

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112025\
 Data File : VV039414.D
 Acq On : 20 Nov 2025 08:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

Quant Time: Nov 21 03:06:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	294148	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	337217	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	247701	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	187941	4.649	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.545	69	172149	4.862	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.072	65	88378	4.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	3.783	46	320903	48.843	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.680%
24) Chloroform-d	4.246	84	450714	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	4.937	65	196695	5.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	4.953	84	810505	5.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	5.979	67	243493	5.036	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.233	98	792315	5.461	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
43) trans-1,3-Dichloroprop...	7.545	79	87665	5.081	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.011	63	252377	48.623	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.240%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	169398	5.225	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	11.545	152	251926	4.807	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	163406	5.154	ug/L	98
3) Chloromethane	1.230	50	116187	4.959	ug/L	98
5) Vinyl chloride	1.298	62	140880	5.158	ug/L	99
6) Bromomethane	1.500	94	85611	5.433	ug/L	99
8) Chloroethane	1.561	64	103621	5.178	ug/L	98
9) Trichlorofluoromethane	1.725	101	284046	5.332	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	180407	5.150	ug/L	98
12) 1,1-Dichloroethene	2.082	96	132407	5.289	ug/L	95
13) Acetone	2.118	43	262872	53.336	ug/L	100
14) Carbon disulfide	2.253	76	211940	5.108	ug/L	98
15) Methyl Acetate	2.384	43	56279	5.189	ug/L	96
16) Methylene chloride	2.455	84	171531	4.735	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	306847	5.096	ug/L	100
18) trans-1,2-Dichloroethene	2.703	96	138574	5.216	ug/L	99
19) 1,1-Dichloroethane	3.114	63	354109	5.337	ug/L	99
21) 2-Butanone	3.863	43	335378	50.187	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	175636	5.425	ug/L	98
23) Bromochloromethane	4.150	128	81893	5.565	ug/L	92
25) Chloroform	4.275	83	395042	5.451	ug/L	97

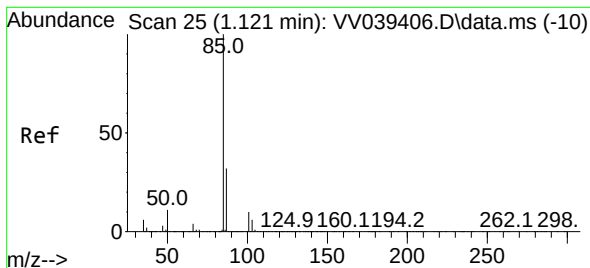
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112025\
 Data File : VV039414.D
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Nov 21 03:06:37 2025
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	203060	5.525	ug/L	100
29) 1,1,1-Trichloroethane	4.506	97	332271	5.290	ug/L	98
30) Cyclohexane	4.580	56	171560	4.788	ug/L	98
31) Carbon tetrachloride	4.732	117	286575	5.181	ug/L	99
33) Benzene	5.005	78	692475	5.587	ug/L	100
34) Trichloroethene	5.828	95	170485	5.016	ug/L	96
35) Methylcyclohexane	6.040	83	184595	4.839	ug/L	98
37) 1,2-Dichloropropane	6.085	63	201490	5.485	ug/L #	95
38) Bromodichloromethane	6.423	83	272162	5.336	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	237398	5.091	ug/L	100
40) 4-Methyl-2-pentanone	7.143	43	916240	56.160	ug/L	99
42) Toluene	7.304	91	766205	5.781	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	212198	5.113	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	142991	5.311	ug/L	96
47) Tetrachloroethene	7.895	164	156346	5.122	ug/L	99
48) 2-Hexanone	8.059	43	686847	56.686	ug/L	98
49) Dibromochloromethane	8.162	129	179897	5.277	ug/L	99
50) 1,2-Dibromoethane	8.272	107	119908	5.314	ug/L	96
51) Chlorobenzene	8.802	112	506610	5.296	ug/L	99
52) Ethylbenzene	8.934	91	764986	5.330	ug/L	99
53) m,p-Xylene	9.059	106	303303	5.501	ug/L	98
54) o-Xylene	9.464	106	280679	5.270	ug/L	99
55) Styrene	9.484	104	546883	5.798	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.162	83	162029	5.053	ug/L	97
59) Bromoform	9.654	173	105302	4.740	ug/L	100
60) Isopropylbenzene	9.854	105	810870	5.091	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	107820	4.859	ug/L	98
62) 1,3,5-Trimethylbenzene	10.461	105	580659	4.749	ug/L	99
63) 1,2,4-Trimethylbenzene	10.837	105	612443	5.052	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	455761	5.206	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	465362	5.154	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	408111	5.139	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.352	75	21648	4.165	ug/L	99
69) 1,3,5-Trichlorobenzene	12.567	180	316348	4.796	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	233529	4.647	ug/L	99
71) Naphthalene	13.426	128	275295	4.445	ug/L	99
72) 1,2,3-Trichlorobenzene	13.664	180	210071	4.679	ug/L	98

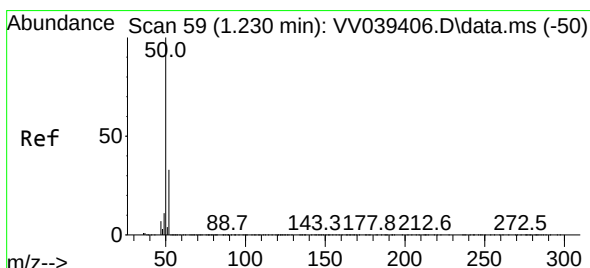
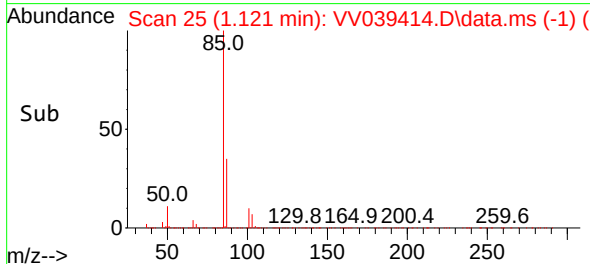
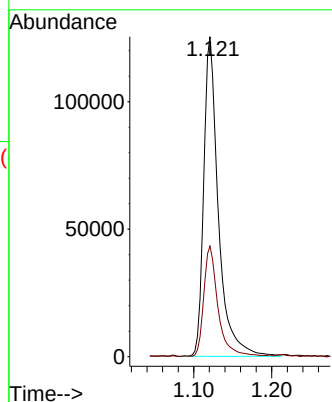
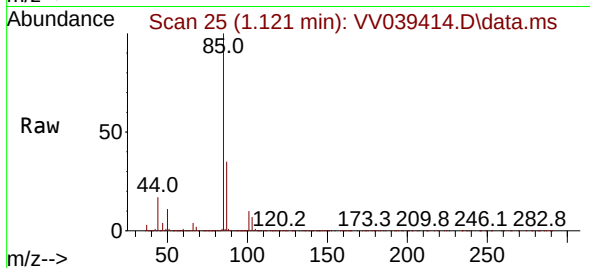
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.154 ug/L
RT: 1.121 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

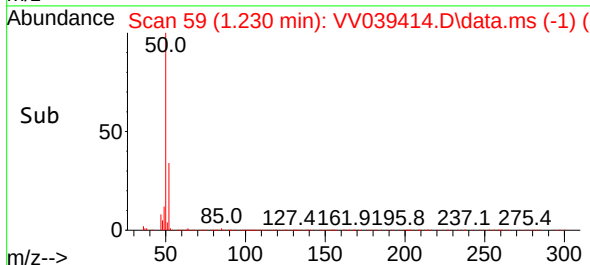
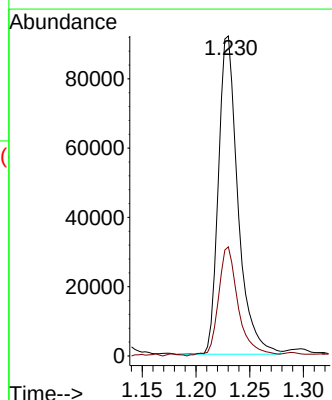
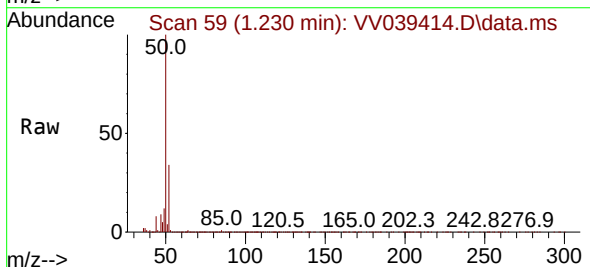
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

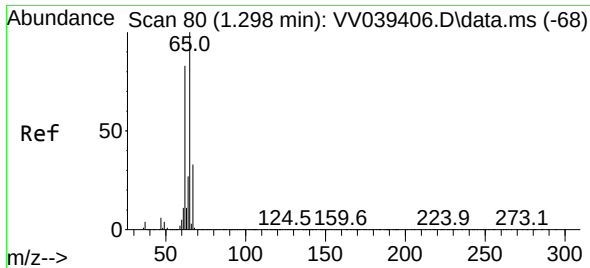
Tgt Ion: 85 Resp: 163406
Ion Ratio Lower Upper
85 100
87 33.2 25.8 38.8



#3
Chloromethane
Concen: 4.959 ug/L
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 50 Resp: 116187
Ion Ratio Lower Upper
50 100
52 34.1 23.2 43.2

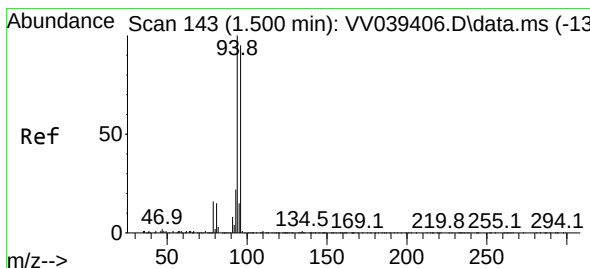
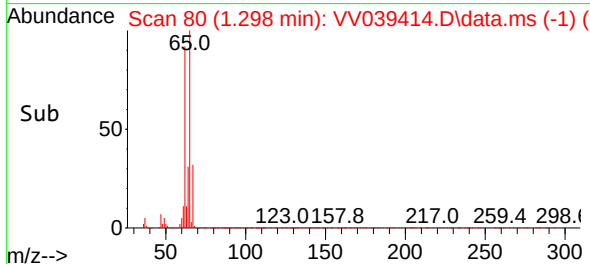
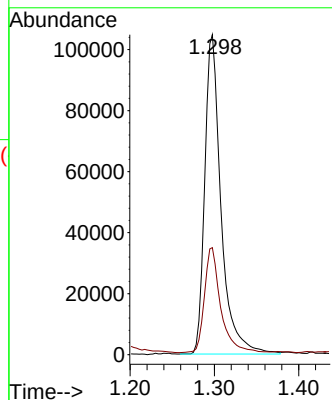
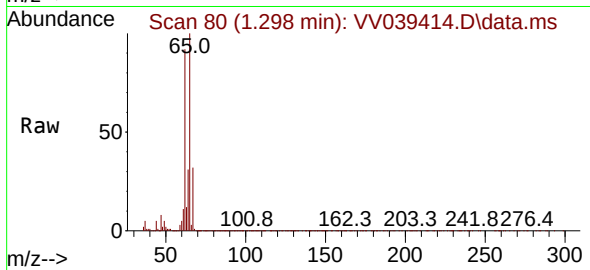




#5
 Vinyl chloride
 Concen: 5.158 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

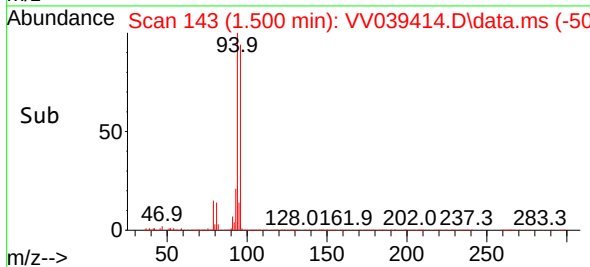
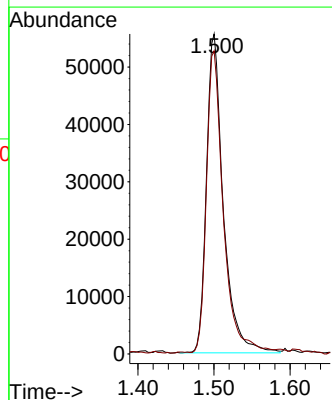
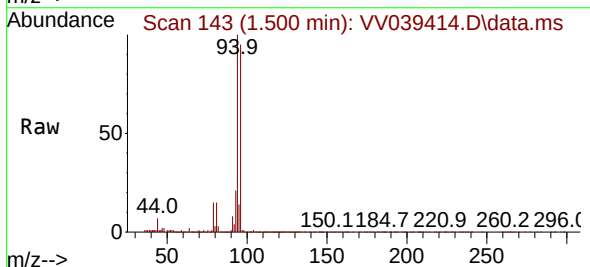
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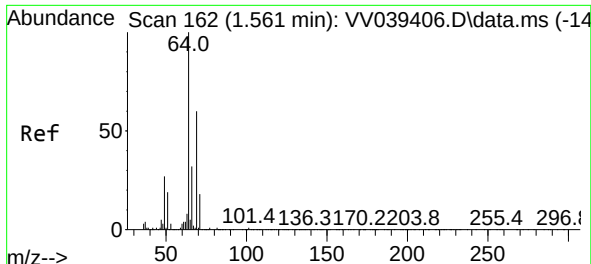
Tgt Ion: 62 Resp: 140880
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 44.1



#6
 Bromomethane
 Concen: 5.433 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

Tgt Ion: 94 Resp: 85611
 Ion Ratio Lower Upper
 94 100
 96 94.8 67.2 124.8

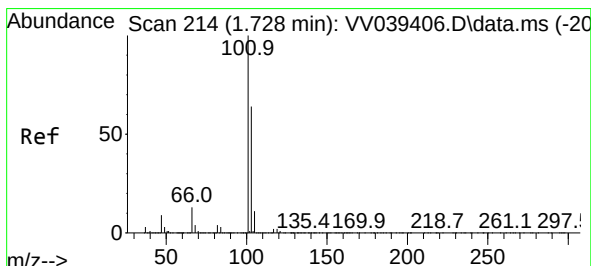
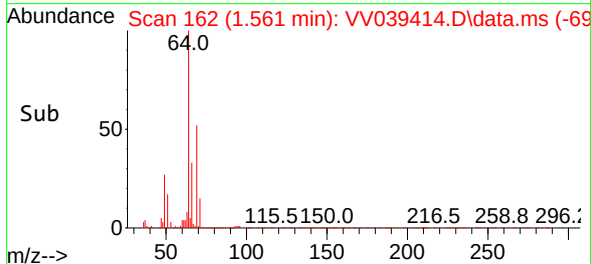
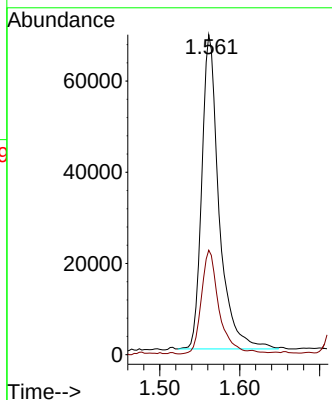
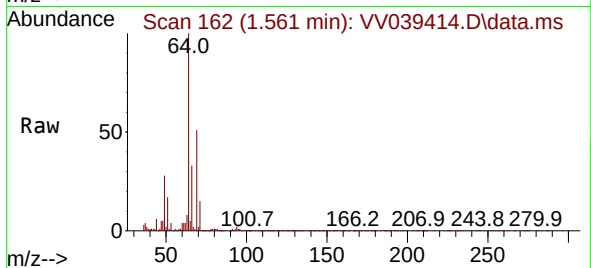




#8
Chloroethane
Concen: 5.178 ug/L
RT: 1.561 min Scan# 10
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

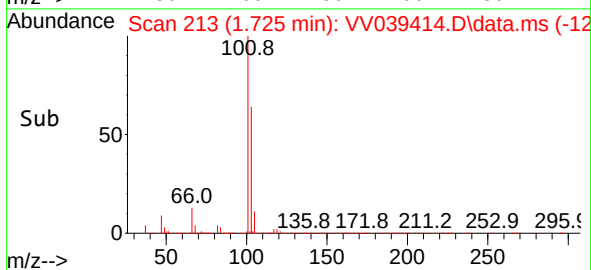
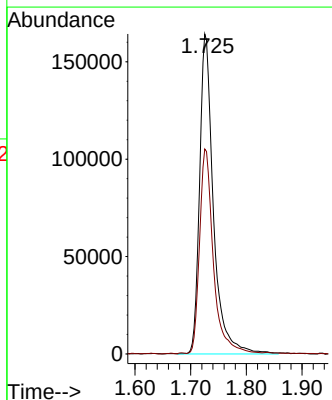
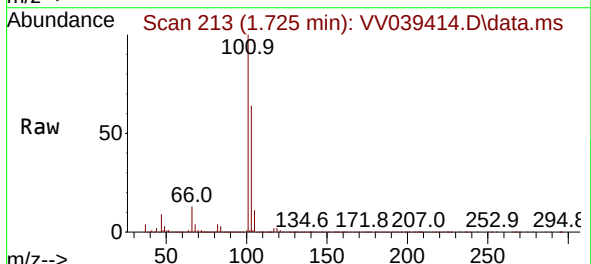
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ClientSampleId :
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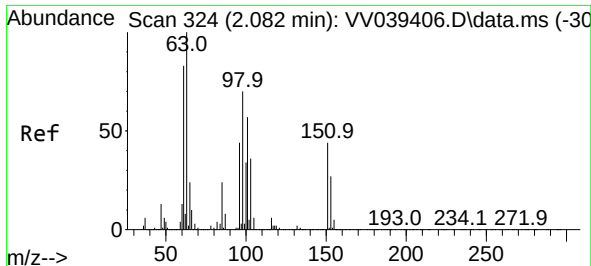
Tgt Ion: 64 Resp: 103621
Ion Ratio Lower Upper
64 100
66 32.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.332 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 101 Resp: 284046
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2

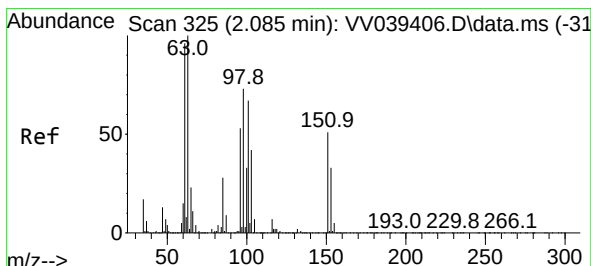
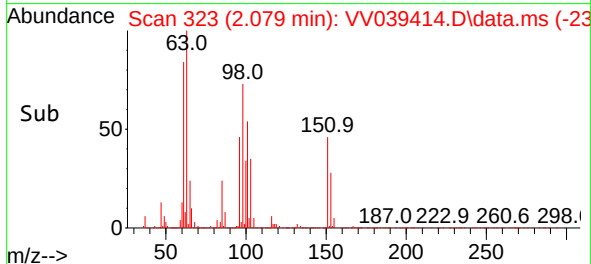
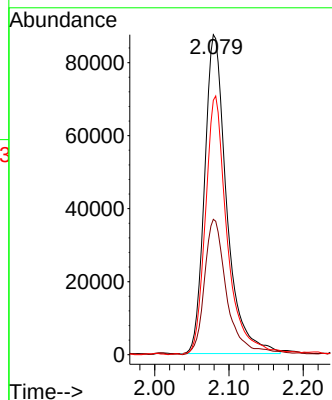
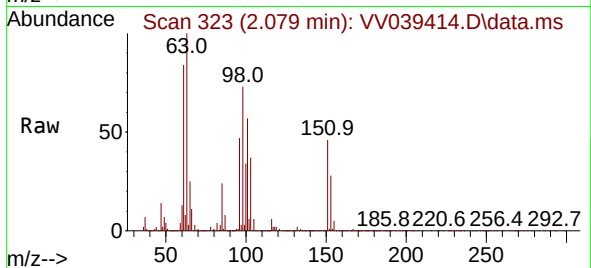




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.150 ug/L
 RT: 2.079 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

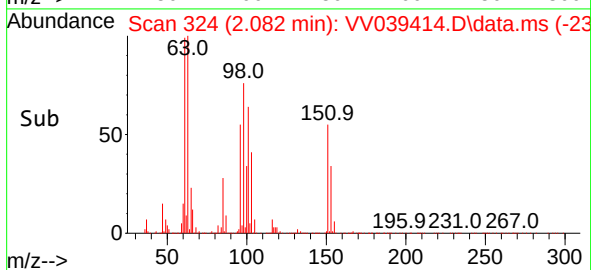
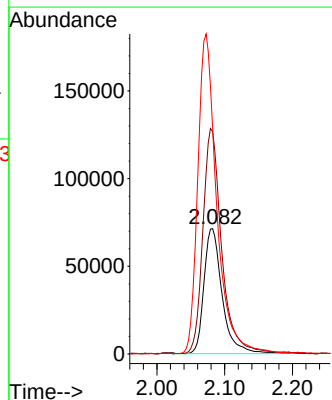
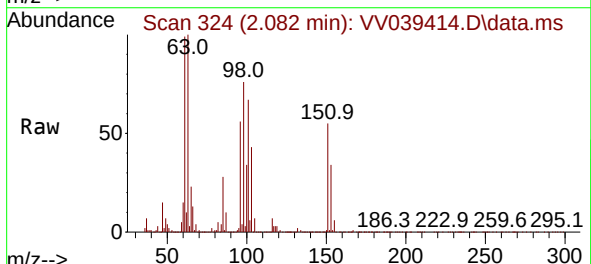
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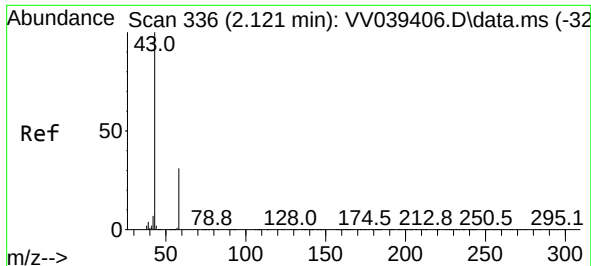
Tgt Ion:101 Resp: 180407
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.0 51.0
 151 80.2 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 5.289 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. -0.003 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

Tgt Ion: 96 Resp: 132407
 Ion Ratio Lower Upper
 96 100
 61 177.2 127.7 237.1
 63 179.7 132.6 246.2

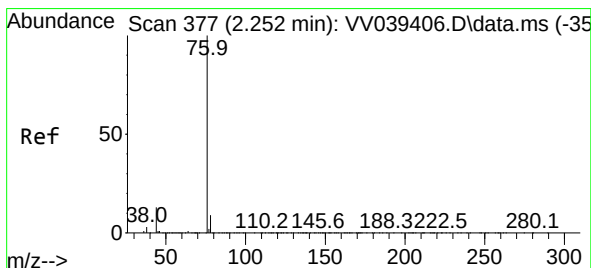
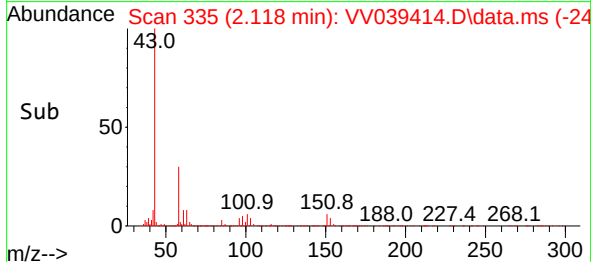
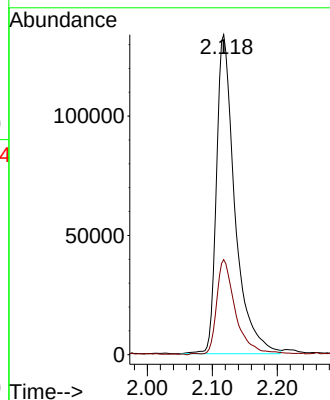
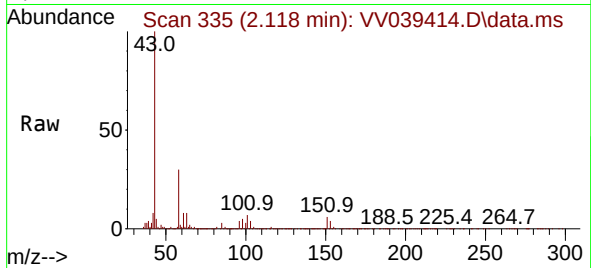




#13
Acetone
Concen: 53.336 ug/L
RT: 2.118 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

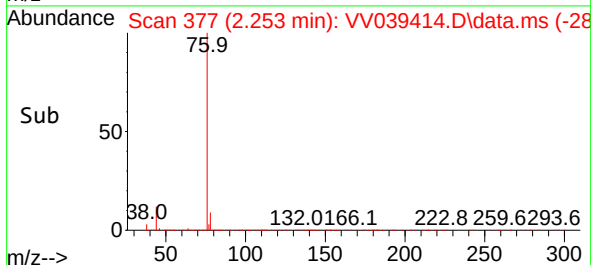
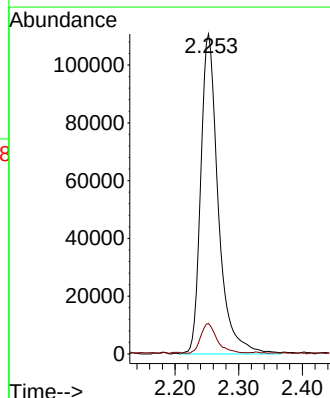
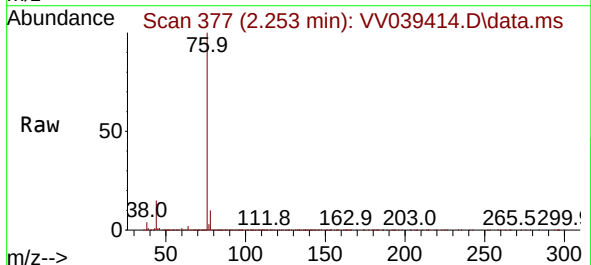
Instrument :
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VSTD005361

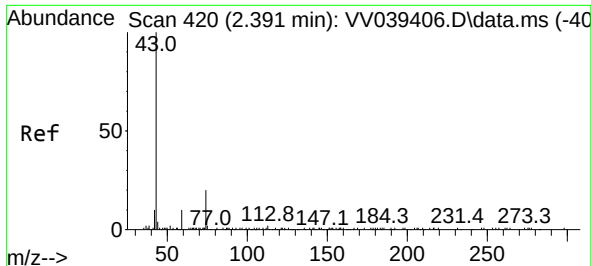
Tgt Ion: 43 Resp: 262872
Ion Ratio Lower Upper
43 100
58 29.8 0.0 60.0



#14
Carbon disulfide
Concen: 5.108 ug/L
RT: 2.253 min Scan# 377
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 76 Resp: 211940
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

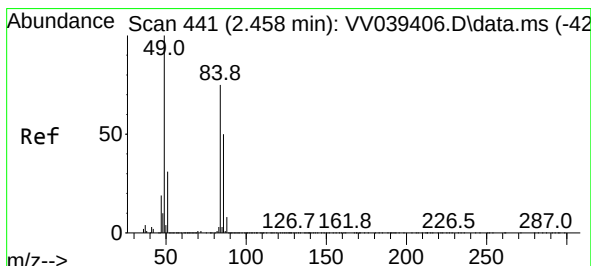
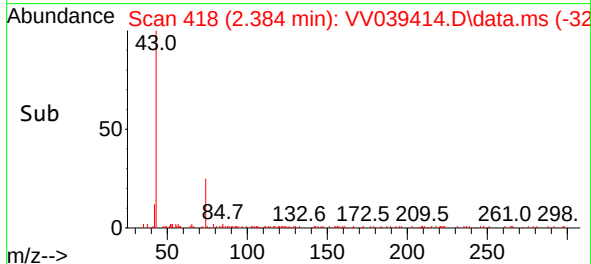
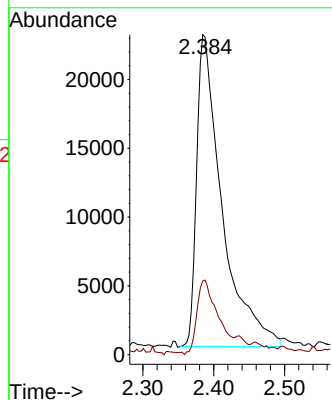
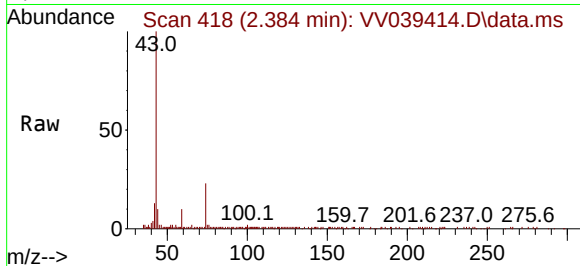




#15
Methyl Acetate
Concen: 5.189 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

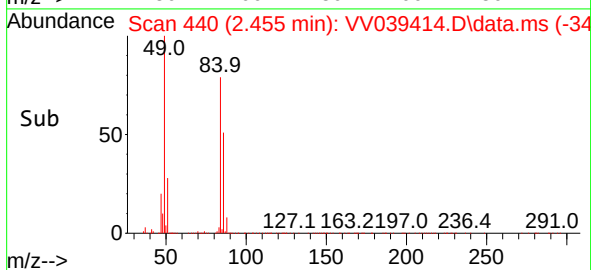
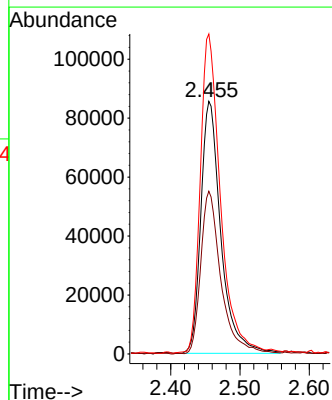
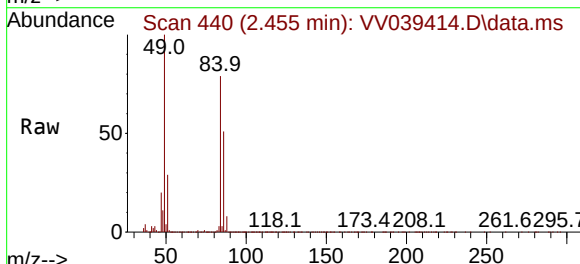
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

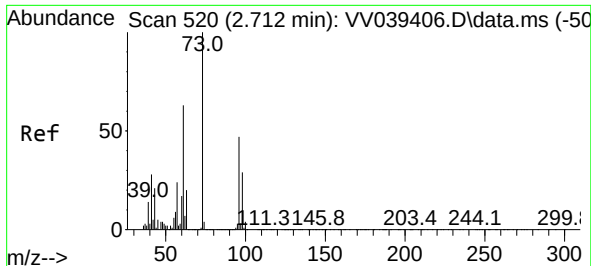
Tgt Ion: 43 Resp: 56279
Ion Ratio Lower Upper
43 100
74 20.1 14.5 21.7



#16
Methylene chloride
Concen: 4.735 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 84 Resp: 171531
Ion Ratio Lower Upper
84 100
86 64.4 46.8 87.0
49 126.7 93.0 172.8





#17

Methyl tert-butyl Ether

Concen: 5.096 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

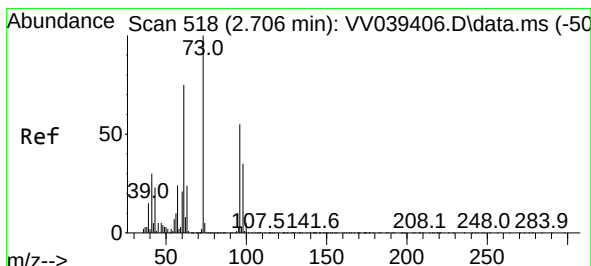
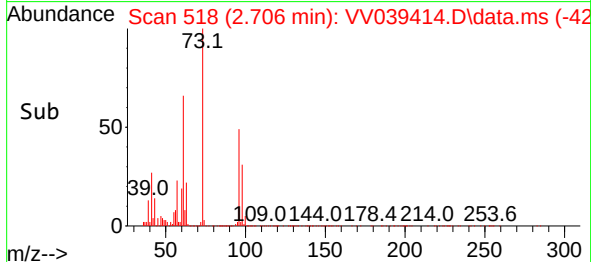
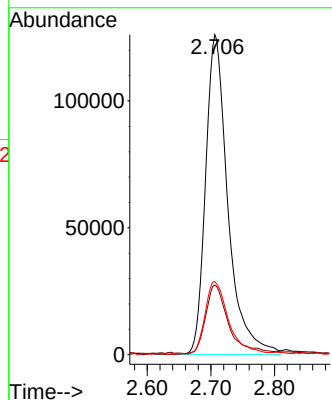
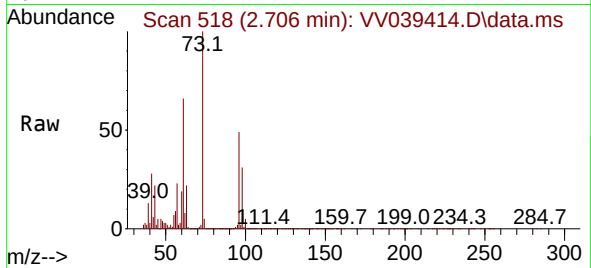
Tgt Ion: 73 Resp: 306847

Ion Ratio Lower Upper

73 100

43 22.0 17.4 26.2

57 23.6 18.8 28.2



#18

trans-1,2-Dichloroethene

Concen: 5.216 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

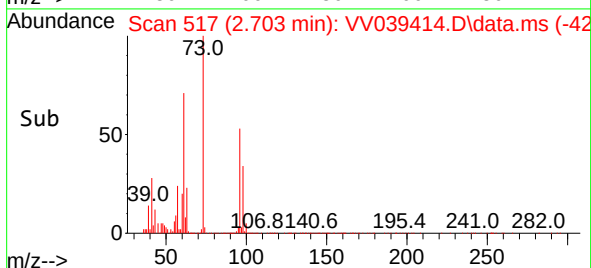
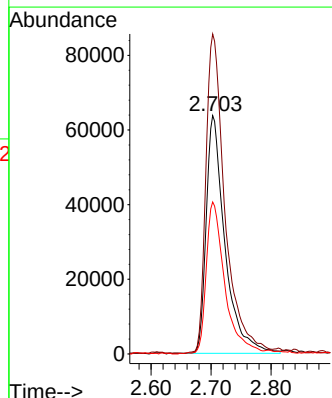
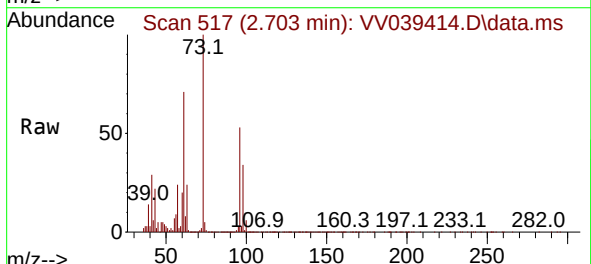
Tgt Ion: 96 Resp: 138574

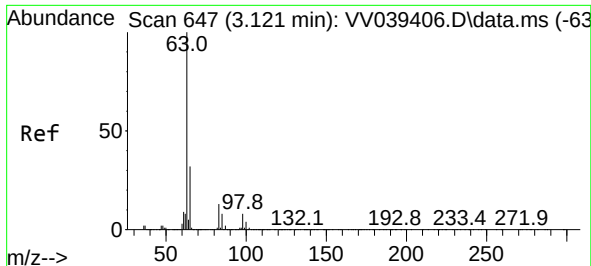
Ion Ratio Lower Upper

96 100

61 134.2 94.7 175.9

98 63.8 44.2 82.0

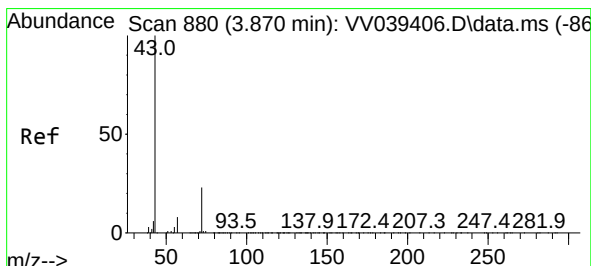
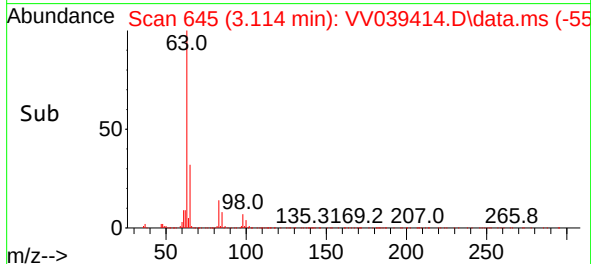
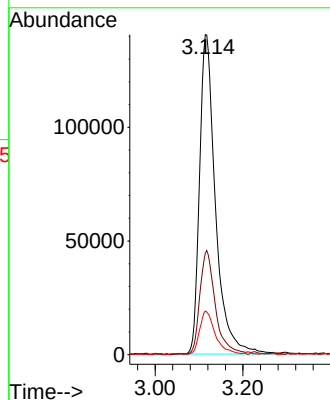
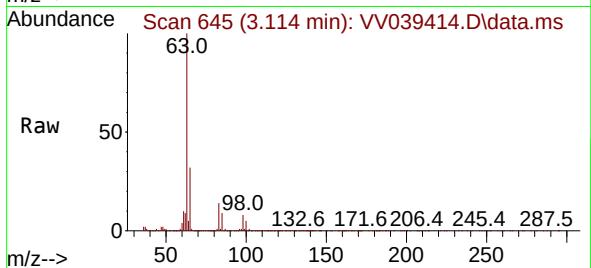




#19
1,1-Dichloroethane
Concen: 5.337 ug/L
RT: 3.114 min Scan# 64
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

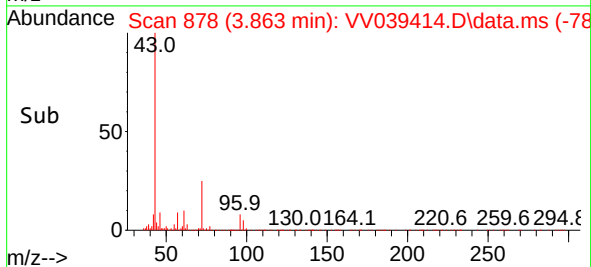
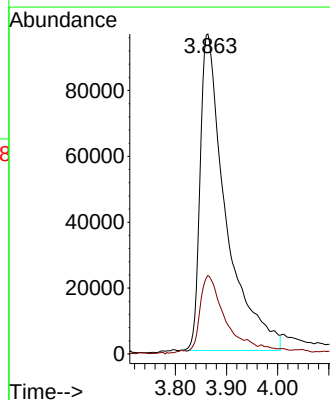
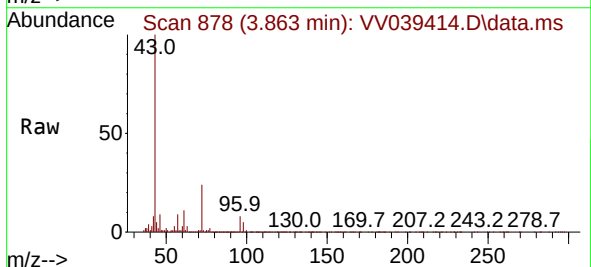
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

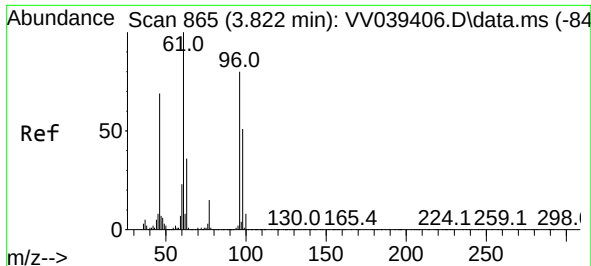
Tgt Ion: 63 Resp: 354109
Ion Ratio Lower Upper
63 100
65 31.8 22.9 42.5
83 13.6 9.2 17.2



#21
2-Butanone
Concen: 50.187 ug/L
RT: 3.863 min Scan# 878
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 43 Resp: 335378
Ion Ratio Lower Upper
43 100
72 21.0 11.7 35.0

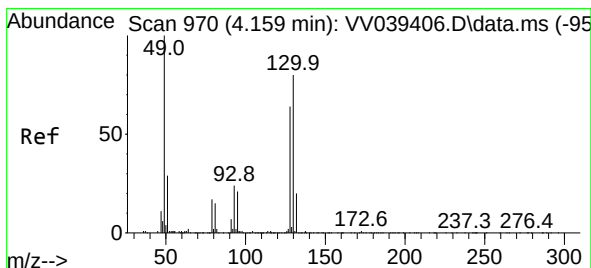
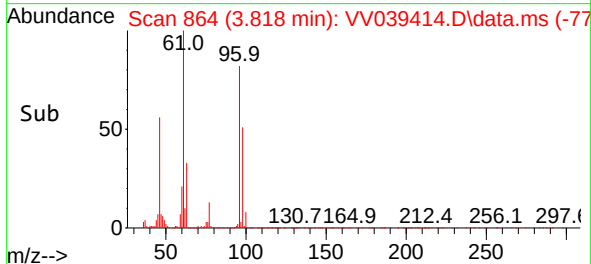
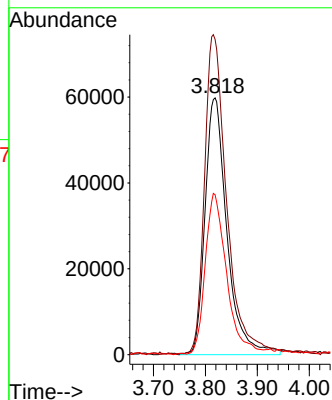
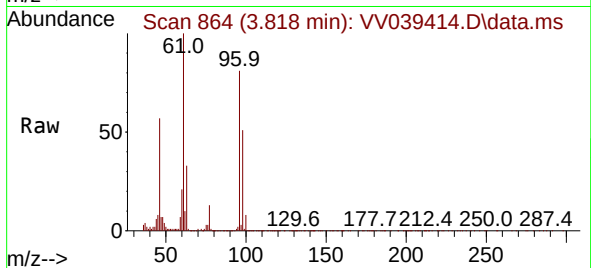




#22
cis-1,2-Dichloroethene
Concen: 5.425 ug/L
RT: 3.818 min Scan# 865
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

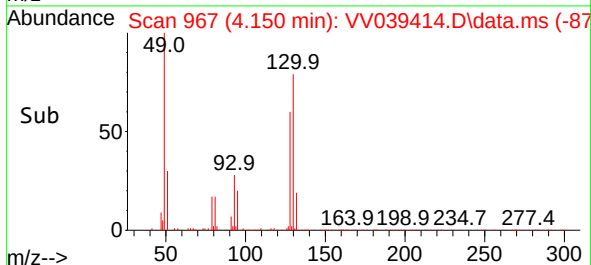
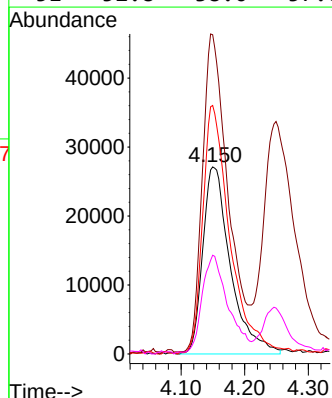
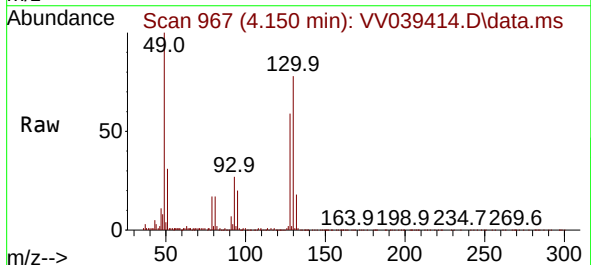
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

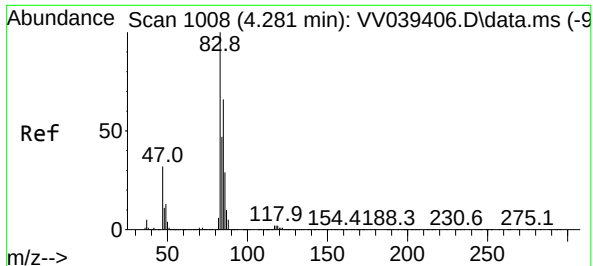
Tgt Ion: 96 Resp: 175636
Ion Ratio Lower Upper
96 100
61 122.8 87.1 161.7
98 62.3 44.7 83.1



#23
Bromochloromethane
Concen: 5.565 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.010 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 128 Resp: 81893
Ion Ratio Lower Upper
128 100
49 170.8 110.7 205.5
130 132.9 88.2 163.8
51 52.8 38.0 57.0

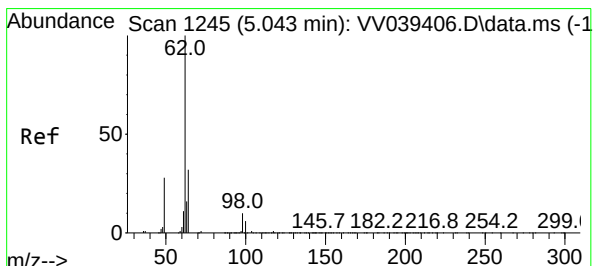
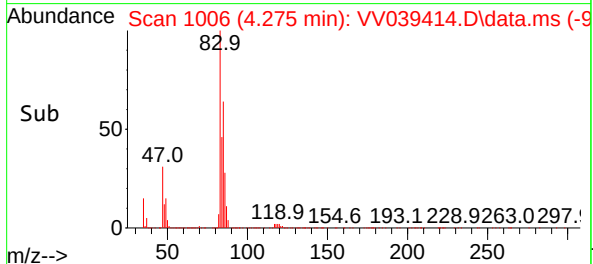
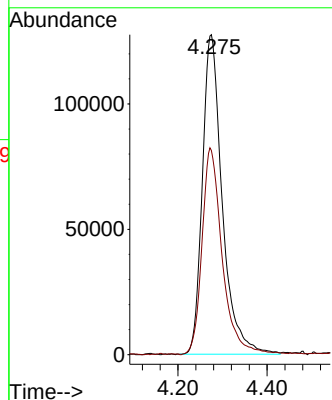
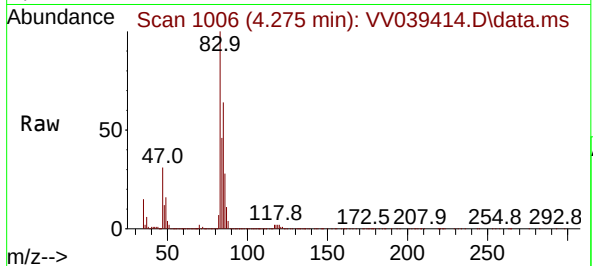




#25
Chloroform
Concen: 5.451 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

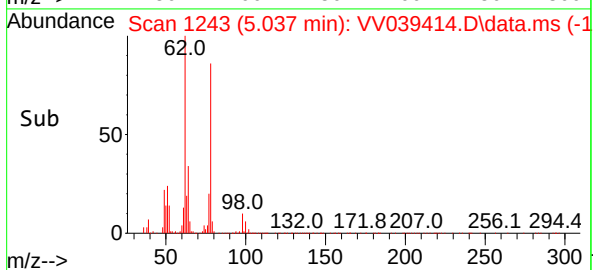
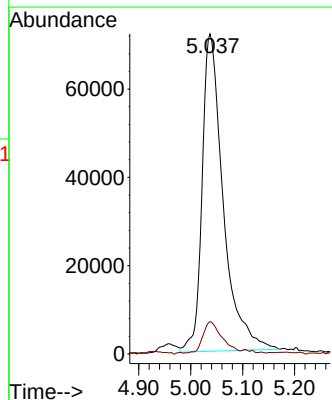
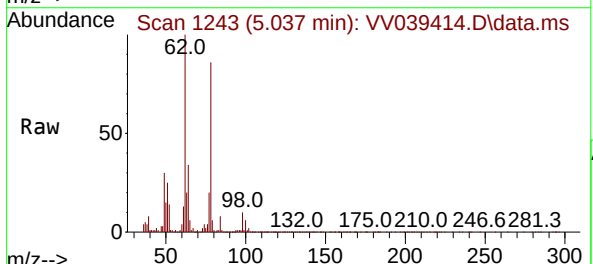
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

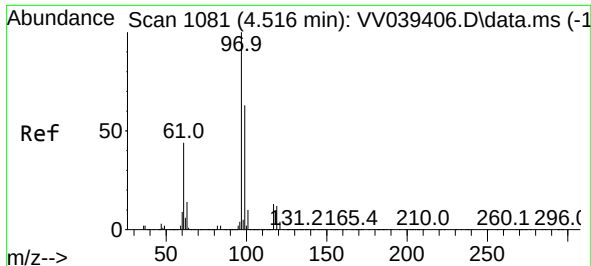
Tgt Ion: 83 Resp: 395042
Ion Ratio Lower Upper
83 100
85 63.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.525 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 62 Resp: 203060
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.290 ug/L

RT: 4.506 min Scan# 1101

Delta R.T. -0.010 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

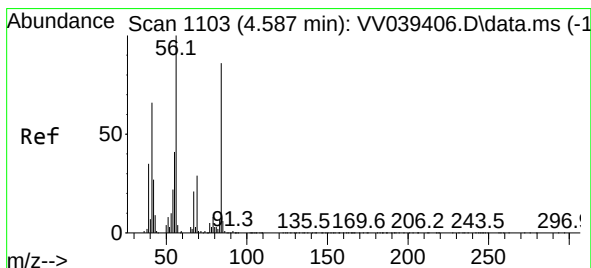
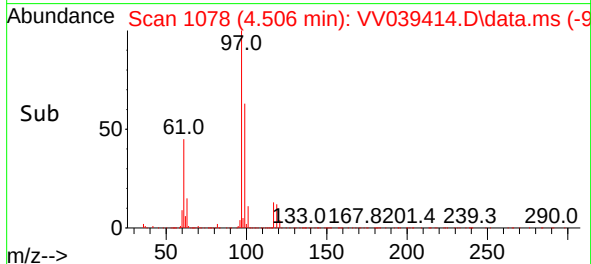
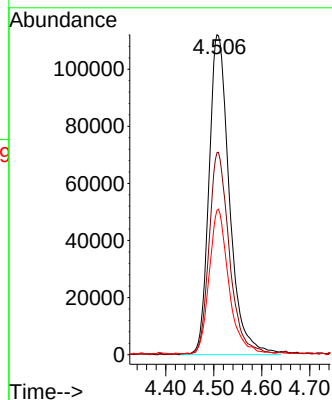
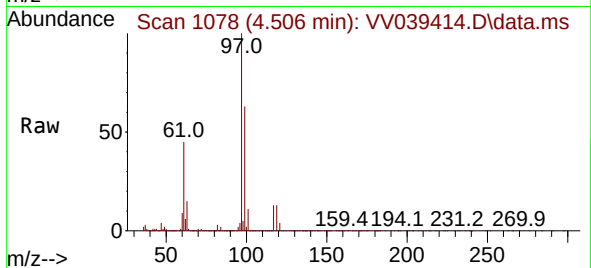
Tgt Ion: 97 Resp: 332271

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

61 43.1 36.6 55.0



#30

Cyclohexane

Concen: 4.788 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

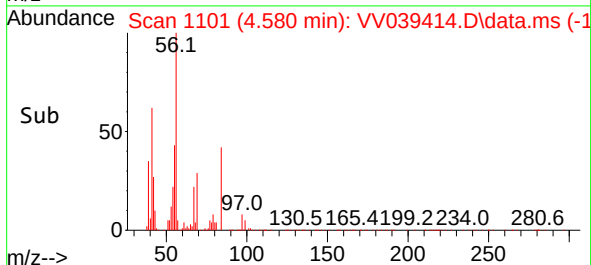
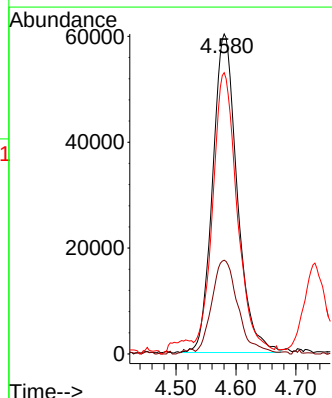
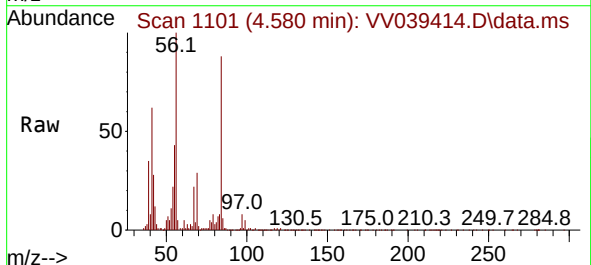
Tgt Ion: 56 Resp: 171560

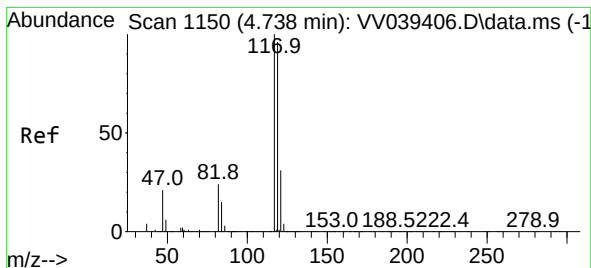
Ion Ratio Lower Upper

56 100

69 30.5 23.7 35.5

84 88.4 72.6 109.0





#31

Carbon tetrachloride

Concen: 5.181 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

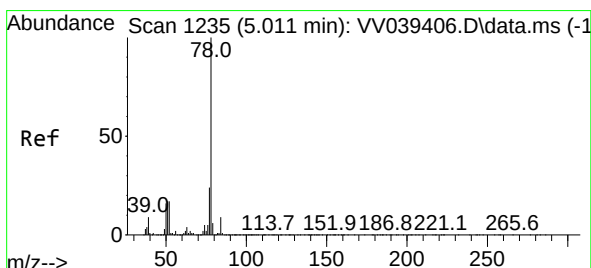
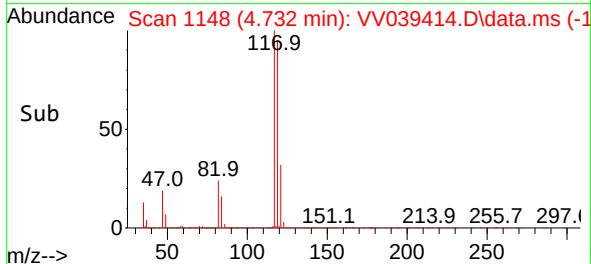
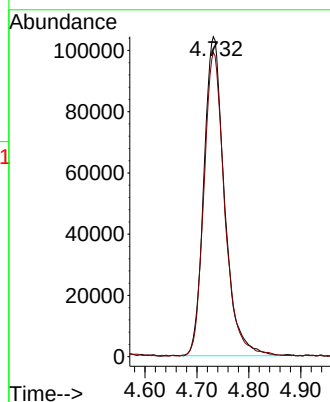
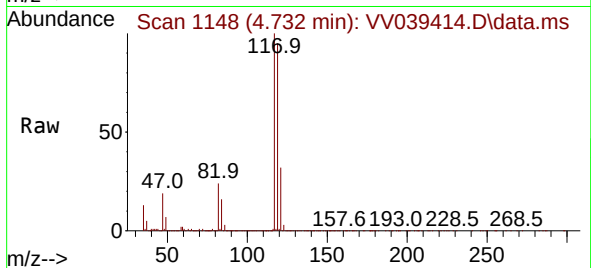
VSTD005361

Tgt Ion:117 Resp: 286575

Ion Ratio Lower Upper

117 100

119 95.6 75.4 113.2



#33

Benzene

Concen: 5.587 ug/L

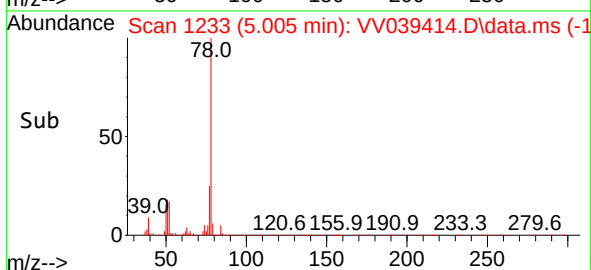
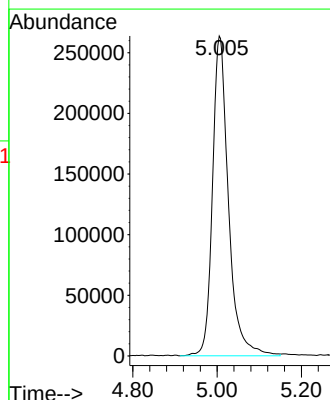
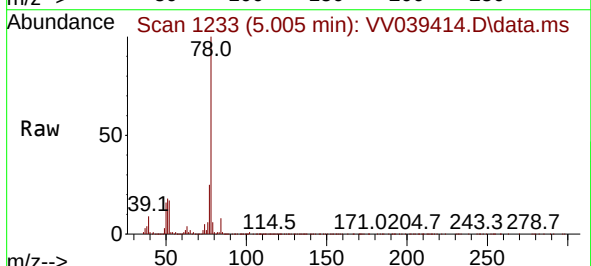
RT: 5.005 min Scan# 1233

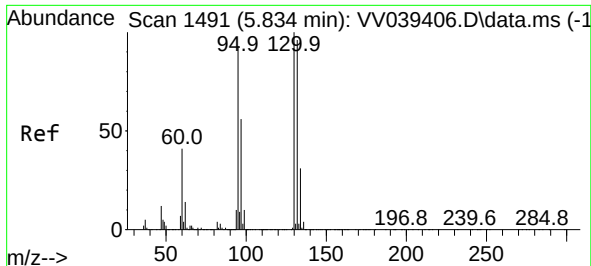
Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Tgt Ion: 78 Resp: 692475



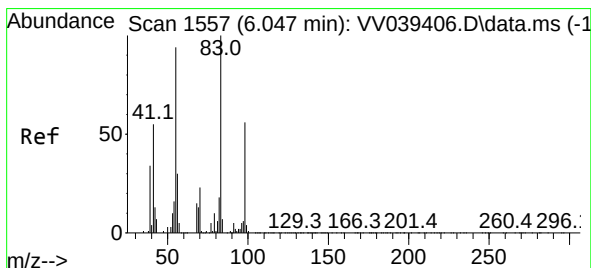
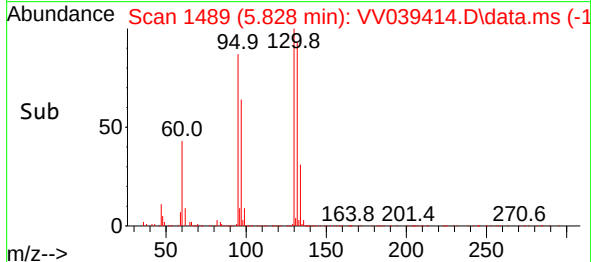
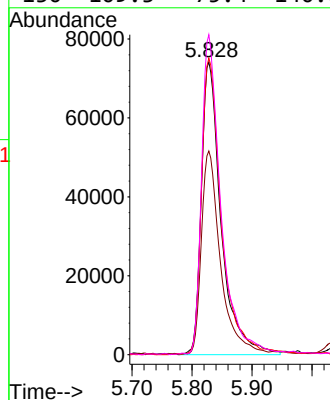
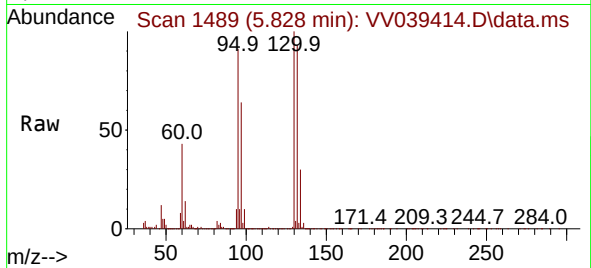


#34
Trichloroethene
Concen: 5.016 ug/L
RT: 5.828 min Scan# 1491
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion: 95 Resp: 170485

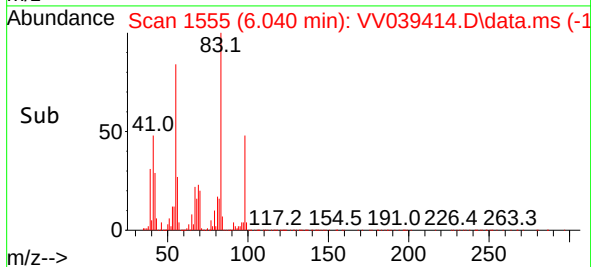
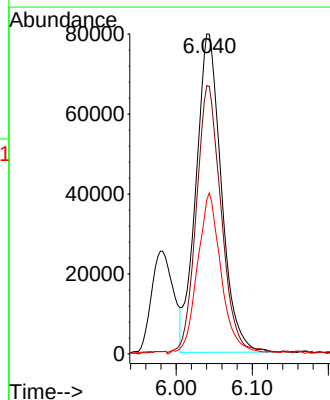
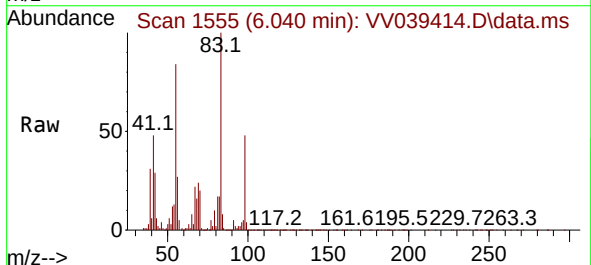
Ion	Ratio	Lower	Upper
95	100		
97	69.6	42.7	79.3
132	101.3	72.0	133.6
130	109.3	75.4	140.0

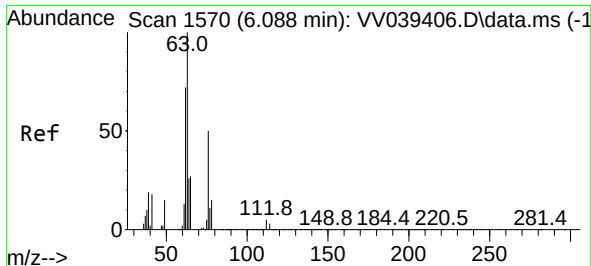


#35
Methylcyclohexane
Concen: 4.839 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 83 Resp: 184595

Ion	Ratio	Lower	Upper
83	100		
55	81.7	64.0	96.0
98	47.6	37.0	55.4





#37

1,2-Dichloropropane

Concen: 5.485 ug/L

RT: 6.085 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

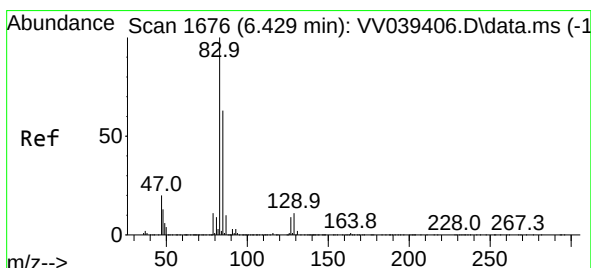
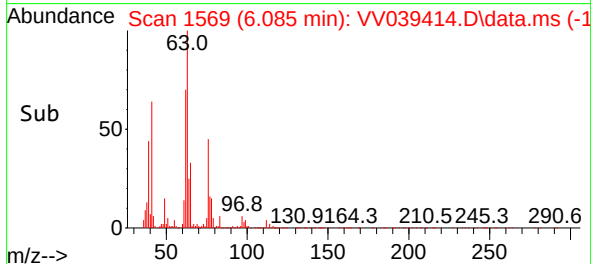
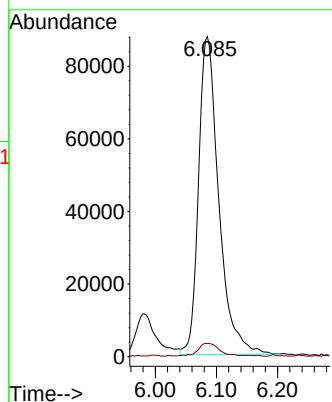
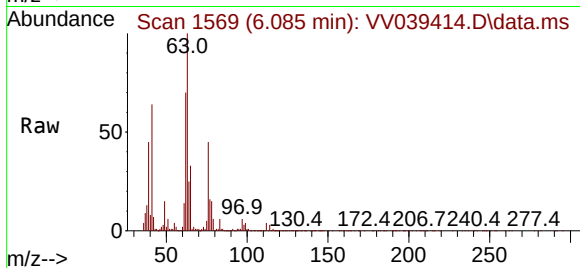
VSTD005361

Tgt Ion: 63 Resp: 201490

Ion Ratio Lower Upper

63 100

112 4.0 4.4 6.6#



#38

Bromodichloromethane

Concen: 5.336 ug/L

RT: 6.423 min Scan# 1674

Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

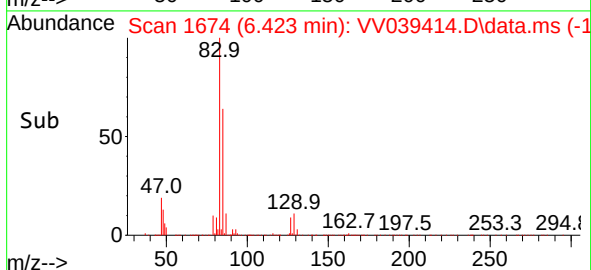
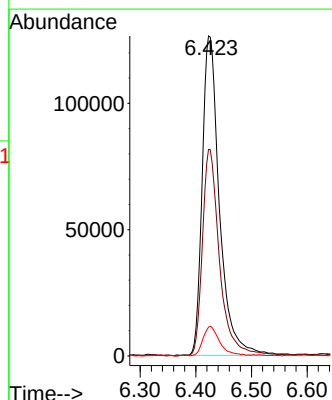
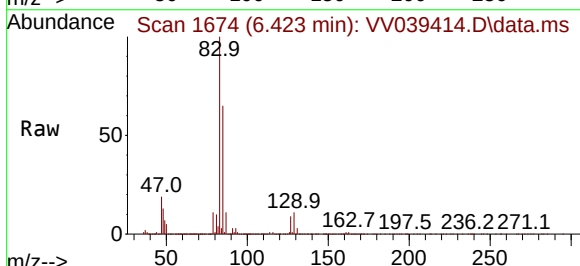
Tgt Ion: 83 Resp: 272162

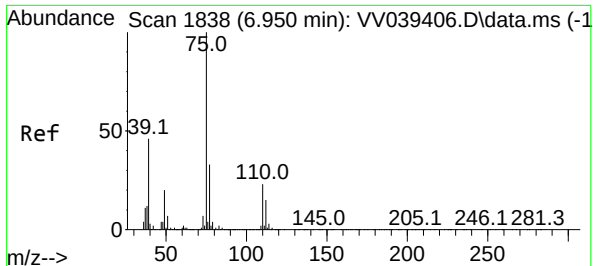
Ion Ratio Lower Upper

83 100

85 64.5 43.8 81.4

127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.091 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

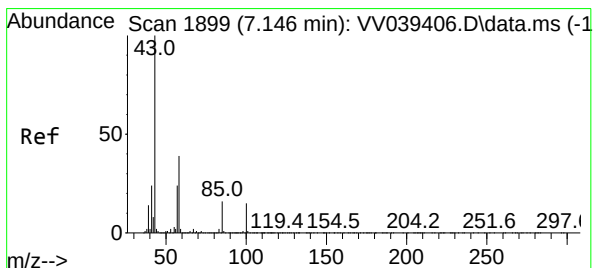
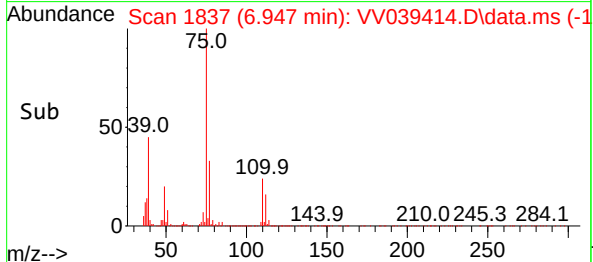
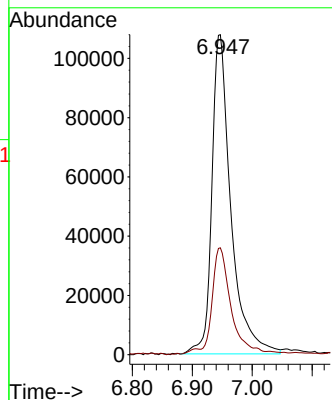
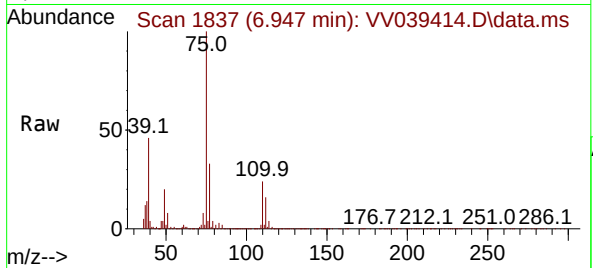
VSTD005361

Tgt Ion: 75 Resp: 237398

Ion Ratio Lower Upper

75 100

77 33.4 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 56.160 ug/L

RT: 7.143 min Scan# 1898

Delta R.T. -0.003 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

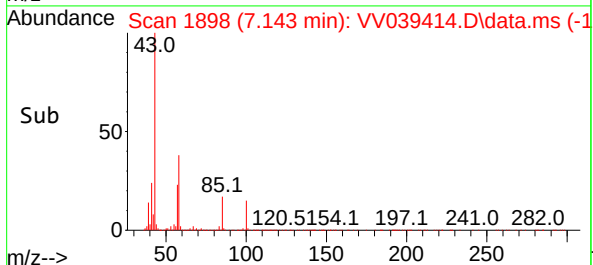
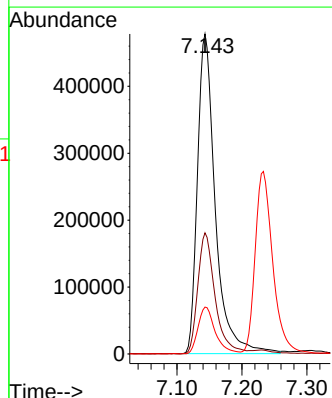
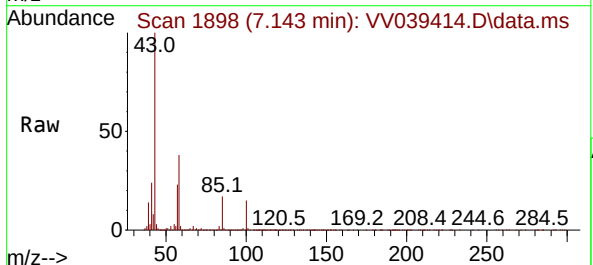
Tgt Ion: 43 Resp: 916240

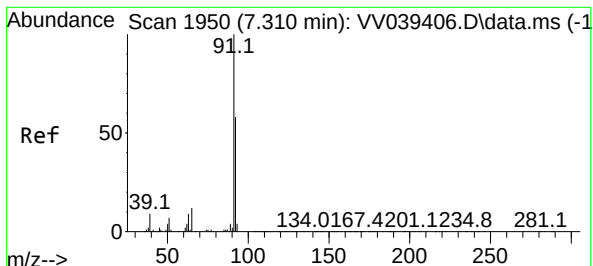
Ion Ratio Lower Upper

43 100

58 36.5 29.6 44.4

100 14.3 11.4 17.0





#42

Toluene

Concen: 5.781 ug/L

RT: 7.304 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

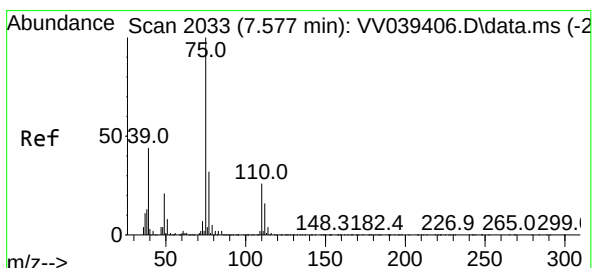
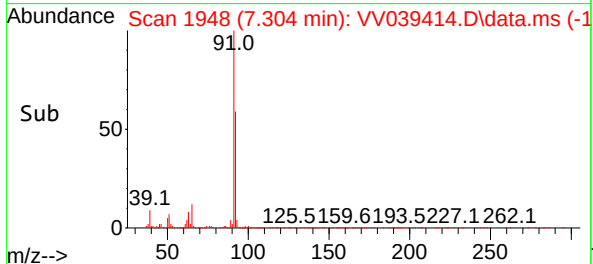
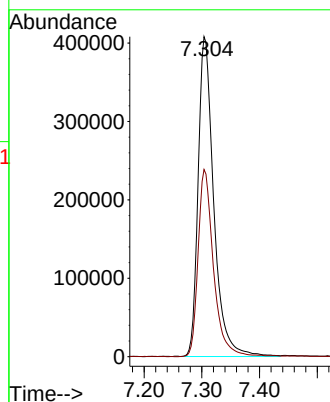
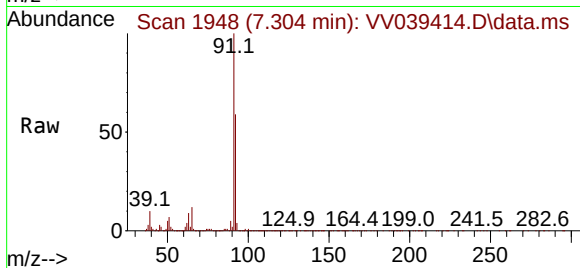
VSTD005361

Tgt Ion: 91 Resp: 766205

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.113 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VV039414.D

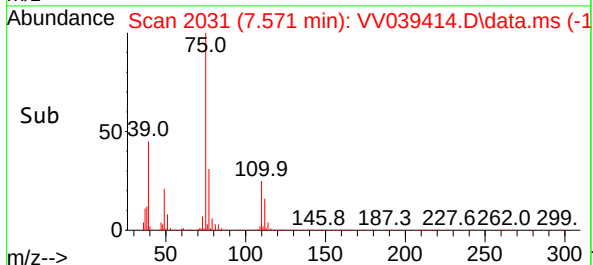
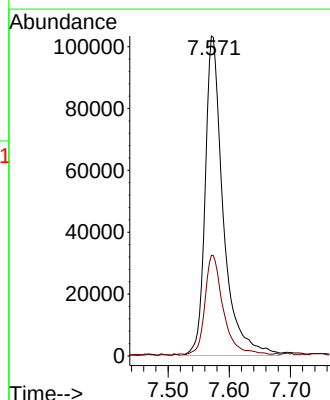
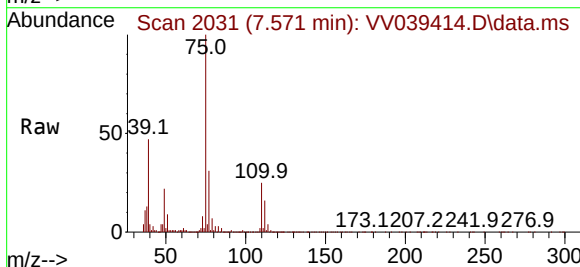
Acq: 20 Nov 2025 08:53

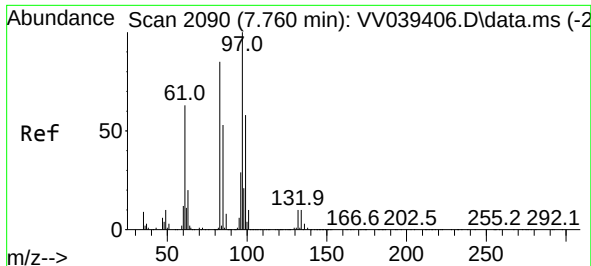
Tgt Ion: 75 Resp: 212198

Ion Ratio Lower Upper

75 100

77 31.5 22.9 42.5

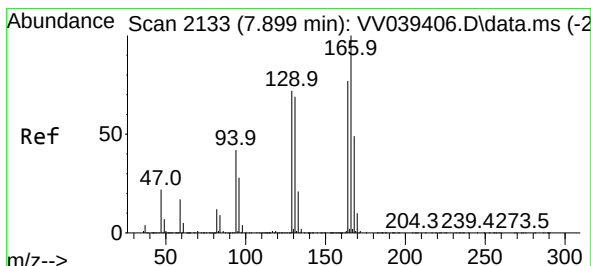
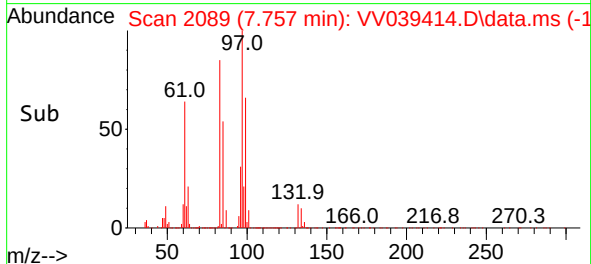
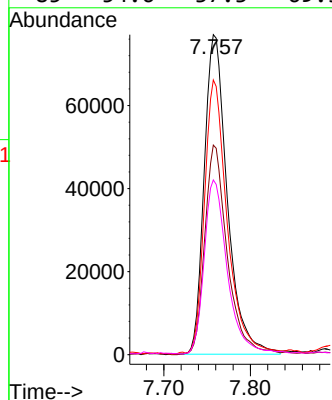
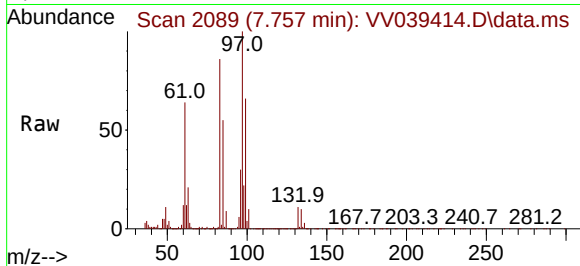




#45
1,1,2-Trichloroethane
Concen: 5.311 ug/L
RT: 7.757 min Scan# 2090
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

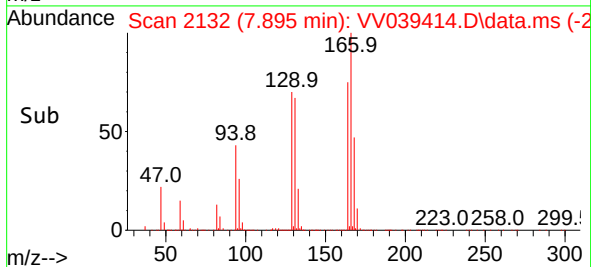
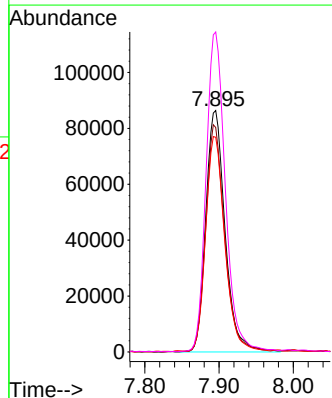
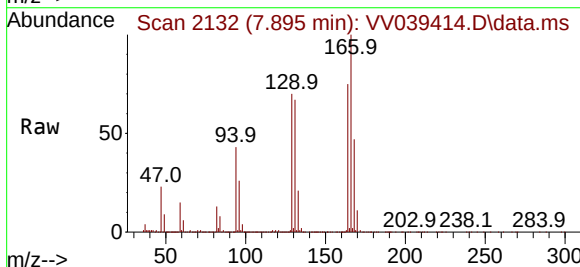
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

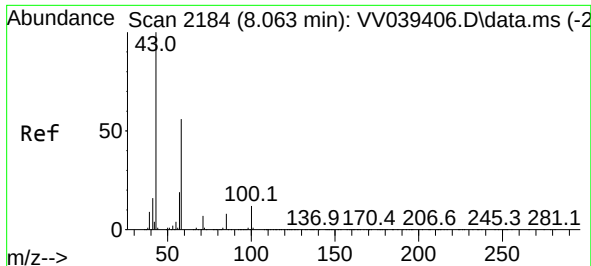
Tgt Ion: 97	Resp: 142991
Ion Ratio	Lower Upper
97 100	
99 65.5	40.8 75.8
83 85.8	59.8 111.1
85 54.6	37.3 69.3



#47
Tetrachloroethene
Concen: 5.122 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt	Ion:164	Resp:	156346
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.8	122.2
131	89.0	62.6	116.2
166	132.5	91.0	169.0



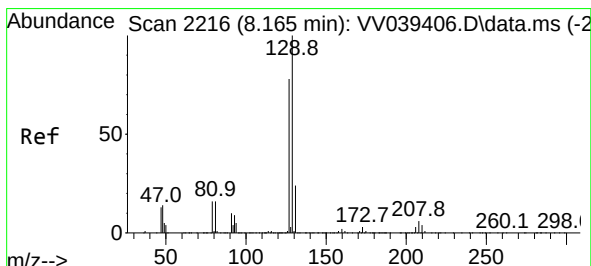
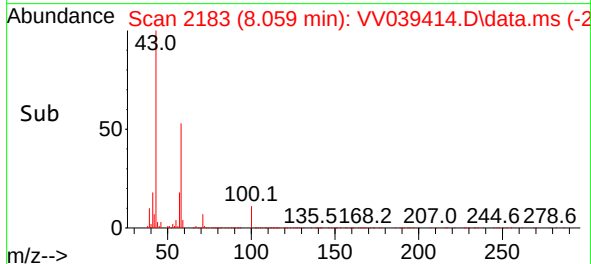
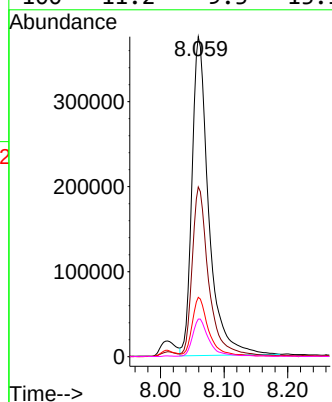
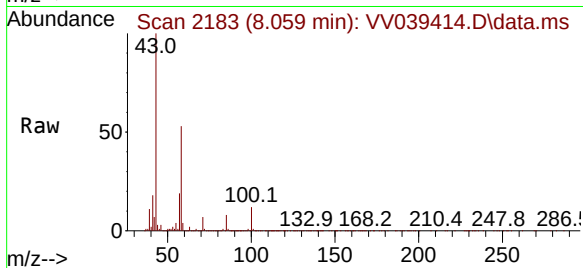


#48
2-Hexanone
Concen: 56.686 ug/L
RT: 8.059 min Scan# 2183
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion: 43 Resp: 686847

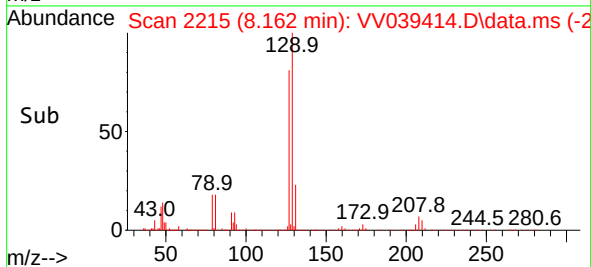
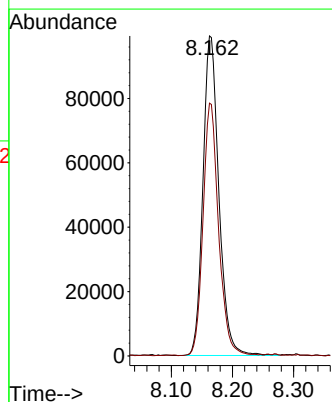
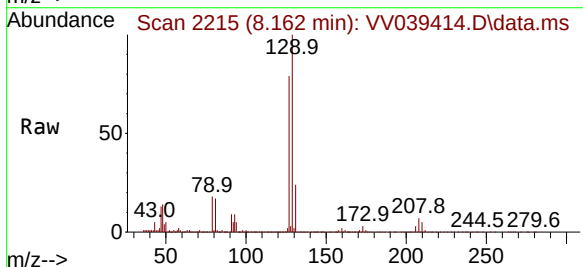
Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.4	65.2
57	18.0	15.0	22.6
100	11.2	9.3	13.9

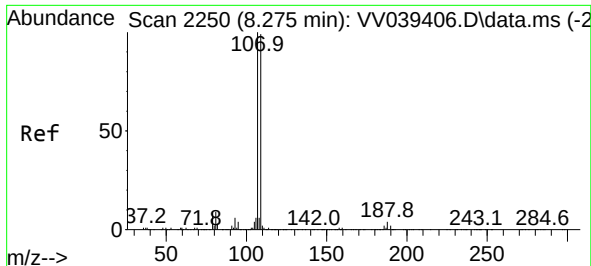


#49
Dibromochloromethane
Concen: 5.277 ug/L
RT: 8.162 min Scan# 2215
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 129 Resp: 179897

Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.6	101.4

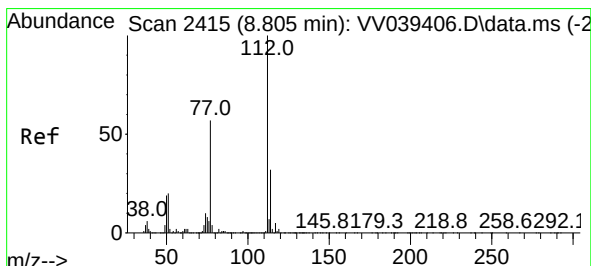
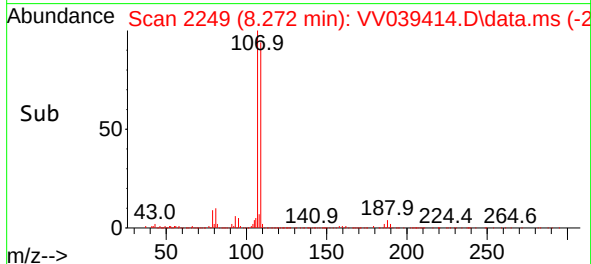
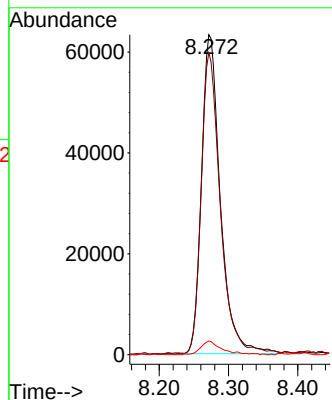
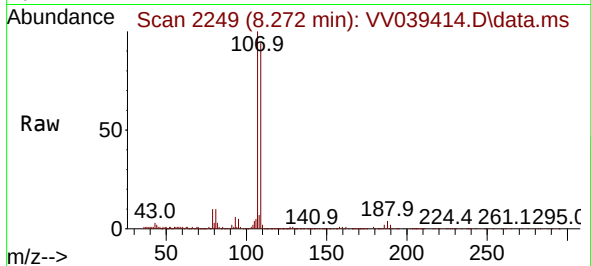




#50
1,2-Dibromoethane
Concen: 5.314 ug/L
RT: 8.272 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

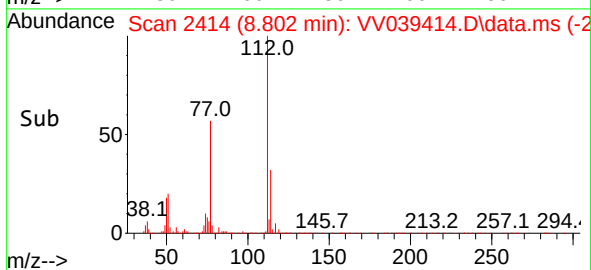
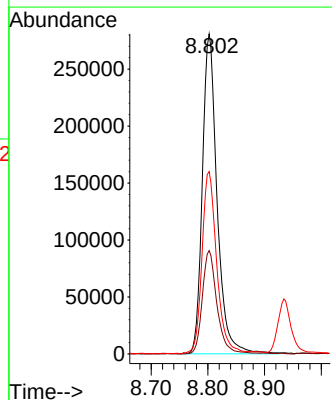
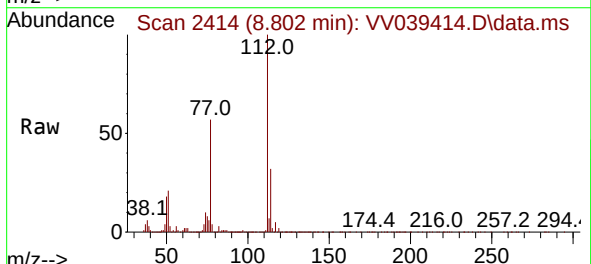
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

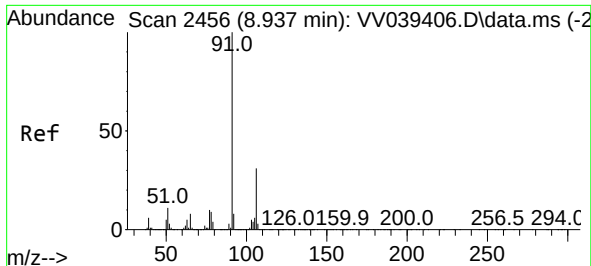
Tgt Ion:107 Resp: 119908
Ion Ratio Lower Upper
107 100
109 94.4 69.1 128.3
188 4.2 3.6 5.4



#51
Chlorobenzene
Concen: 5.296 ug/L
RT: 8.802 min Scan# 2414
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion:112 Resp: 506610
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 57.0 45.3 67.9

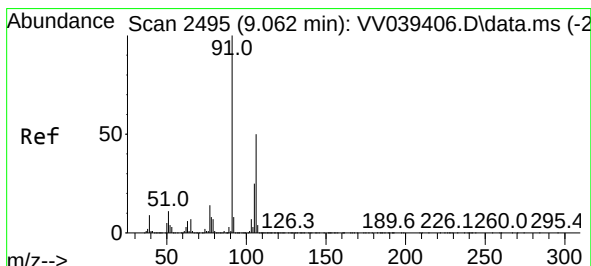
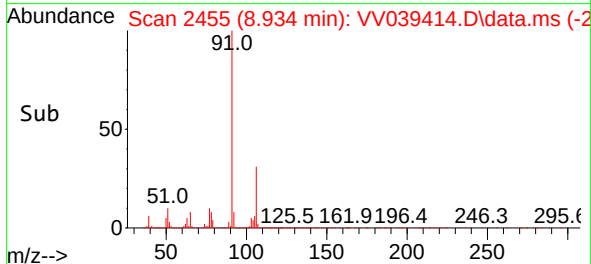
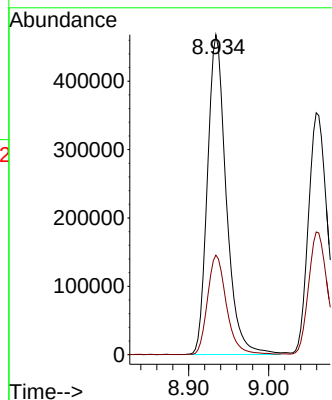
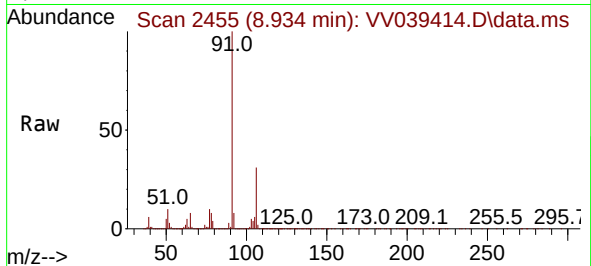




#52
Ethylbenzene
Concen: 5.330 ug/L
RT: 8.934 min Scan# 2456
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

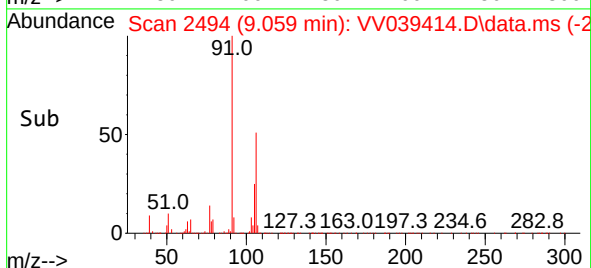
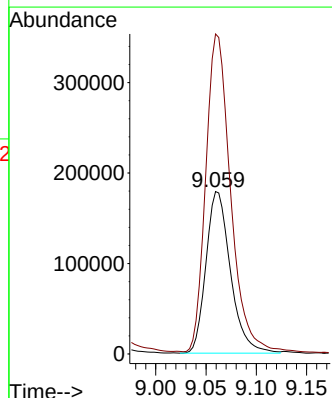
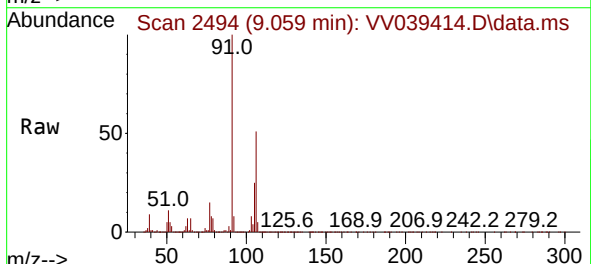
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

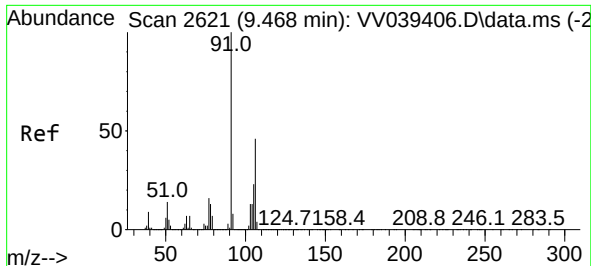
Tgt Ion: 91 Resp: 764986
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.6



#53
m,p-Xylene
Concen: 5.501 ug/L
RT: 9.059 min Scan# 2494
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 106 Resp: 303303
Ion Ratio Lower Upper
106 100
91 197.0 139.6 259.2

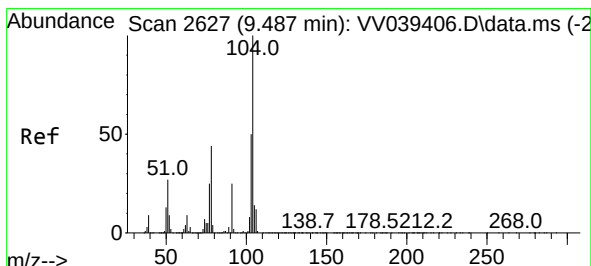
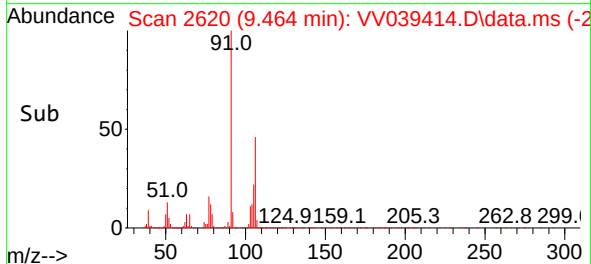
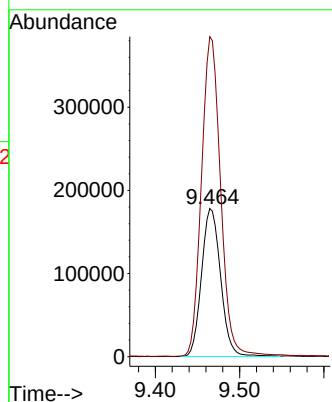
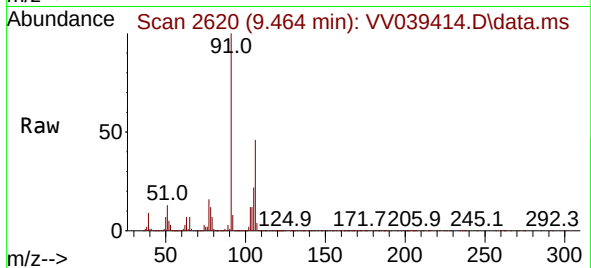




#54
o-Xylene
Concen: 5.270 ug/L
RT: 9.464 min Scan# 2621
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

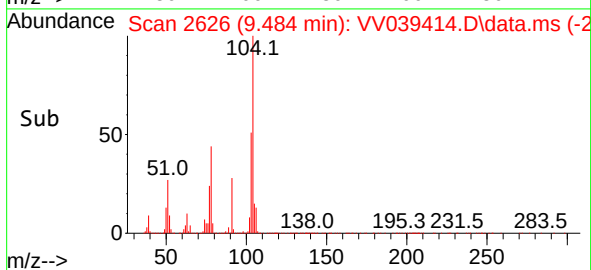
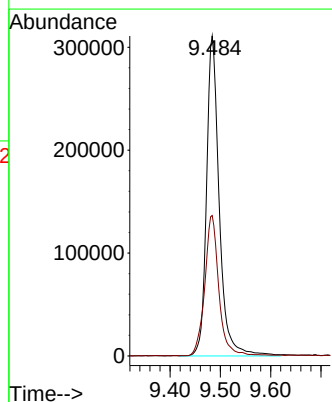
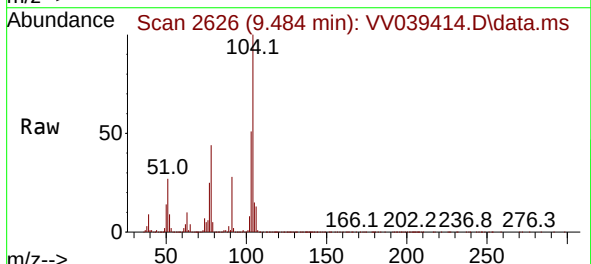
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

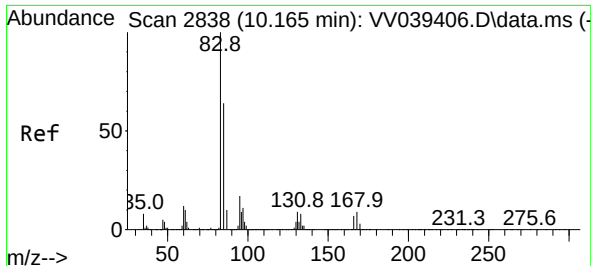
Tgt Ion:106 Resp: 280679
Ion Ratio Lower Upper
106 100
91 216.0 152.5 283.1



#55
Styrene
Concen: 5.798 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion:104 Resp: 546883
Ion Ratio Lower Upper
104 100
78 43.9 30.6 56.8

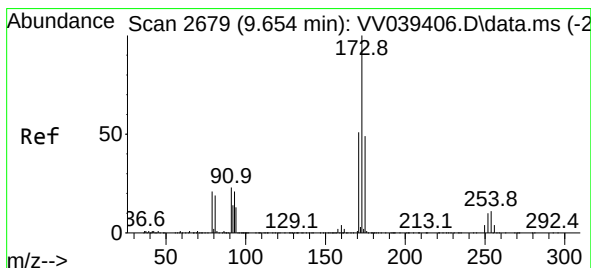
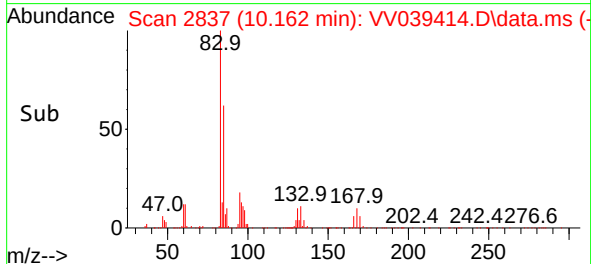
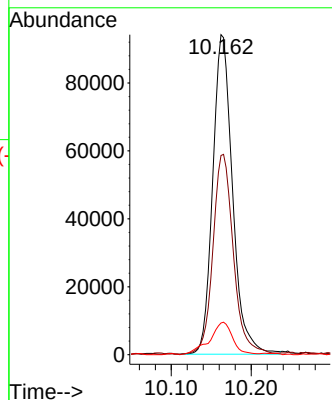
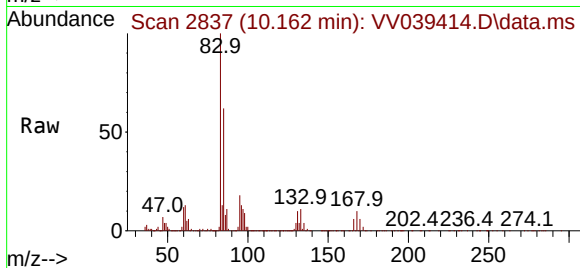




#57
1,1,2,2-Tetrachloroethane
Concen: 5.053 ug/L
RT: 10.162 min Scan# 2837
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

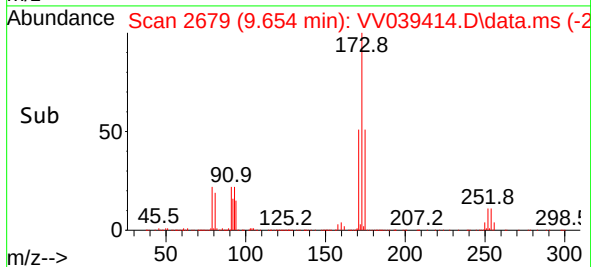
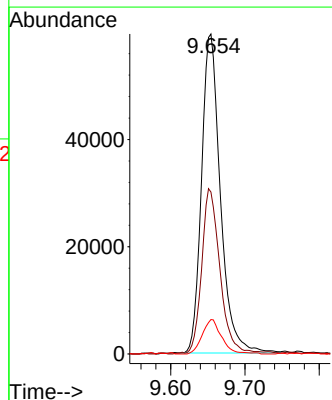
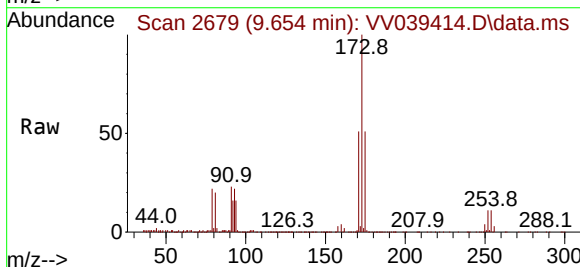
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

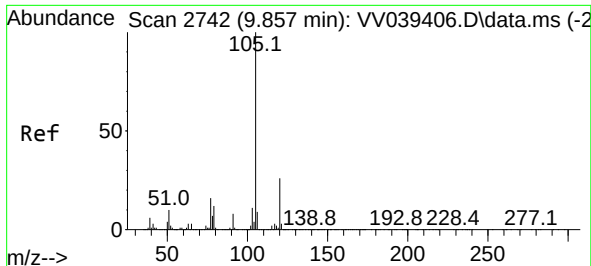
Tgt Ion: 83 Resp: 162029
Ion Ratio Lower Upper
83 100
85 62.2 45.3 84.1
131 9.9 7.8 11.8



#59
Bromoform
Concen: 4.740 ug/L
RT: 9.654 min Scan# 2679
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 173 Resp: 105302
Ion Ratio Lower Upper
173 100
175 50.3 40.2 60.4
254 11.0 9.1 13.7

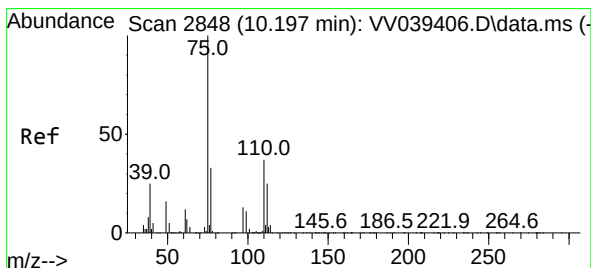
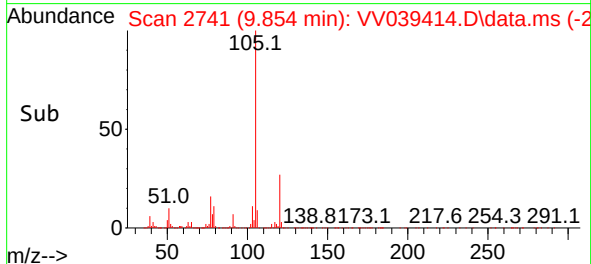
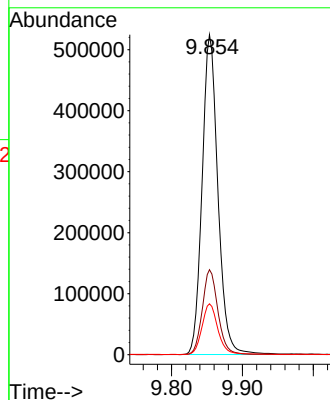
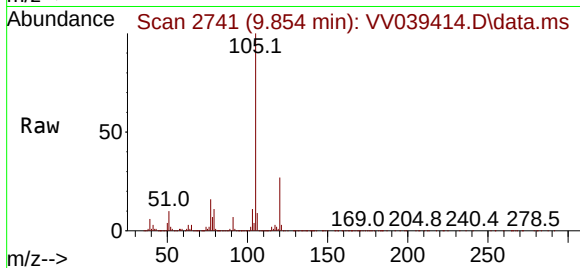




#60
Isopropylbenzene
Concen: 5.091 ug/L
RT: 9.854 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

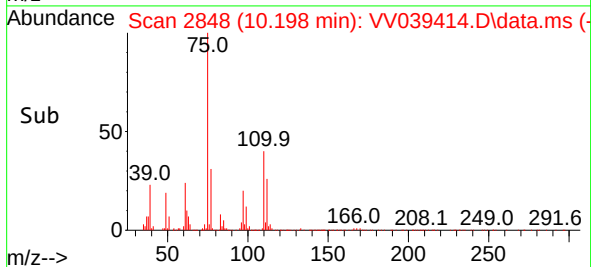
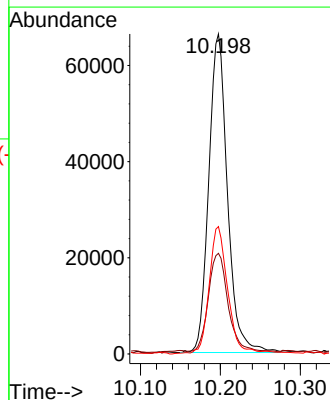
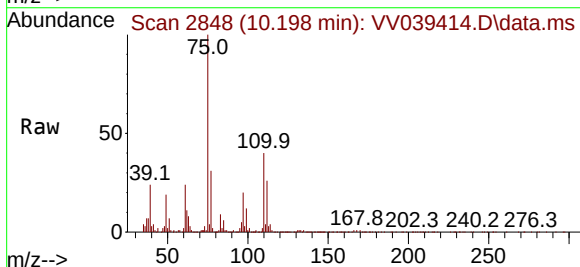
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

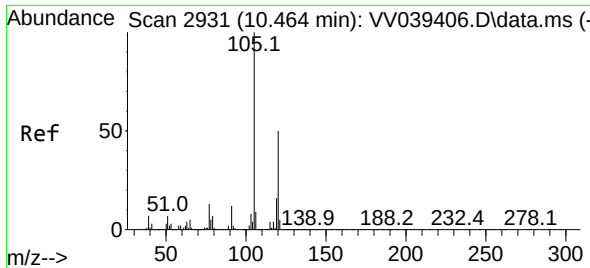
Tgt Ion:105 Resp: 810870
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.2
77 15.9 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.859 ug/L
RT: 10.198 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 75 Resp: 107820
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8
110 39.6 30.8 46.2

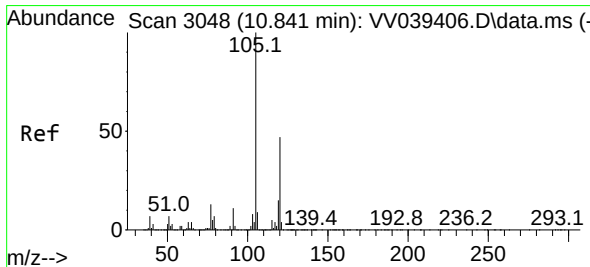
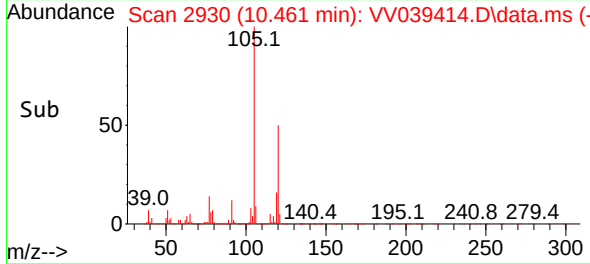
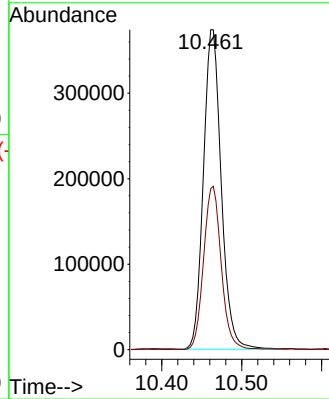
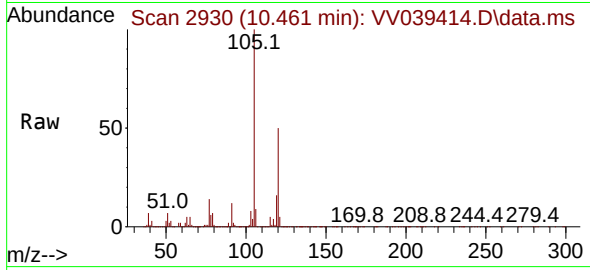




#62
 1,3,5-Trimethylbenzene
 Concen: 4.749 ug/L
 RT: 10.461 min Scan# 2931
 Delta R.T. -0.003 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

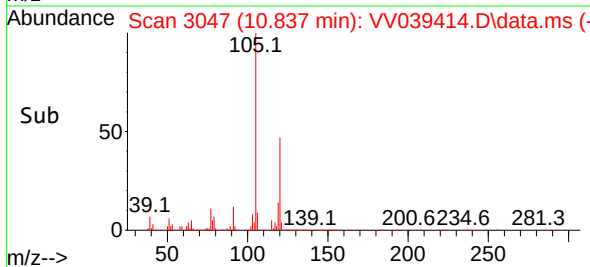
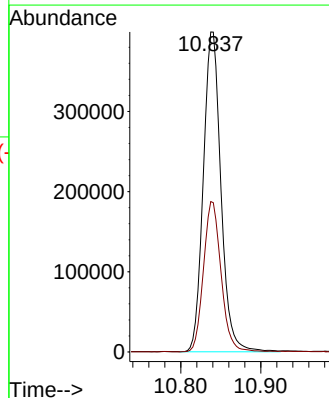
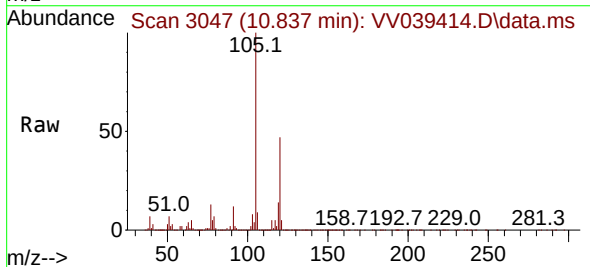
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

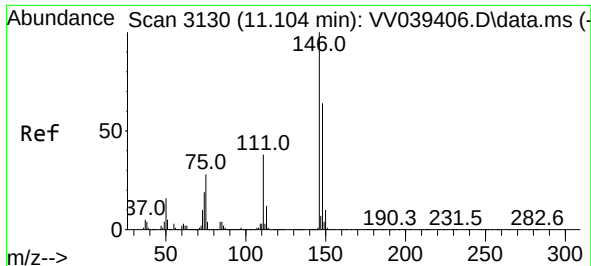
Tgt Ion:105 Resp: 580659
 Ion Ratio Lower Upper
 105 100
 120 50.5 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.052 ug/L
 RT: 10.837 min Scan# 3047
 Delta R.T. -0.003 min
 Lab File: VV039414.D
 Acq: 20 Nov 2025 08:53

Tgt Ion:105 Resp: 612443
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.8 55.2

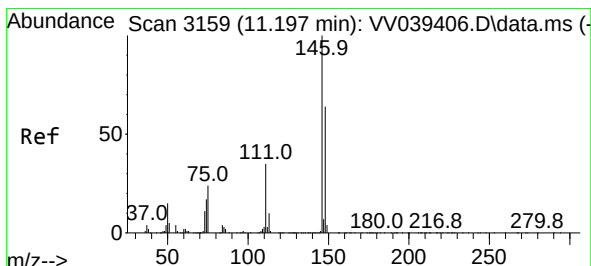
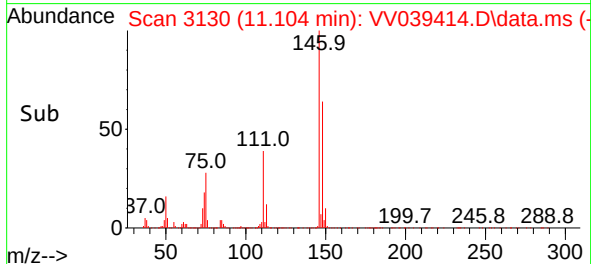
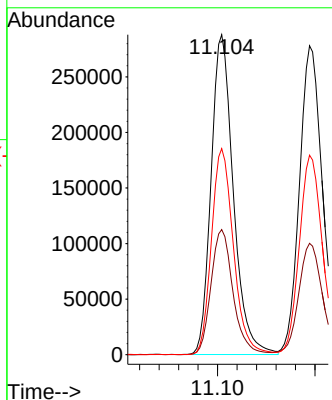
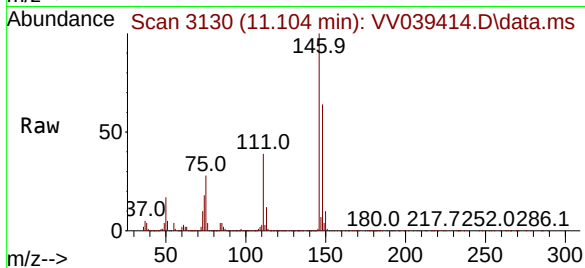




#64
1,3-Dichlorobenzene
Concen: 5.206 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

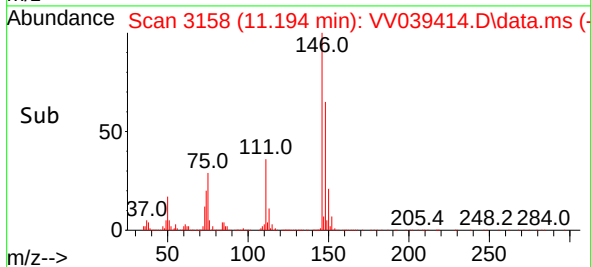
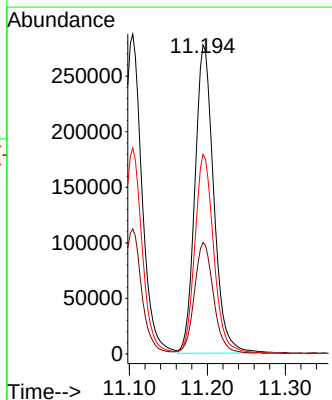
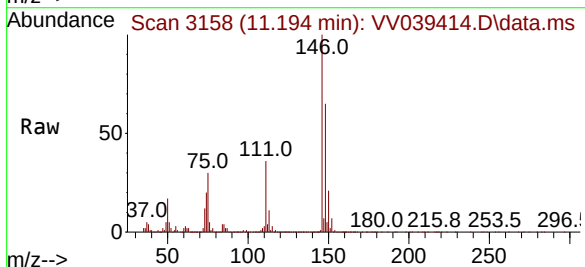
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

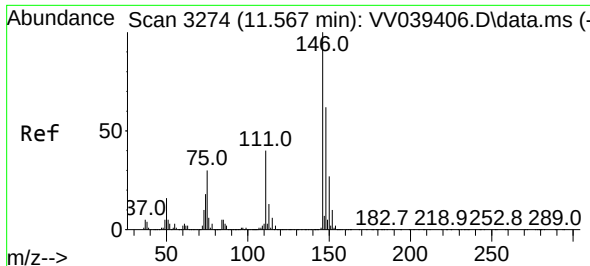
Tgt Ion:146 Resp: 455761
Ion Ratio Lower Upper
146 100
111 39.1 26.6 49.4
148 64.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.154 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion:146 Resp: 465362
Ion Ratio Lower Upper
146 100
111 36.0 24.6 45.6
148 64.6 44.9 83.3

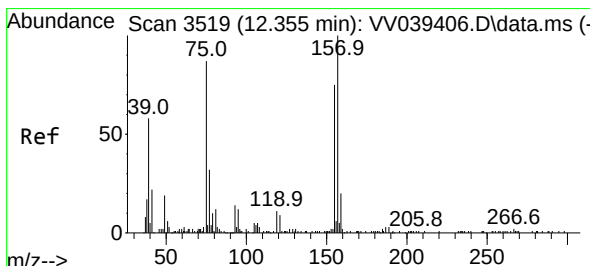
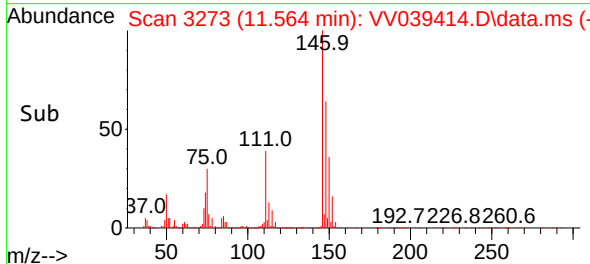
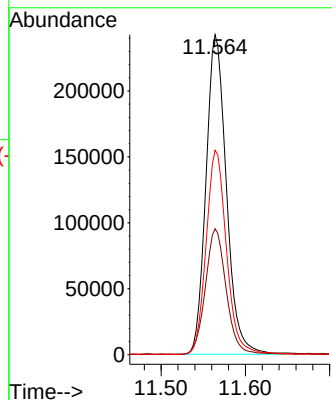
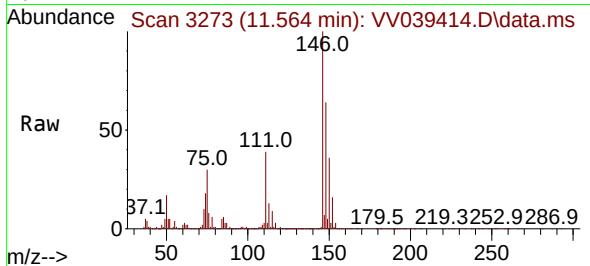




#67
1,2-Dichlorobenzene
Concen: 5.139 ug/L
RT: 11.564 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

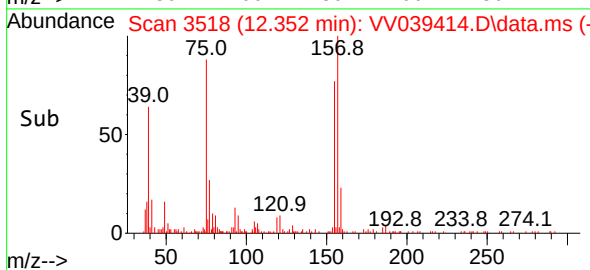
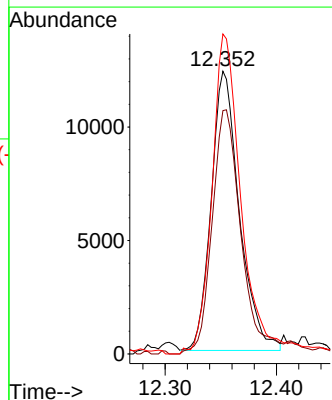
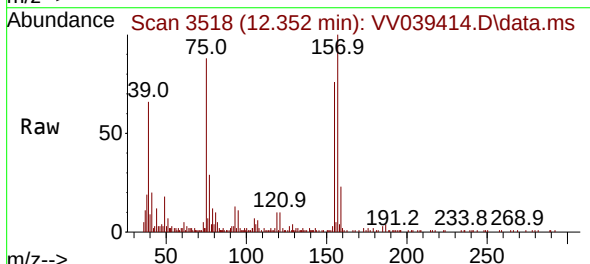
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

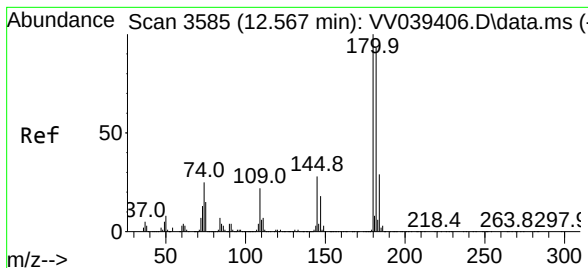
Tgt Ion:146 Resp: 408111
Ion Ratio Lower Upper
146 100
111 39.3 31.7 47.5
148 63.9 49.8 74.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.165 ug/L
RT: 12.352 min Scan# 3518
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion: 75 Resp: 21648
Ion Ratio Lower Upper
75 100
155 86.1 69.5 104.3
157 113.2 92.0 138.0





#69

1,3,5-Trichlorobenzene

Concen: 4.796 ug/L

RT: 12.567 min Scan# 3585

Delta R.T. 0.000 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

Tgt Ion:180 Resp: 316348

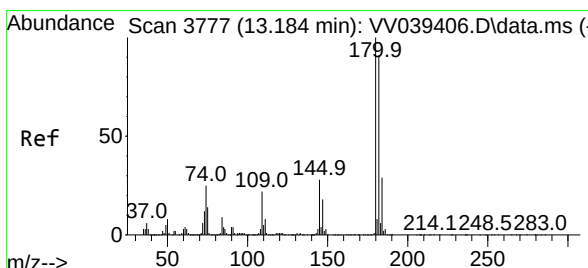
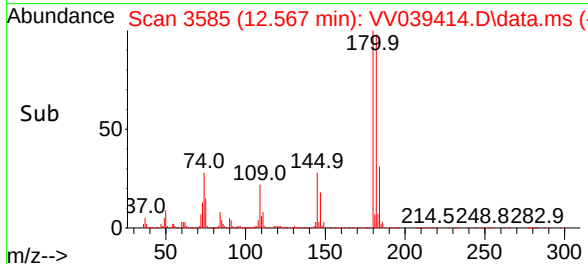
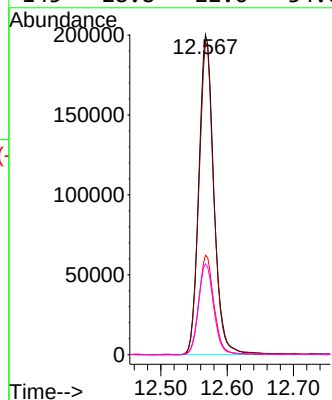
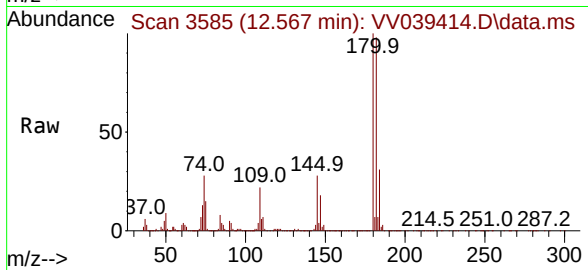
Ion Ratio Lower Upper

180 100

182 97.1 76.9 115.3

184 30.7 24.3 36.5

145 28.8 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 4.647 ug/L

RT: 13.185 min Scan# 3777

Delta R.T. 0.000 min

Lab File: VV039414.D

Acq: 20 Nov 2025 08:53

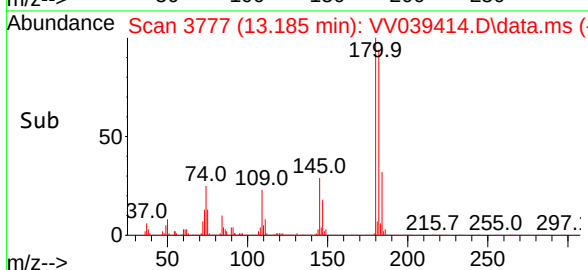
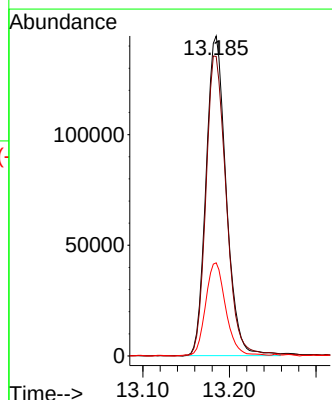
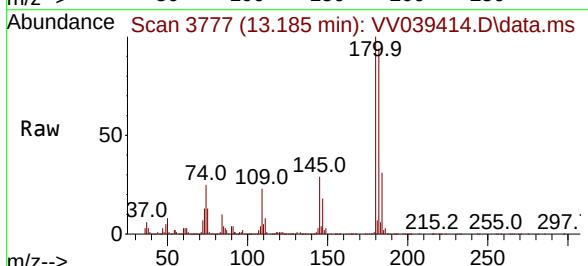
Tgt Ion:180 Resp: 233529

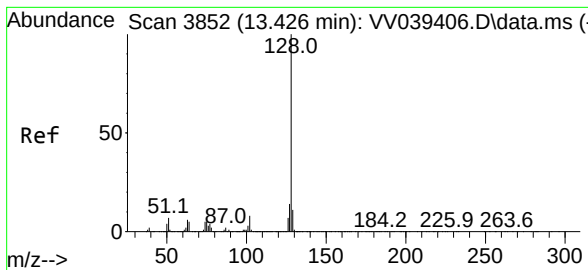
Ion Ratio Lower Upper

180 100

182 94.2 74.6 111.8

145 29.3 23.3 34.9

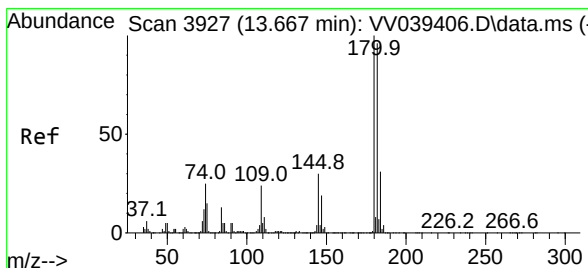
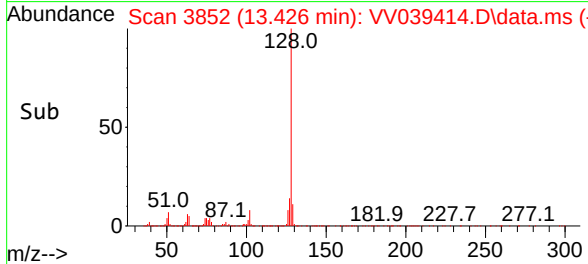
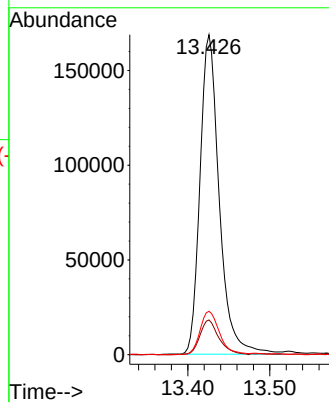
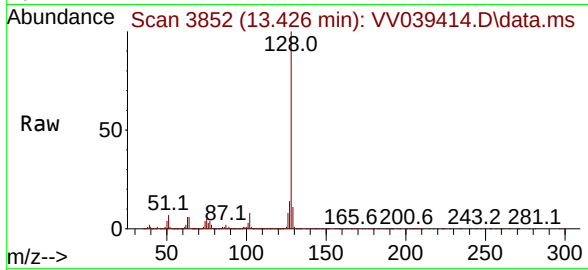




#71
Naphthalene
Concen: 4.445 ug/L
RT: 13.426 min Scan# 3852
Delta R.T. 0.000 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion:128 Resp: 275295
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.8 11.3 16.9



#72
1,2,3-Trichlorobenzene
Concen: 4.679 ug/L
RT: 13.664 min Scan# 3926
Delta R.T. -0.003 min
Lab File: VV039414.D
Acq: 20 Nov 2025 08:53

Tgt Ion:180 Resp: 210071
Ion Ratio Lower Upper
180 100
182 95.9 75.4 113.0
145 29.1 24.6 36.8

