

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081325\
 Data File : VV038948.D
 Acq On : 13 Aug 2025 13:23
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 14 02:24:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V081325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 14 02:22:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	518998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845724	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	790929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	434581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	69799	9.751	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	19.500%#
35) Dibromofluoromethane	4.503	113	58492	9.818	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	19.640%#
50) Toluene-d8	7.240	98	197504	9.516	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	19.040%#
62) 4-Bromofluorobenzene	10.005	95	70109	9.297	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	18.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	74321	10.618	ug/l	98
3) Chloromethane	1.230	50	73906	10.042	ug/l	97
4) Vinyl Chloride	1.294	62	82189	10.085	ug/l	100
5) Bromomethane	1.500	94	61195	11.177	ug/l	100
6) Chloroethane	1.561	64	52000	10.471	ug/l	99
7) Trichlorofluoromethane	1.725	101	109928	10.281	ug/l	97
8) Diethyl Ether	1.918	74	36995	11.034	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.079	101	61874	10.592	ug/l	99
10) Methyl Iodide	2.198	142	78196	9.879	ug/l	99
11) Tert butyl alcohol	2.571	59	74477	52.702	ug/l	97
12) 1,1-Dichloroethene	2.082	96	58105	10.033	ug/l	98
13) Acrolein	2.011	56	28785	42.951	ug/l	98
14) Allyl chloride	2.359	41	89749	8.952	ug/l	99
15) Acrylonitrile	2.677	53	206667	52.117	ug/l	98
16) Acetone	2.121	43	141369	48.248	ug/l	99
17) Carbon Disulfide	2.253	76	161337	8.917	ug/l	100
18) Methyl Acetate	2.378	43	59752	7.856	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	217833	10.370	ug/l	97
20) Methylene Chloride	2.458	84	64872	9.171	ug/l	95
21) trans-1,2-Dichloroethene	2.703	96	74234	10.456	ug/l	96
22) Diisopropyl ether	3.217	45	200501	10.510	ug/l	90
23) Vinyl Acetate	3.191	43	847971	52.923	ug/l	99
24) 1,1-Dichloroethane	3.118	63	133488	11.182	ug/l	98
25) 2-Butanone	3.876	43	226455	51.749	ug/l	100
26) 2,2-Dichloropropane	3.809	77	108943	10.403	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	74294	10.145	ug/l	98
28) Bromochloromethane	4.150	49	30535	9.356	ug/l	97
29) Tetrahydrofuran	4.243	42	142225	50.457	ug/l	99
30) Chloroform	4.281	83	136463	10.697	ug/l	98
31) Cyclohexane	4.584	56	109304	10.436	ug/l #	89
32) 1,1,1-Trichloroethane	4.513	97	118295	10.286	ug/l	99
36) 1,1-Dichloropropene	4.751	75	81416	10.390	ug/l	98
37) Ethyl Acetate	3.989	43	94340	10.228	ug/l	97
38) Carbon Tetrachloride	4.735	117	97728	10.579	ug/l	97
39) Methylcyclohexane	6.047	83	101454	9.854	ug/l	97
40) Benzene	5.011	78	268095	10.438	ug/l	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.172	41	35459	10.050	ug/l #	90
42) 1,2-Dichloroethane	5.043	62	94432	10.677	ug/l	98
43) Isopropyl Acetate	5.198	43	130917	10.476	ug/l	98
44) Trichloroethene	5.834	130	67290	10.122	ug/l	99
45) 1,2-Dichloropropane	6.092	63	64022	10.694	ug/l	100
46) Dibromomethane	6.230	93	51479	10.730	ug/l	97
47) Bromodichloromethane	6.429	83	102861	10.667	ug/l	97
48) Methyl methacrylate	6.304	41	52123	9.054	ug/l	94
49) 1,4-Dioxane	6.297	88	22232	195.131	ug/l	93
51) 4-Methyl-2-Pentanone	7.150	43	452954	53.304	ug/l	100
52) Toluene	7.314	92	168012	10.724	ug/l	96
53) t-1,3-Dichloropropene	7.580	75	95462	10.383	ug/l	98
54) cis-1,3-Dichloropropene	6.953	75	104006	10.303	ug/l	96
55) 1,1,2-Trichloroethane	7.764	97	72324	11.049	ug/l	99
56) Ethyl methacrylate	7.722	69	81641	9.620	ug/l	99
57) 1,3-Dichloropropane	7.937	76	111282	10.696	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.815	63	246857	51.103	ug/l	99
59) 2-Hexanone	8.069	43	323675	51.654	ug/l	98
60) Dibromochloromethane	8.169	129	81471	10.303	ug/l	100
61) 1,2-Dibromoethane	8.278	107	76320	10.834	ug/l	97
64) Tetrachloroethene	7.899	164	60820	10.163	ug/l	97
65) Chlorobenzene	8.805	112	190319	10.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	68833	10.666	ug/l	99
67) Ethyl Benzene	8.940	91	286822	10.226	ug/l	98
68) m/p-Xylenes	9.066	106	225177	20.503	ug/l	100
69) o-Xylene	9.471	106	98616	9.775	ug/l	98
70) Styrene	9.490	104	175532	9.995	ug/l	100
71) Bromoform	9.657	173	55670	10.616	ug/l #	99
73) Isopropylbenzene	9.857	105	280531	10.081	ug/l	100
74) N-amyl acetate	9.728	43	99318	9.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.169	83	113353	10.498	ug/l	99
76) 1,2,3-Trichloropropane	10.201	75	84381	10.301	ug/l	96
77) Bromobenzene	10.143	156	73470	10.206	ug/l	97
78) n-propylbenzene	10.278	91	328553	9.867	ug/l	99
79) 2-Chlorotoluene	10.349	91	209753	10.305	ug/l	100
80) 1,3,5-Trimethylbenzene	10.468	105	237239	10.105	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	32339	9.678	ug/l	94
82) 4-Chlorotoluene	10.464	91	240336	10.250	ug/l	98
83) tert-Butylbenzene	10.792	119	229546	9.751	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	228781	10.131	ug/l	99
85) sec-Butylbenzene	11.014	105	306182	9.968	ug/l	99
86) p-Isopropyltoluene	11.169	119	260458	9.926	ug/l	98
87) 1,3-Dichlorobenzene	11.108	146	151757	10.284	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	162213	10.122	ug/l	98
89) n-Butylbenzene	11.583	91	241405	9.733	ug/l	98
90) Hexachloroethane	11.821	117	59252	10.266	ug/l	100
91) 1,2-Dichlorobenzene	11.571	146	137430	9.939	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	23374	9.850	ug/l	97
93) 1,2,4-Trichlorobenzene	13.188	180	78500	9.199	ug/l	97
94) Hexachlorobutadiene	13.371	225	42550	10.035	ug/l	100
95) Naphthalene	13.429	128	245596	9.155	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	82536	9.555	ug/l	97

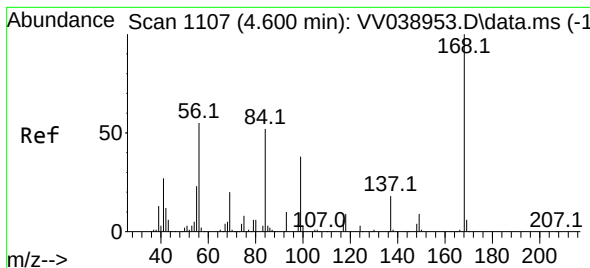
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.597 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

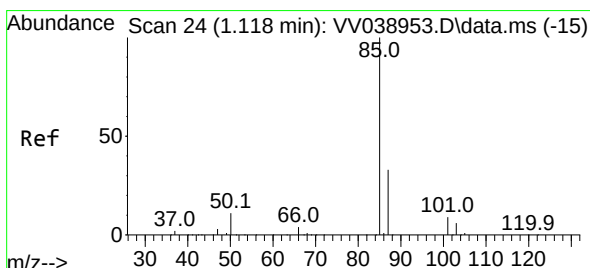
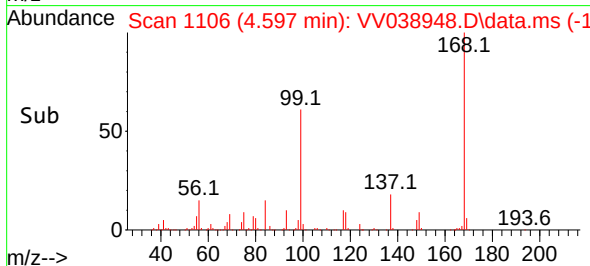
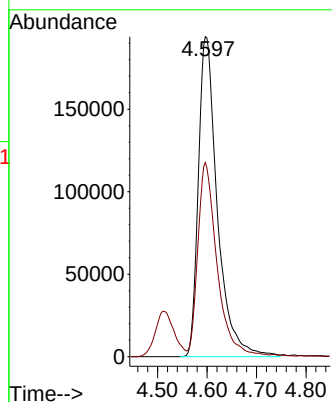
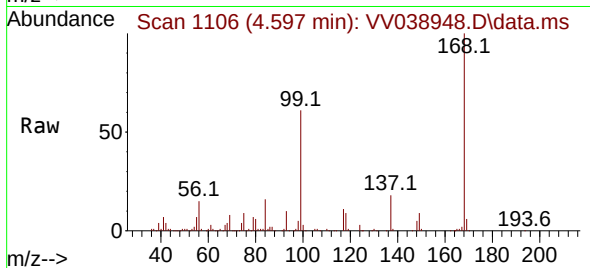
VSTDIC010

Tgt Ion:168 Resp: 518998

Ion Ratio Lower Upper

168 100

99 60.2 48.0 72.0



#2

Dichlorodifluoromethane

Concen: 10.618 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.003 min

Lab File: VV038948.D

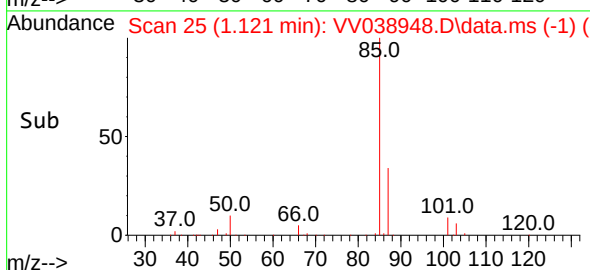
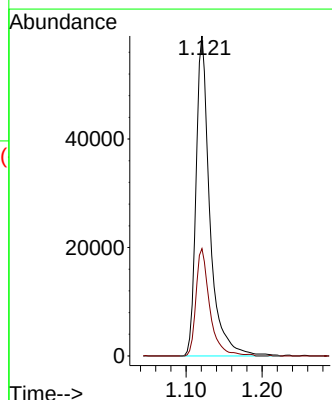
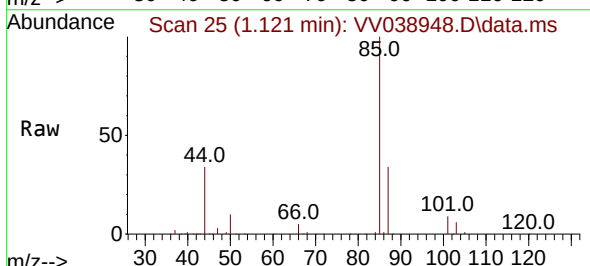
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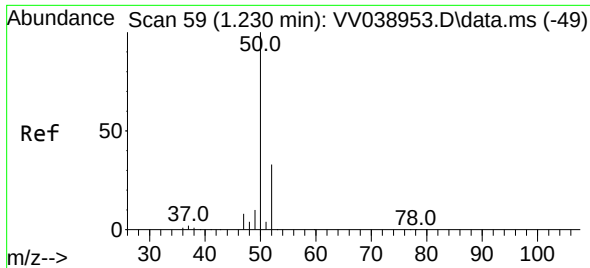
Tgt Ion: 85 Resp: 74321

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9

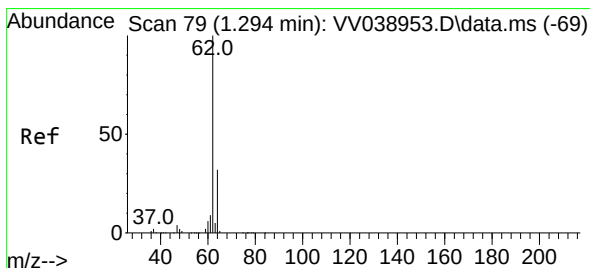
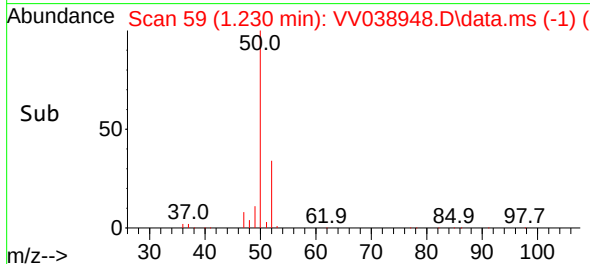
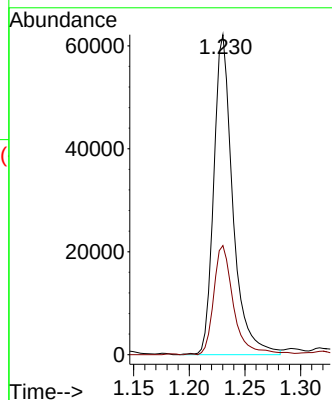
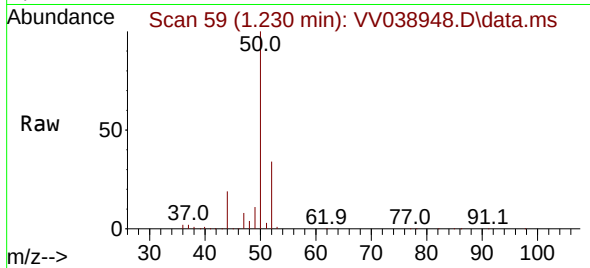




#3
Chloromethane
Concen: 10.042 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

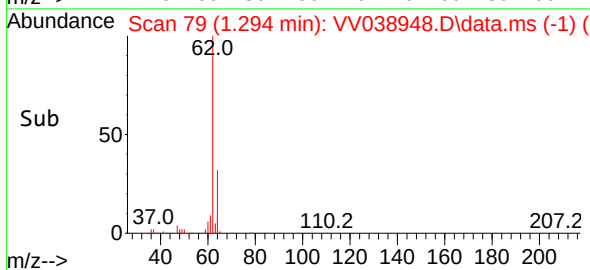
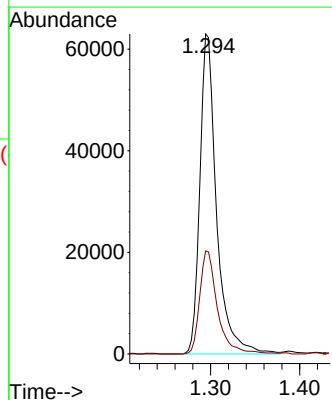
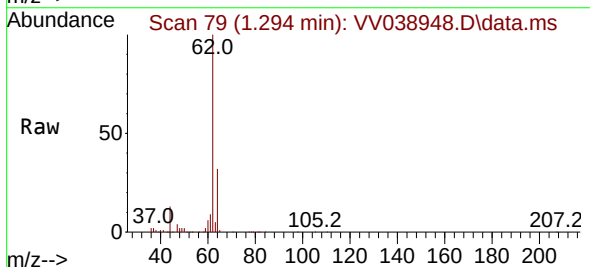
Instrument :
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ClientSampleId :
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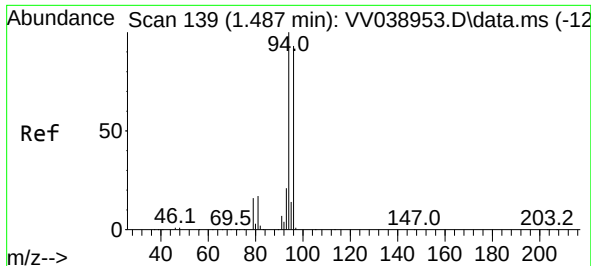
Tgt Ion: 50 Resp: 73906
Ion Ratio Lower Upper
50 100
52 34.1 26.0 39.0



#4
Vinyl Chloride
Concen: 10.085 ug/l
RT: 1.294 min Scan# 79
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 62 Resp: 82189
Ion Ratio Lower Upper
62 100
64 32.2 25.8 38.8

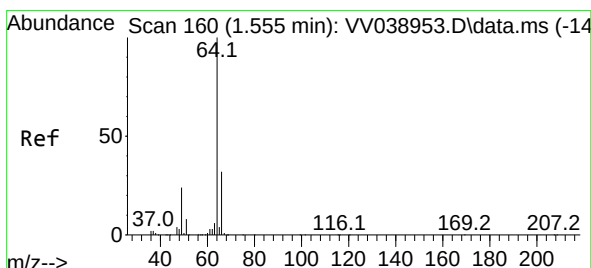
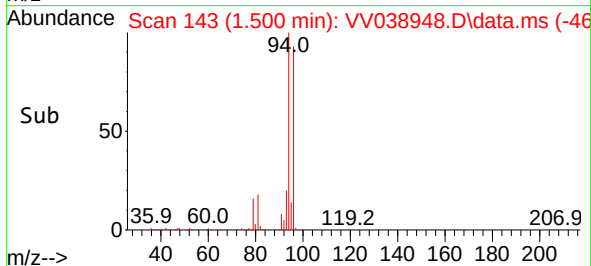
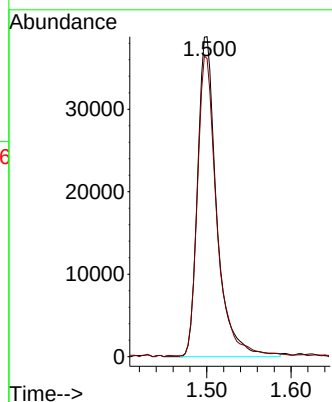
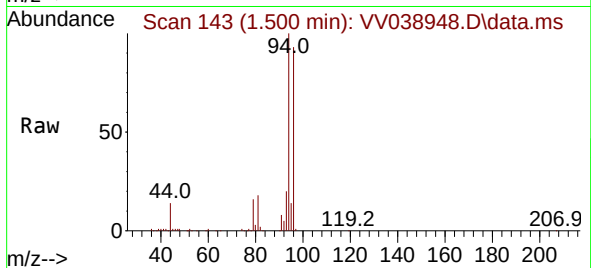




#5
Bromomethane
Concen: 11.177 ug/l
RT: 1.500 min Scan# 14
Delta R.T. 0.013 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

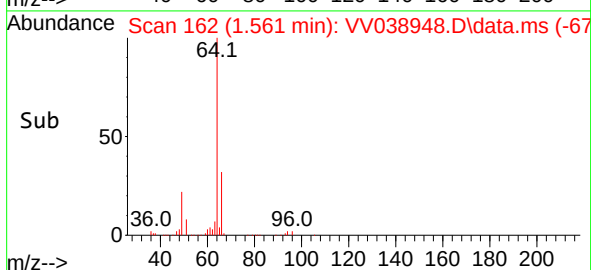
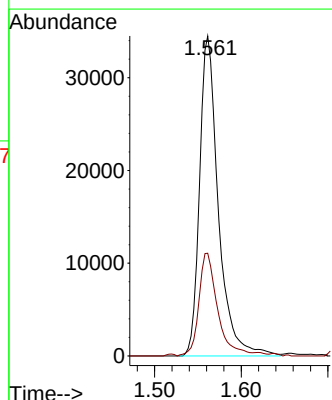
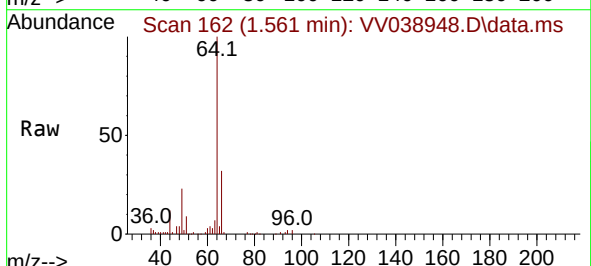
Instrument :
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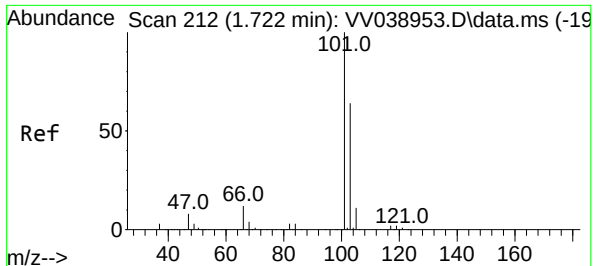
Tgt Ion: 94 Resp: 61195
Ion Ratio Lower Upper
94 100
96 92.8 74.4 111.6



#6
Chloroethane
Concen: 10.471 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.006 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 64 Resp: 52000
Ion Ratio Lower Upper
64 100
66 31.7 25.8 38.8

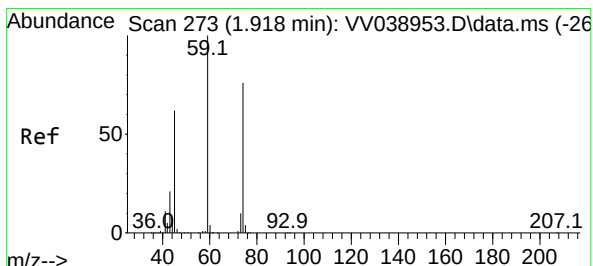
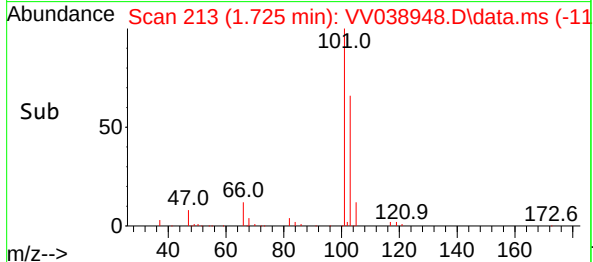
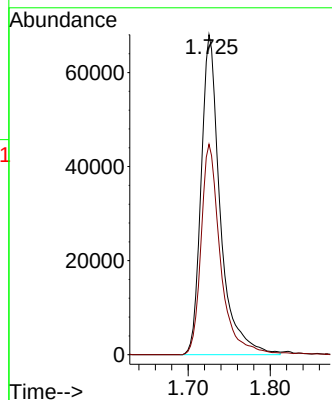
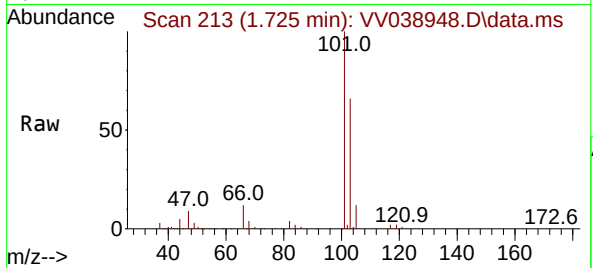




#7
 Trichlorofluoromethane
 Concen: 10.281 ug/l
 RT: 1.725 min Scan# 212
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

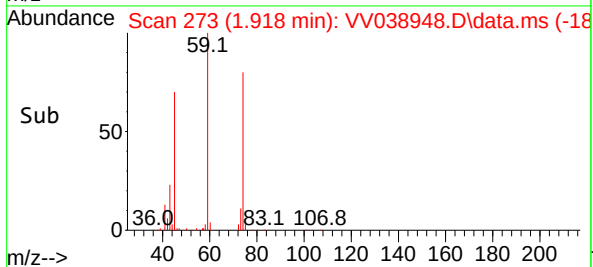
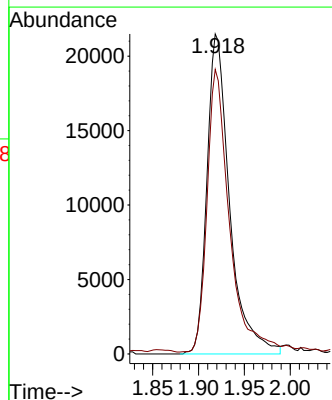
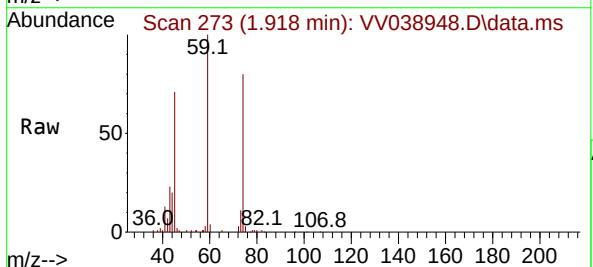
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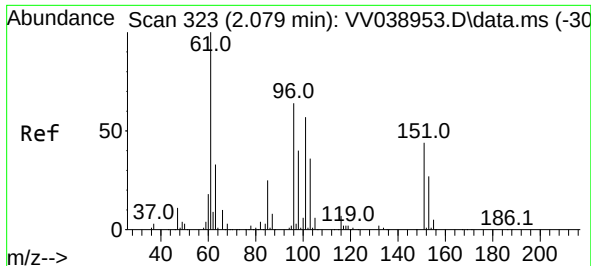
Tgt Ion:101 Resp: 109928
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.0 76.4



#8
 Diethyl Ether
 Concen: 11.034 ug/l
 RT: 1.918 min Scan# 273
 Delta R.T. 0.000 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion: 74 Resp: 36995
 Ion Ratio Lower Upper
 74 100
 45 86.4 39.5 118.3

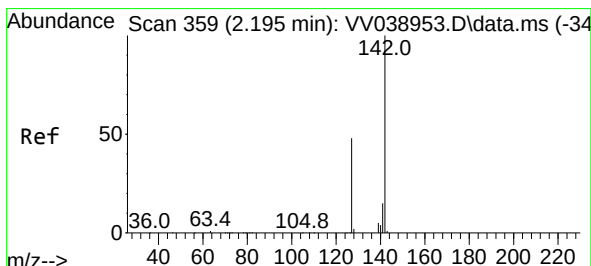
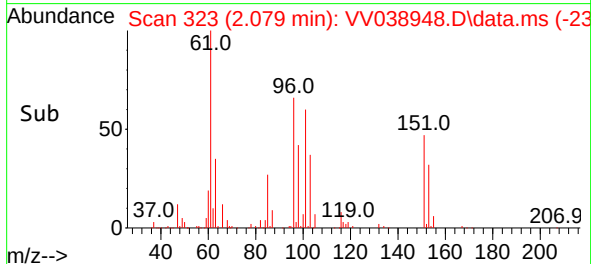
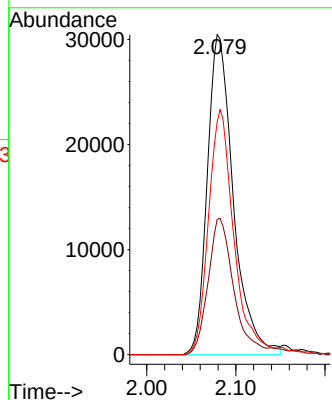
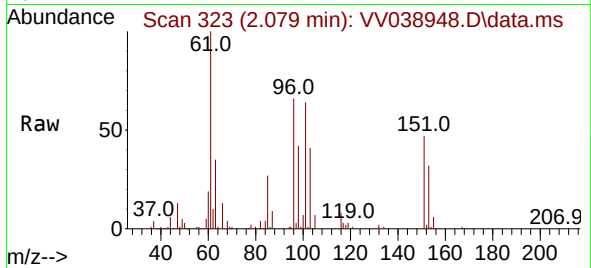




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.592 ug/l
RT: 2.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV038948.D
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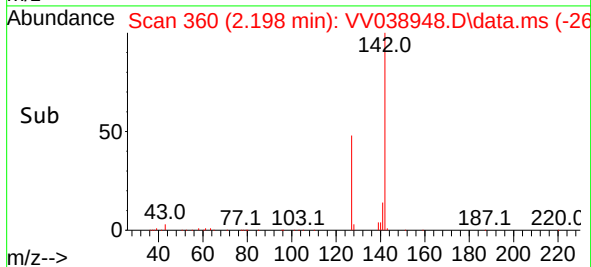
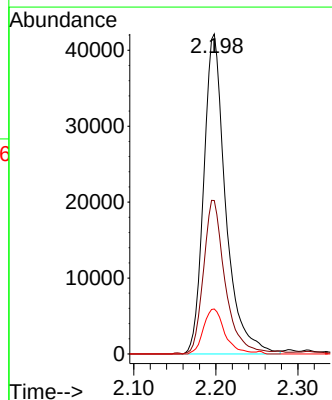
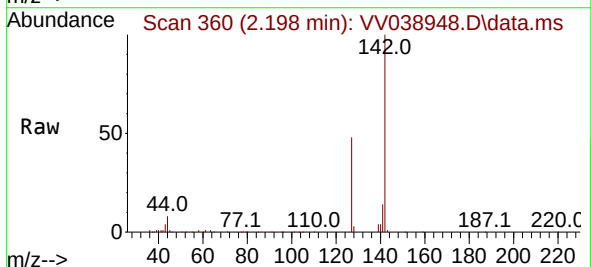
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ClientSampleId :
VSTDIC010

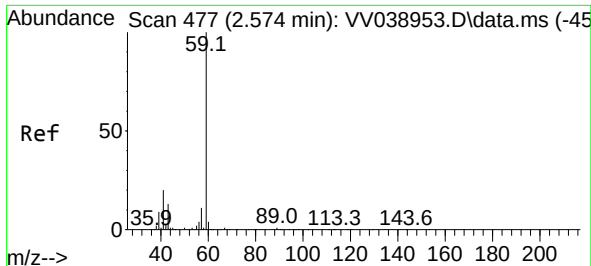
Tgt Ion:101 Resp: 61874
Ion Ratio Lower Upper
101 100
85 43.0 34.7 52.1
151 74.3 60.4 90.6



#10
Methyl Iodide
Concen: 9.879 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:142 Resp: 78196
Ion Ratio Lower Upper
142 100
127 47.4 37.7 56.5
141 13.6 11.4 17.2

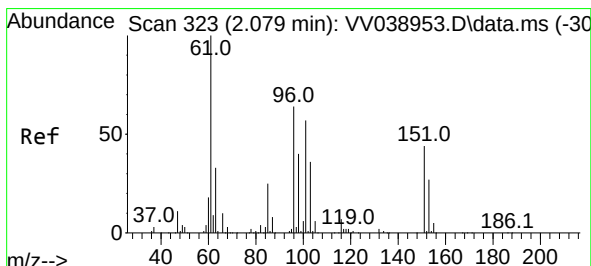
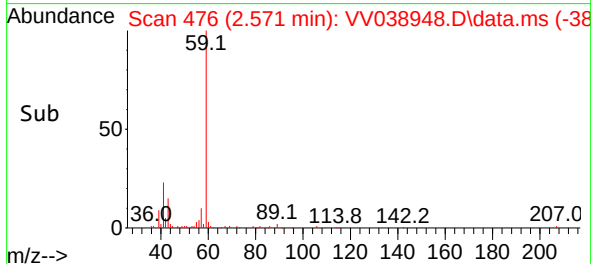
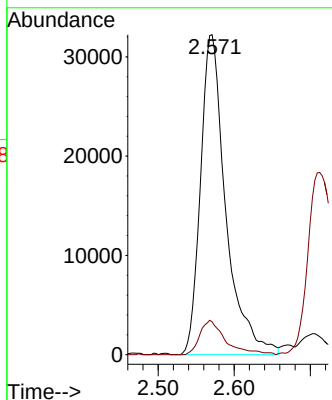
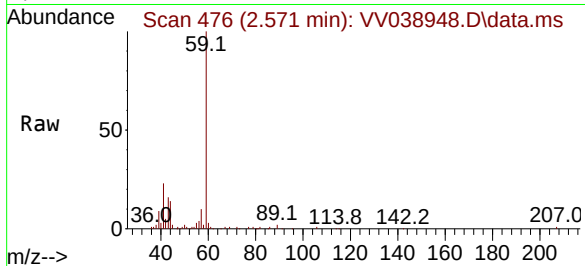




#11
Tert butyl alcohol
Concen: 52.702 ug/l
RT: 2.571 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

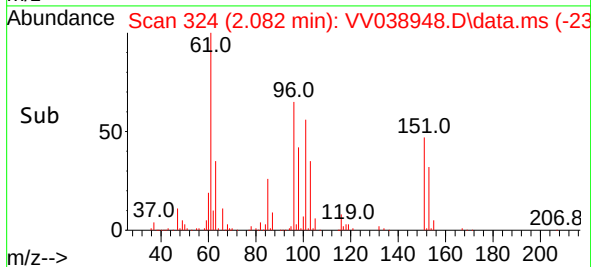
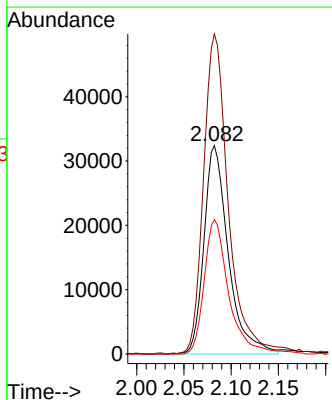
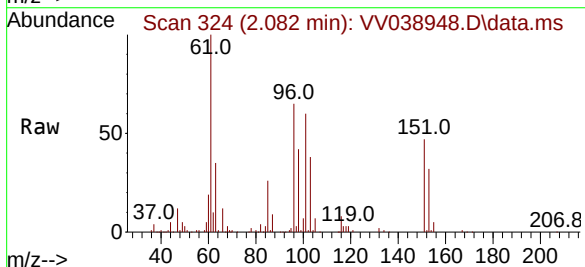
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

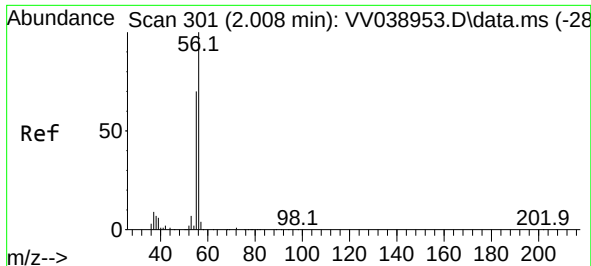
Tgt Ion: 59 Resp: 74477
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8



#12
1,1-Dichloroethene
Concen: 10.033 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 96 Resp: 58105
Ion Ratio Lower Upper
96 100
61 153.2 125.0 187.4
98 64.5 49.8 74.8

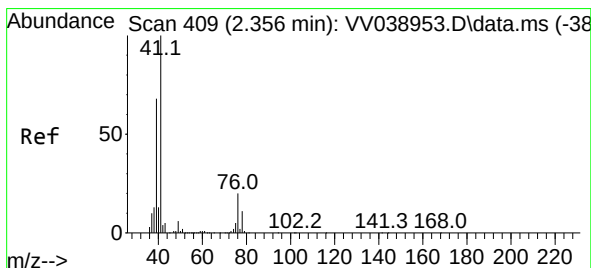
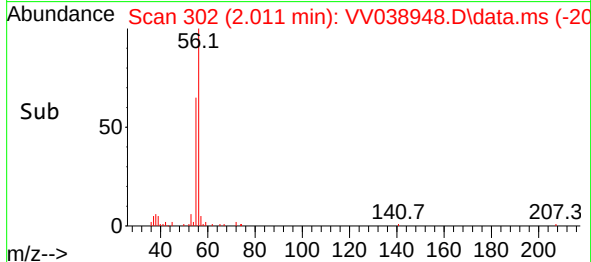
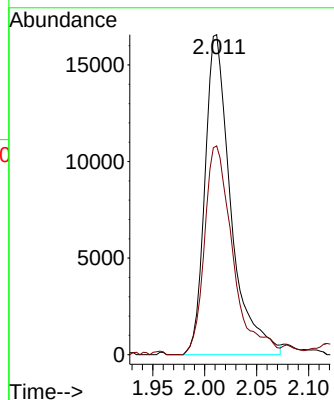
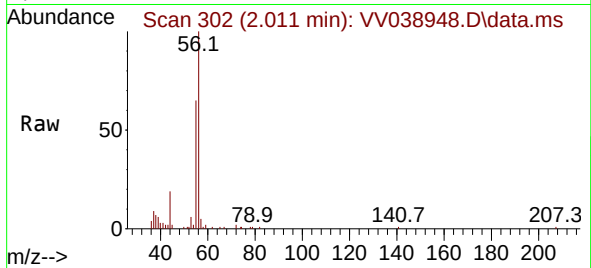




#13
Acrolein
Concen: 42.951 ug/l
RT: 2.011 min Scan# 301
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

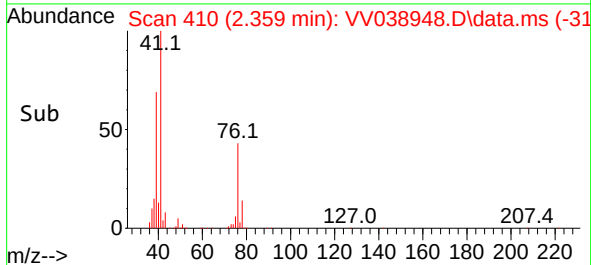
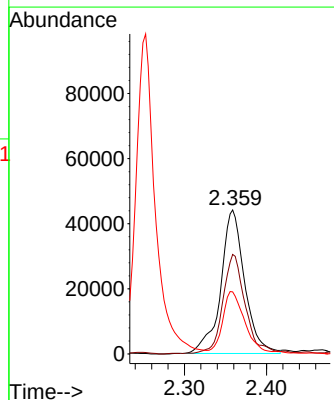
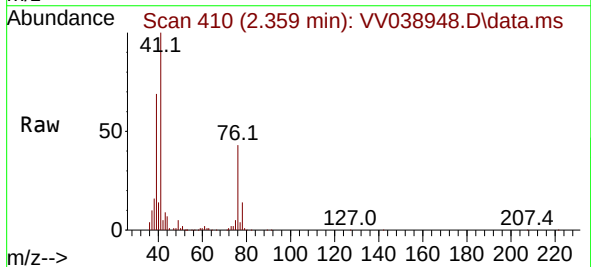
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

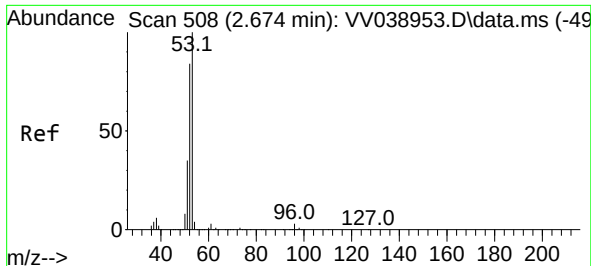
Tgt Ion: 56 Resp: 28785
Ion Ratio Lower Upper
56 100
55 71.1 55.5 83.3



#14
Allyl chloride
Concen: 8.952 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 41 Resp: 89749
Ion Ratio Lower Upper
41 100
39 63.5 49.8 74.6
76 37.2 29.4 44.2

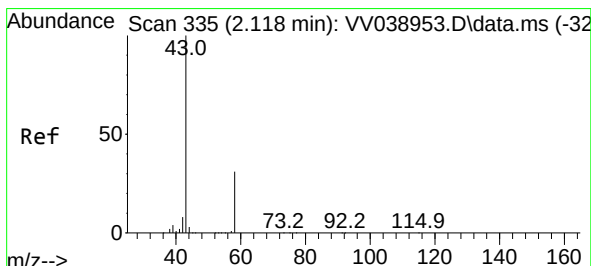
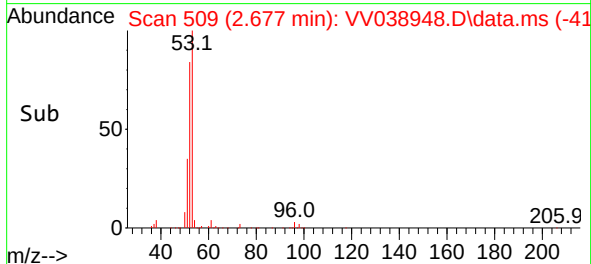
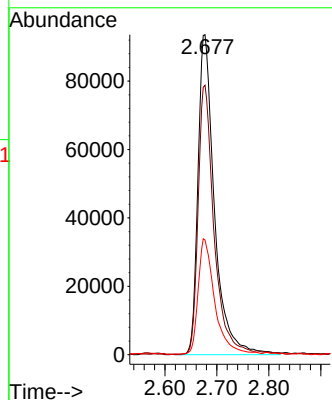
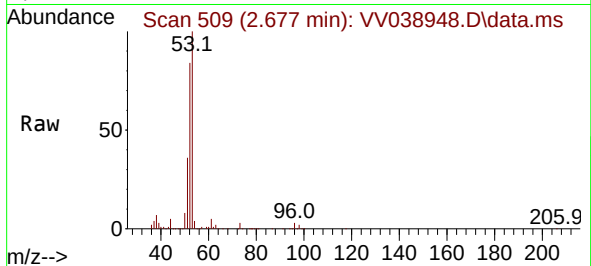




#15
Acrylonitrile
Concen: 52.117 ug/l
RT: 2.677 min Scan# 508
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

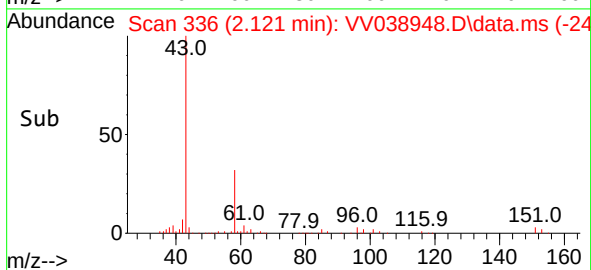
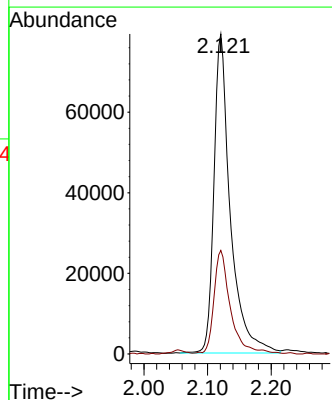
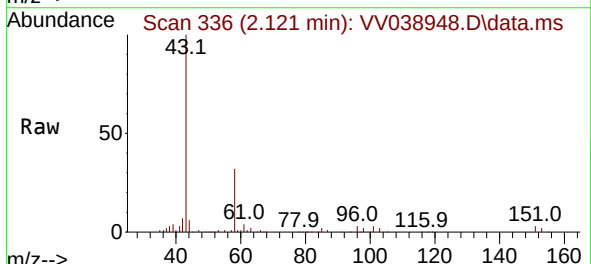
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

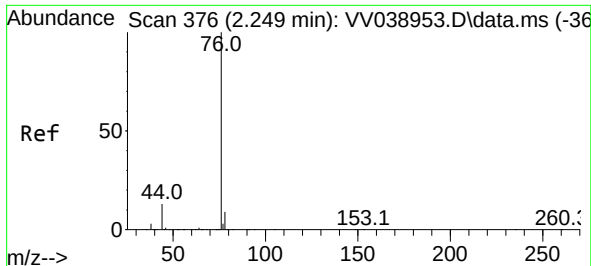
Tgt Ion: 53 Resp: 206667
Ion Ratio Lower Upper
53 100
52 80.7 66.6 99.8
51 36.3 28.5 42.7



#16
Acetone
Concen: 48.248 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 141369
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9

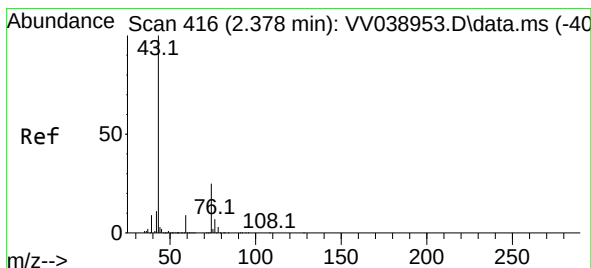
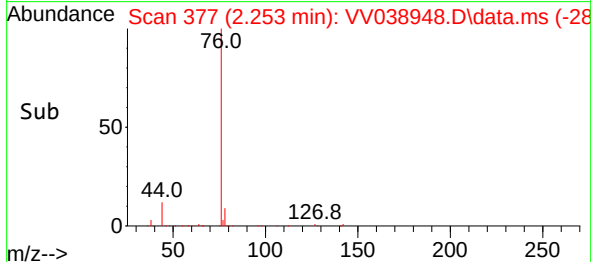
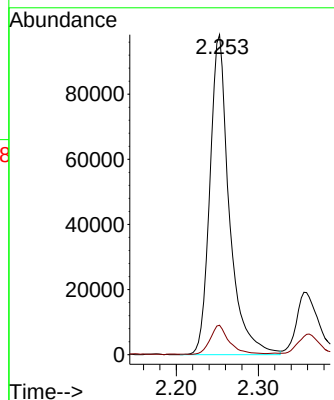
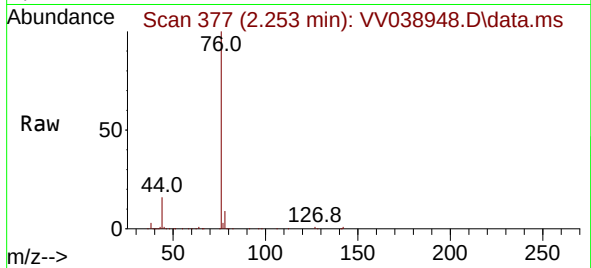




#17
Carbon Disulfide
Concen: 8.917 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

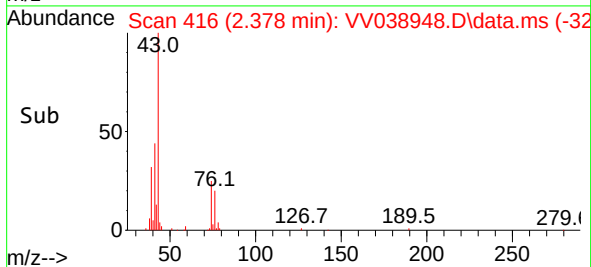
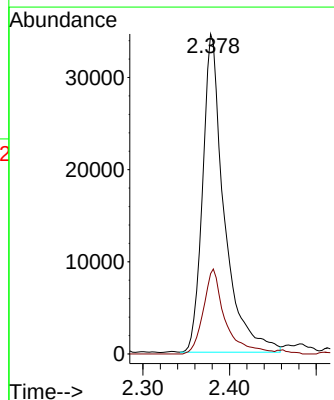
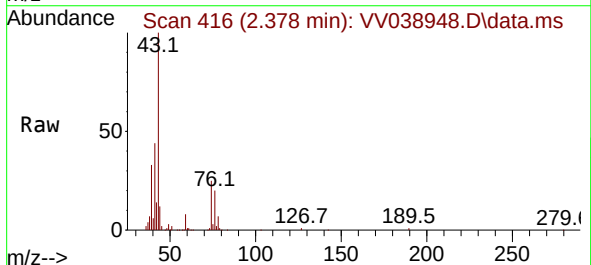
Instrument :
MSVOA_V
ClientSampleId :
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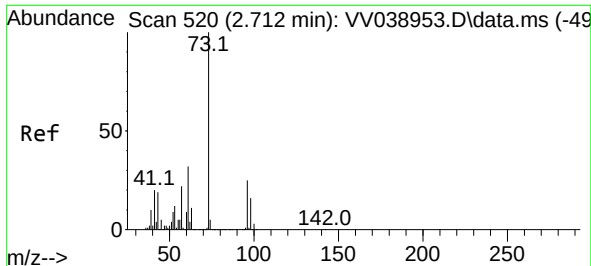
Tgt Ion: 76 Resp: 161337
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 7.856 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 59752
Ion Ratio Lower Upper
43 100
74 27.0 20.3 30.5

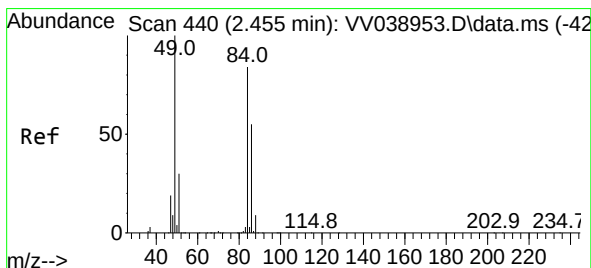
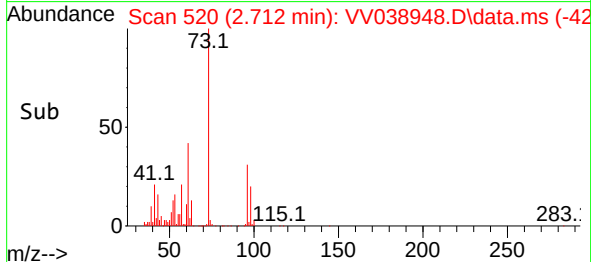
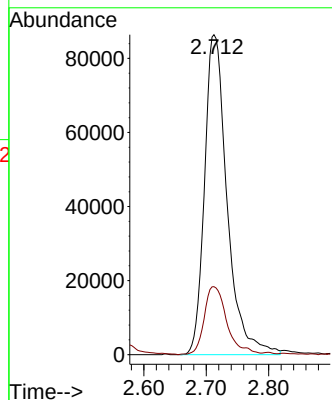
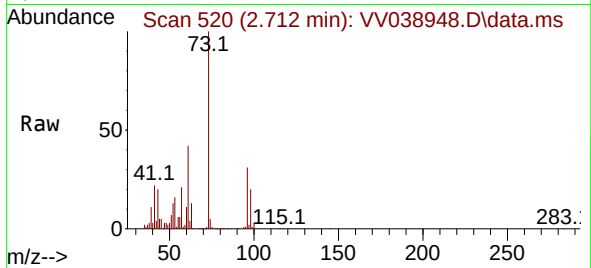




#19
Methyl tert-butyl Ether
Concen: 10.370 ug/l
RT: 2.712 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

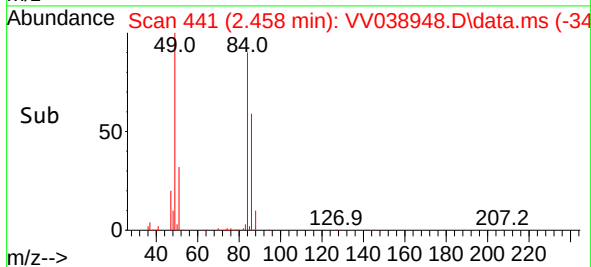
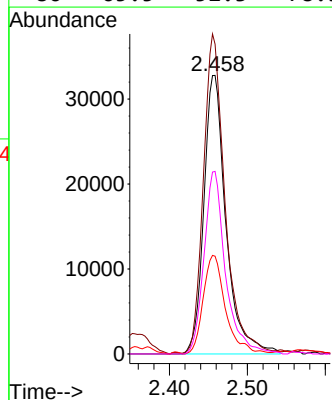
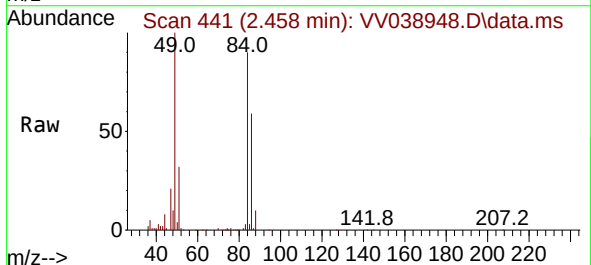
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

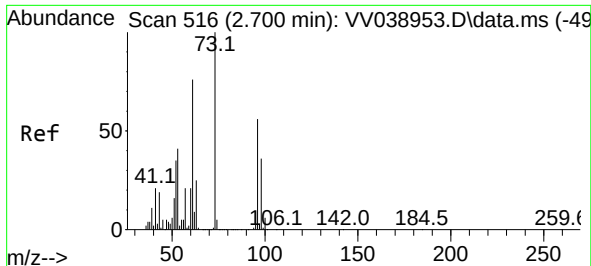
Tgt Ion: 73 Resp: 217833
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0



#20
Methylene Chloride
Concen: 9.171 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 84 Resp: 64872
Ion Ratio Lower Upper
84 100
49 110.9 95.8 143.6
51 34.7 29.0 43.4
86 65.5 52.3 78.5

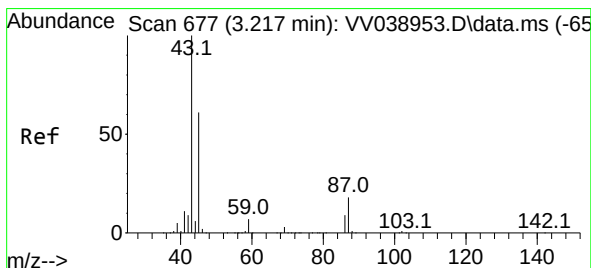
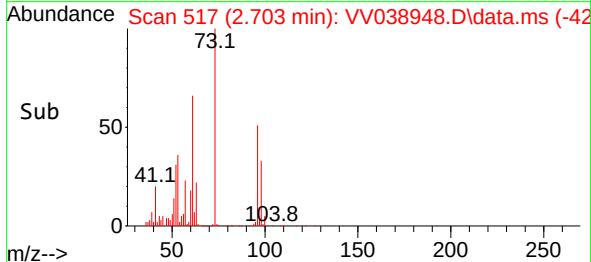
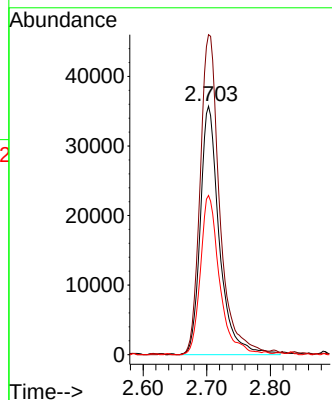
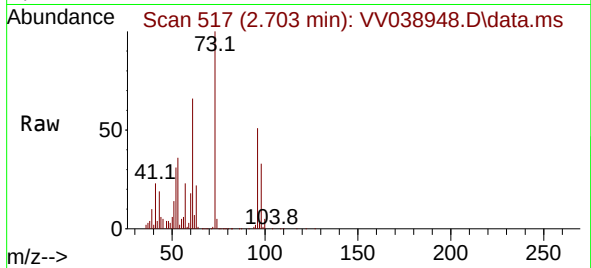




#21
trans-1,2-Dichloroethene
Concen: 10.456 ug/l
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

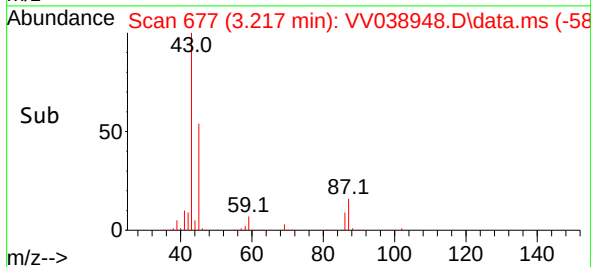
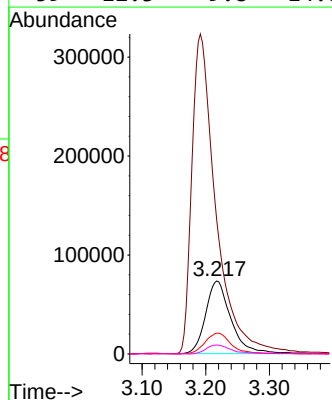
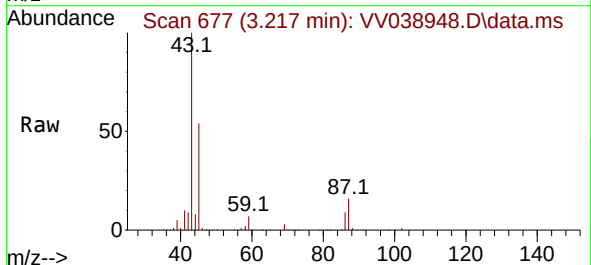
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

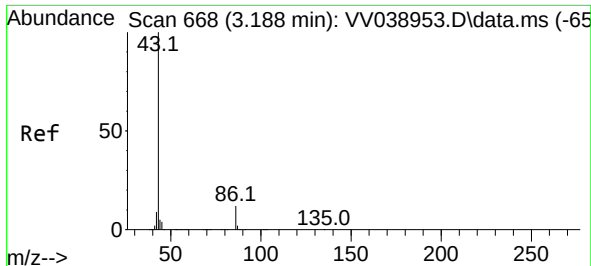
Tgt Ion: 96 Resp: 74234
Ion Ratio Lower Upper
96 100
61 128.8 108.2 162.4
98 64.1 51.7 77.5



#22
Diisopropyl ether
Concen: 10.510 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 45 Resp: 200501
Ion Ratio Lower Upper
45 100
43 182.3 132.2 198.2
87 28.8 24.1 36.1
59 12.3 9.8 14.8

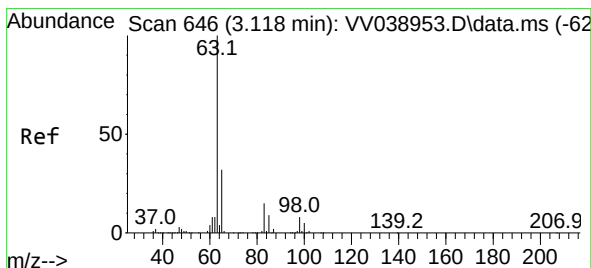
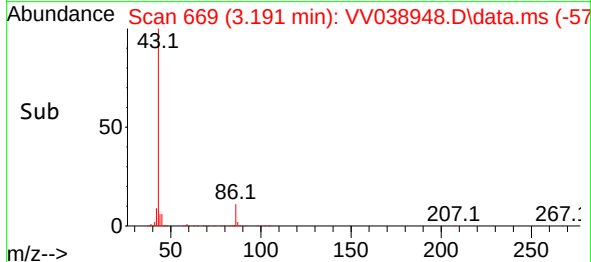
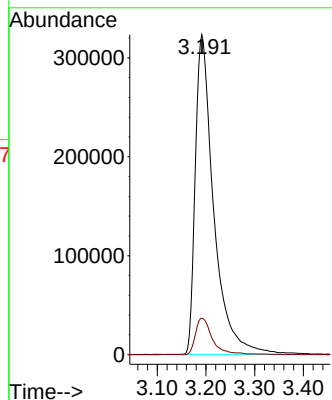
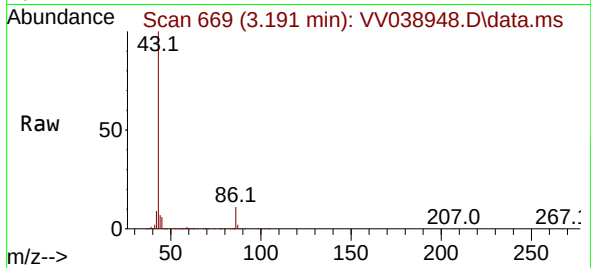




#23
 Vinyl Acetate
 Concen: 52.923 ug/l
 RT: 3.191 min Scan# 669
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

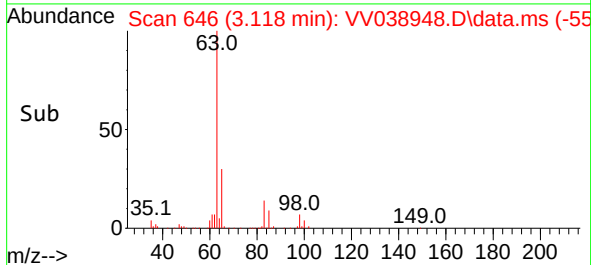
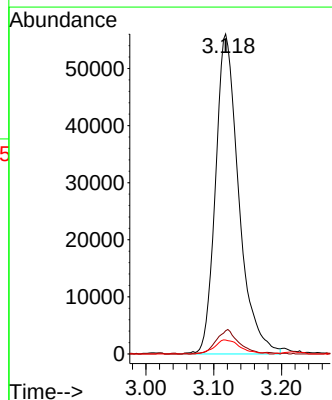
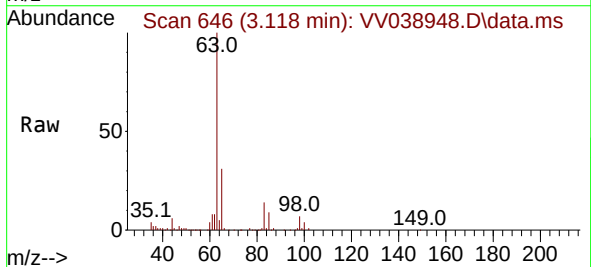
Instrument :
 MSVOA_V
 ClientSampleId :
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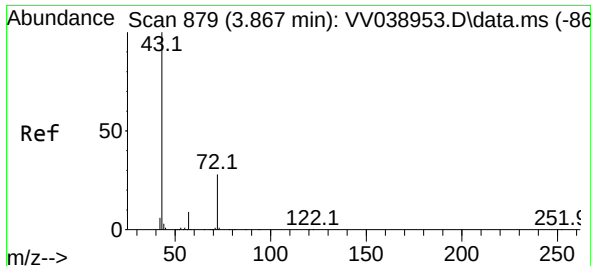
Tgt Ion: 43 Resp: 847971
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.3 13.9



#24
 1,1-Dichloroethane
 Concen: 11.182 ug/l
 RT: 3.118 min Scan# 646
 Delta R.T. 0.000 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion: 63 Resp: 133488
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.4
 100 4.3 2.6 7.8

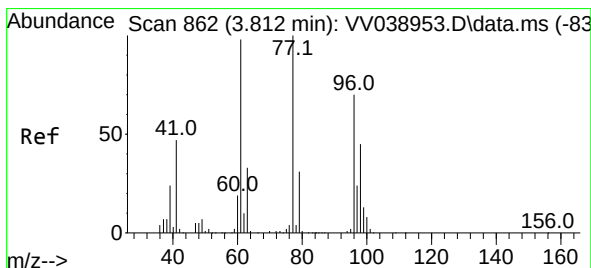
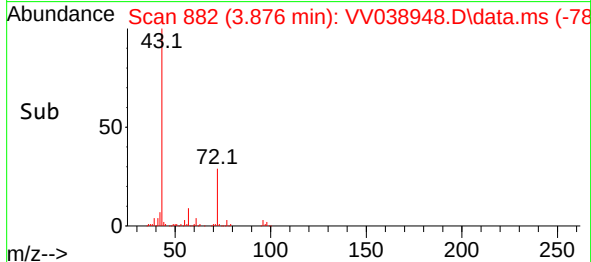
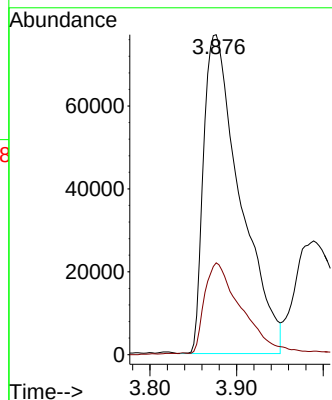
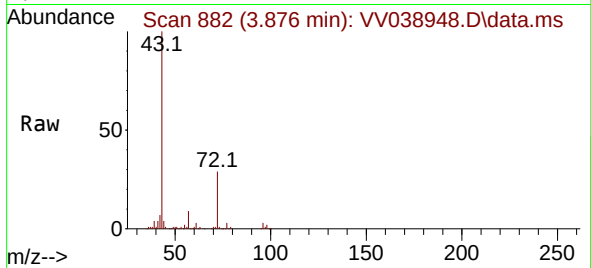




#25
2-Butanone
Concen: 51.749 ug/l
RT: 3.876 min Scan# 882
Delta R.T. 0.010 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

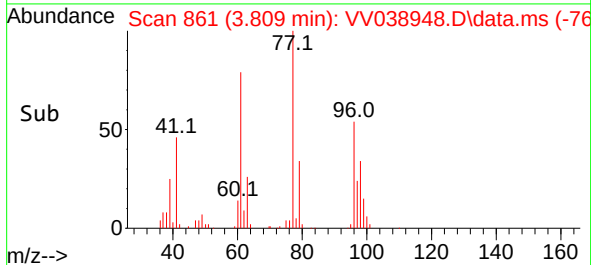
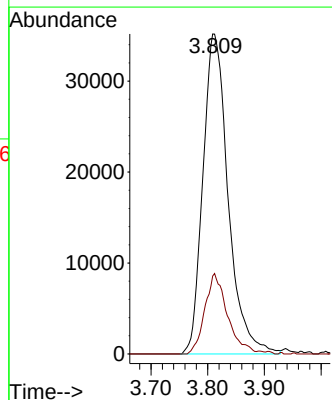
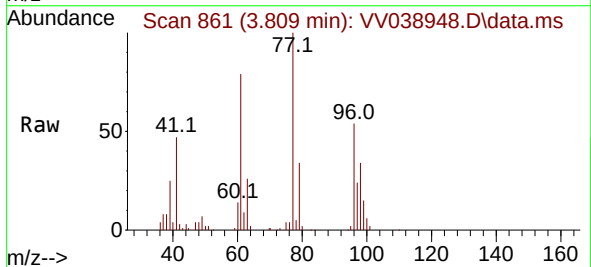
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

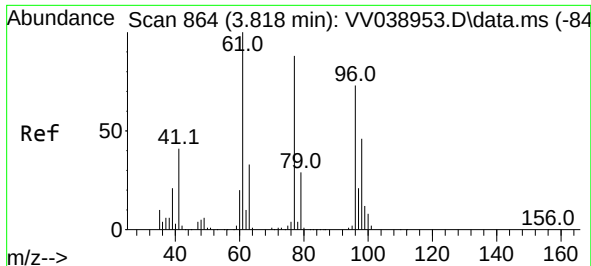
Tgt Ion: 43 Resp: 226455
Ion Ratio Lower Upper
43 100
72 28.3 22.5 33.7



#26
2,2-Dichloropropane
Concen: 10.403 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 77 Resp: 108943
Ion Ratio Lower Upper
77 100
97 22.4 11.7 35.1

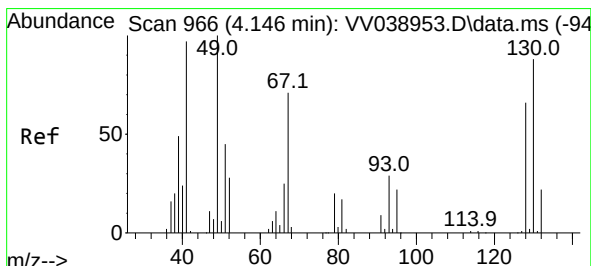
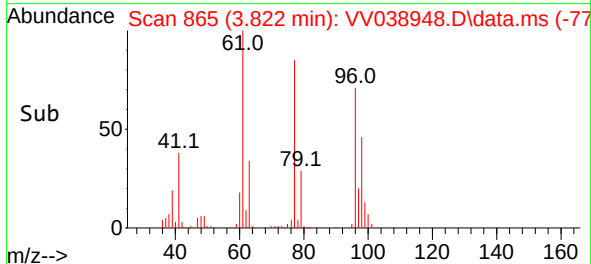
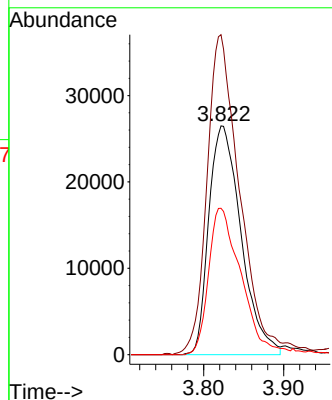
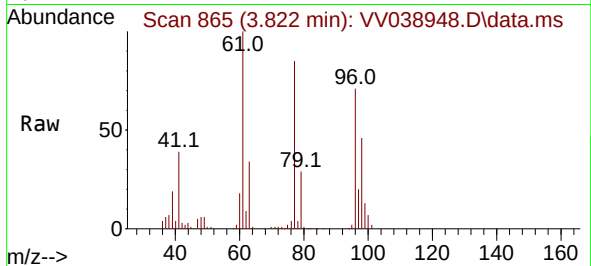




#27
 cis-1,2-Dichloroethene
 Concen: 10.145 ug/l
 RT: 3.822 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

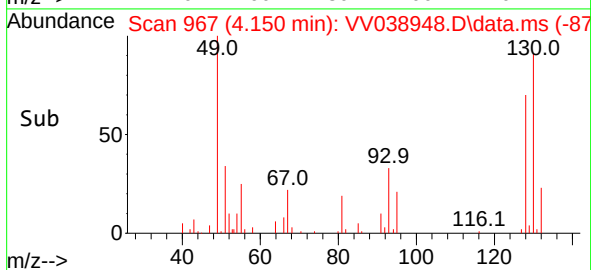
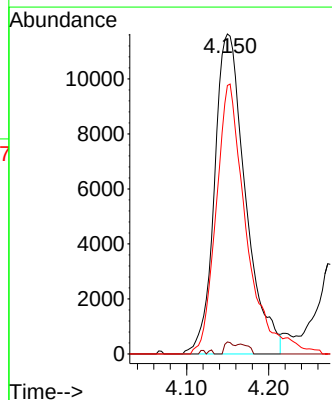
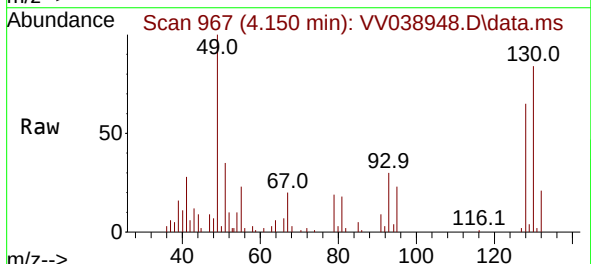
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

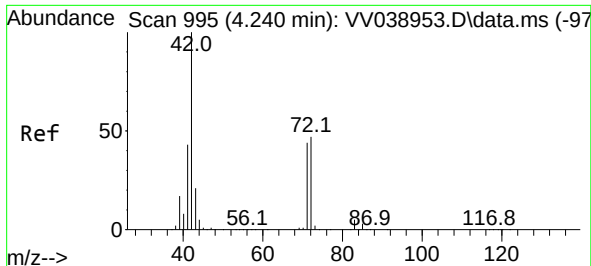
Tgt Ion: 96 Resp: 74294
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 280.2
 98 64.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 9.356 ug/l
 RT: 4.150 min Scan# 967
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion: 49 Resp: 30535
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.8
 130 82.5 68.2 102.2

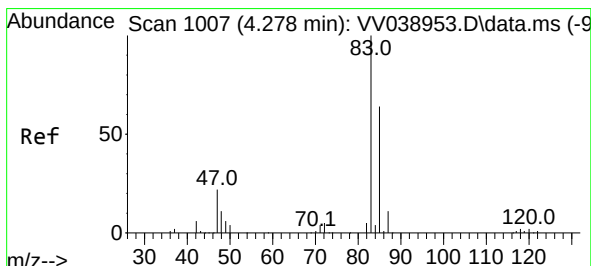
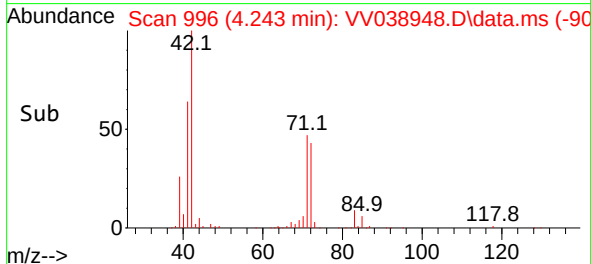
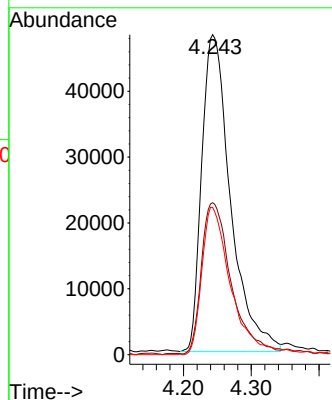
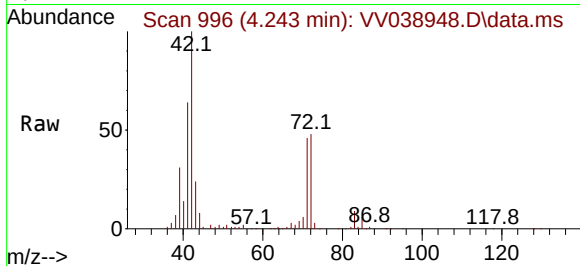




#29
Tetrahydrofuran
Concen: 50.457 ug/l
RT: 4.243 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

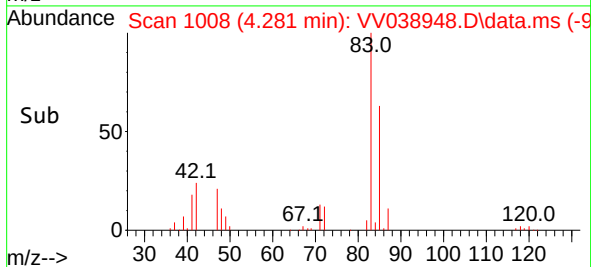
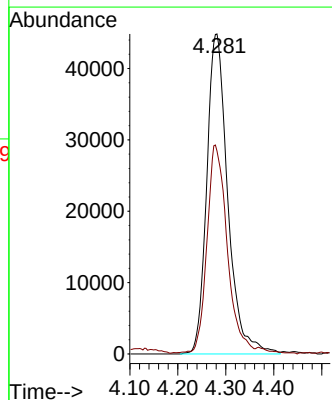
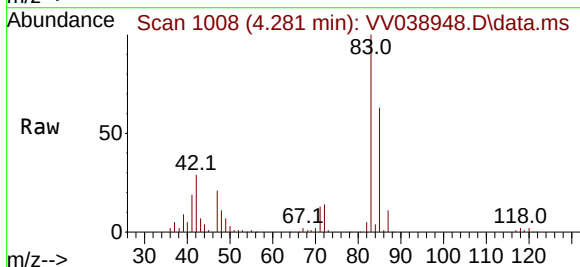
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

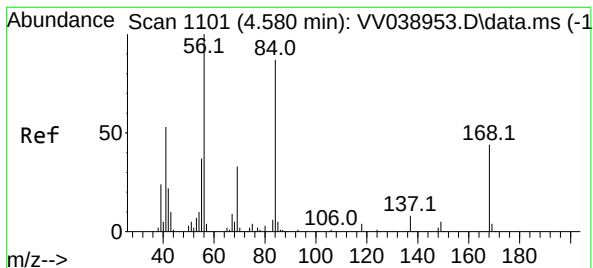
Tgt Ion: 42 Resp: 142225
Ion Ratio Lower Upper
42 100
72 49.0 39.4 59.2
71 47.1 36.8 55.2



#30
Chloroform
Concen: 10.697 ug/l
RT: 4.281 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 83 Resp: 136463
Ion Ratio Lower Upper
83 100
85 62.9 51.4 77.0





#31

Cyclohexane

Concen: 10.436 ug/l

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

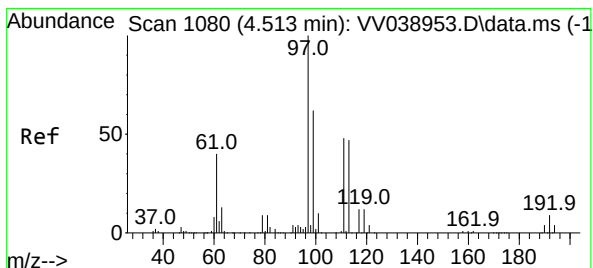
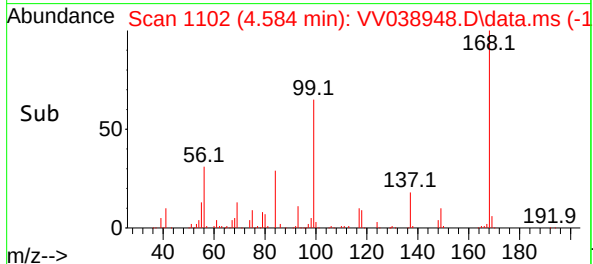
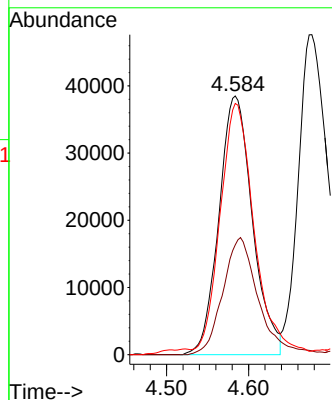
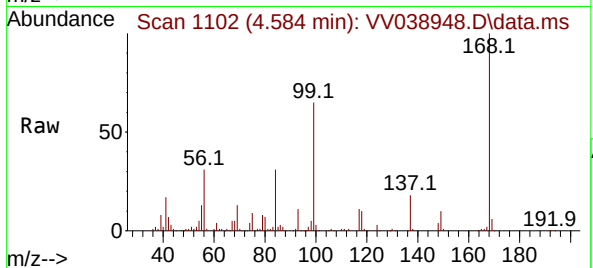
Tgt Ion: 56 Resp: 109304

Ion Ratio Lower Upper

56 100

69 42.4 26.2 39.4#

84 95.1 69.8 104.6



#32

1,1,1-Trichloroethane

Concen: 10.286 ug/l

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

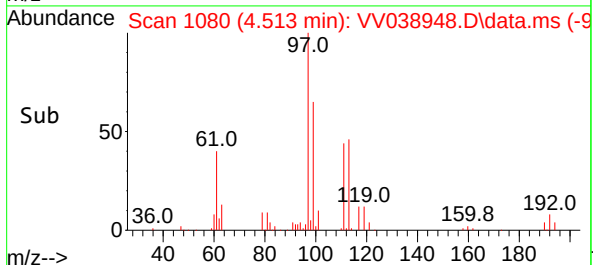
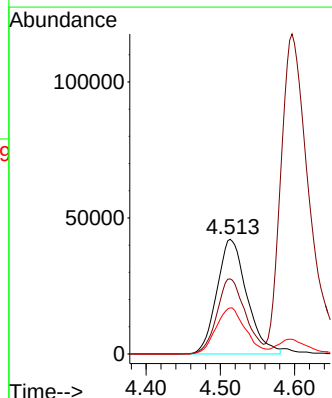
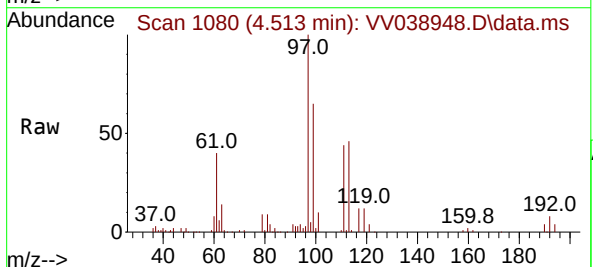
Tgt Ion: 97 Resp: 118295

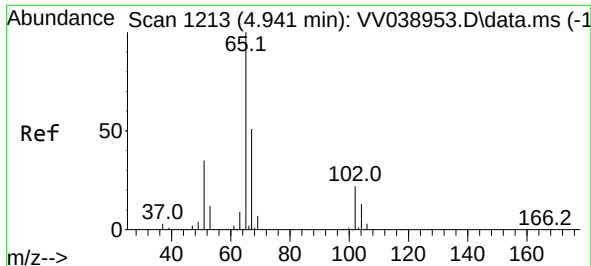
Ion Ratio Lower Upper

97 100

99 62.0 49.2 73.8

61 39.7 32.0 48.0





#33

1,2-Dichloroethane-d4

Concen: 9.751 ug/l

RT: 4.947 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

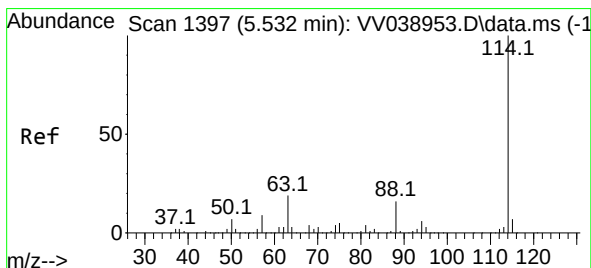
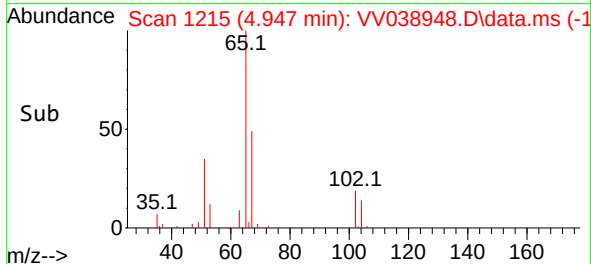
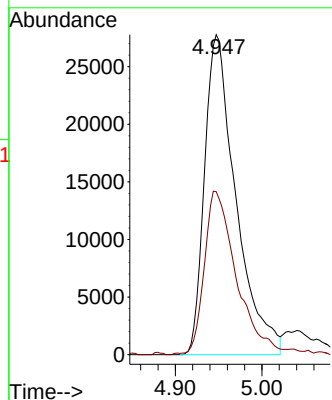
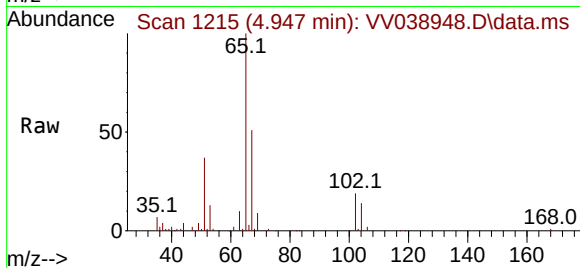
VSTDIC010

Tgt Ion: 65 Resp: 69799

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

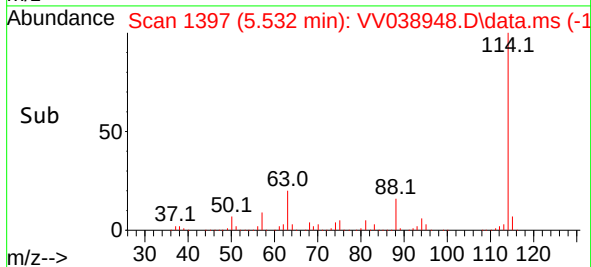
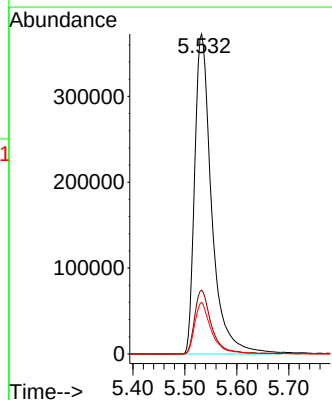
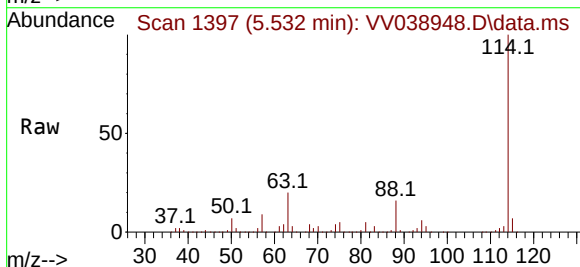
Tgt Ion: 114 Resp: 845724

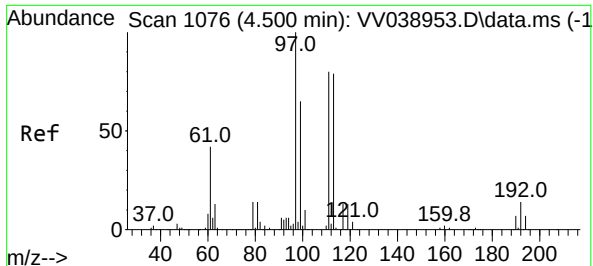
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 9.818 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

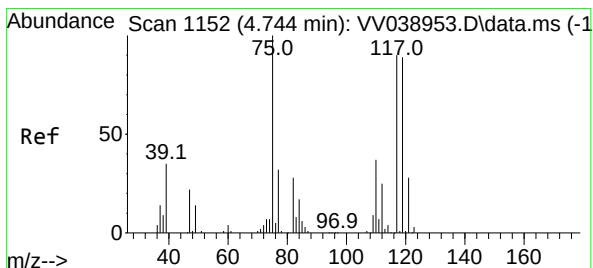
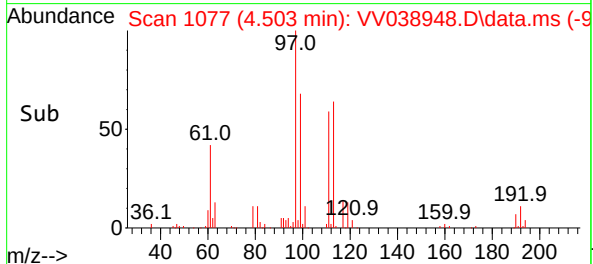
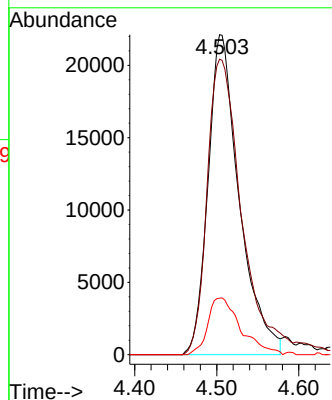
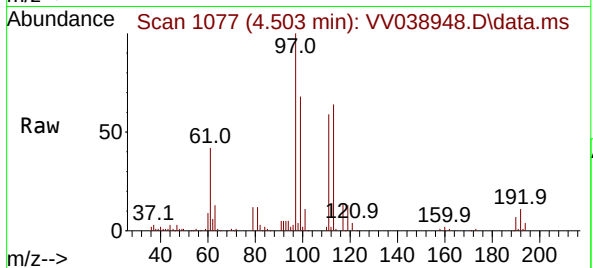
Tgt Ion:113 Resp: 58492

Ion Ratio Lower Upper

113 100

111 101.5 83.4 125.2

192 18.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 10.390 ug/l

RT: 4.751 min Scan# 1154

Delta R.T. 0.006 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

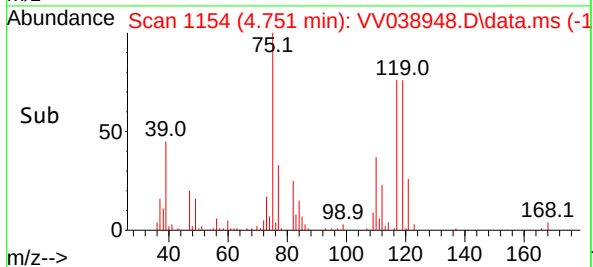
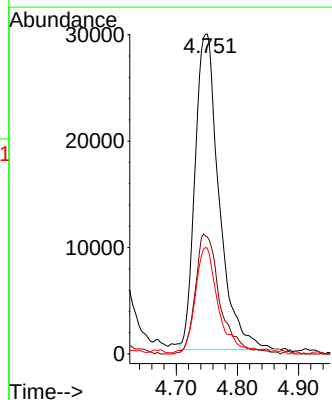
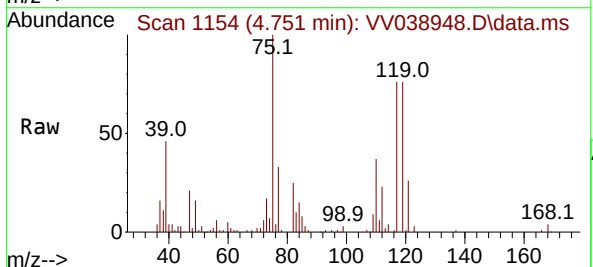
Tgt Ion: 75 Resp: 81416

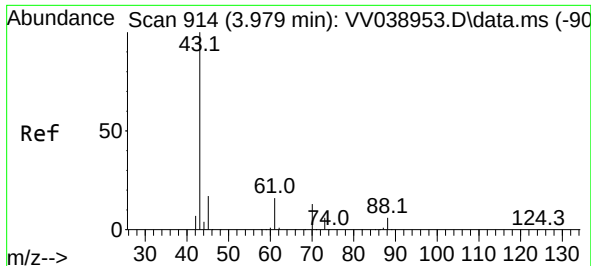
Ion Ratio Lower Upper

75 100

110 38.3 18.3 54.8

77 31.2 25.0 37.4

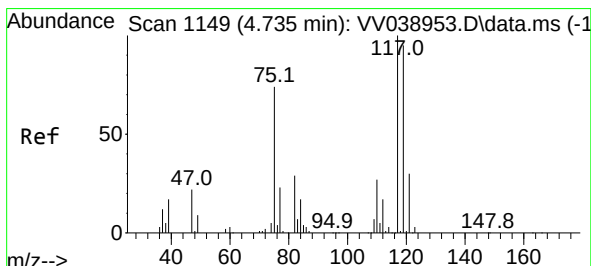
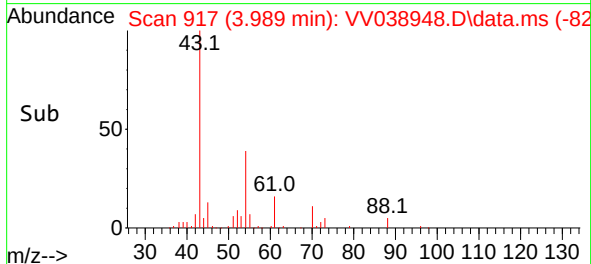
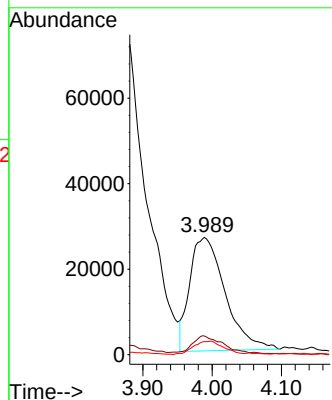
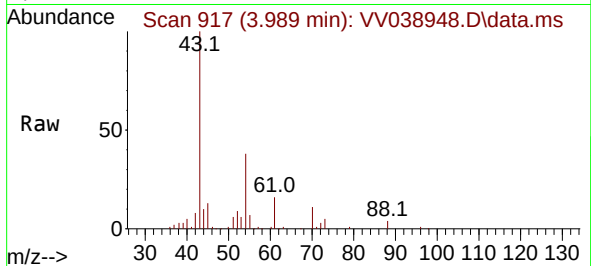




#37
Ethyl Acetate
Concen: 10.228 ug/l
RT: 3.989 min Scan# 914
Delta R.T. 0.010 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

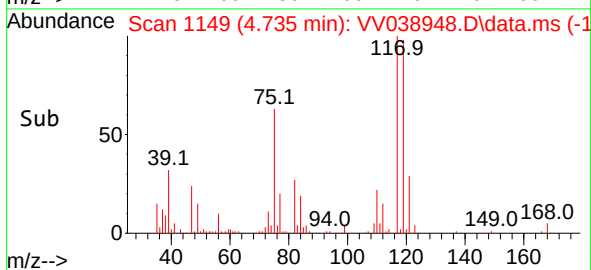
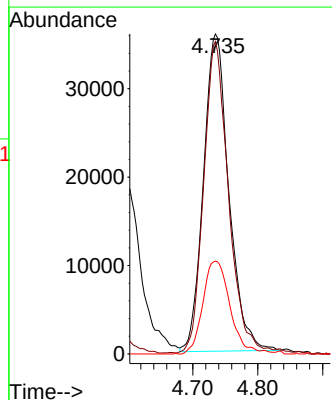
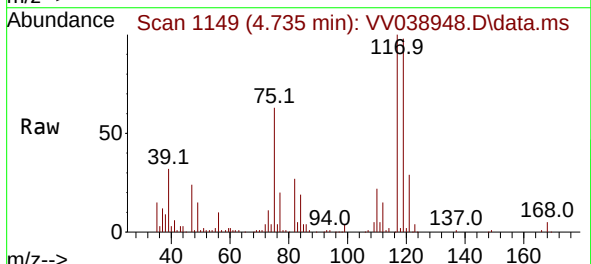
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

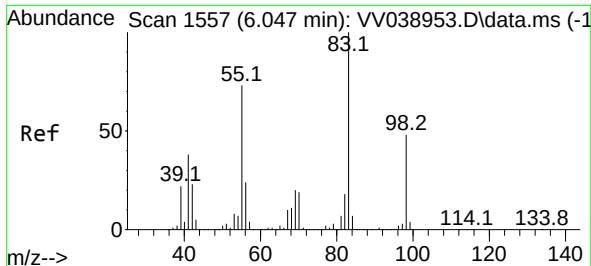
Tgt Ion: 43 Resp: 94340
Ion Ratio Lower Upper
43 100
61 12.1 11.1 16.7
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 10.579 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 117 Resp: 97728
Ion Ratio Lower Upper
117 100
119 98.1 75.4 113.0
121 29.3 23.8 35.8





#39

Methylcyclohexane

Concen: 9.854 ug/l

RT: 6.047 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

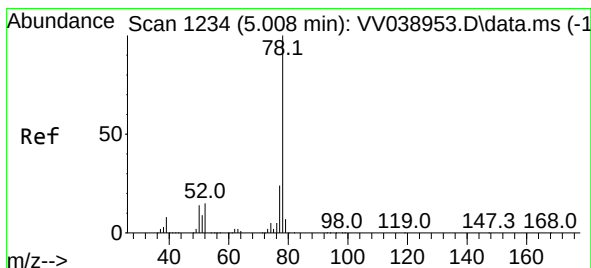
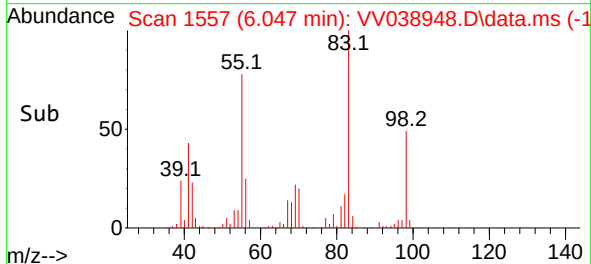
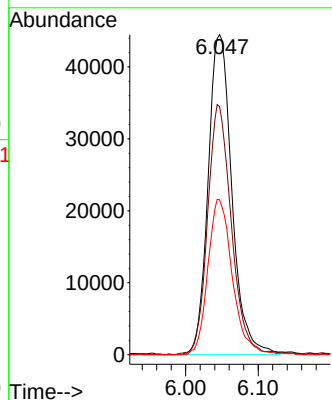
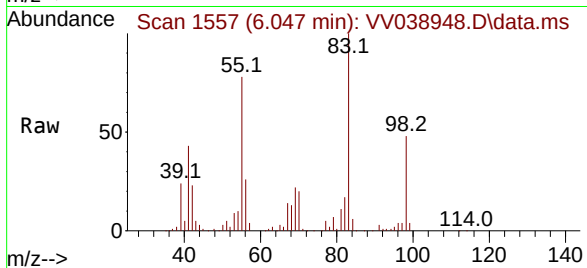
Tgt Ion: 83 Resp: 101454

Ion Ratio Lower Upper

83 100

55 77.2 58.4 87.6

98 48.4 38.6 57.8



#40

Benzene

Concen: 10.438 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV038948.D

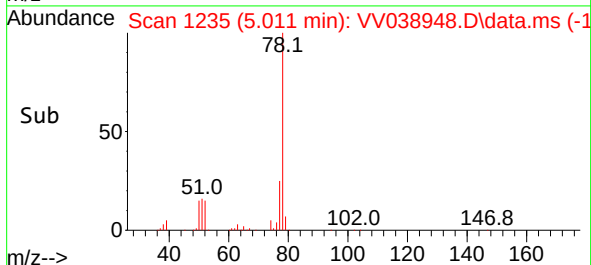
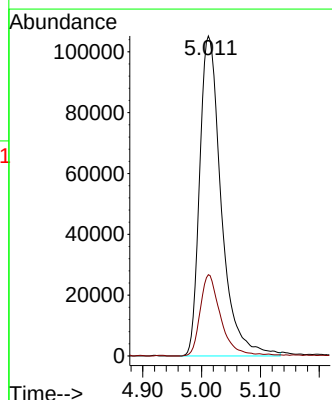
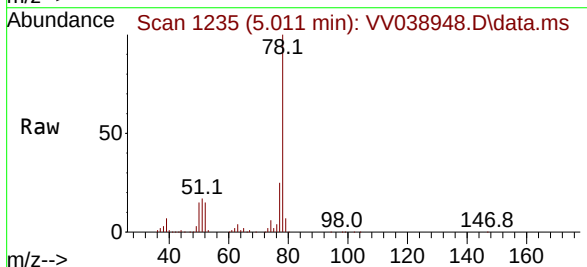
Acq: 13 Aug 2025 13:23

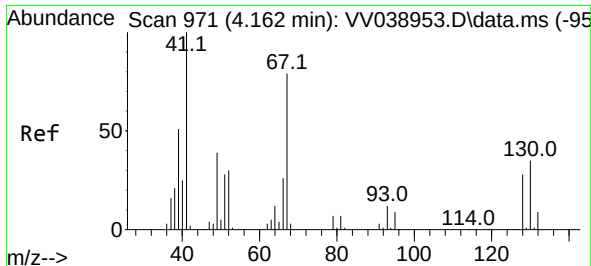
Tgt Ion: 78 Resp: 268095

Ion Ratio Lower Upper

78 100

77 25.4 18.8 28.2

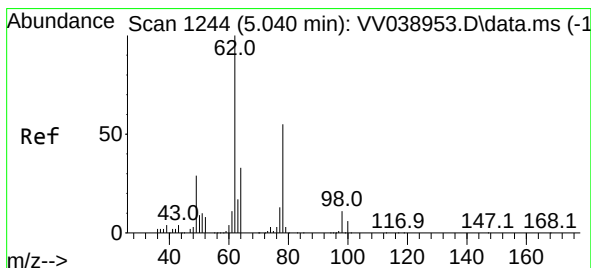
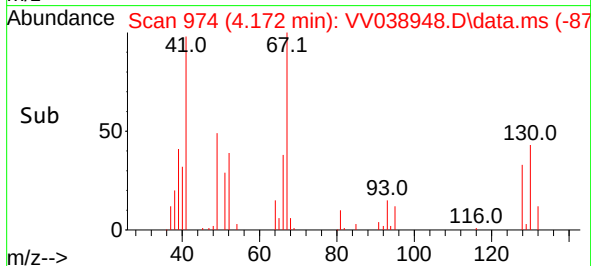
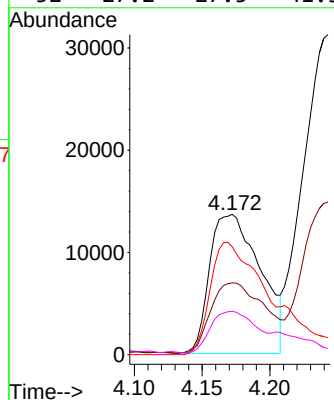
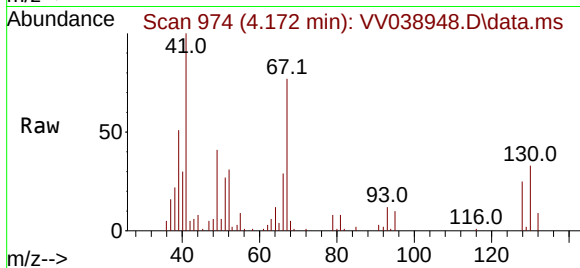




#41
Methacrylonitrile
Concen: 10.050 ug/l
RT: 4.172 min Scan# 91
Delta R.T. 0.010 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

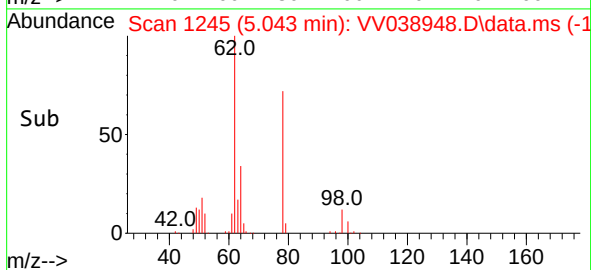
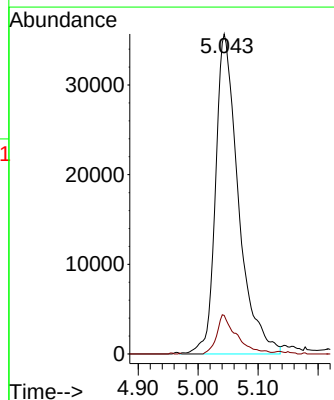
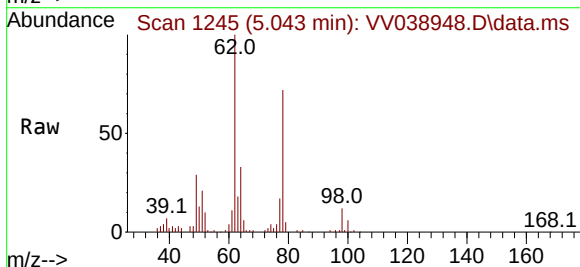
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

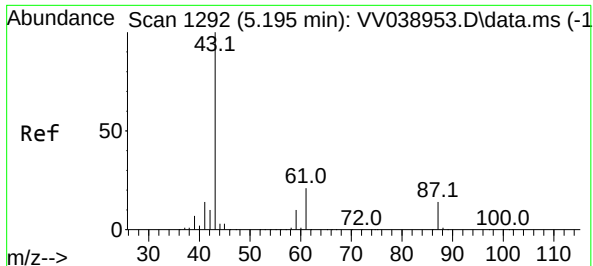
Tgt Ion: 41 Resp: 35459
Ion Ratio Lower Upper
41 100
39 54.8 41.4 62.2
67 102.1 72.0 108.0
52 27.2 27.5 41.3#



#42
1,2-Dichloroethane
Concen: 10.677 ug/l
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 62 Resp: 94432
Ion Ratio Lower Upper
62 100
98 10.7 0.0 19.8

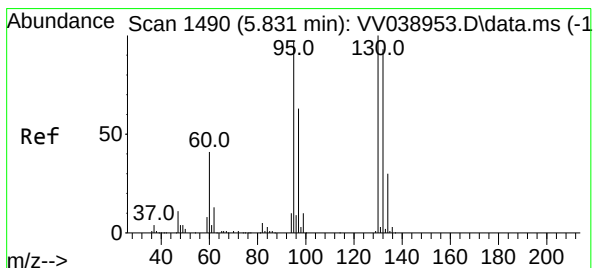
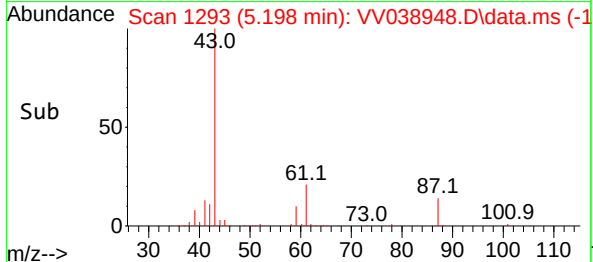
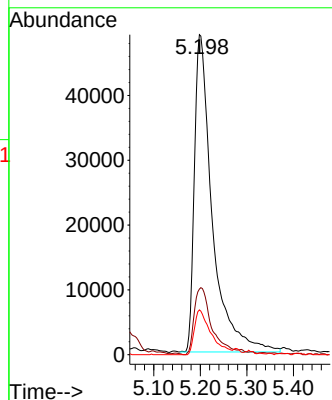
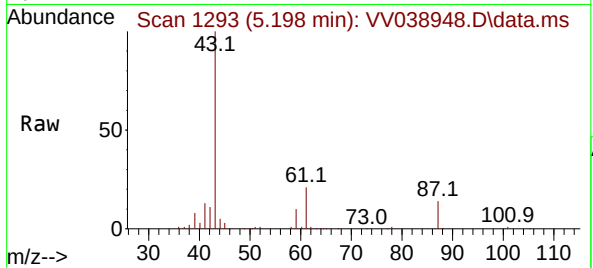




#43
Isopropyl Acetate
Concen: 10.476 ug/l
RT: 5.198 min Scan# 1292
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

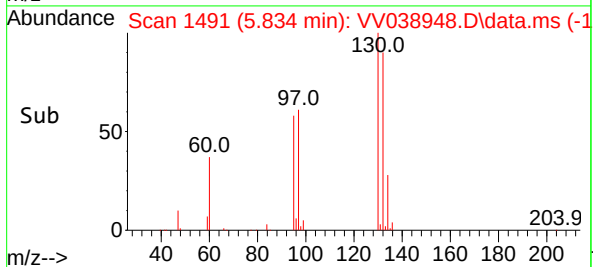
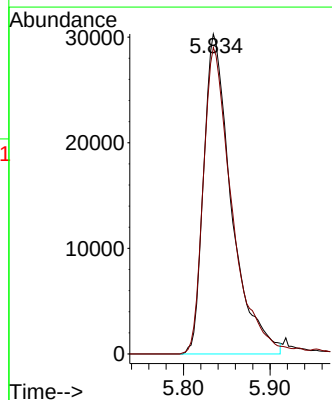
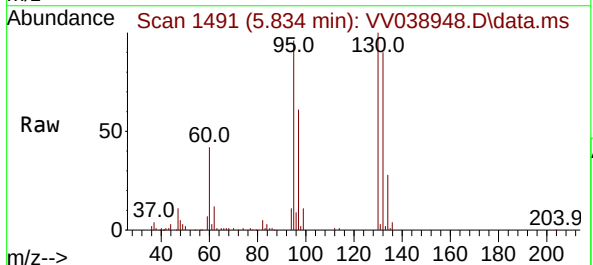
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

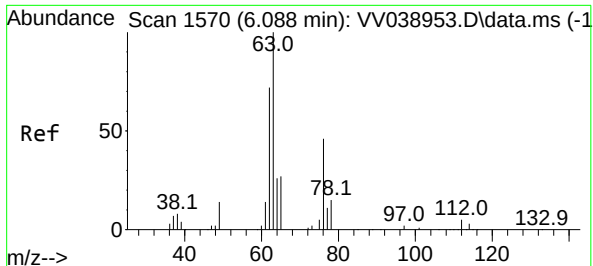
Tgt Ion: 43 Resp: 130917
Ion Ratio Lower Upper
43 100
61 20.7 17.0 25.6
87 13.1 11.3 16.9



#44
Trichloroethene
Concen: 10.122 ug/l
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:130 Resp: 67290
Ion Ratio Lower Upper
130 100
95 95.8 0.0 193.4





#45

1,2-Dichloropropane

Concen: 10.694 ug/l

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

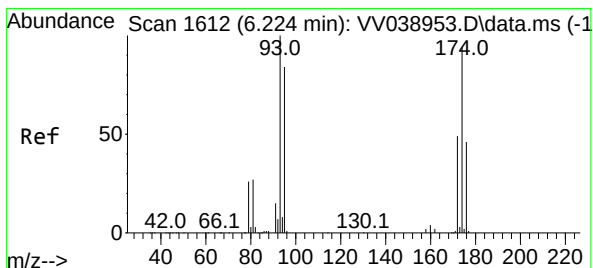
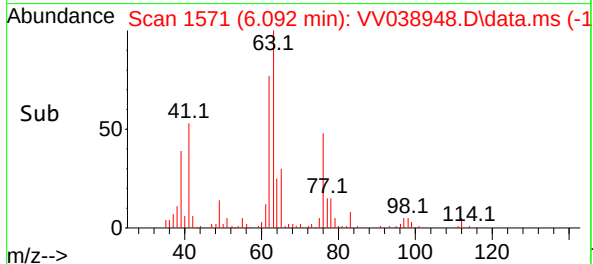
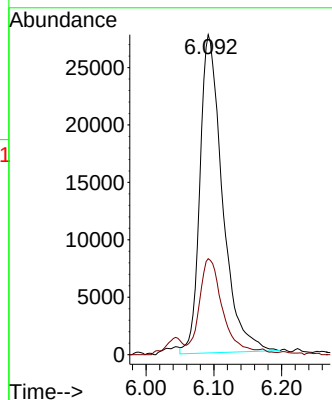
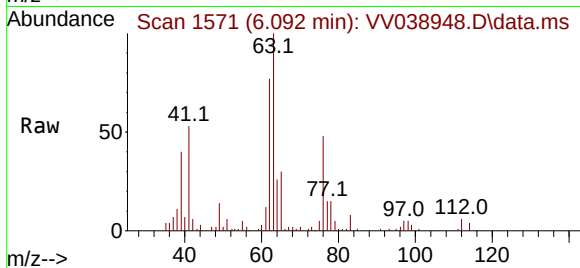
VSTDICC010

Tgt Ion: 63 Resp: 64022

Ion Ratio Lower Upper

63 100

65 29.6 23.8 35.8



#46

Dibromomethane

Concen: 10.730 ug/l

RT: 6.230 min Scan# 1614

Delta R.T. 0.006 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

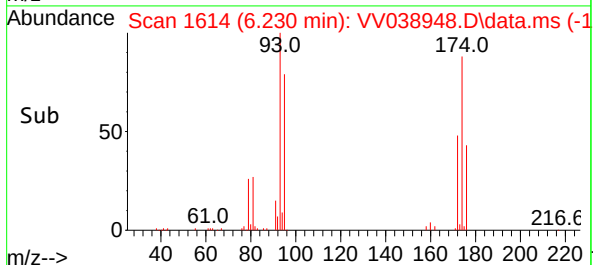
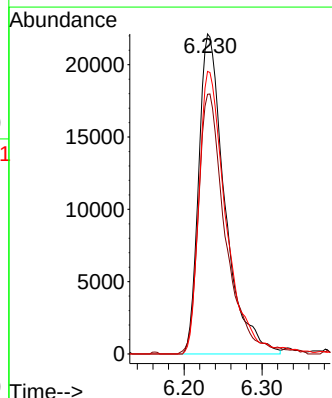
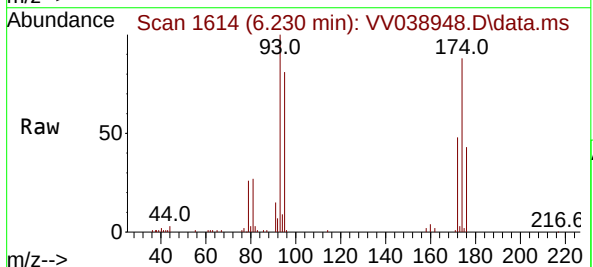
Tgt Ion: 93 Resp: 51479

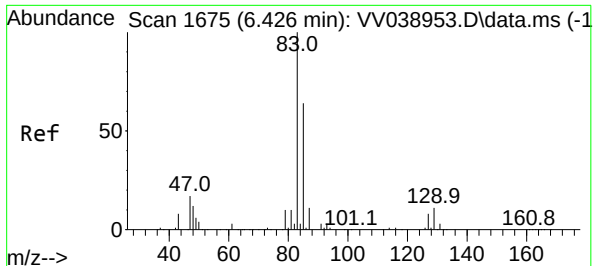
Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 90.6 75.5 113.3

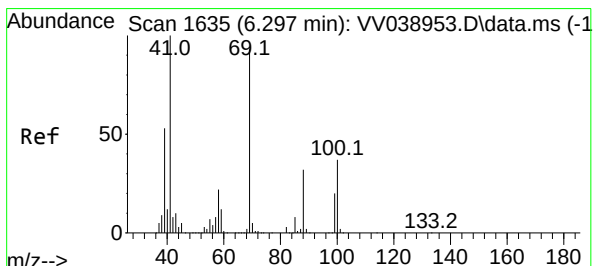
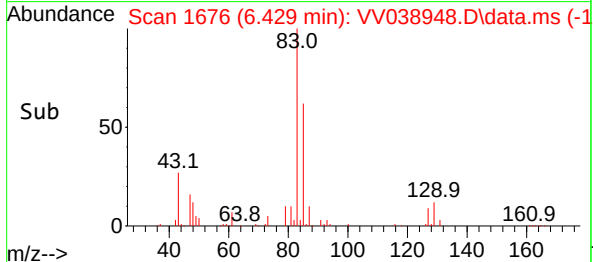
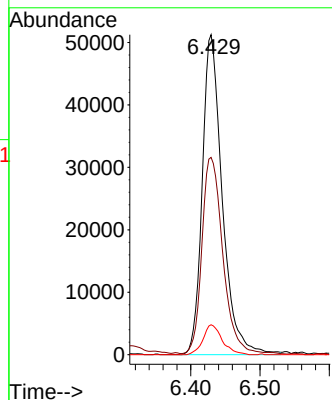
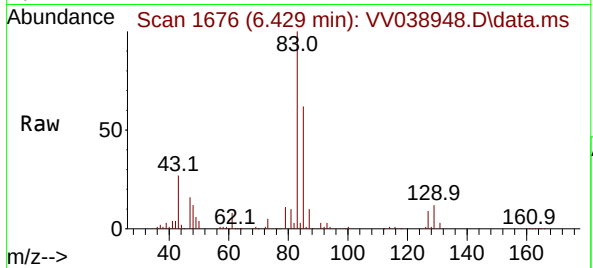




#47
Bromodichloromethane
Concen: 10.667 ug/l
RT: 6.429 min Scan# 1675
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

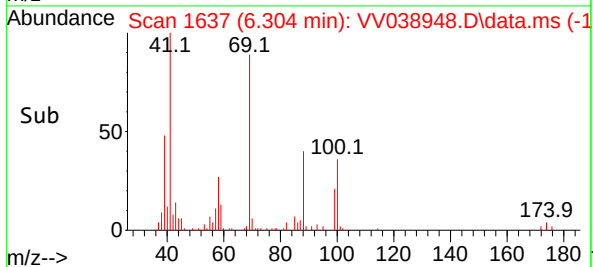
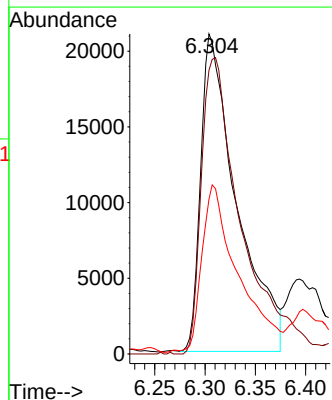
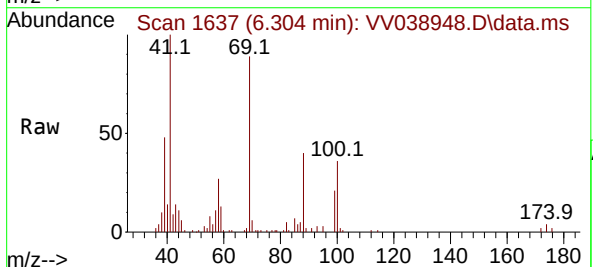
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

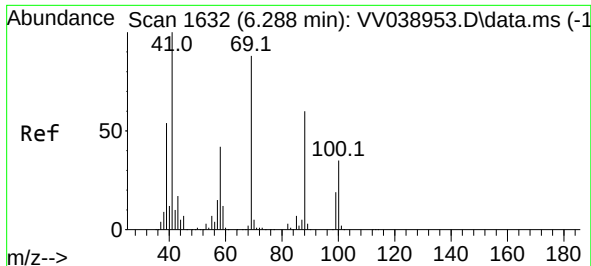
Tgt Ion: 83 Resp: 102861
Ion Ratio Lower Upper
83 100
85 61.3 51.0 76.6
127 9.4 6.7 10.1



#48
Methyl methacrylate
Concen: 9.054 ug/l
RT: 6.304 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 41 Resp: 52123
Ion Ratio Lower Upper
41 100
69 104.0 75.8 113.8
39 53.4 43.0 64.4





#49

1,4-Dioxane

Concen: 195.131 ug/l

RT: 6.297 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC010

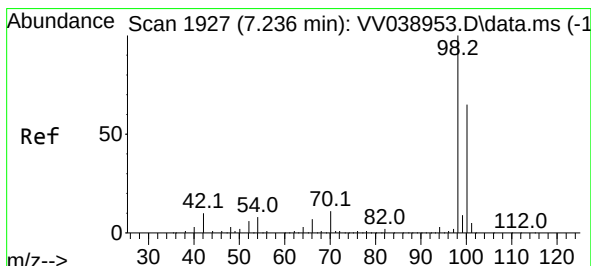
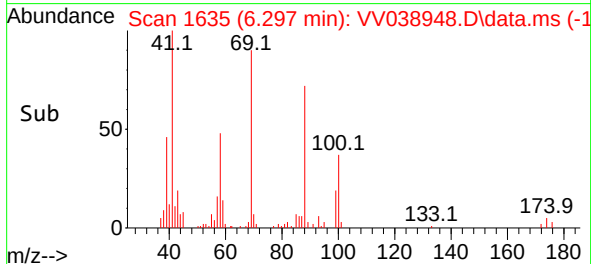
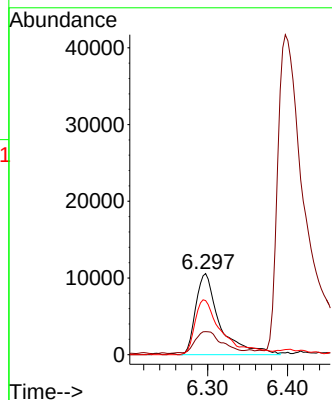
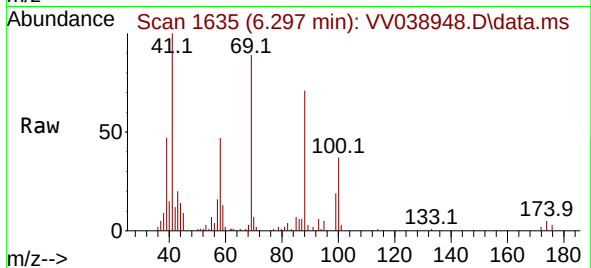
Tgt Ion: 88 Resp: 22232

Ion Ratio Lower Upper

88 100

43 30.2 23.9 35.9

58 75.4 54.1 81.1



#50

Toluene-d8

Concen: 9.516 ug/l

RT: 7.240 min Scan# 1928

Delta R.T. 0.003 min

Lab File: VV038948.D

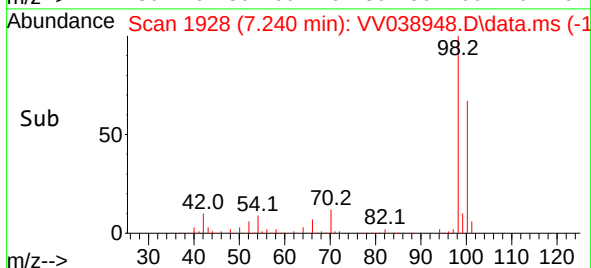
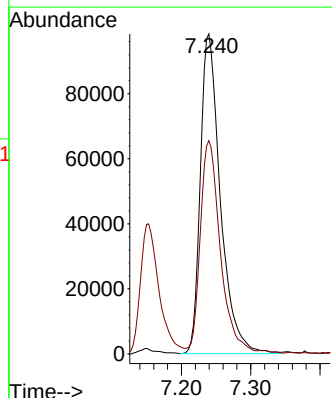
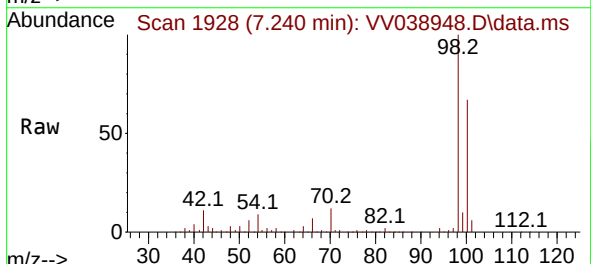
Acq: 13 Aug 2025 13:23

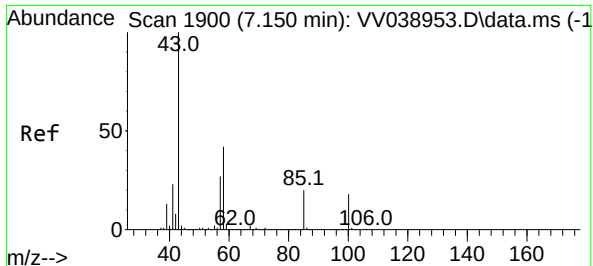
Tgt Ion: 98 Resp: 197504

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 53.304 ug/l

RT: 7.150 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

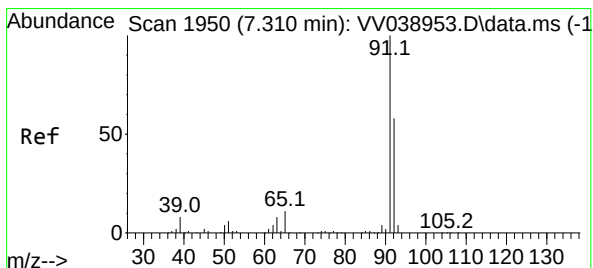
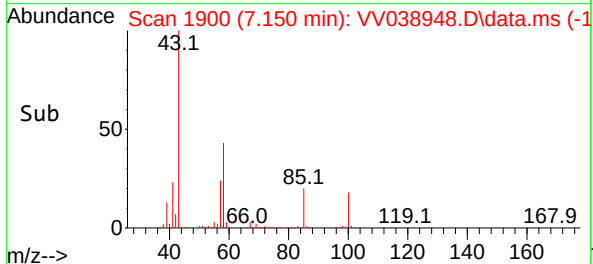
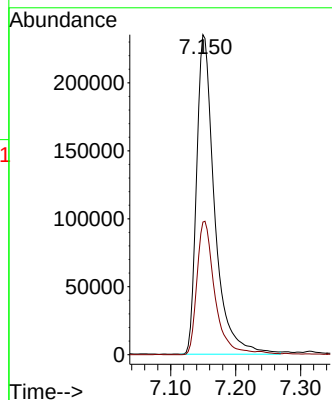
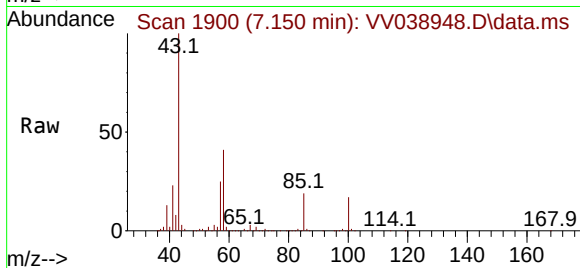
VSTDIC010

Tgt Ion: 43 Resp: 452954

Ion Ratio Lower Upper

43 100

58 41.4 33.2 49.8



#52

Toluene

Concen: 10.724 ug/l

RT: 7.314 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV038948.D

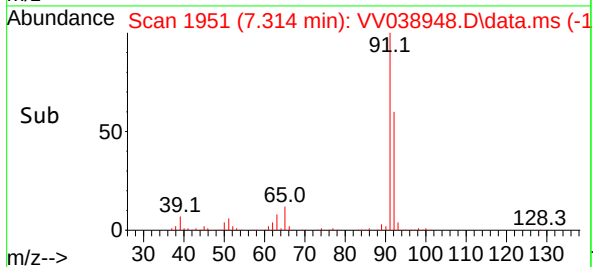
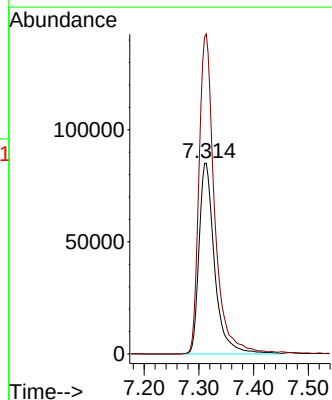
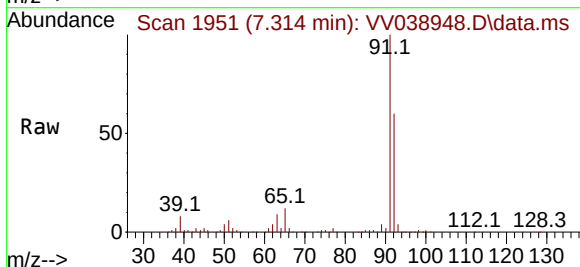
Acq: 13 Aug 2025 13:23

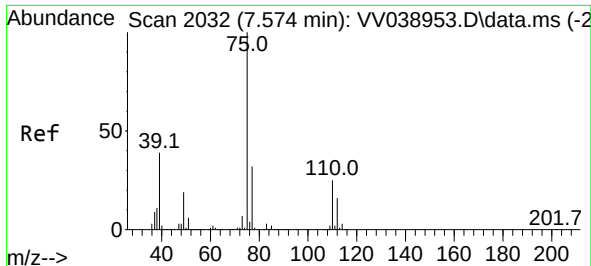
Tgt Ion: 92 Resp: 168012

Ion Ratio Lower Upper

92 100

91 167.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 10.383 ug/l

RT: 7.580 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

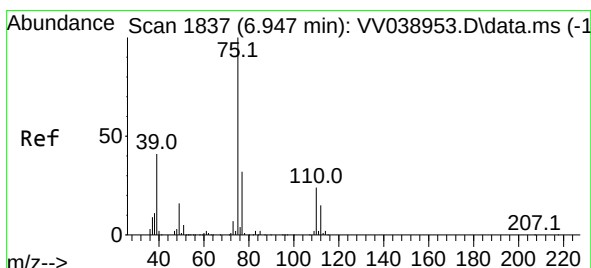
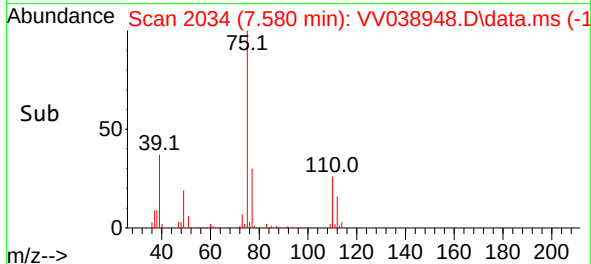
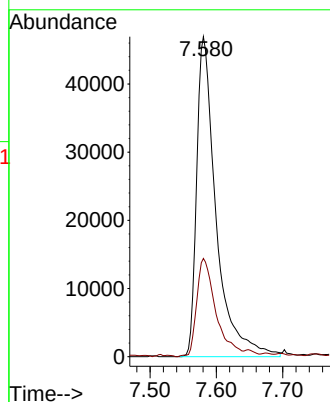
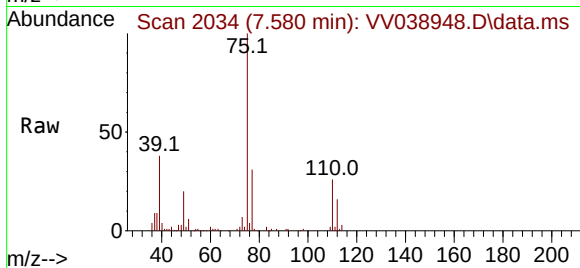
VSTDICC010

Tgt Ion: 75 Resp: 95462

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 10.303 ug/l

RT: 6.953 min Scan# 1839

Delta R.T. 0.006 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

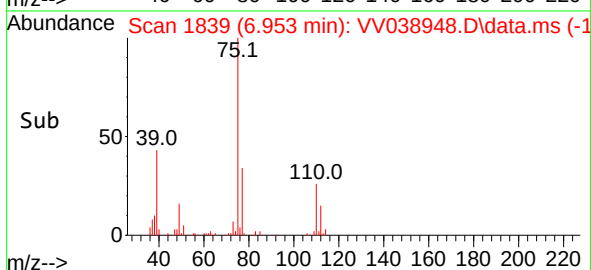
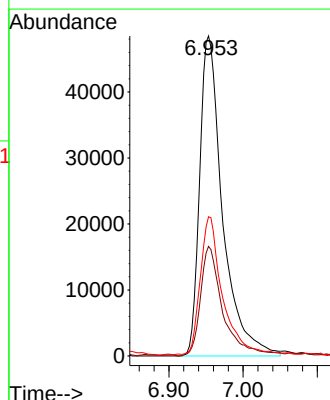
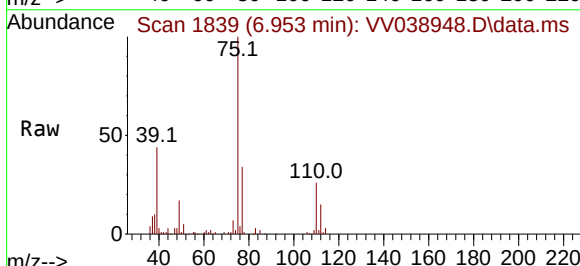
Tgt Ion: 75 Resp: 104006

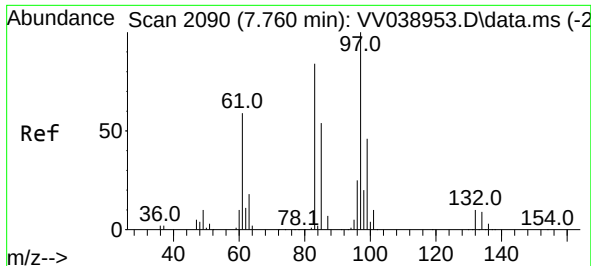
Ion Ratio Lower Upper

75 100

77 34.3 25.7 38.5

39 43.0 32.6 49.0

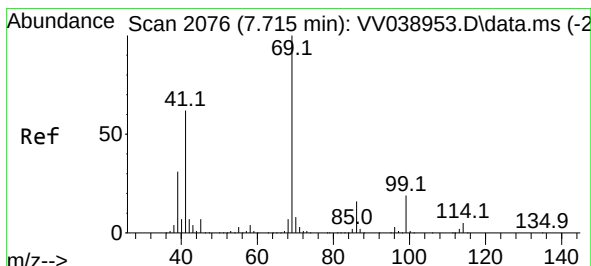
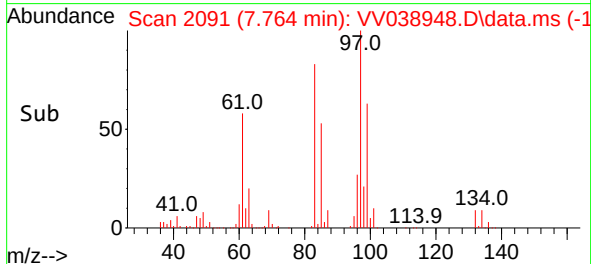
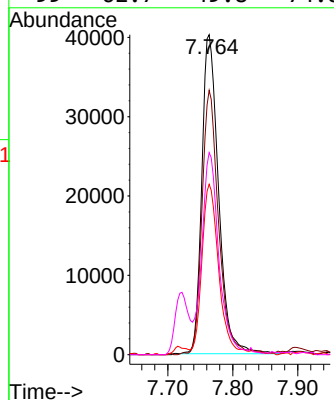
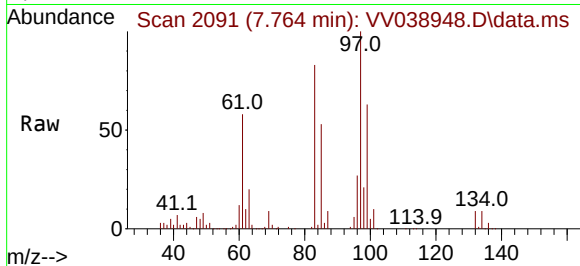




#55
 1,1,2-Trichloroethane
 Concen: 11.049 ug/l
 RT: 7.764 min Scan# 2090
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

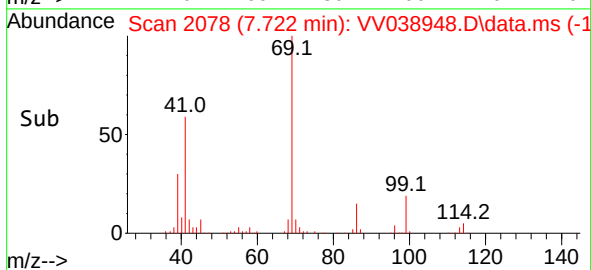
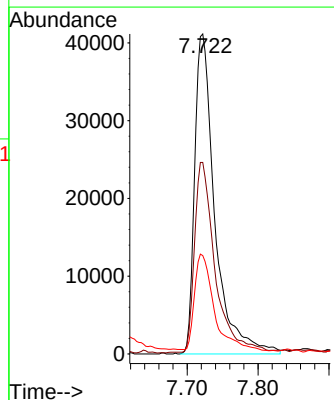
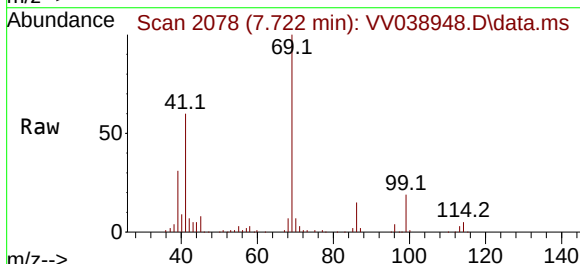
Instrument : MSVOA_V
 ClientSampleId : VSTDIC010

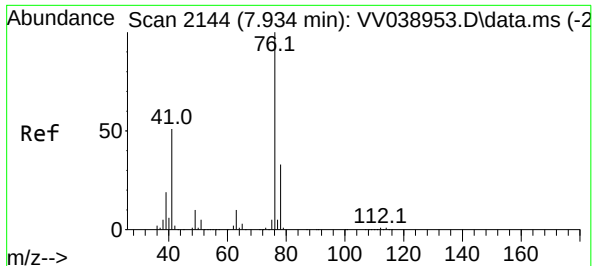
Tgt Ion:	97	Resp:	72324
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.7	100.1
85	53.1	44.5	66.7
99	62.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 9.620 ug/l
 RT: 7.722 min Scan# 2078
 Delta R.T. 0.006 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion:	69	Resp:	81641
Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.1	72.1
39	29.5	24.3	36.5





#57

1,3-Dichloropropane

Concen: 10.696 ug/l

RT: 7.937 min Scan# 2144

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

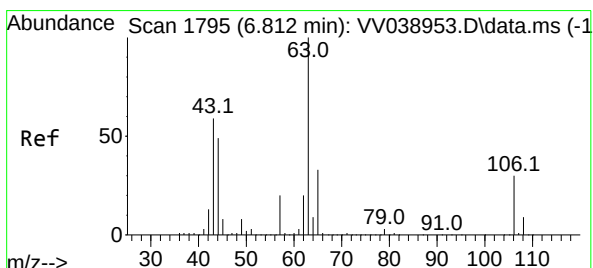
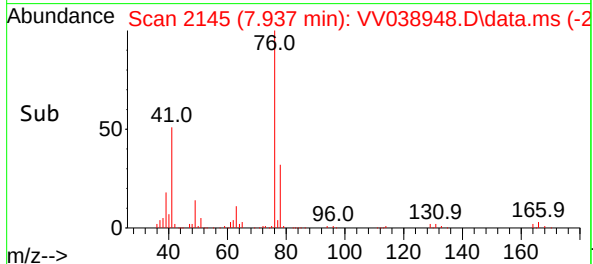
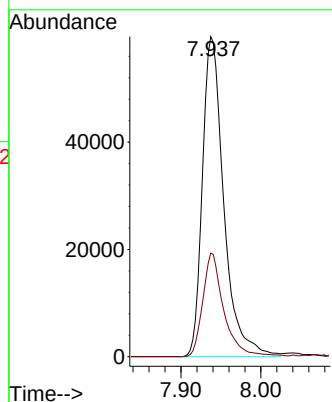
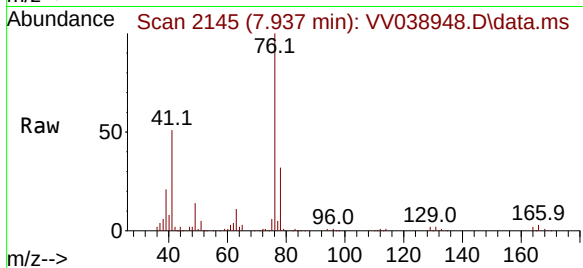
VSTDIC010

Tgt Ion: 76 Resp: 111282

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 51.103 ug/l

RT: 6.815 min Scan# 1796

Delta R.T. 0.003 min

Lab File: VV038948.D

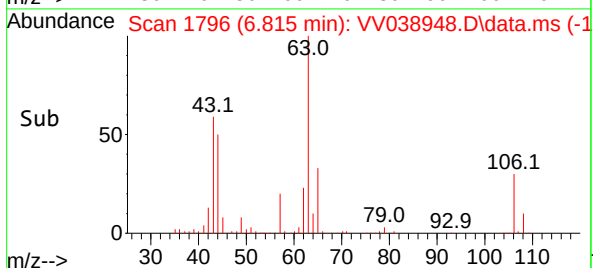
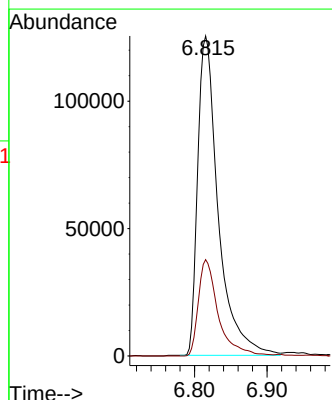
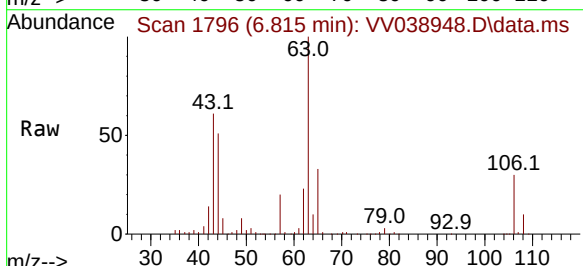
Acq: 13 Aug 2025 13:23

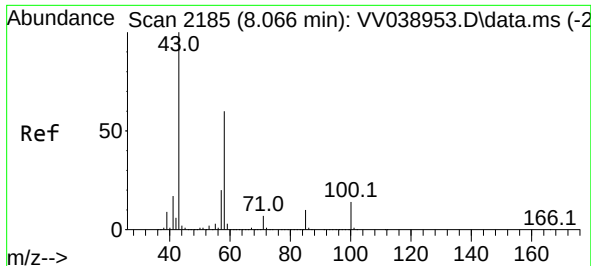
Tgt Ion: 63 Resp: 246857

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8

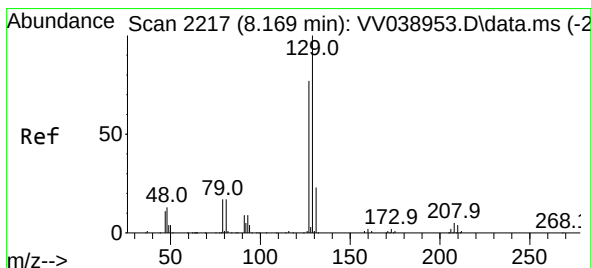
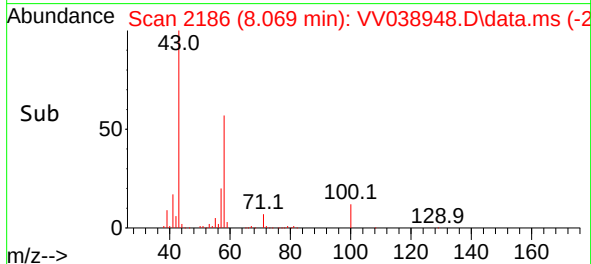
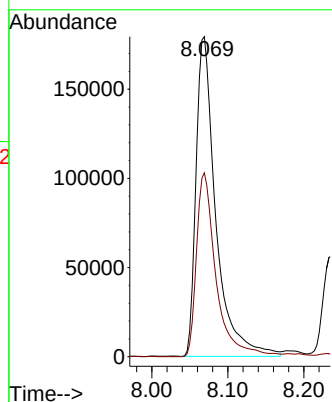
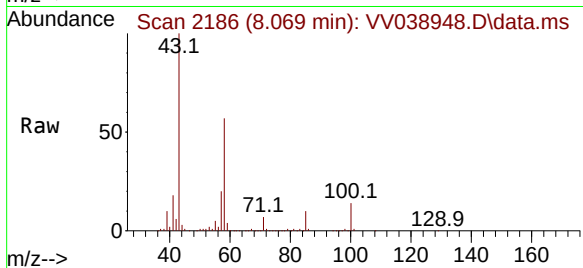




#59
2-Hexanone
Concen: 51.654 ug/l
RT: 8.069 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

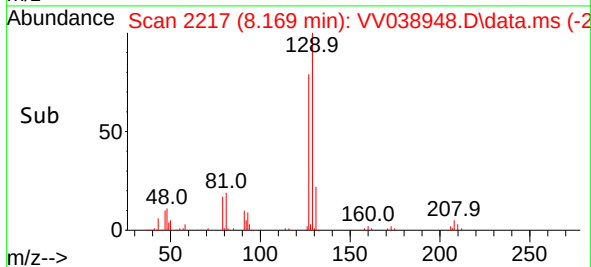
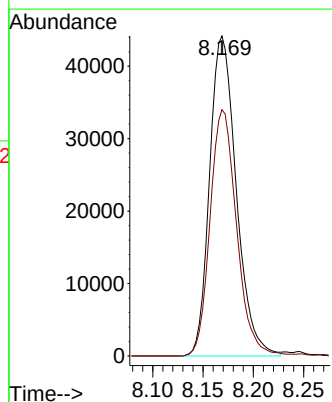
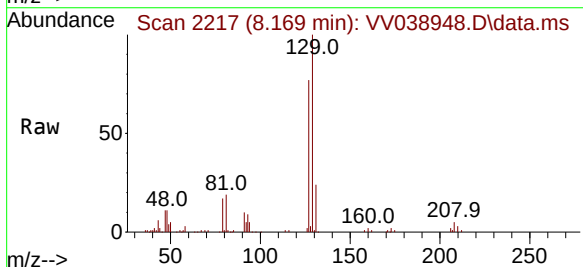
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

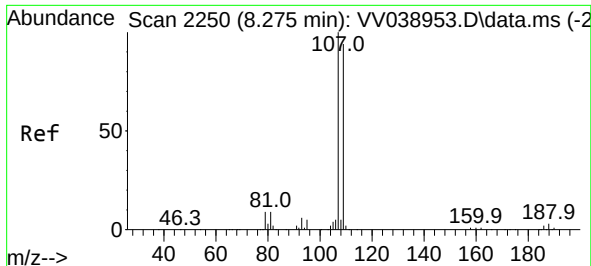
Tgt Ion: 43 Resp: 323675
Ion Ratio Lower Upper
43 100
58 56.9 29.3 87.9



#60
Dibromochloromethane
Concen: 10.303 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 129 Resp: 81471
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6

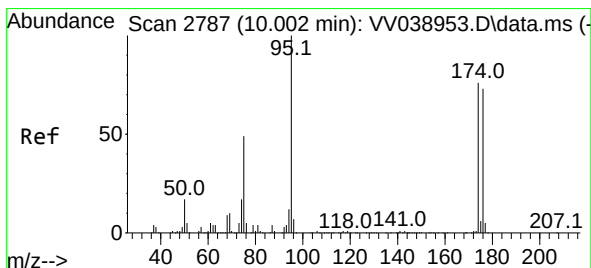
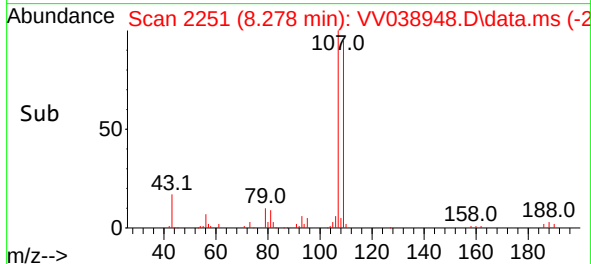
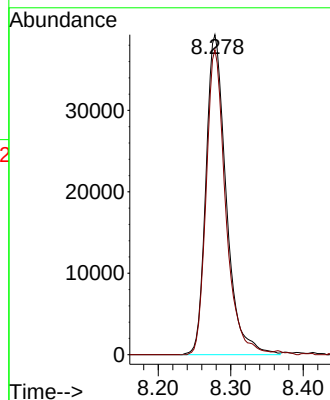
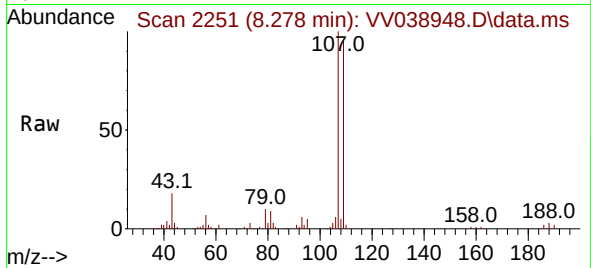




#61
1,2-Dibromoethane
Concen: 10.834 ug/l
RT: 8.278 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

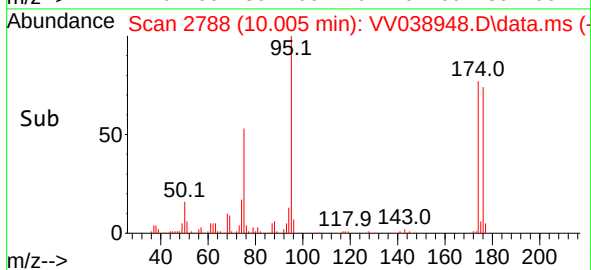
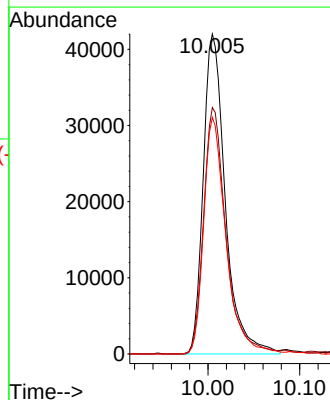
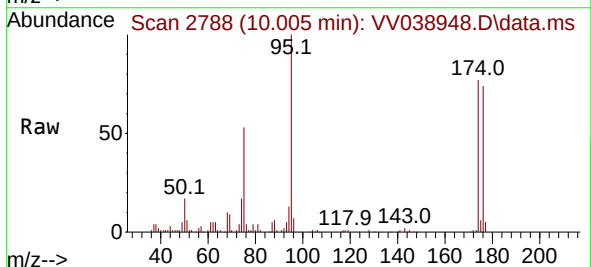
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

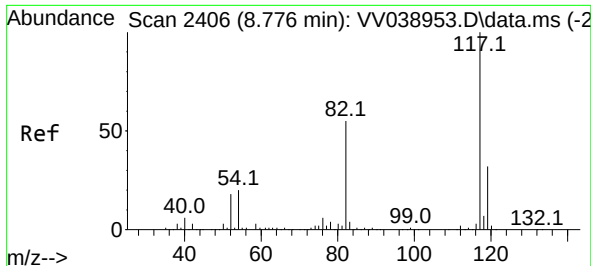
Tgt Ion:107 Resp: 76320
Ion Ratio Lower Upper
107 100
109 91.5 75.8 113.6



#62
4-Bromofluorobenzene
Concen: 9.297 ug/l
RT: 10.005 min Scan# 2788
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 95 Resp: 70109
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.4
176 74.9 0.0 144.4

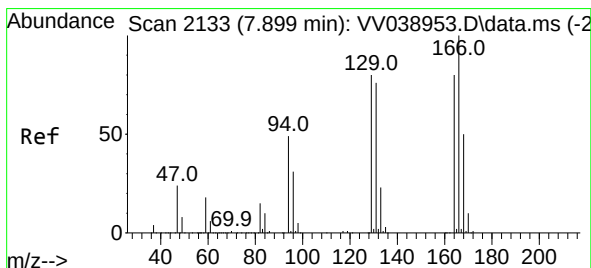
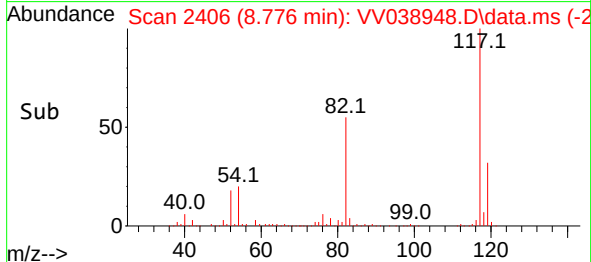
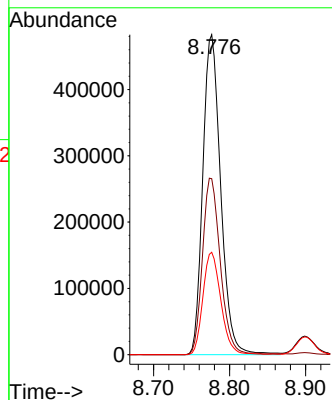
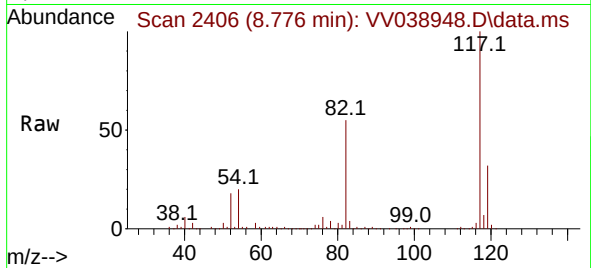




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

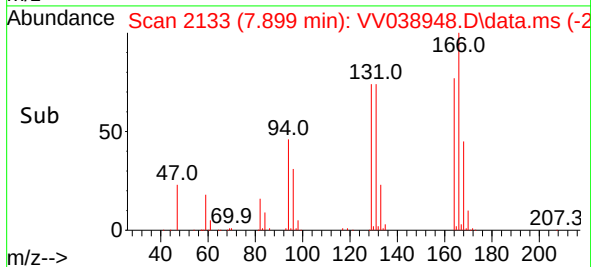
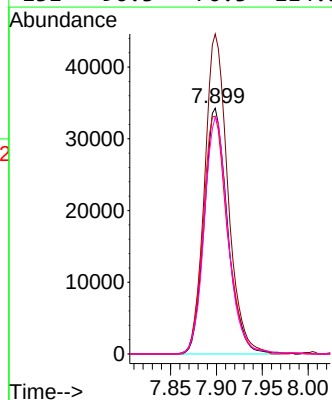
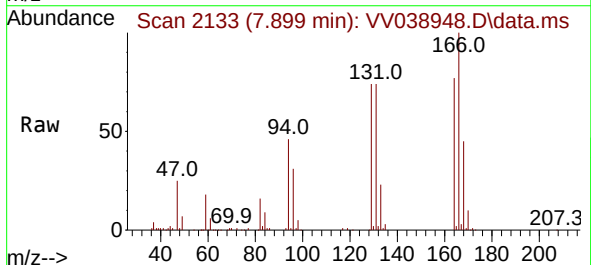
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

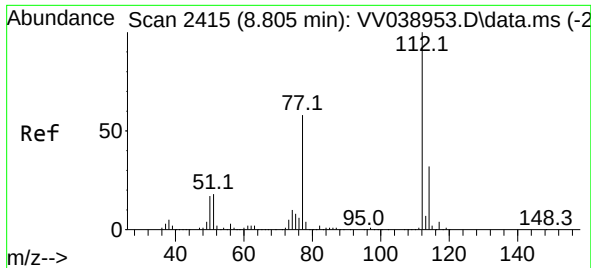
Tgt Ion:117 Resp: 790929
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.0 25.4 38.0



#64
Tetrachloroethene
Concen: 10.163 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:164 Resp: 60820
Ion Ratio Lower Upper
164 100
166 129.9 100.1 150.1
129 96.8 80.2 120.4
131 96.3 76.3 114.5

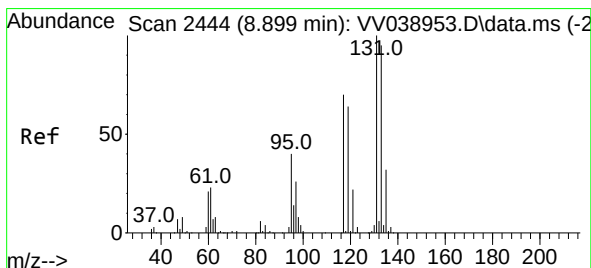
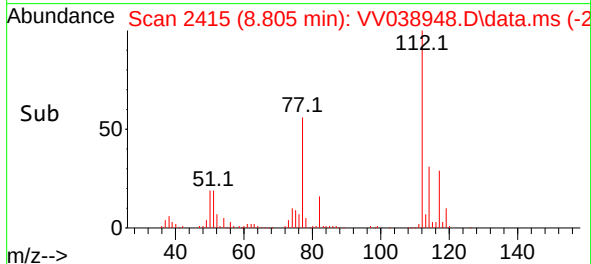
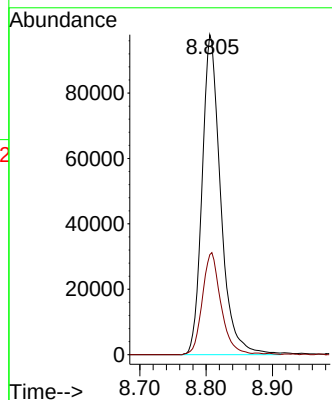
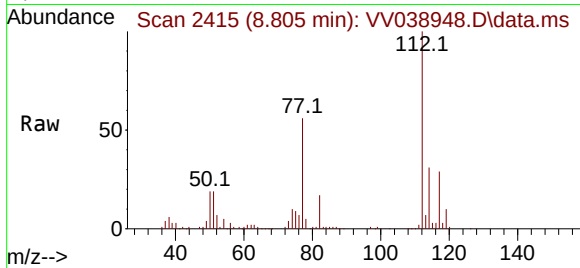




#65
Chlorobenzene
Concen: 10.250 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

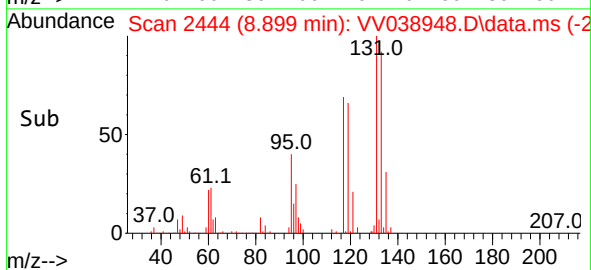
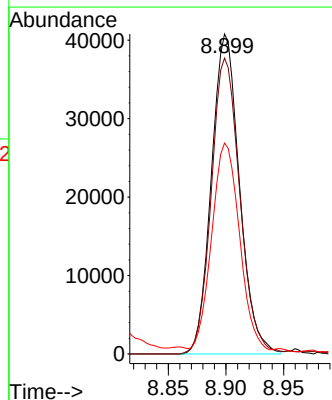
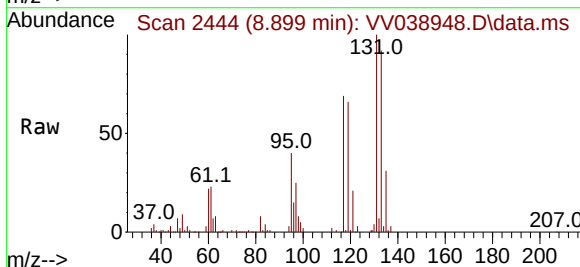
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

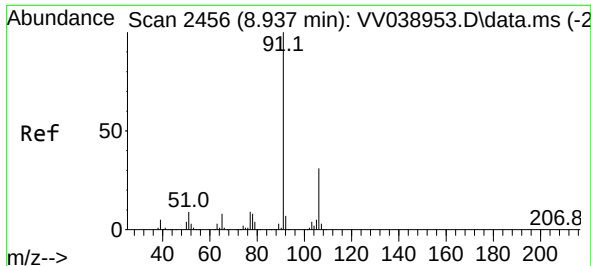
Tgt Ion:112 Resp: 190319
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.666 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:131 Resp: 68833
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 63.5 32.3 96.8





#67

Ethyl Benzene

Concen: 10.226 ug/l

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

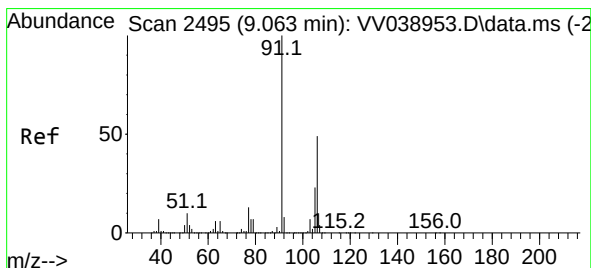
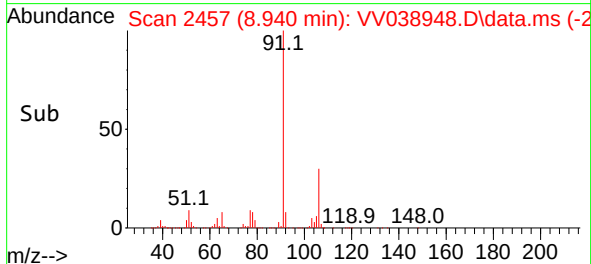
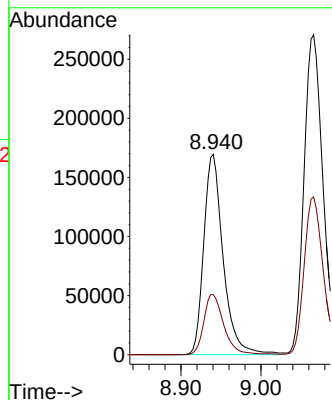
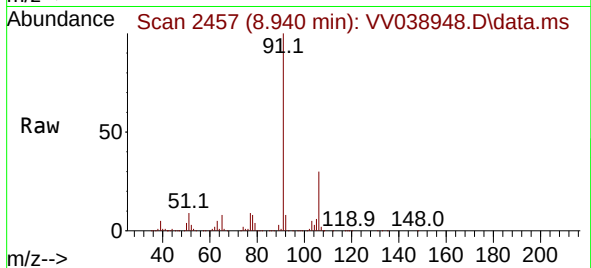
VSTDIC010

Tgt Ion: 91 Resp: 286822

Ion Ratio Lower Upper

91 100

106 29.9 24.9 37.3



#68

m/p-Xylenes

Concen: 20.503 ug/l

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV038948.D

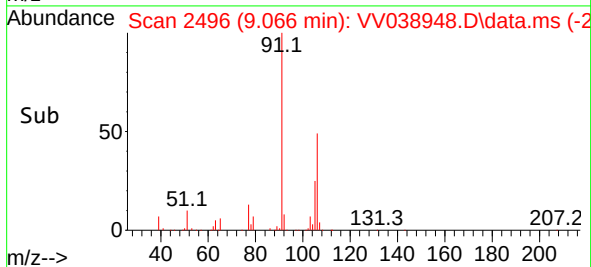
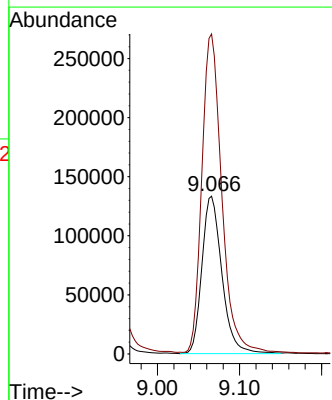
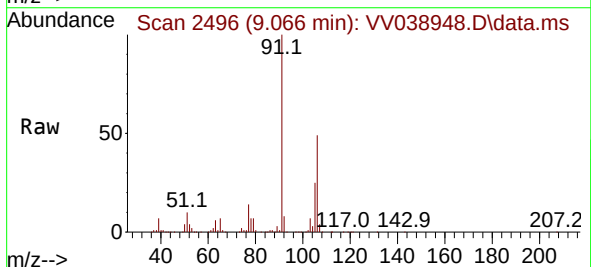
Acq: 13 Aug 2025 13:23

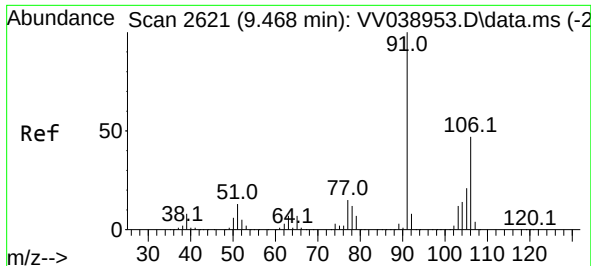
Tgt Ion:106 Resp: 225177

Ion Ratio Lower Upper

106 100

91 203.2 163.0 244.6

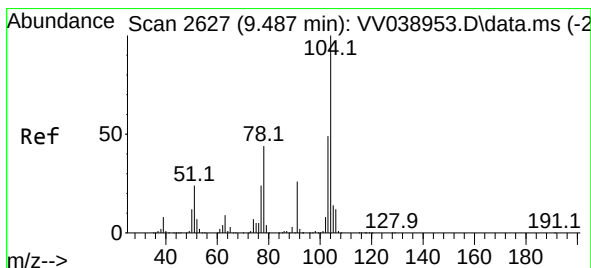
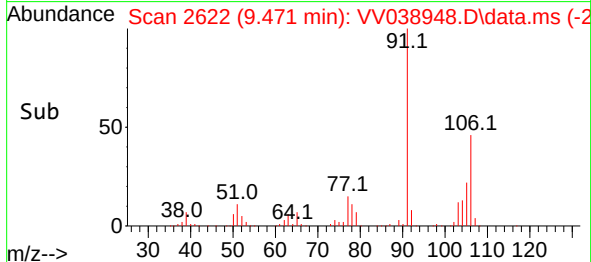
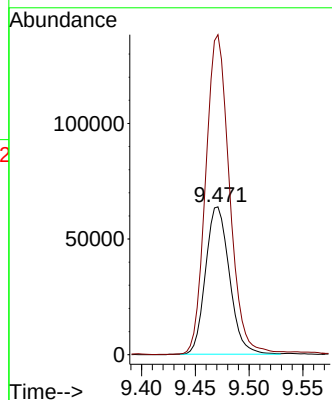
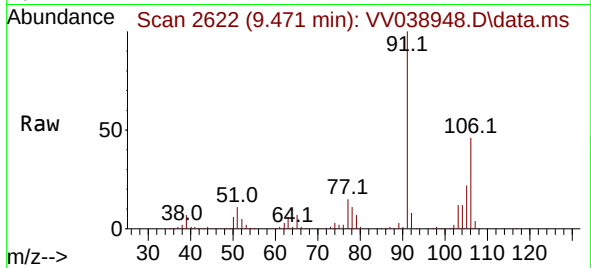




#69
o-Xylene
Concen: 9.775 ug/l
RT: 9.471 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

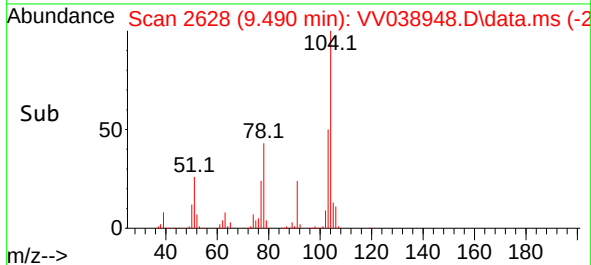
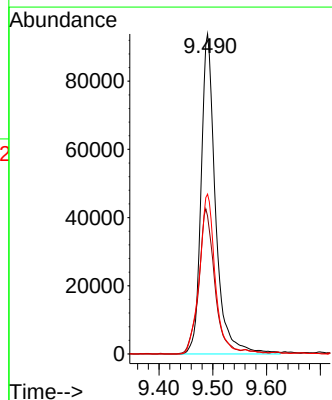
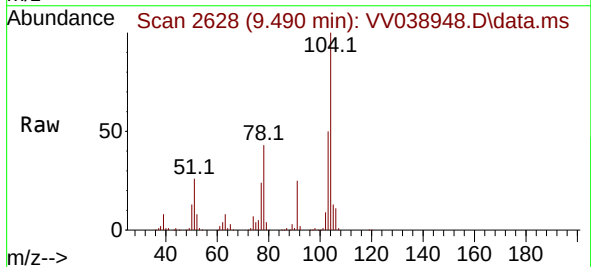
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

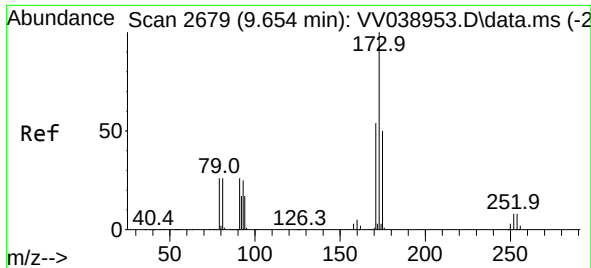
Tgt Ion:106 Resp: 98616
Ion Ratio Lower Upper
106 100
91 216.5 106.8 320.4



#70
Styrene
Concen: 9.995 ug/l
RT: 9.490 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:104 Resp: 175532
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.6
103 54.1 43.4 65.2

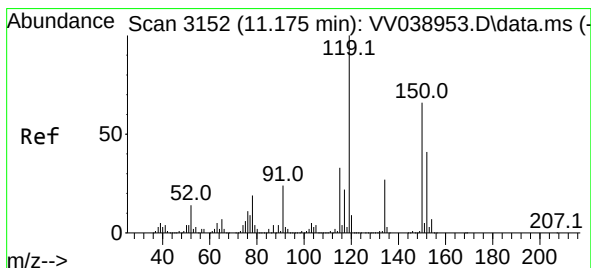
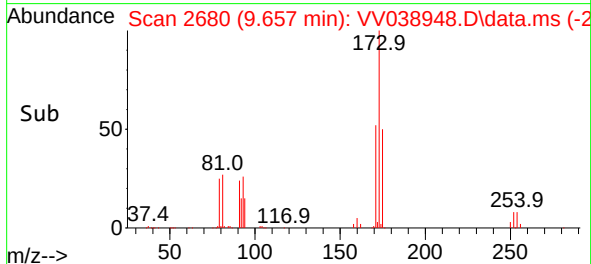
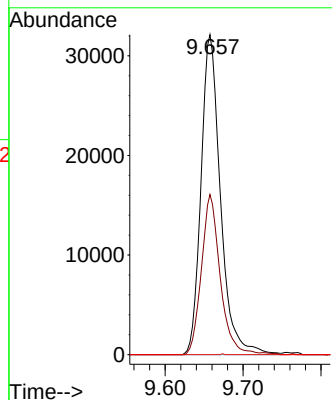
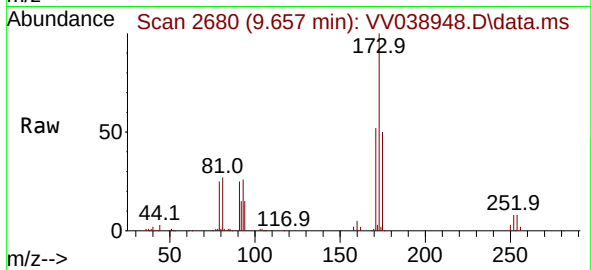




#71
Bromoform
Concen: 10.616 ug/l
RT: 9.657 min Scan# 2679
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

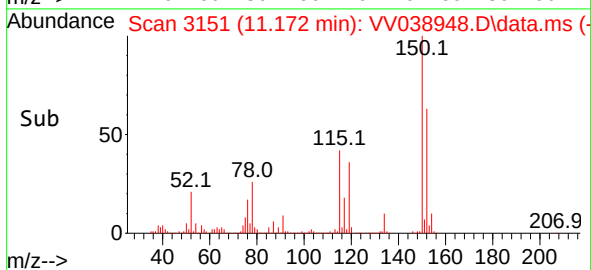
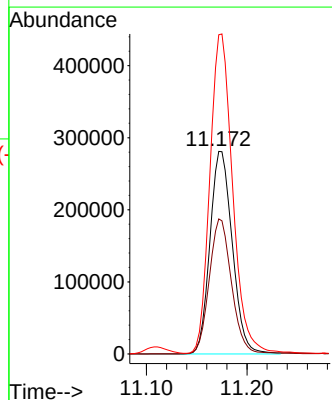
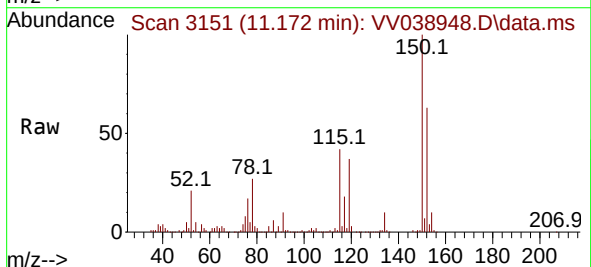
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

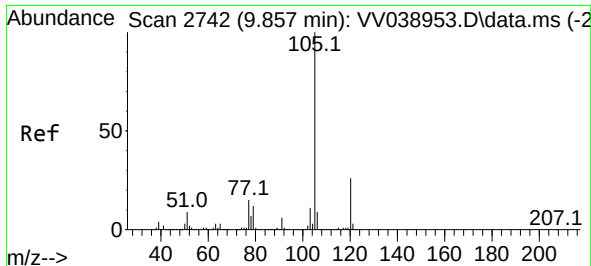
Tgt Ion:173 Resp: 55670
Ion Ratio Lower Upper
173 100
175 48.1 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion:152 Resp: 434581
Ion Ratio Lower Upper
152 100
115 66.2 42.8 128.3
150 160.8 0.0 349.6

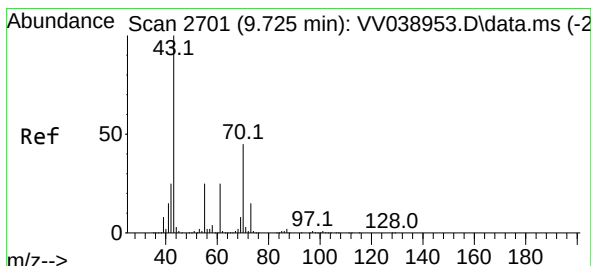
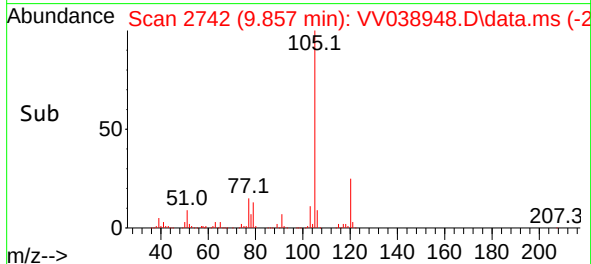
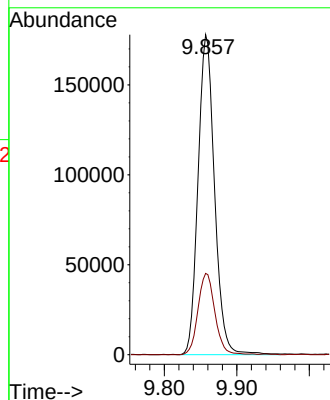
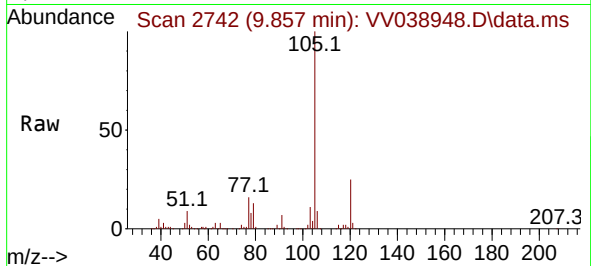




#73
Isopropylbenzene
Concen: 10.081 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

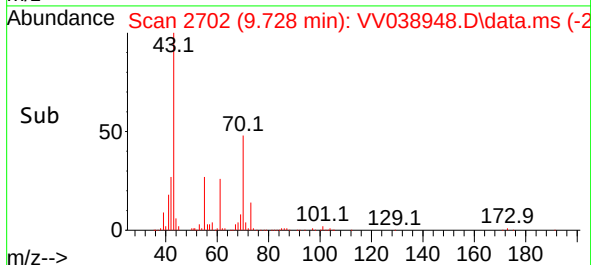
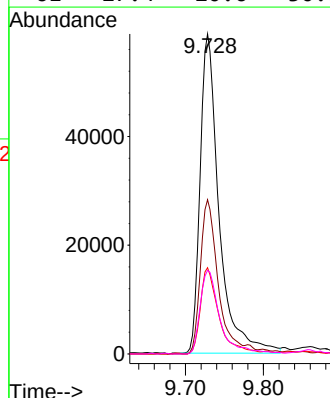
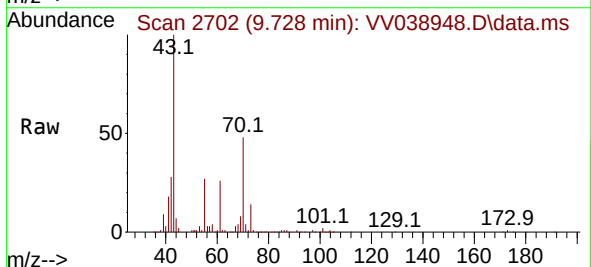
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

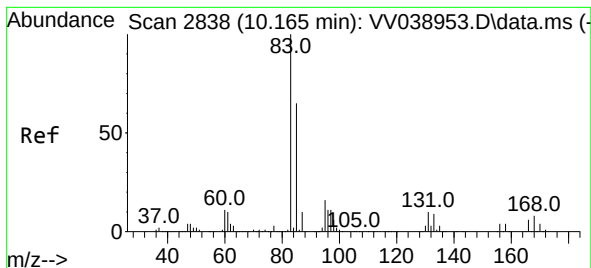
Tgt Ion:105 Resp: 280531
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.7



#74
N-ethyl acetate
Concen: 9.241 ug/l
RT: 9.728 min Scan# 2702
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 99318
Ion Ratio Lower Upper
43 100
70 44.7 37.0 55.4
55 26.2 21.0 31.4
61 27.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.498 ug/l

RT: 10.169 min Scan# 2839

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

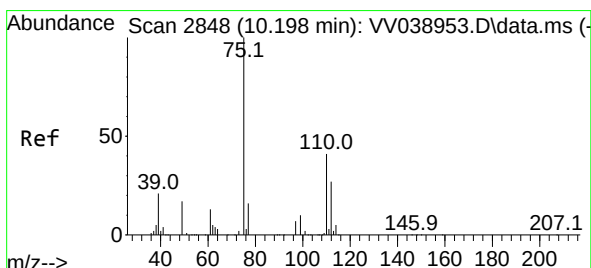
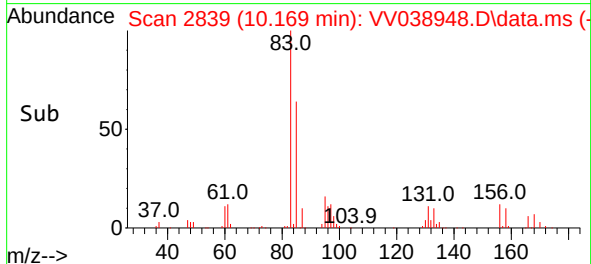
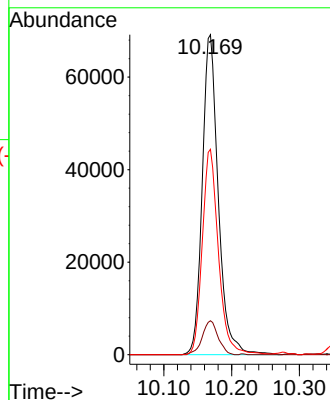
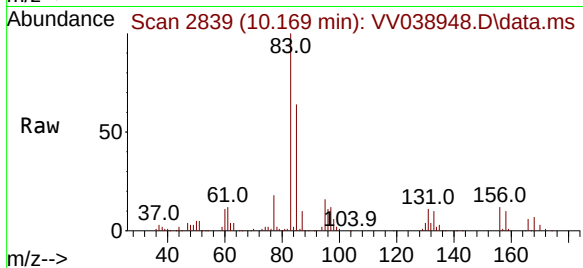
Tgt Ion: 83 Resp: 113353

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 64.7 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 10.301 ug/l

RT: 10.201 min Scan# 2849

Delta R.T. 0.003 min

Lab File: VV038948.D

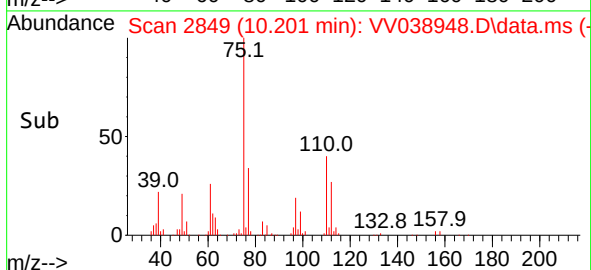
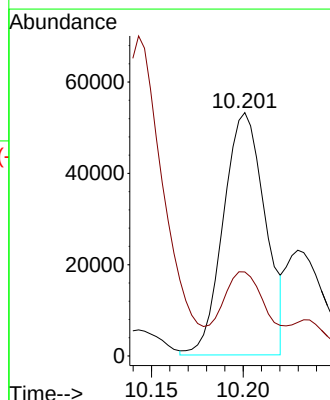
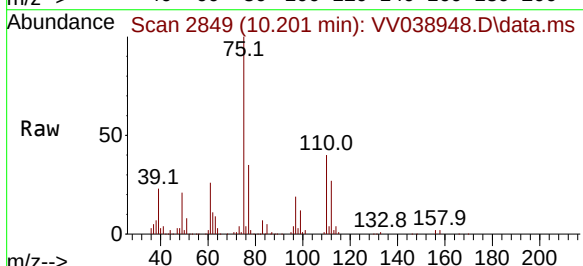
Acq: 13 Aug 2025 13:23

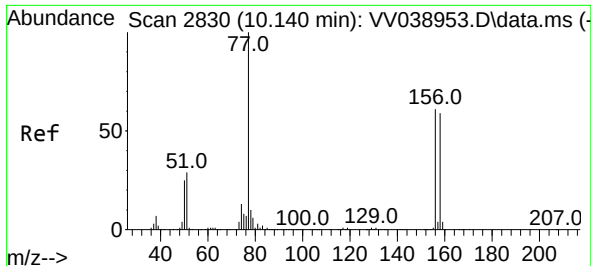
Tgt Ion: 75 Resp: 84381

Ion Ratio Lower Upper

75 100

77 21.5 11.8 35.4

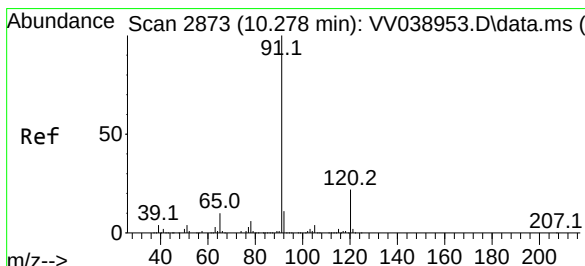
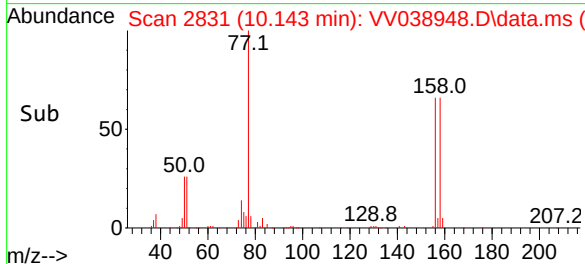
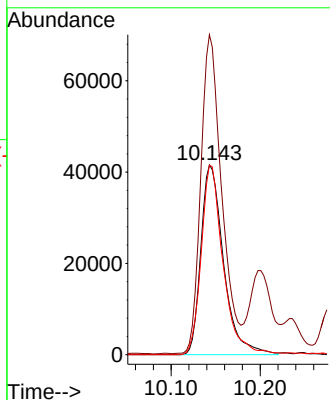
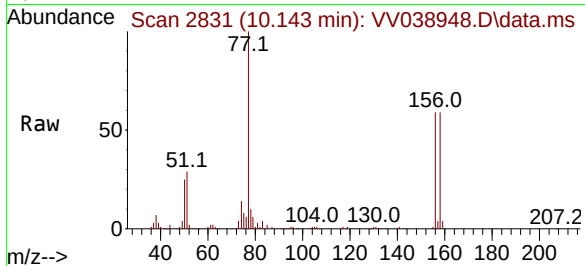




#77
Bromobenzene
Concen: 10.206 ug/l
RT: 10.143 min Scan# 2831
Delta R.T. 0.003 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

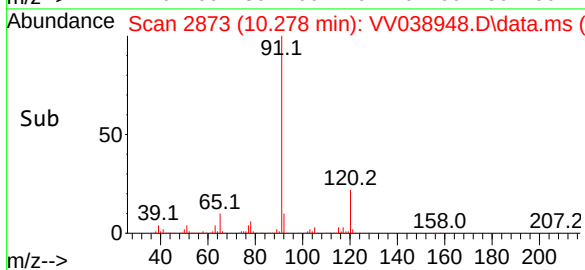
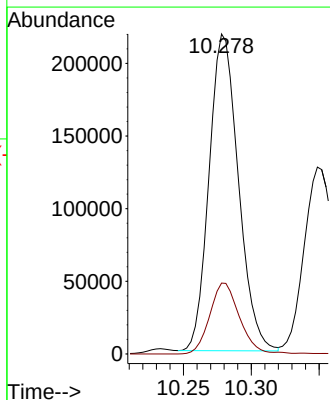
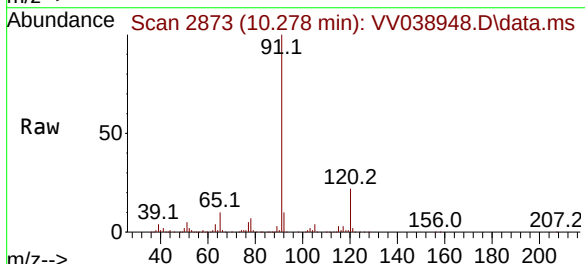
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

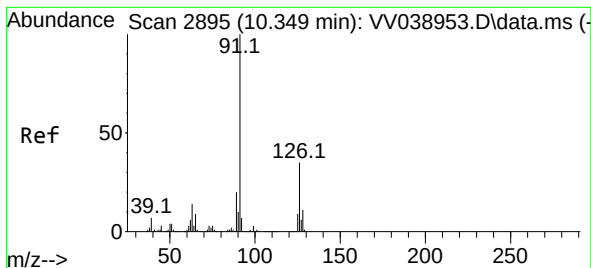
Tgt Ion:156 Resp: 73470
Ion Ratio Lower Upper
156 100
77 154.4 79.6 238.8
158 96.6 47.8 143.4



#78
n-propylbenzene
Concen: 9.867 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV038948.D
Acq: 13 Aug 2025 13:23

Tgt Ion: 91 Resp: 328553
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5





#79

2-Chlorotoluene

Concen: 10.305 ug/l

RT: 10.349 min Scan# 2895

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

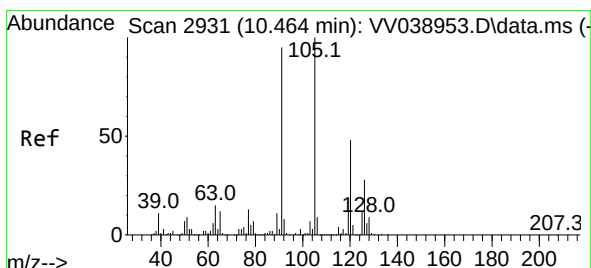
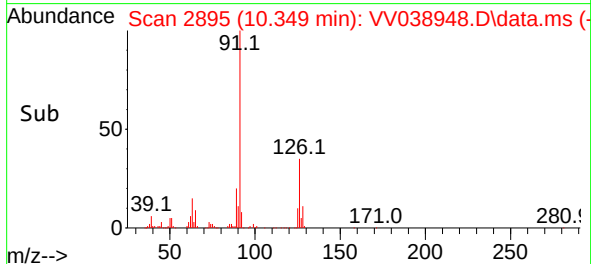
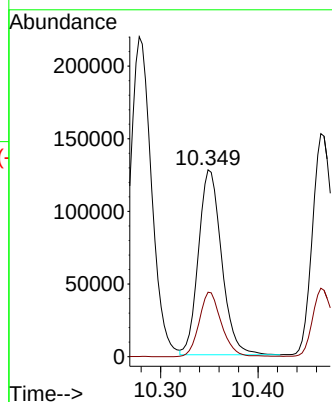
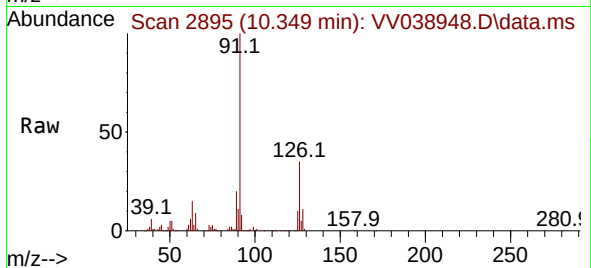
VSTDIC010

Tgt Ion: 91 Resp: 209753

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.3



#80

1,3,5-Trimethylbenzene

Concen: 10.105 ug/l

RT: 10.468 min Scan# 2932

Delta R.T. 0.003 min

Lab File: VV038948.D

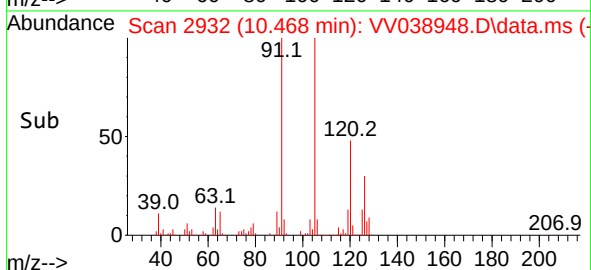
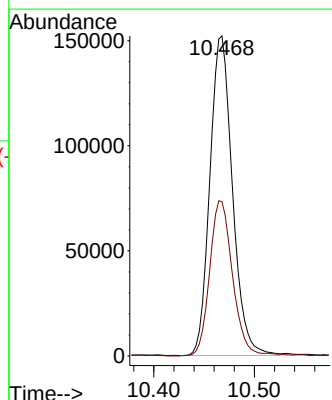
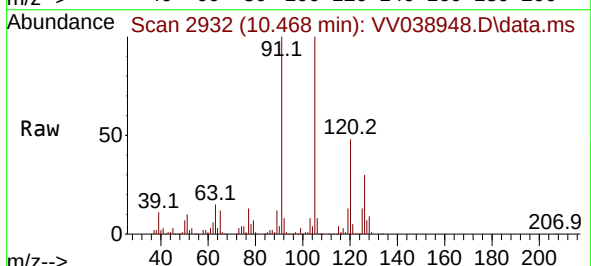
Acq: 13 Aug 2025 13:23

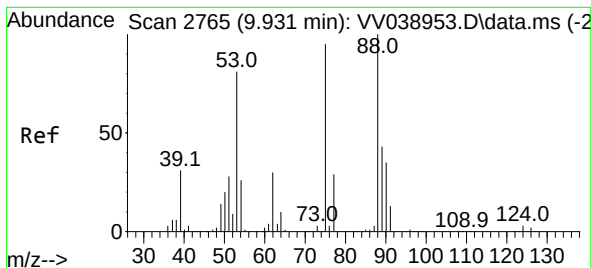
Tgt Ion: 105 Resp: 237239

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 9.678 ug/l

RT: 9.931 min Scan# 2765

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

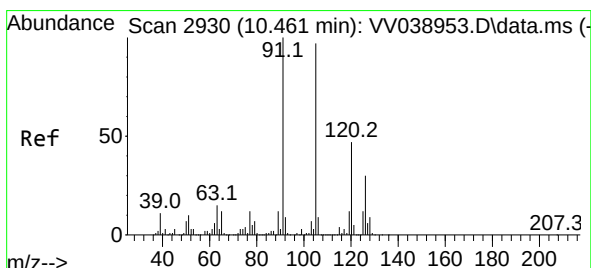
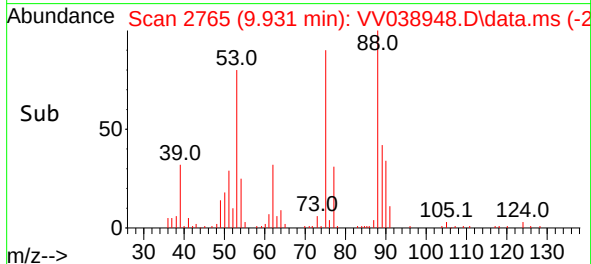
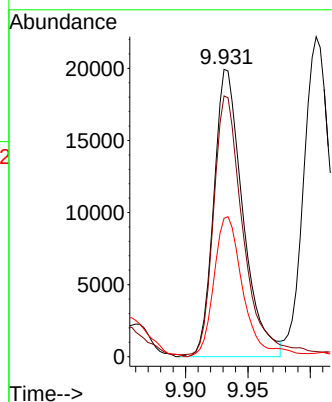
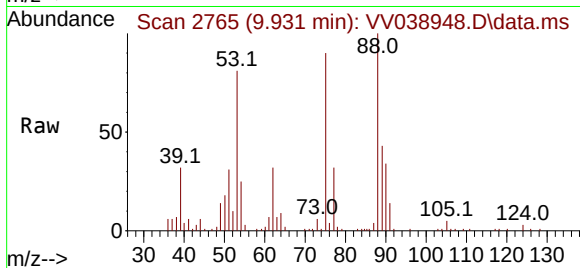
Tgt Ion: 75 Resp: 32339

Ion Ratio Lower Upper

75 100

53 91.2 69.3 103.9

89 49.2 35.8 53.6



#82

4-Chlorotoluene

Concen: 10.250 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. 0.003 min

Lab File: VV038948.D

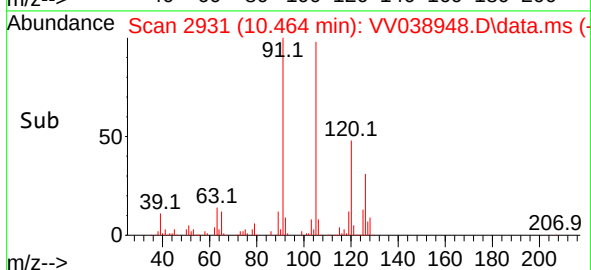
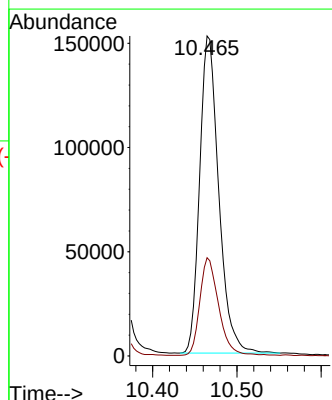
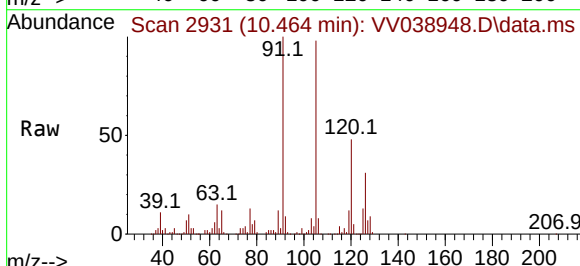
Acq: 13 Aug 2025 13:23

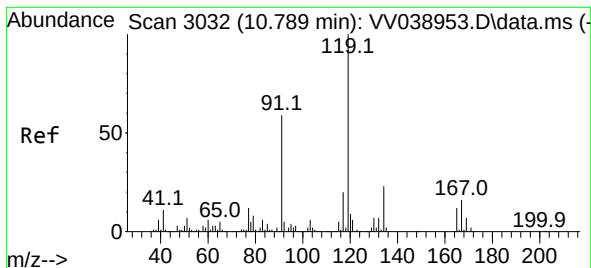
Tgt Ion: 91 Resp: 240336

Ion Ratio Lower Upper

91 100

126 30.5 14.8 44.3





#83

tert-Butylbenzene

Concen: 9.751 ug/l

RT: 10.792 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

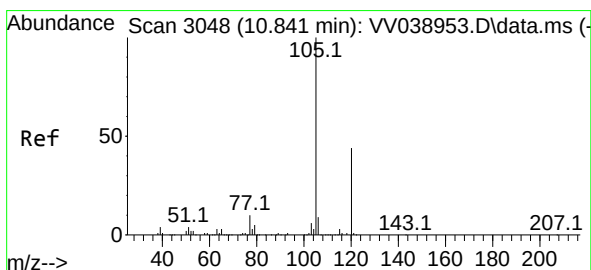
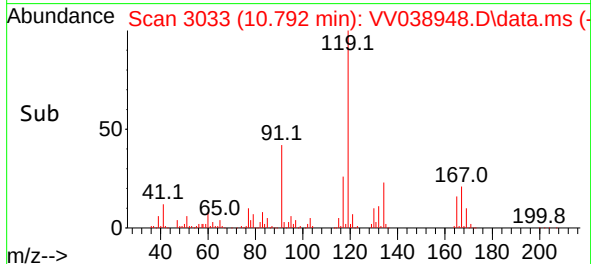
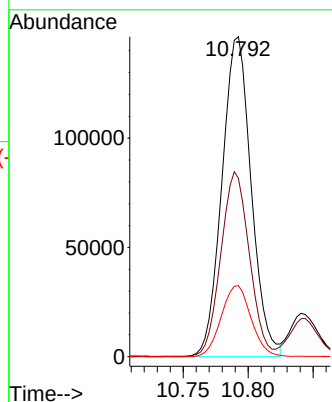
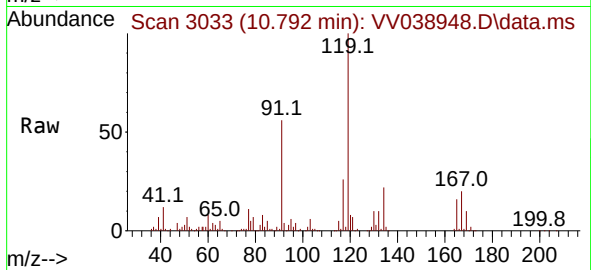
Tgt Ion:119 Resp: 229546

Ion Ratio Lower Upper

119 100

91 56.1 28.8 86.5

134 22.7 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 10.131 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VV038948.D

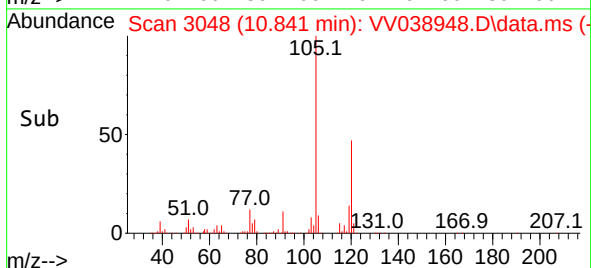
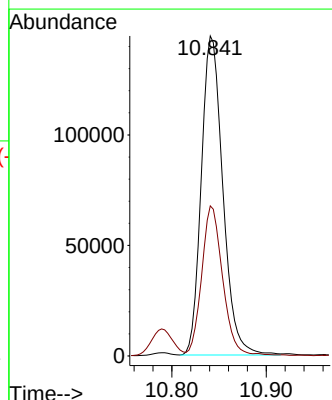
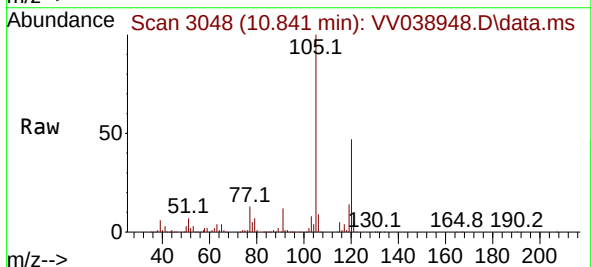
Acq: 13 Aug 2025 13:23

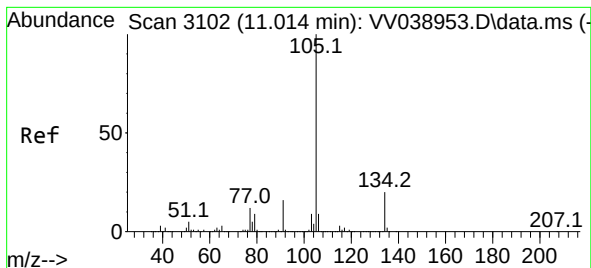
Tgt Ion:105 Resp: 228781

Ion Ratio Lower Upper

105 100

120 45.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 9.968 ug/l

RT: 11.014 min Scan# 3102

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

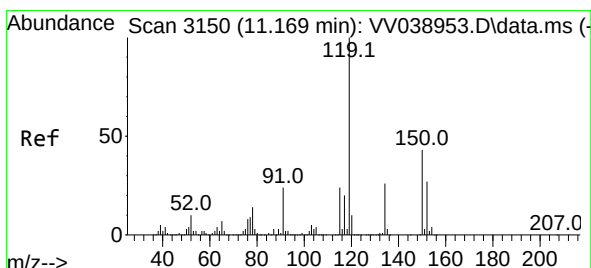
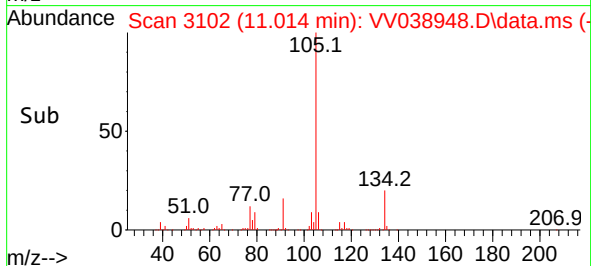
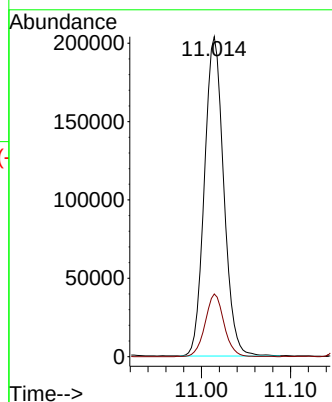
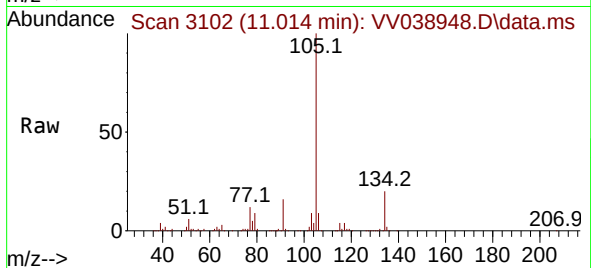
VSTDIC010

Tgt Ion:105 Resp: 306182

Ion Ratio Lower Upper

105 100

134 19.4 9.9 29.7



#86

p-Isopropyltoluene

Concen: 9.926 ug/l

RT: 11.169 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

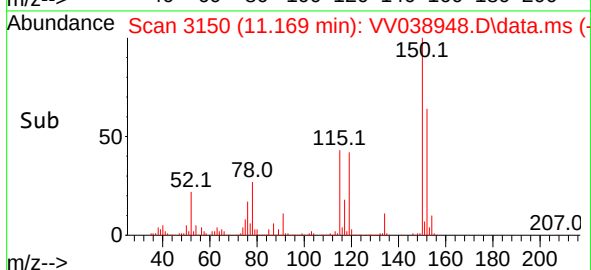
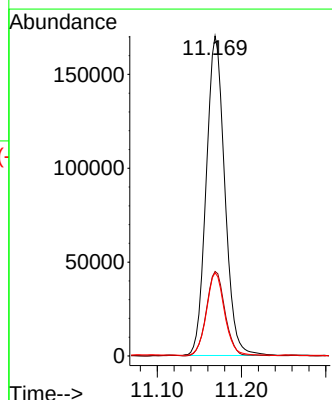
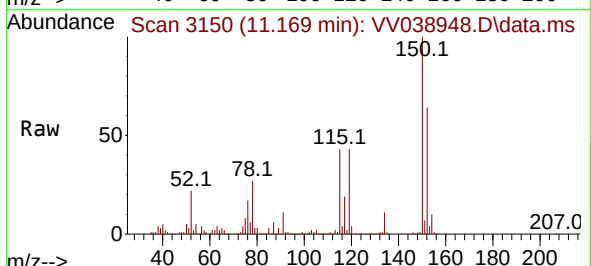
Tgt Ion:119 Resp: 260458

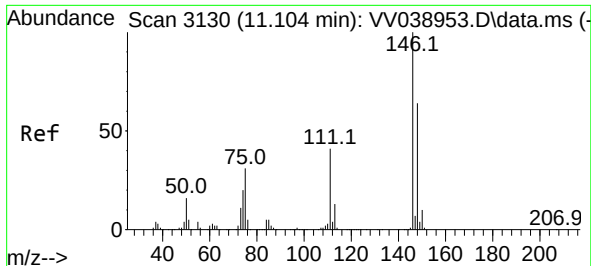
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

91 25.4 12.2 36.6

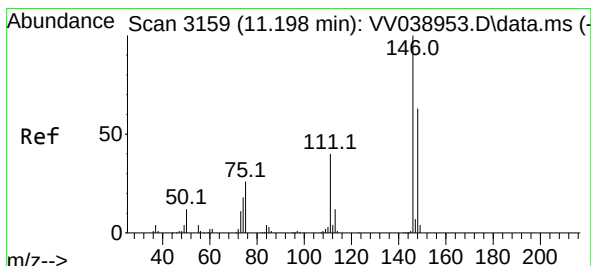
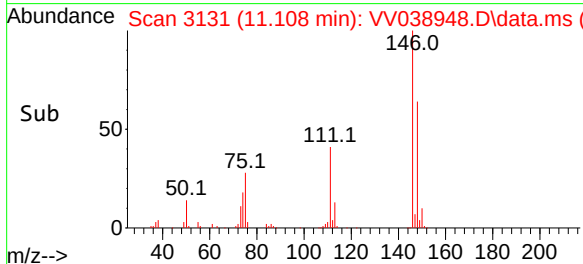
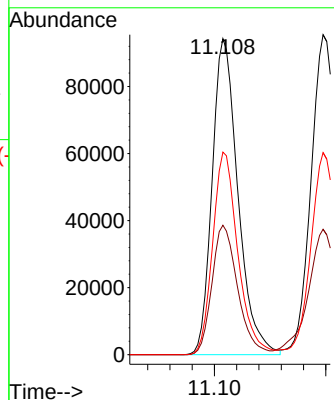
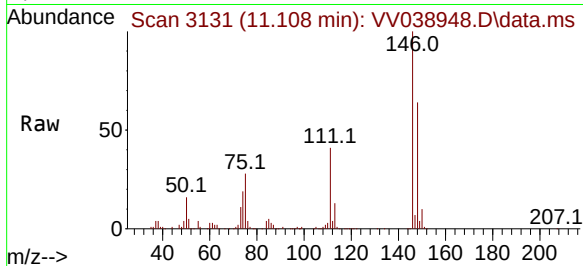




#87
 1,3-Dichlorobenzene
 Concen: 10.284 ug/l
 RT: 11.108 min Scan# 3131
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

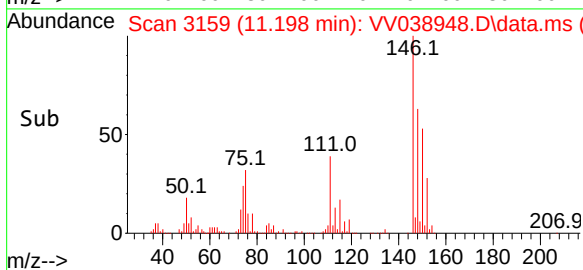
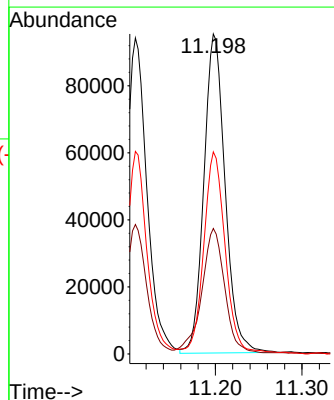
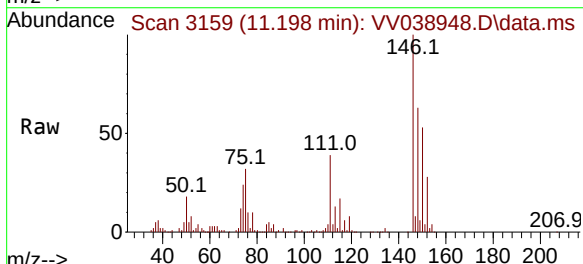
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

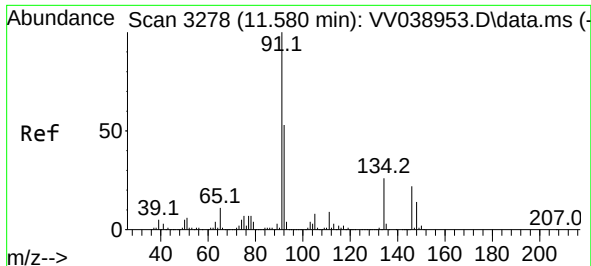
Tgt Ion:146 Resp: 151757
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.4
 148 62.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 10.122 ug/l
 RT: 11.198 min Scan# 3159
 Delta R.T. 0.000 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion:146 Resp: 162213
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 64.6 31.7 95.1





#89

n-Butylbenzene

Concen: 9.733 ug/l

RT: 11.583 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

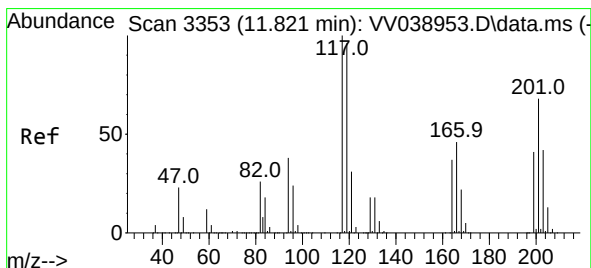
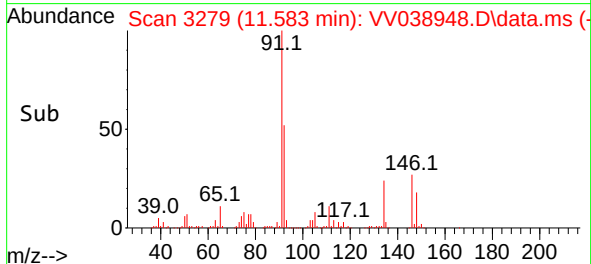
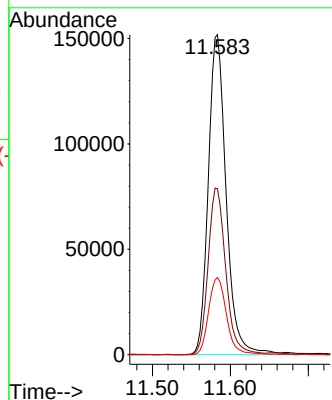
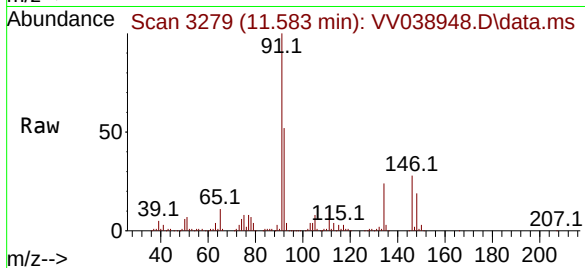
Tgt Ion: 91 Resp: 241405

Ion Ratio Lower Upper

91 100

92 51.5 26.6 79.8

134 24.2 12.8 38.3



#90

Hexachloroethane

Concen: 10.266 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. 0.000 min

Lab File: VV038948.D

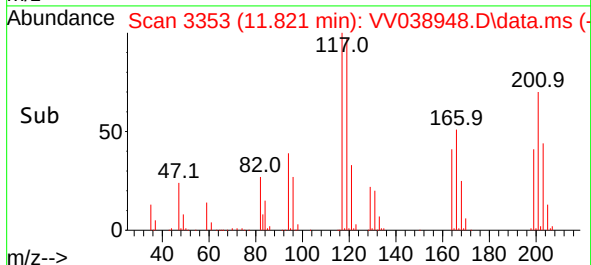
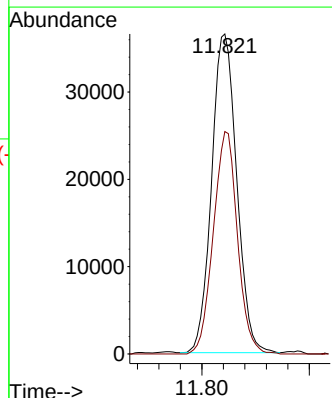
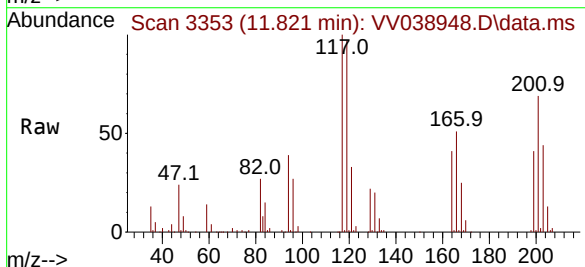
Acq: 13 Aug 2025 13:23

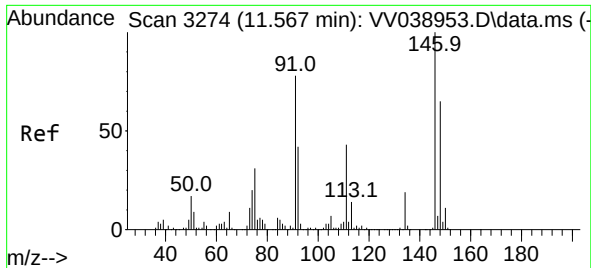
Tgt Ion: 117 Resp: 59252

Ion Ratio Lower Upper

117 100

201 67.0 33.7 101.1

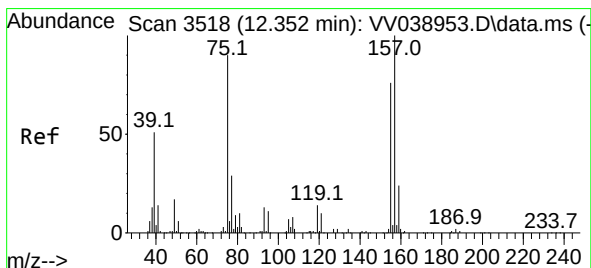
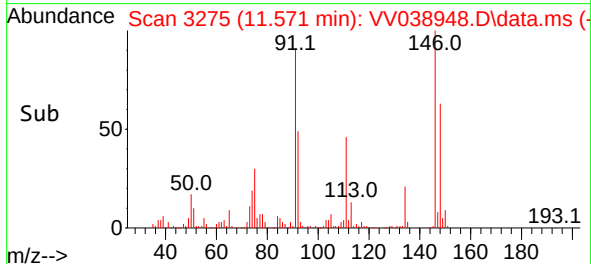
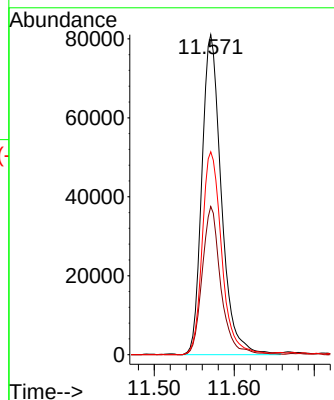
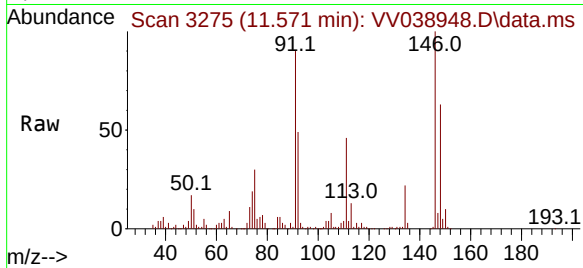




#91
 1,2-Dichlorobenzene
 Concen: 9.939 ug/l
 RT: 11.571 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

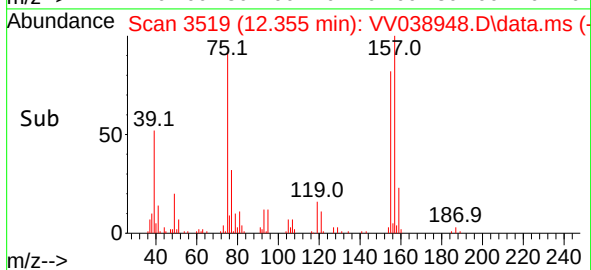
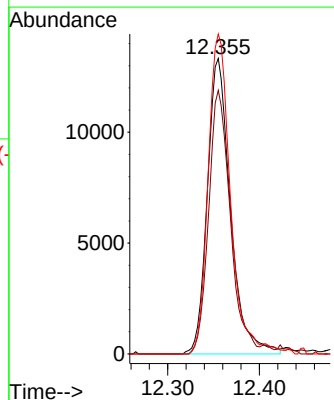
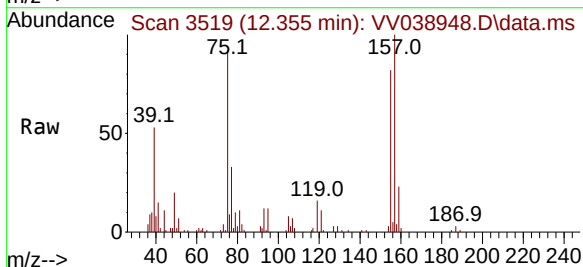
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

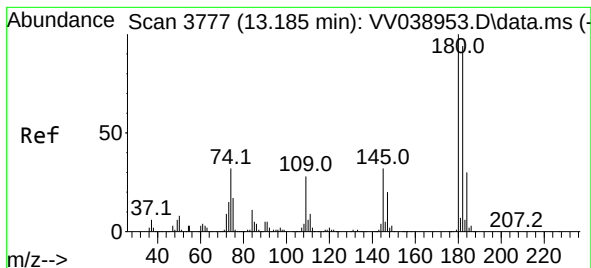
Tgt Ion:146 Resp: 137430
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.3 63.7
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.850 ug/l
 RT: 12.355 min Scan# 3519
 Delta R.T. 0.003 min
 Lab File: VV038948.D
 Acq: 13 Aug 2025 13:23

Tgt Ion: 75 Resp: 23374
 Ion Ratio Lower Upper
 75 100
 155 83.6 42.3 126.8
 157 104.7 54.7 164.1





#93

1,2,4-Trichlorobenzene

Concen: 9.199 ug/l

RT: 13.188 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

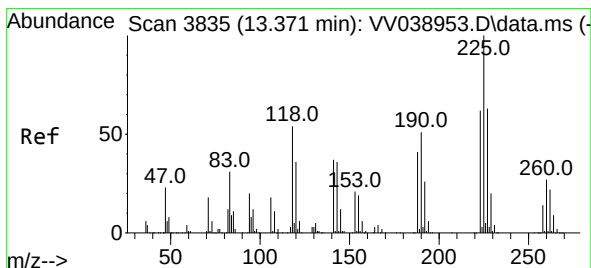
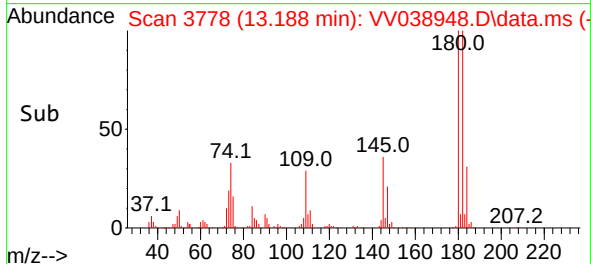
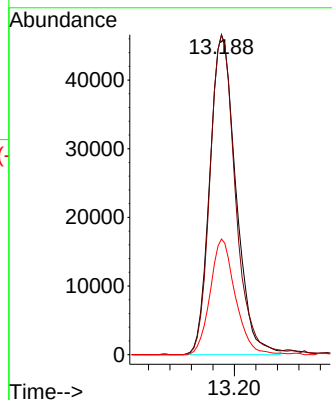
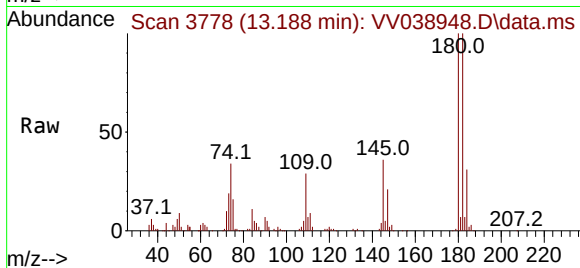
Tgt Ion:180 Resp: 78500

Ion Ratio Lower Upper

180 100

182 97.4 47.3 141.9

145 35.0 16.3 48.8



#94

Hexachlorobutadiene

Concen: 10.035 ug/l

RT: 13.371 min Scan# 3835

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

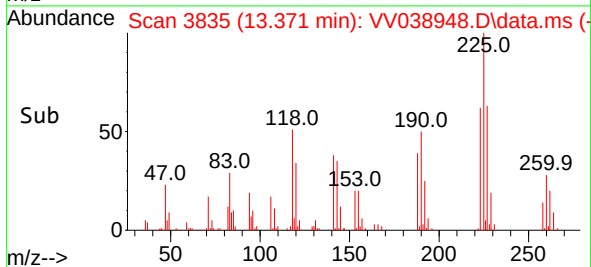
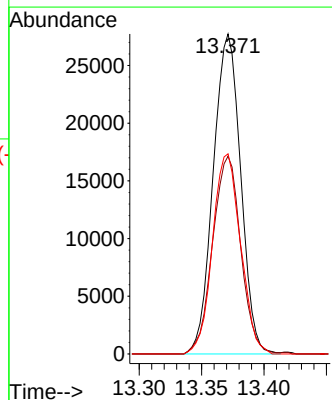
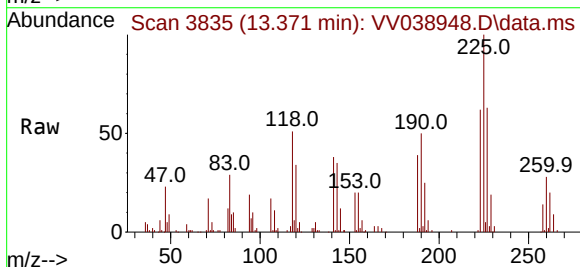
Tgt Ion:225 Resp: 42550

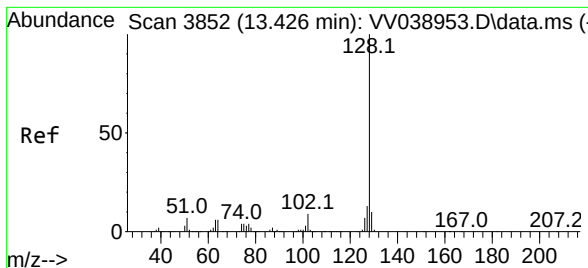
Ion Ratio Lower Upper

225 100

223 63.2 31.6 95.0

227 63.8 32.0 96.0





#95

Naphthalene

Concen: 9.155 ug/l

RT: 13.429 min Scan# 3853

Delta R.T. 0.003 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

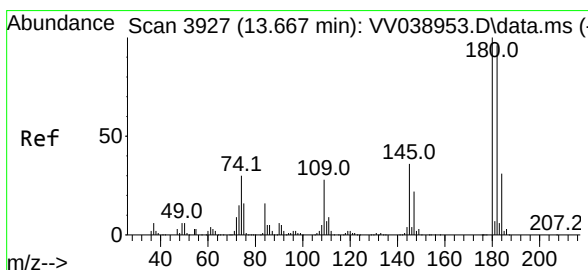
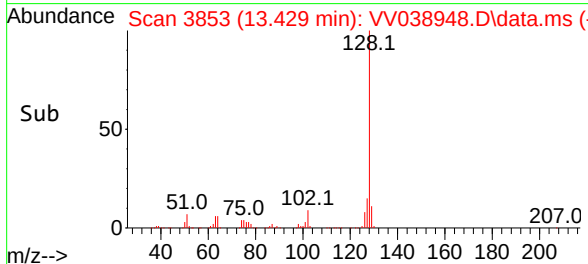
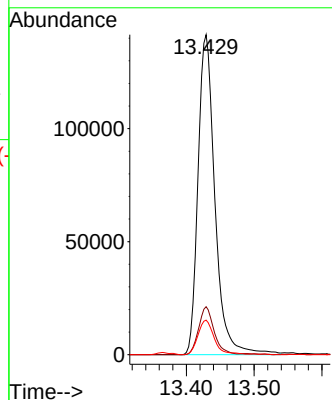
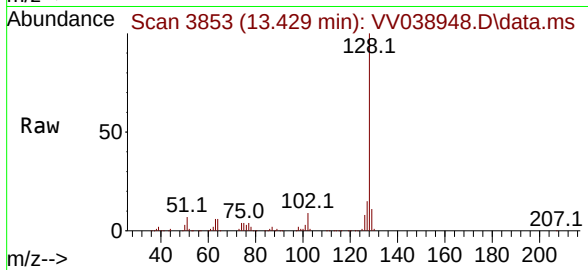
Tgt Ion:128 Resp: 245596

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 10.4 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 9.555 ug/l

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV038948.D

Acq: 13 Aug 2025 13:23

Tgt Ion:180 Resp: 82536

Ion Ratio Lower Upper

180 100

182 92.3 48.0 144.0

145 34.9 17.5 52.6

