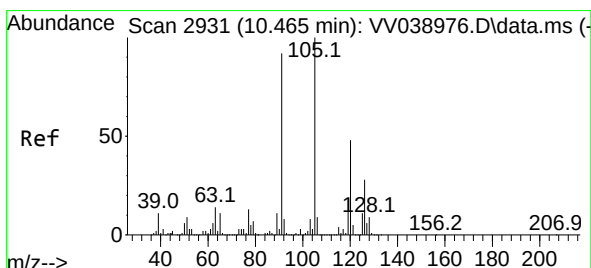
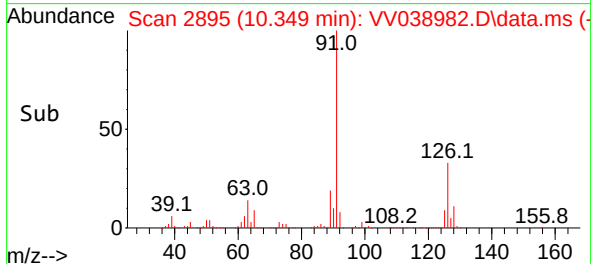
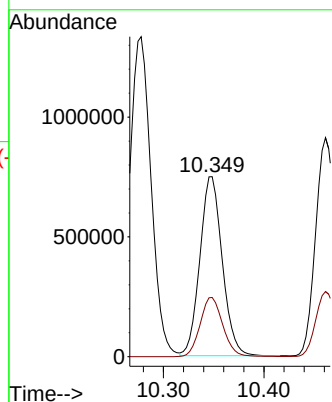
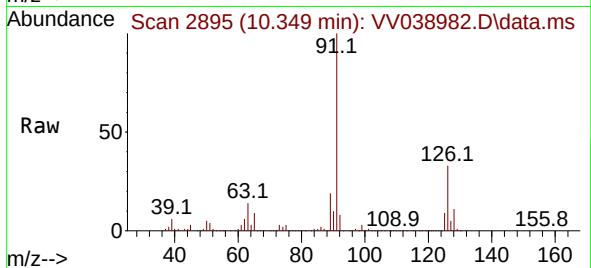




#79
2-Chlorotoluene
Concen: 53.188 ug/l
RT: 10.349 min Scan# 2895
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

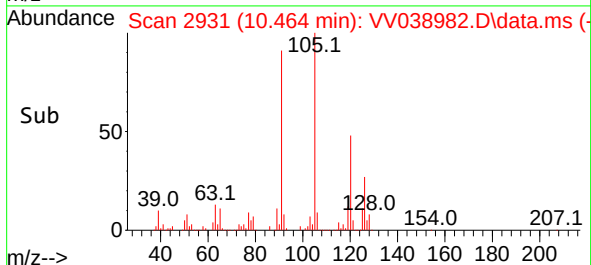
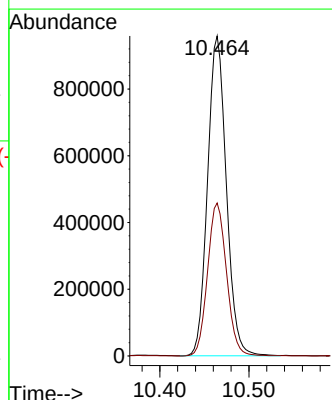
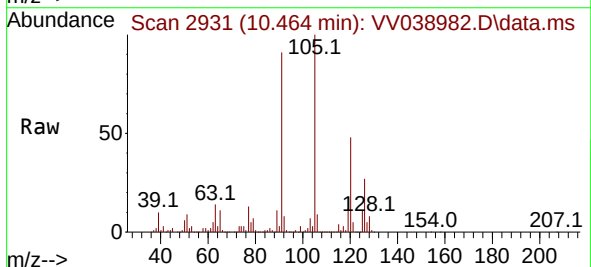
Instrument :
MSVOA_V
ClientSampleId :

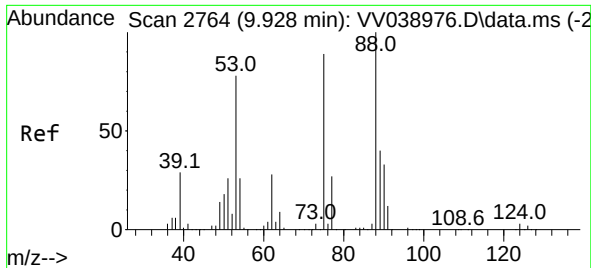
Tgt Ion: 91 Resp: 1156919
Ion Ratio Lower Upper
91 100
126 33.6 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 54.833 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 105 Resp: 1400151
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7

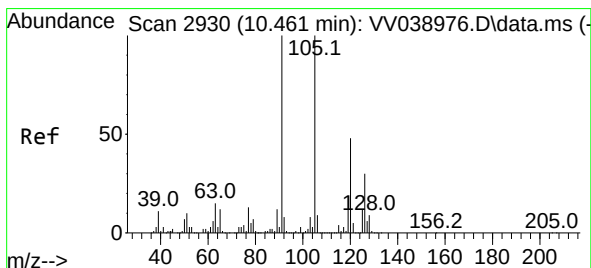
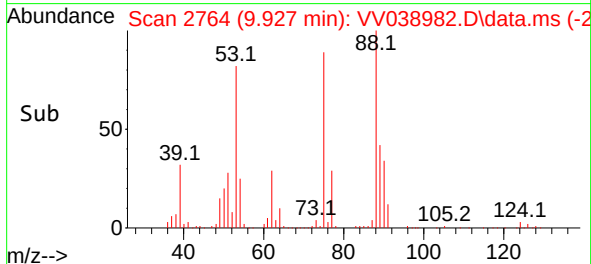
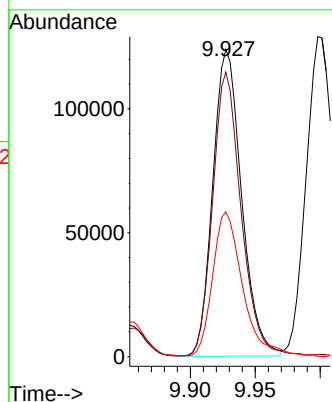
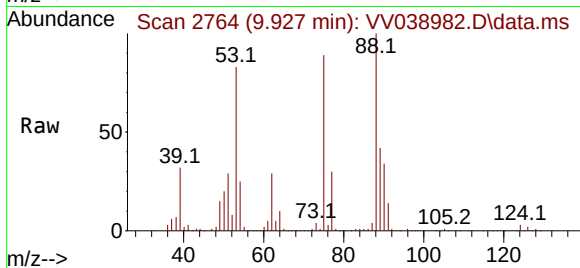




#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.076 ug/l
 RT: 9.927 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV038982.D
 Acq: 21 Aug 2025 15:42

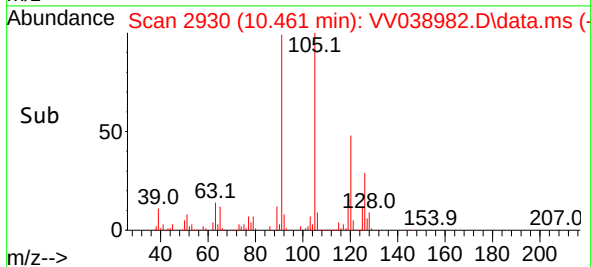
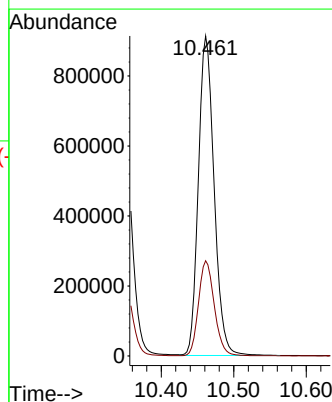
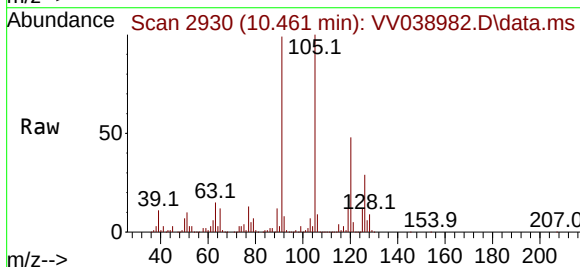
Instrument :
 MSVOA_V
 ClientSampleId :

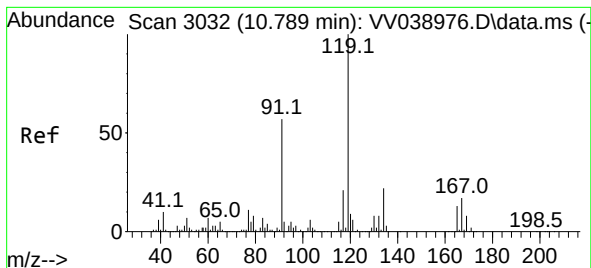
Tgt Ion: 75 Resp: 190242
 Ion Ratio Lower Upper
 75 100
 53 91.3 70.3 105.5
 89 49.6 37.9 56.9



#82
 4-Chlorotoluene
 Concen: 54.791 ug/l
 RT: 10.461 min Scan# 2930
 Delta R.T. -0.000 min
 Lab File: VV038982.D
 Acq: 21 Aug 2025 15:42

Tgt Ion: 91 Resp: 1373621
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.9 44.5





#83

tert-Butylbenzene

Concen: 54.165 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

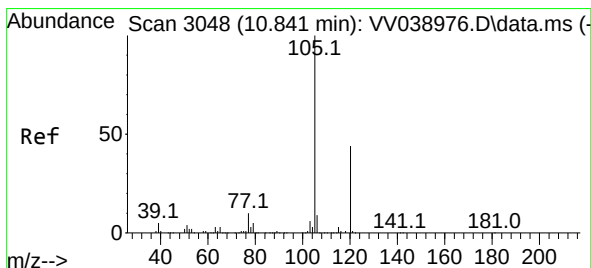
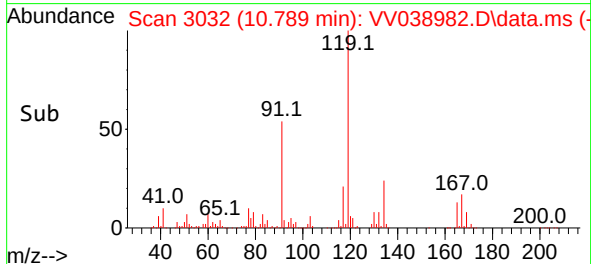
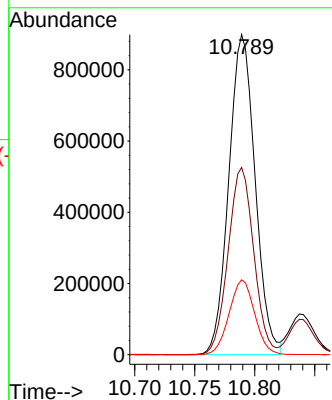
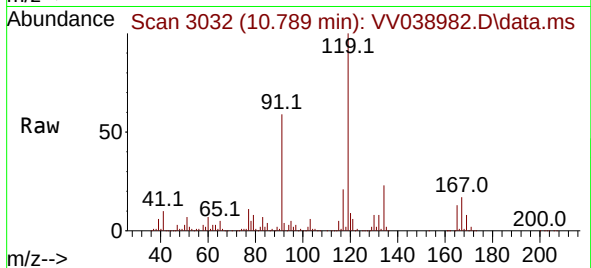
Tgt Ion:119 Resp: 1373358

Ion Ratio Lower Upper

119 100

91 56.9 28.4 85.3

134 22.8 11.2 33.6



#84

1,2,4-Trimethylbenzene

Concen: 57.229 ug/l

RT: 10.837 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VV038982.D

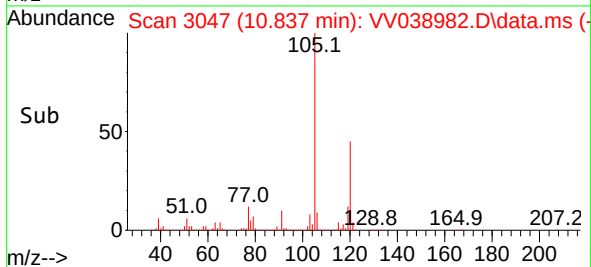
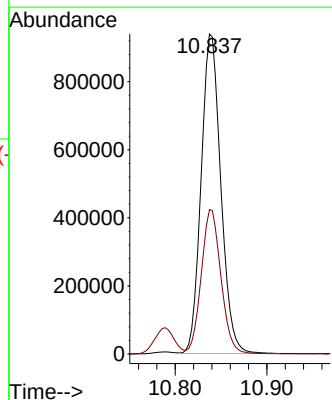
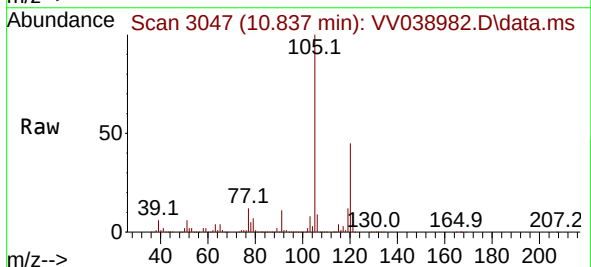
Acq: 21 Aug 2025 15:42

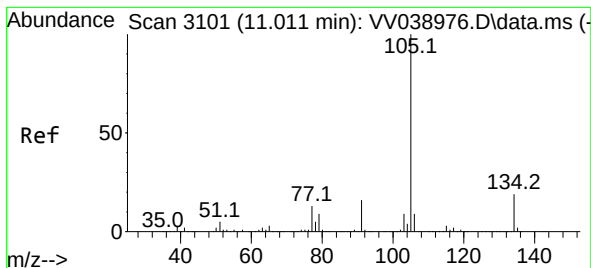
Tgt Ion:105 Resp: 1398463

Ion Ratio Lower Upper

105 100

120 45.2 22.8 68.3





#85

sec-Butylbenzene

Concen: 54.997 ug/l

RT: 11.011 min Scan# 3101

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

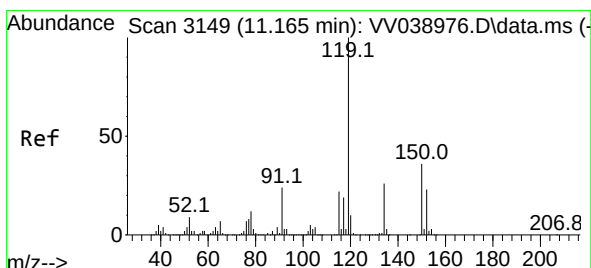
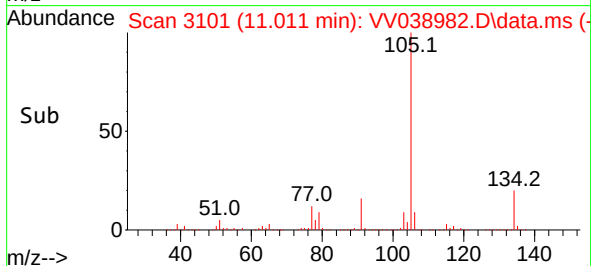
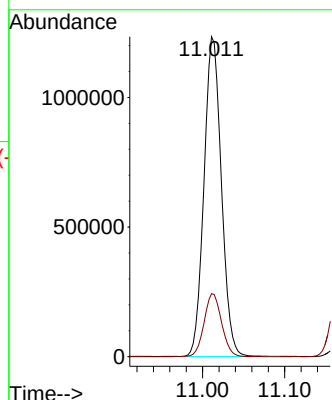
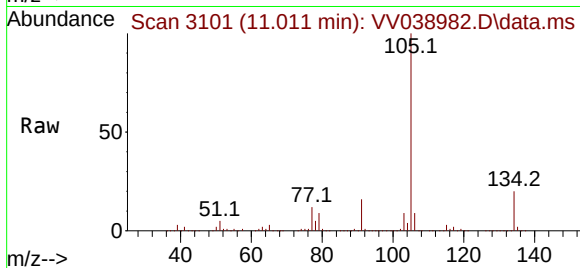
ClientSampleId :

Tgt Ion:105 Resp: 1813510

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



#86

p-Isopropyltoluene

Concen: 55.491 ug/l

RT: 11.165 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

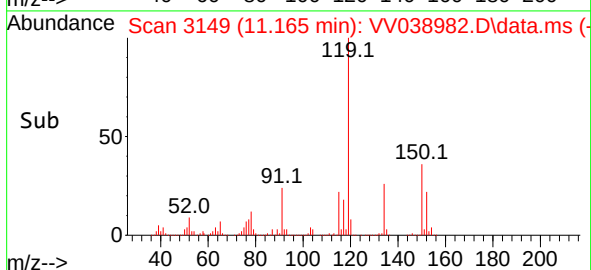
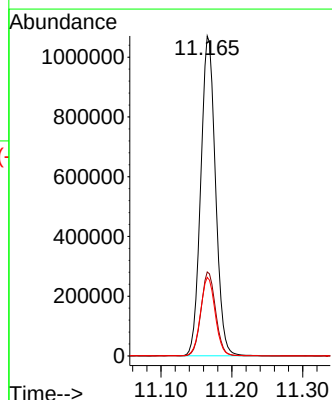
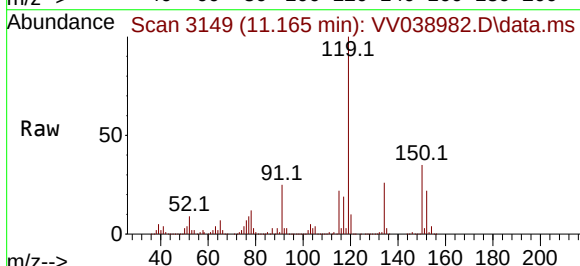
Tgt Ion:119 Resp: 1540958

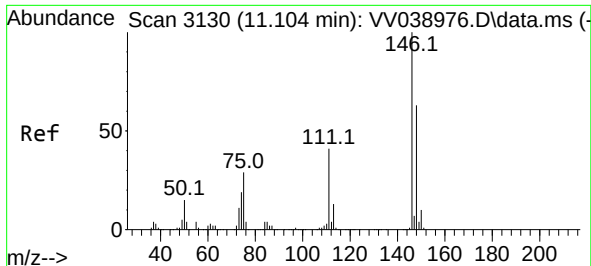
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.700 ug/l

RT: 11.104 min Scan# 3130

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

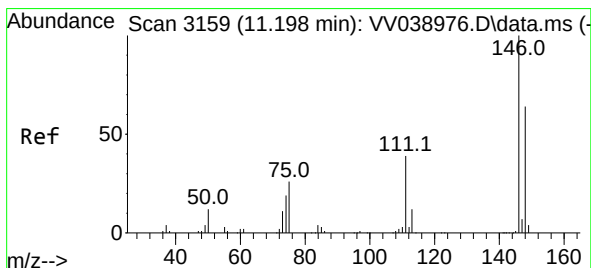
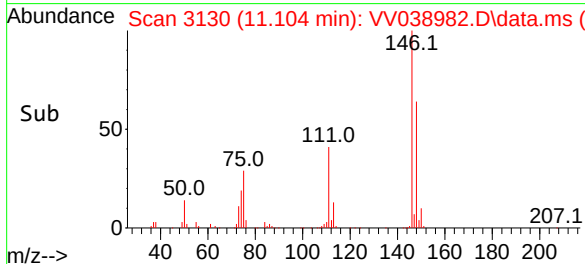
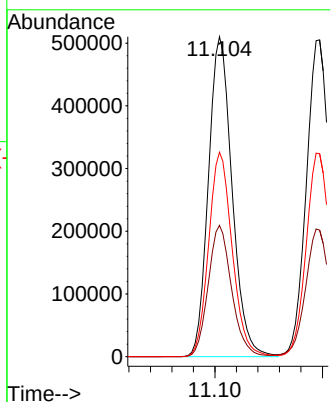
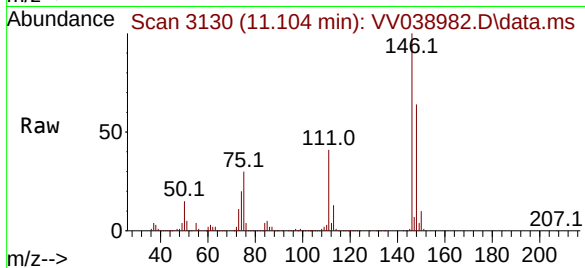
Tgt Ion:146 Resp: 780470

Ion Ratio Lower Upper

146 100

111 40.6 20.5 61.6

148 63.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 48.240 ug/l

RT: 11.197 min Scan# 3159

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

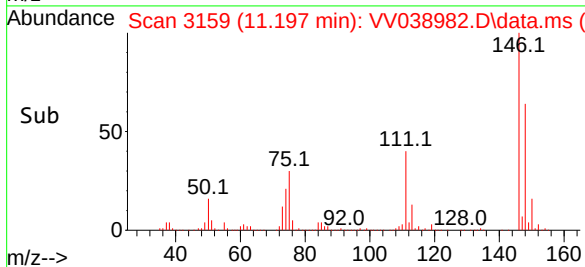
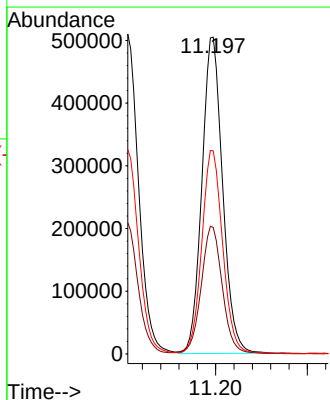
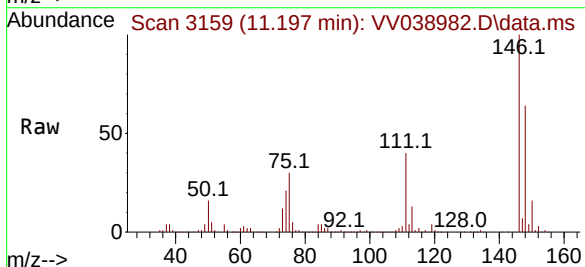
Tgt Ion:146 Resp: 792148

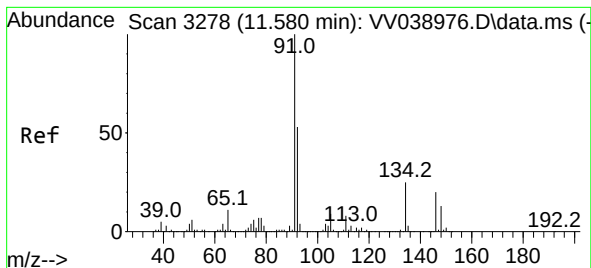
Ion Ratio Lower Upper

146 100

111 41.1 20.0 60.0

148 65.1 31.8 95.3





#89

n-Butylbenzene

Concen: 54.710 ug/l

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

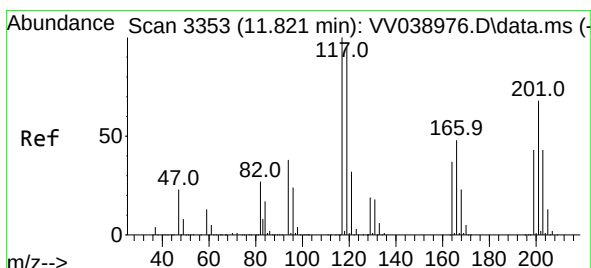
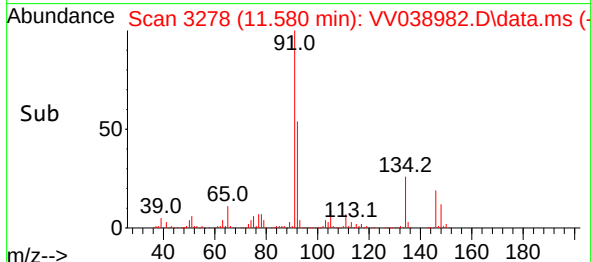
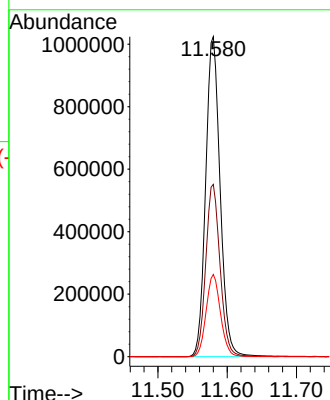
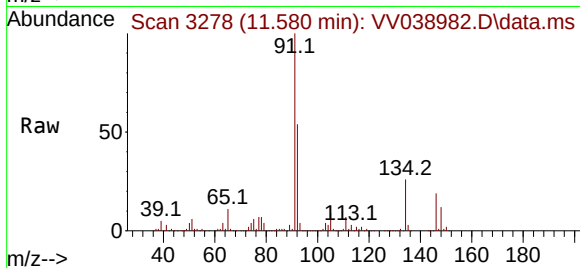
Tgt Ion: 91 Resp: 1480179

Ion Ratio Lower Upper

91 100

92 53.5 26.5 79.5

134 25.5 12.6 37.8



#90

Hexachloroethane

Concen: 47.007 ug/l

RT: 11.818 min Scan# 3352

Delta R.T. -0.003 min

Lab File: VV038982.D

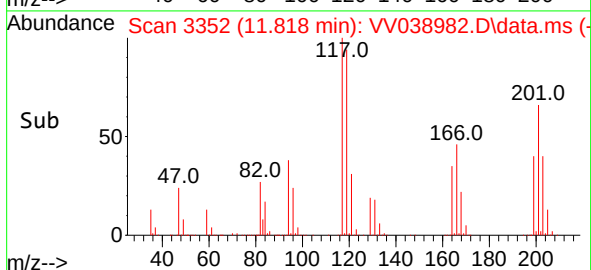
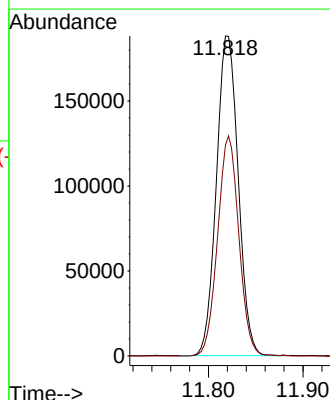
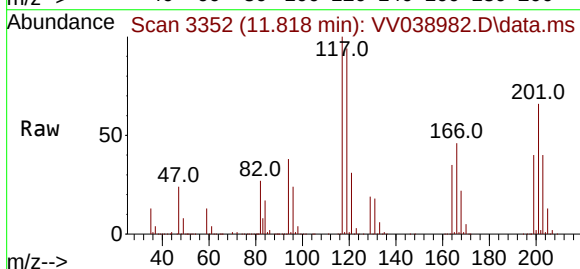
Acq: 21 Aug 2025 15:42

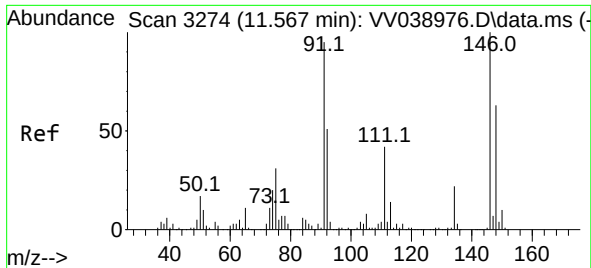
Tgt Ion:117 Resp: 301675

Ion Ratio Lower Upper

117 100

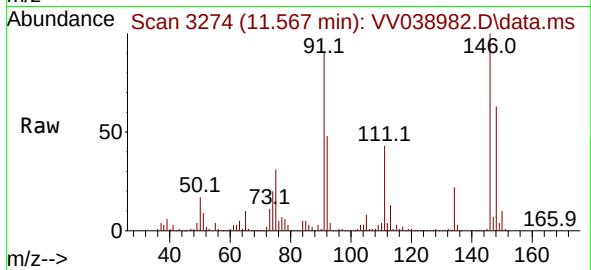
201 66.9 33.7 101.0



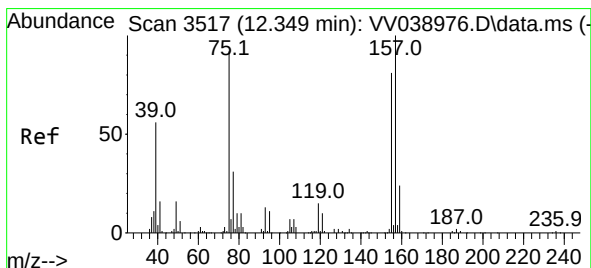
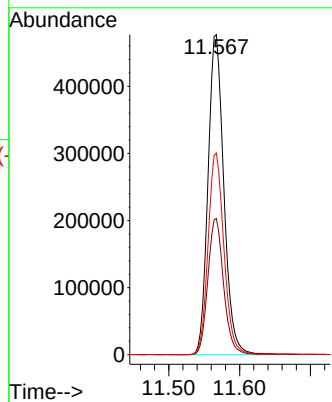
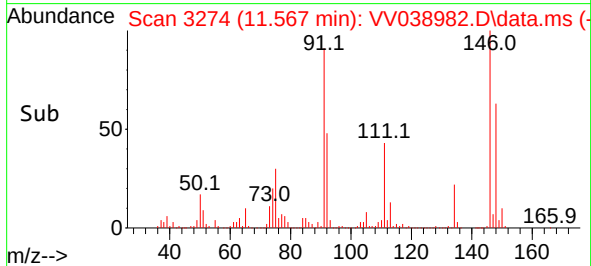


#91
1,2-Dichlorobenzene
Concen: 50.324 ug/l
RT: 11.567 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

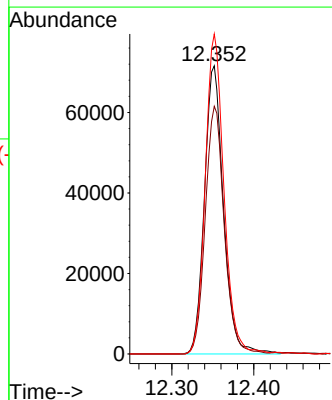
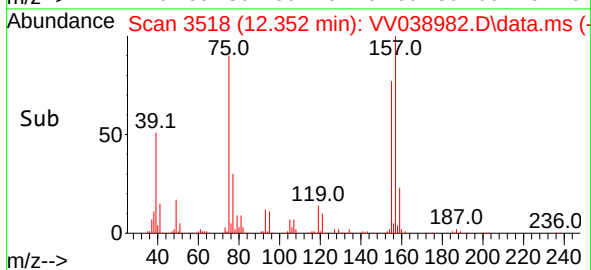
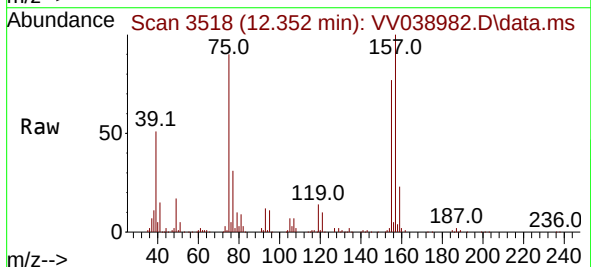


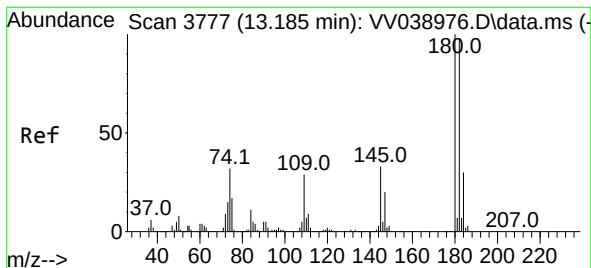
Tgt Ion:146 Resp: 738684
Ion Ratio Lower Upper
146 100
111 42.3 21.1 63.4
148 63.2 31.9 95.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.320 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion: 75 Resp: 115589
Ion Ratio Lower Upper
75 100
155 85.6 43.7 131.1
157 108.4 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 54.087 ug/l

RT: 13.184 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

Instrument :

MSVOA_V

ClientSampleId :

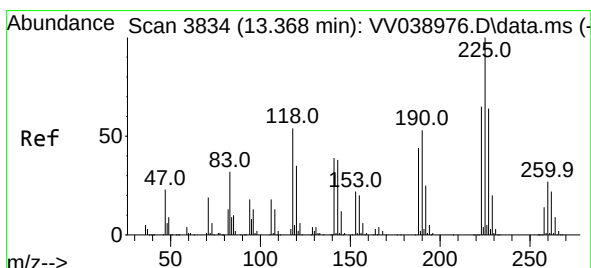
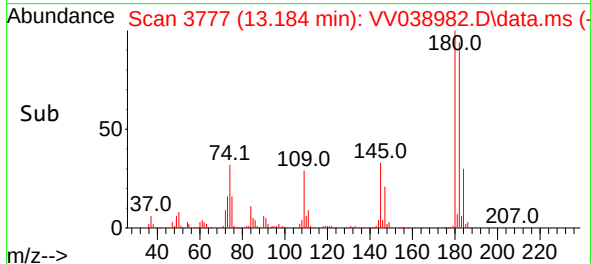
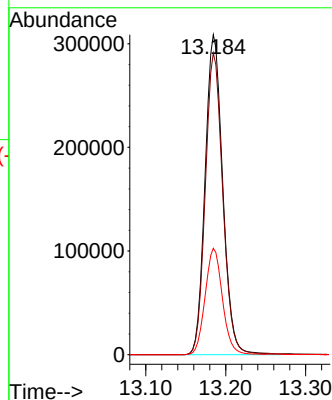
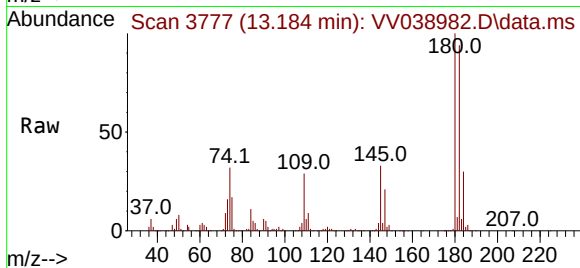
Tgt Ion:180 Resp: 473764

Ion Ratio Lower Upper

180 100

182 93.5 47.3 142.0

145 32.8 16.3 48.8



#94

Hexachlorobutadiene

Concen: 47.789 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. -0.000 min

Lab File: VV038982.D

Acq: 21 Aug 2025 15:42

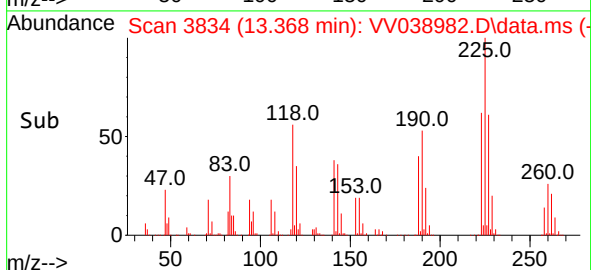
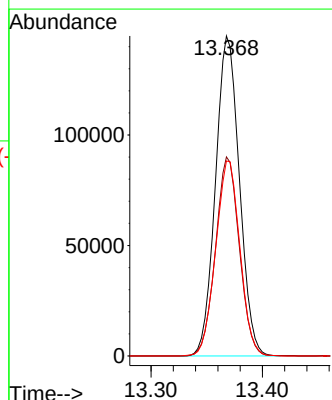
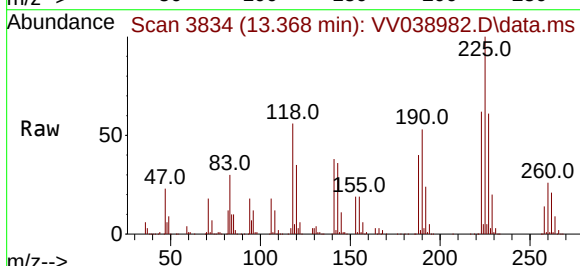
Tgt Ion:225 Resp: 215797

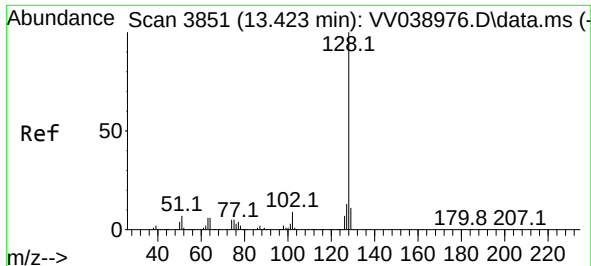
Ion Ratio Lower Upper

225 100

223 62.0 31.9 95.7

227 61.9 30.8 92.3

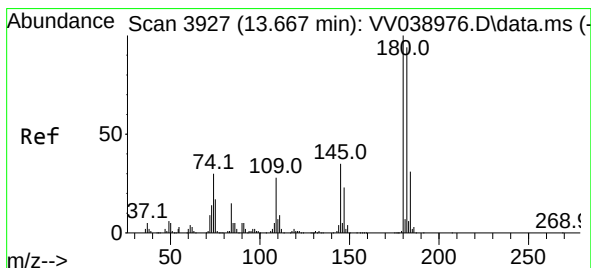
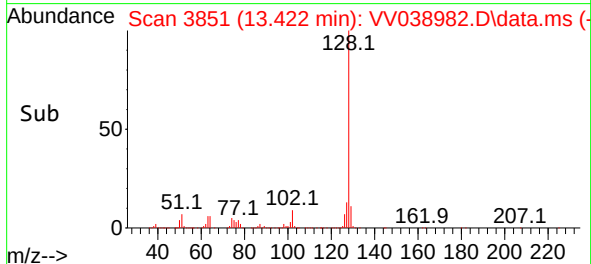
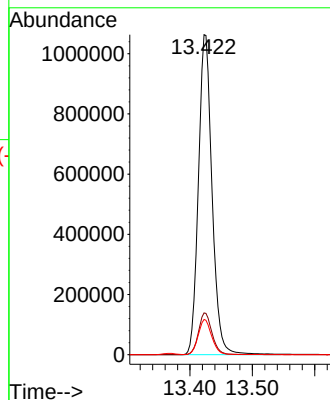
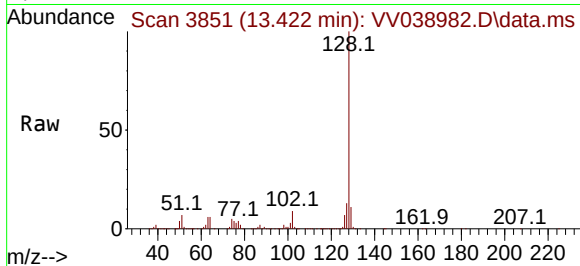




#95
Naphthalene
Concen: 58.487 ug/l
RT: 13.422 min Scan# 3851
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 1616722
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 55.016 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. -0.000 min
Lab File: VV038982.D
Acq: 21 Aug 2025 15:42

Tgt Ion:180 Resp: 485913
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.0
145 34.9 17.3 52.0

