

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111925\
 Data File : VV039412.D
 Acq On : 19 Nov 2025 14:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Quant Time: Nov 20 03:54:36 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	329320	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	364044	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	256714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	207422	4.583	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	91.600%	
7) Chloroethane-d5	1.545	69	182418	4.602	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	92.000%	
11) 1,1-Dichloroethene-d2	2.069	65	94112	4.581	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.600%	
20) 2-Butanone-d5	3.786	46	370019	50.303	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.600%	
24) Chloroform-d	4.246	84	468212	4.763	ug/L	-0.01
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.200%	
26) 1,2-Dichloroethane-d4	4.940	65	209294	4.850	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.000%	
32) Benzene-d6	4.957	84	866528	5.076	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.600%	
36) 1,2-Dichloropropane-d6	5.979	67	258104	4.945	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.000%	
41) Toluene-d8	7.233	98	821692	5.246	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.000%	
43) trans-1,3-Dichloroprop...	7.548	79	91111	4.892	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	97.800%	
46) 2-Hexanone-d5	8.011	63	286646	51.156	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.320%	
56) 1,1,2,2-Tetrachloroeth...	10.140	84	172939	4.941	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.800%	
66) 1,2-Dichlorobenzene-d4	11.548	152	271753	5.003	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	172184	4.851	ug/L	97
3) Chloromethane	1.230	50	121181	4.619	ug/L	99
5) Vinyl chloride	1.298	62	147524	4.824	ug/L	99
6) Bromomethane	1.500	94	82315	4.666	ug/L	98
8) Chloroethane	1.561	64	108747	4.853	ug/L	99
9) Trichlorofluoromethane	1.725	101	288412	4.836	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	180003	4.589	ug/L	95
12) 1,1-Dichloroethene	2.082	96	131424	4.689	ug/L	98
13) Acetone	2.117	43	266476	48.293	ug/L	100
14) Carbon disulfide	2.252	76	214394	4.615	ug/L	98
15) Methyl Acetate	2.387	43	58813	4.843	ug/L	97
16) Methylene chloride	2.455	84	243062	5.993	ug/L	94
17) Methyl tert-butyl Ether	2.709	73	331220	4.913	ug/L	99
18) trans-1,2-Dichloroethene	2.706	96	142315	4.785	ug/L	96
19) 1,1-Dichloroethane	3.117	63	356783	4.803	ug/L	99
21) 2-Butanone	3.863	43	358459	47.912	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	181362	5.004	ug/L	94
23) Bromochloromethane	4.153	128	83024	5.039	ug/L	97
25) Chloroform	4.275	83	397718	4.902	ug/L	98

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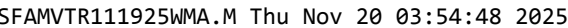
Instrument :
 MSVOA_V
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 VSTD005360

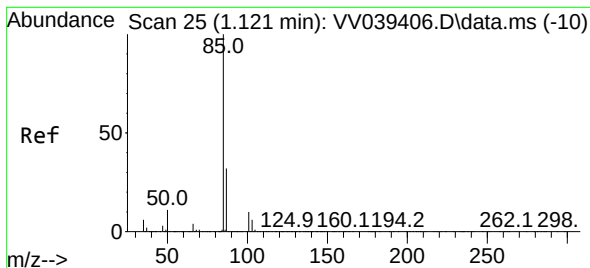
Quant Time: Nov 20 03:54:36 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	201051	4.886	ug/L	99
29) 1,1,1-Trichloroethane	4.510	97	329024	4.852	ug/L	99
30) Cyclohexane	4.580	56	190150	4.916	ug/L	94
31) Carbon tetrachloride	4.731	117	290743	4.869	ug/L	99
33) Benzene	5.008	78	700197	5.233	ug/L	100
34) Trichloroethene	5.828	95	179284	4.886	ug/L	96
35) Methylcyclohexane	6.043	83	196635	4.774	ug/L	95
37) 1,2-Dichloropropane	6.085	63	199063	5.020	ug/L	99
38) Bromodichloromethane	6.426	83	270492	4.912	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	255632	5.078	ug/L	98
40) 4-Methyl-2-pentanone	7.143	43	964370	54.754	ug/L	99
42) Toluene	7.307	91	768168	5.368	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	221904	4.953	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	144068	4.956	ug/L	96
47) Tetrachloroethene	7.895	164	161811	4.911	ug/L	94
48) 2-Hexanone	8.063	43	710406	54.310	ug/L	97
49) Dibromochloromethane	8.165	129	177718	4.829	ug/L	98
50) 1,2-Dibromoethane	8.275	107	123225	5.058	ug/L	95
51) Chlorobenzene	8.802	112	522198	5.056	ug/L	100
52) Ethylbenzene	8.934	91	797777	5.148	ug/L	98
53) m,p-Xylene	9.062	106	314204	5.279	ug/L	100
54) o-Xylene	9.468	106	292977	5.096	ug/L	98
55) Styrene	9.484	104	555653	5.457	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.165	83	165306	4.775	ug/L	98
59) Bromoform	9.654	173	106637	4.631	ug/L	98
60) Isopropylbenzene	9.853	105	839524	5.086	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	109292	4.752	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	612213	4.832	ug/L	98
63) 1,2,4-Trimethylbenzene	10.837	105	633004	5.038	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	457642	5.044	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	476975	5.097	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	410509	4.988	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	22299	4.139	ug/L	94
69) 1,3,5-Trichlorobenzene	12.567	180	335141	4.902	ug/L	99
70) 1,2,4-trichlorobenzene	13.184	180	247044	4.744	ug/L	98
71) Naphthalene	13.426	128	302327	4.710	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	223475	4.803	ug/L	99

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

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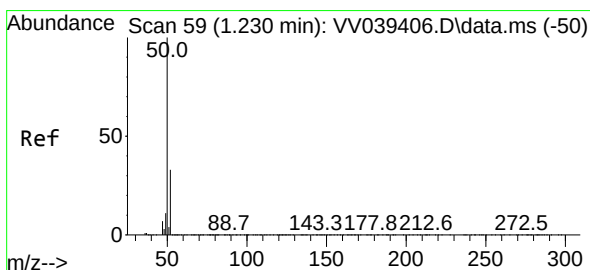
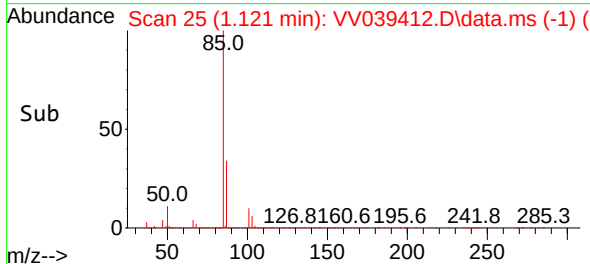
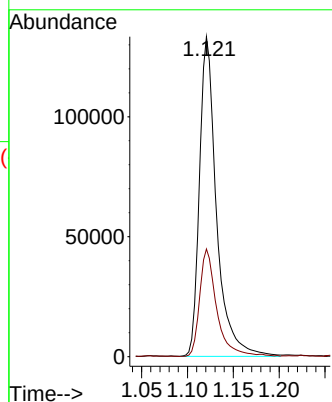
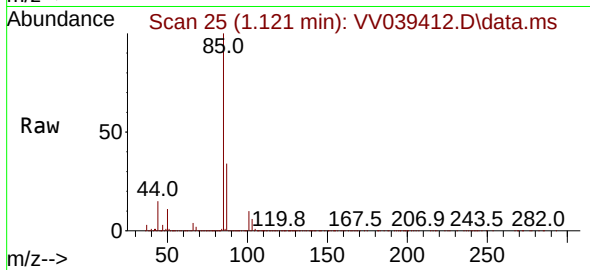




#2
 Dichlorodifluoromethane
 Concen: 4.851 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

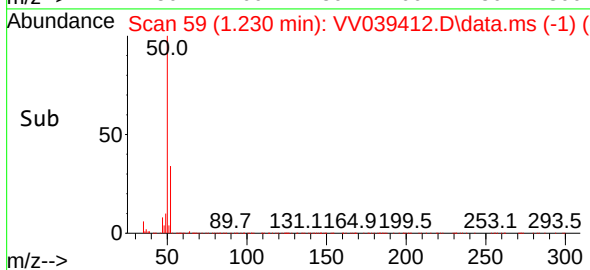
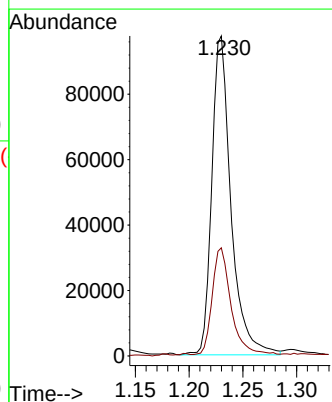
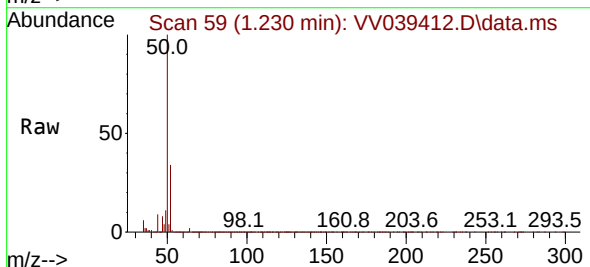
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

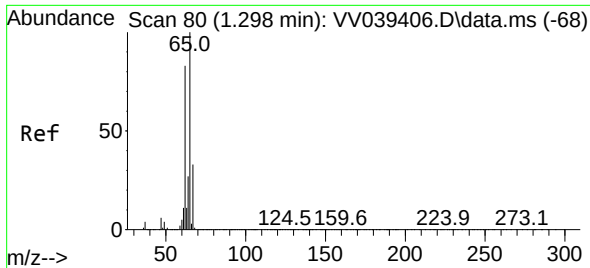
Tgt Ion: 85 Resp: 172184
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.8 38.8



#3
 Chloromethane
 Concen: 4.619 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

Tgt Ion: 50 Resp: 121181
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.2 43.2

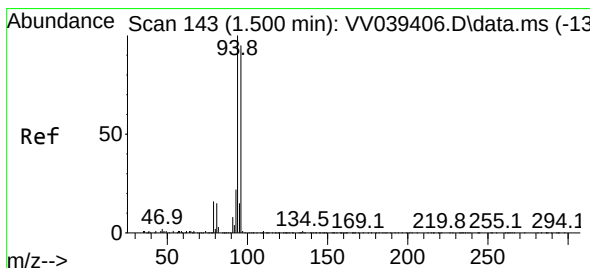
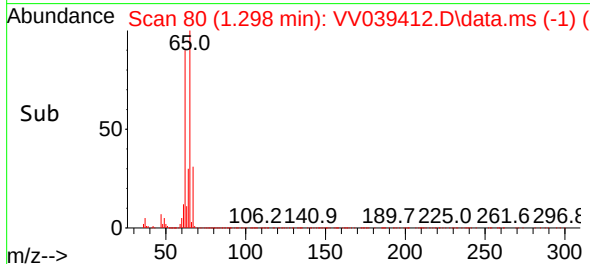
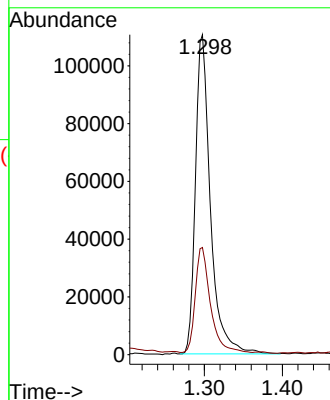
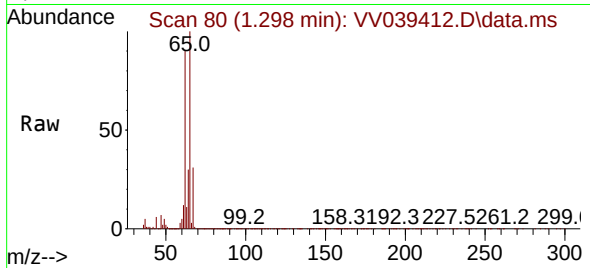




#5
 Vinyl chloride
 Concen: 4.824 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

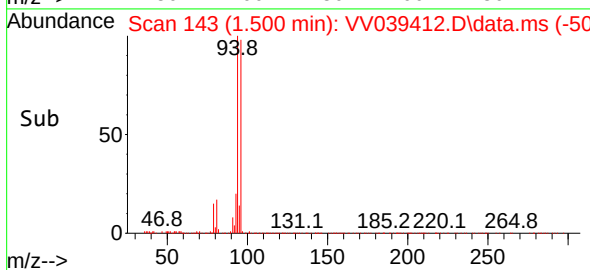
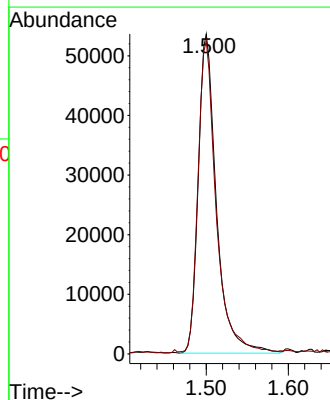
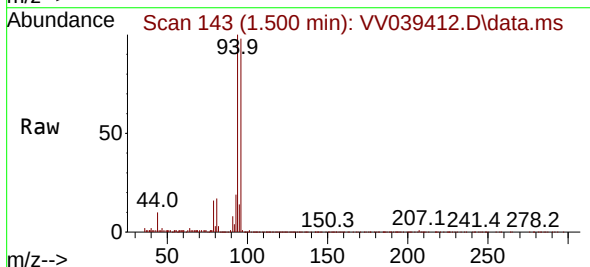
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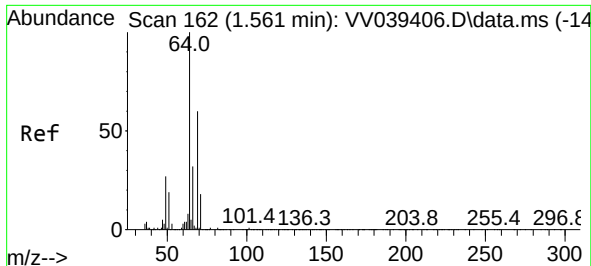
Tgt Ion: 62 Resp: 147524
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 44.1



#6
 Bromomethane
 Concen: 4.666 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

Tgt Ion: 94 Resp: 82315
 Ion Ratio Lower Upper
 94 100
 96 97.8 67.2 124.8

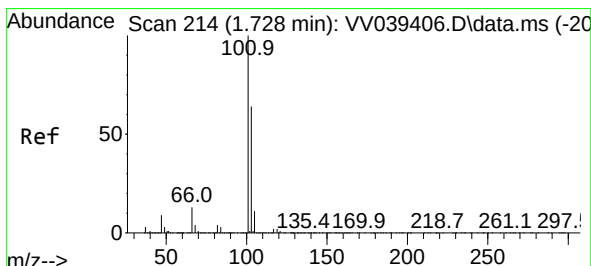
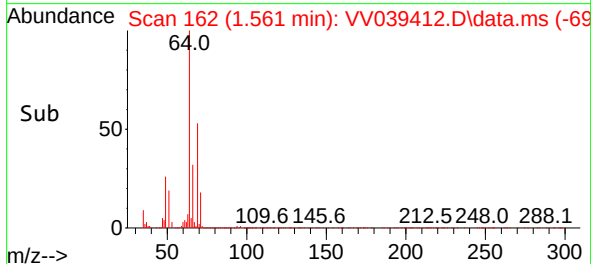
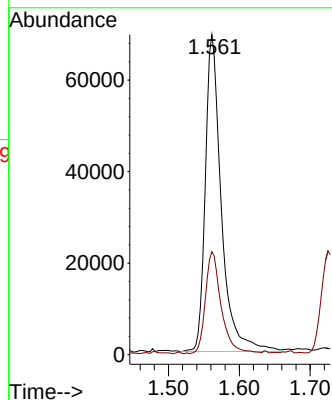
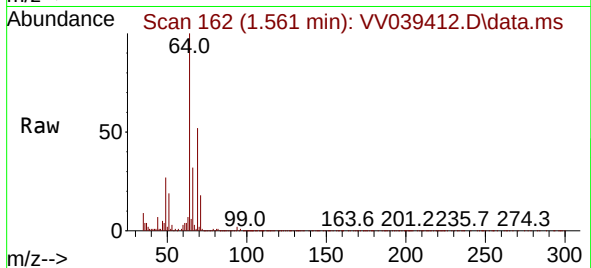




#8
Chloroethane
Concen: 4.853 ug/L
RT: 1.561 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

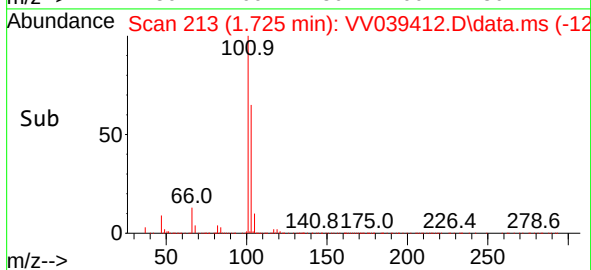
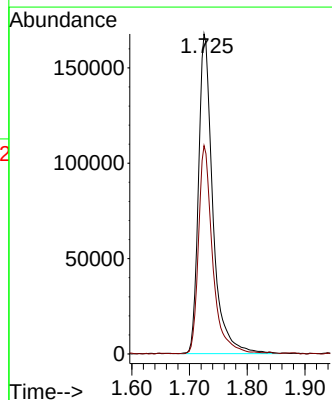
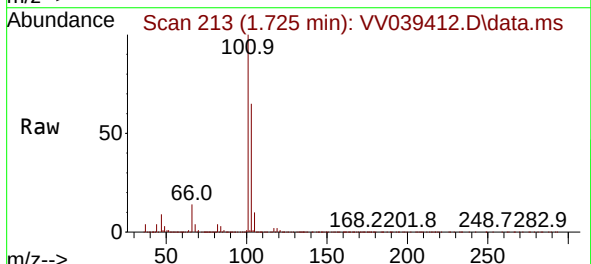
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ClientSampleId :
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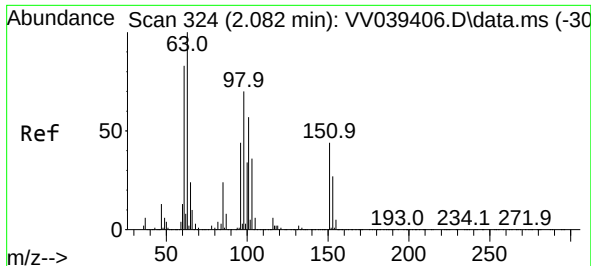
Tgt Ion: 64 Resp: 108747
Ion Ratio Lower Upper
64 100
66 32.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.836 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 101 Resp: 288412
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.589 ug/L

RT: 2.082 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

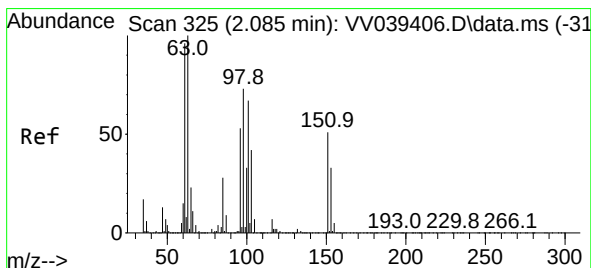
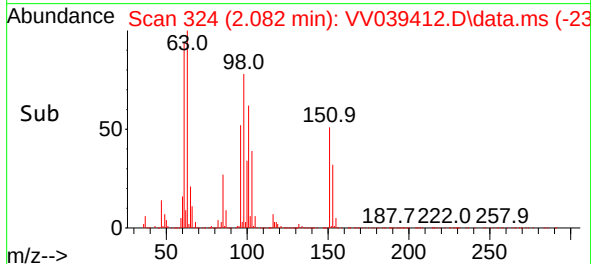
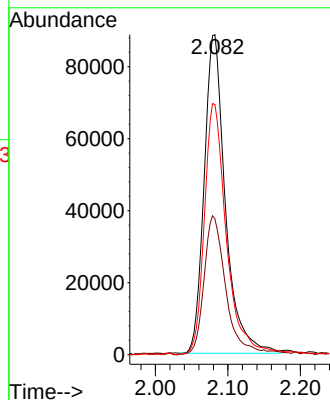
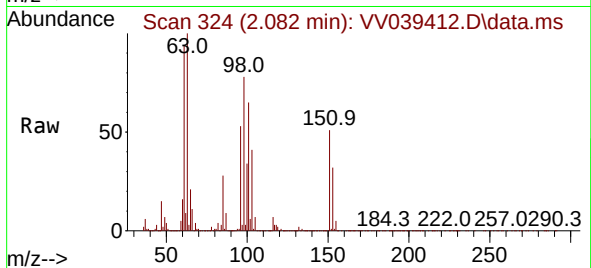
Tgt Ion:101 Resp: 180003

Ion Ratio Lower Upper

101 100

85 45.3 34.0 51.0

151 83.0 62.3 93.5



#12

1,1-Dichloroethene

Concen: 4.689 ug/L

RT: 2.082 min Scan# 324

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

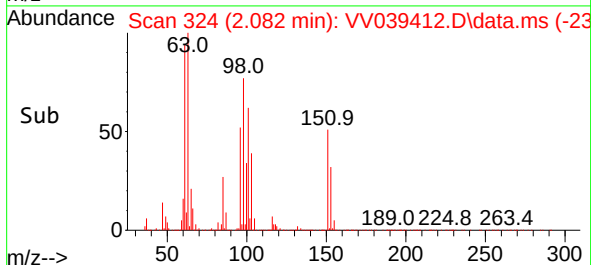
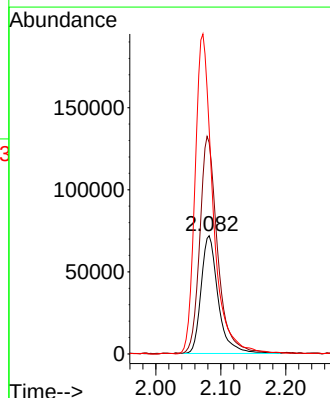
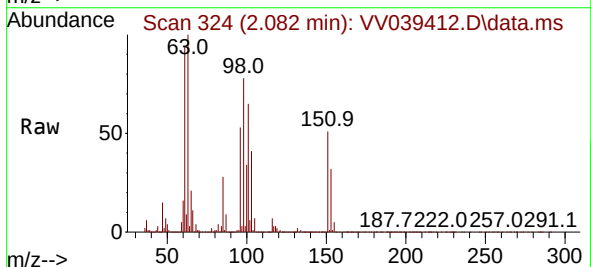
Tgt Ion: 96 Resp: 131424

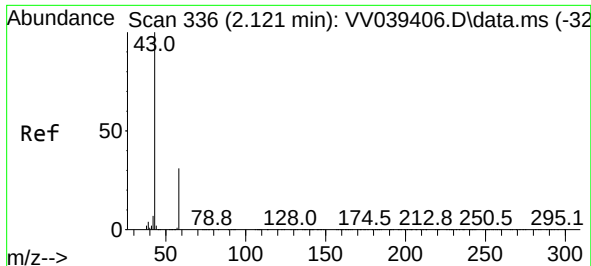
Ion Ratio Lower Upper

96 100

61 178.7 127.7 237.1

63 190.4 132.6 246.2





#13

Acetone

Concen: 48.293 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

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ClientSampleId :

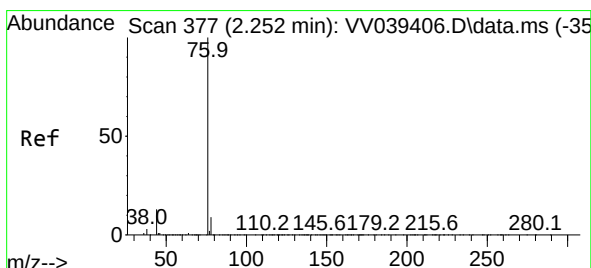
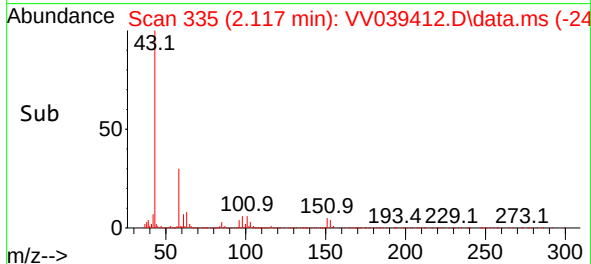
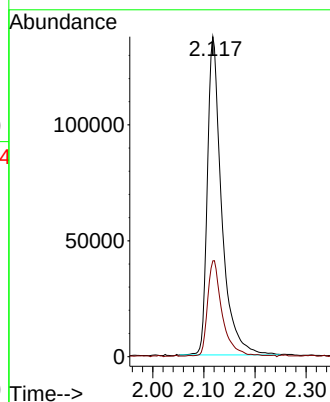
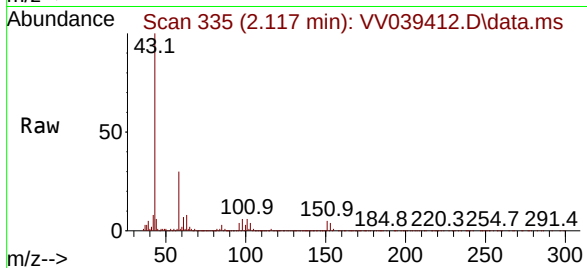
VSTD005360

Tgt Ion: 43 Resp: 266476

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.0



#14

Carbon disulfide

Concen: 4.615 ug/L

RT: 2.252 min Scan# 377

Delta R.T. -0.000 min

Lab File: VV039412.D

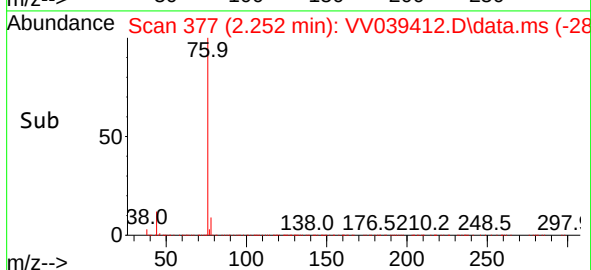
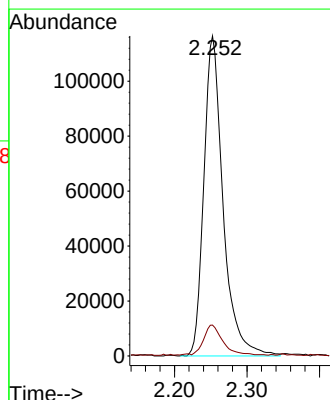
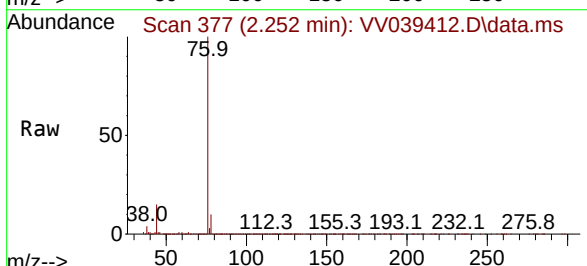
Acq: 19 Nov 2025 14:51

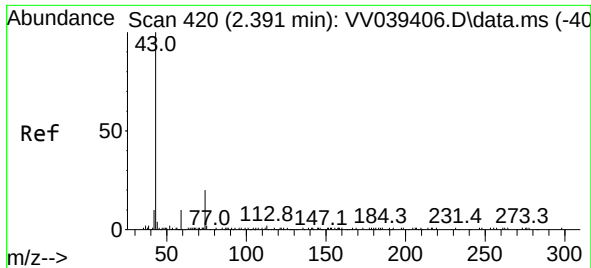
Tgt Ion: 76 Resp: 214394

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

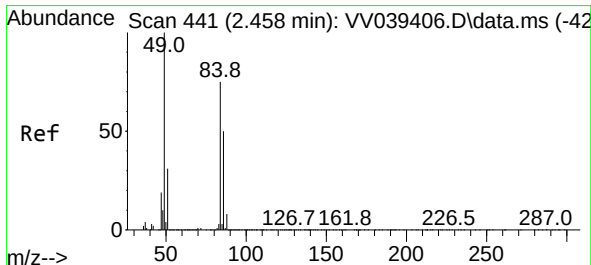
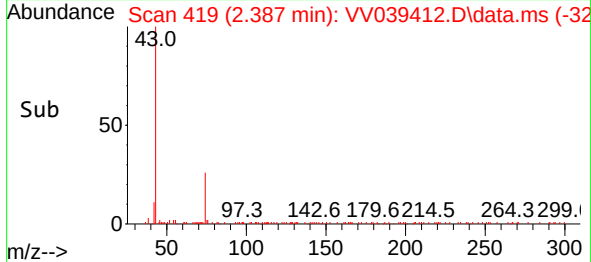
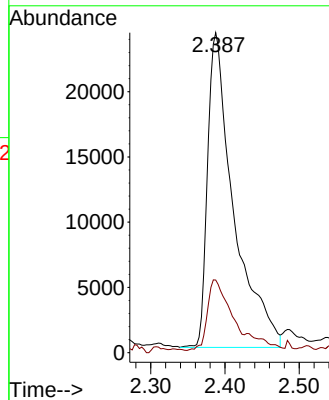
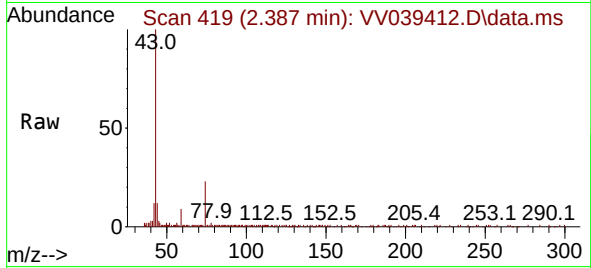




#15
Methyl Acetate
Concen: 4.843 ug/L
RT: 2.387 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

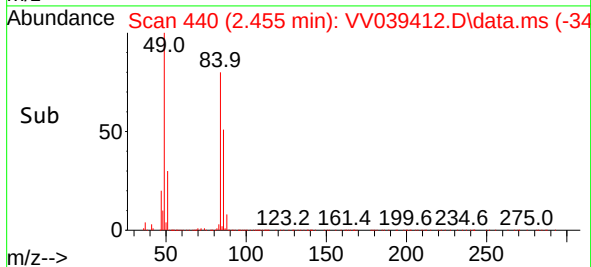
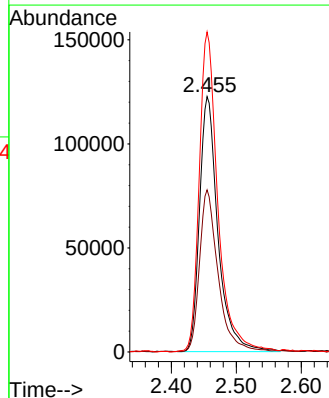
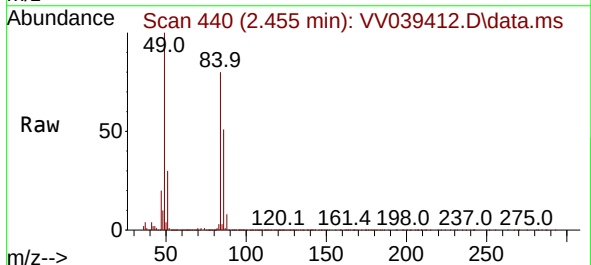
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

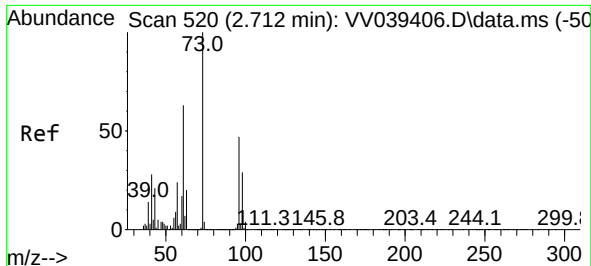
Tgt Ion: 43 Resp: 58813
Ion Ratio Lower Upper
43 100
74 19.4 14.5 21.7



#16
Methylene chloride
Concen: 5.993 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 84 Resp: 243062
Ion Ratio Lower Upper
84 100
86 63.4 46.8 87.0
49 125.3 93.0 172.8





#17

Methyl tert-butyl Ether

Concen: 4.913 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

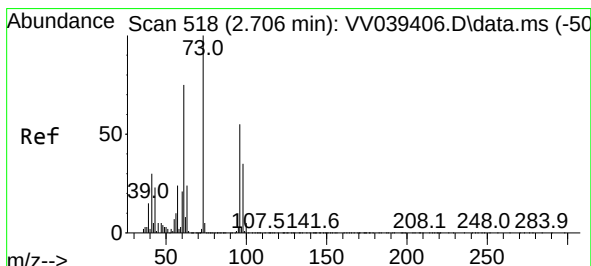
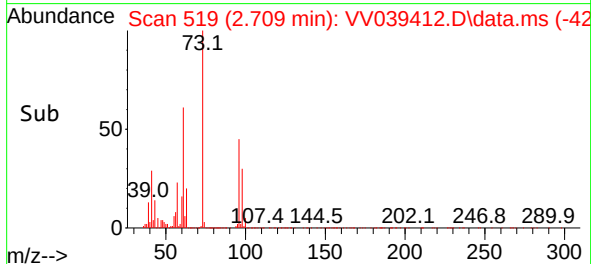
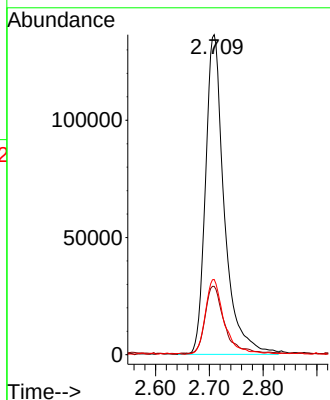
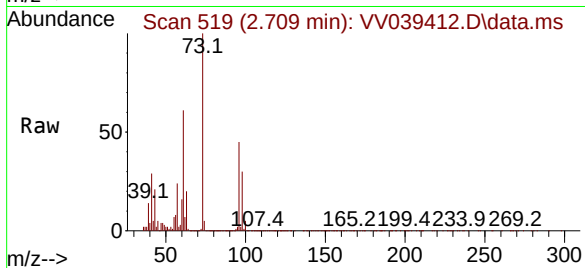
Tgt Ion: 73 Resp: 331220

Ion Ratio Lower Upper

73 100

43 21.2 17.4 26.2

57 23.3 18.8 28.2



#18

trans-1,2-Dichloroethene

Concen: 4.785 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

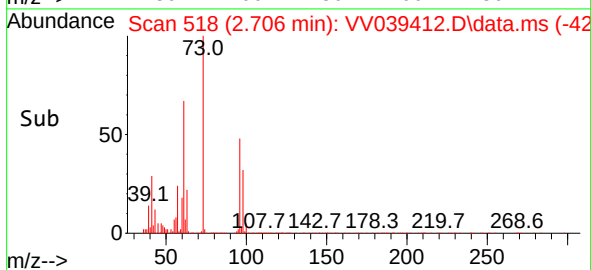
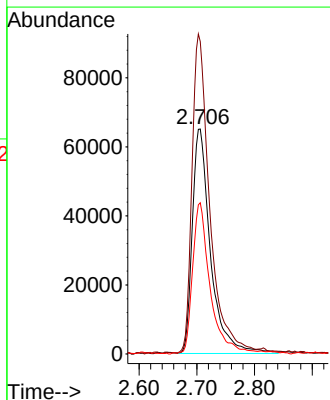
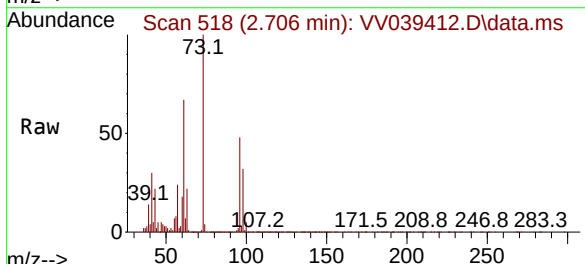
Tgt Ion: 96 Resp: 142315

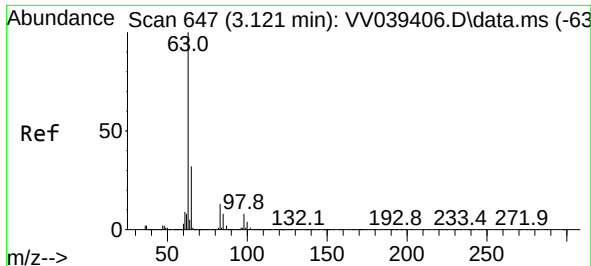
Ion Ratio Lower Upper

96 100

61 138.8 94.7 175.9

98 67.2 44.2 82.0

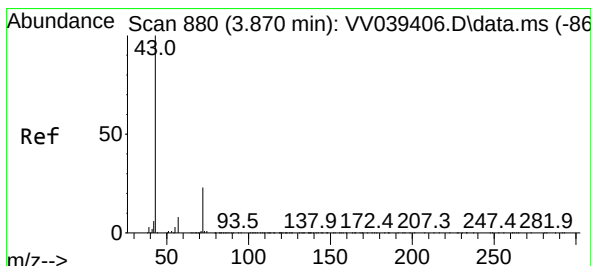
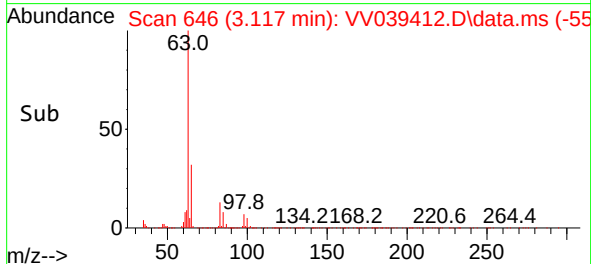
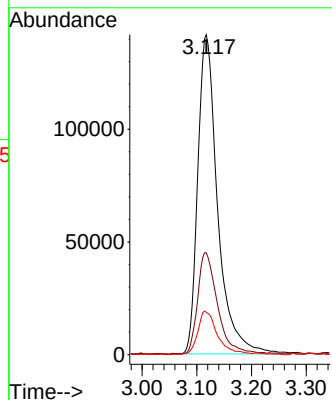
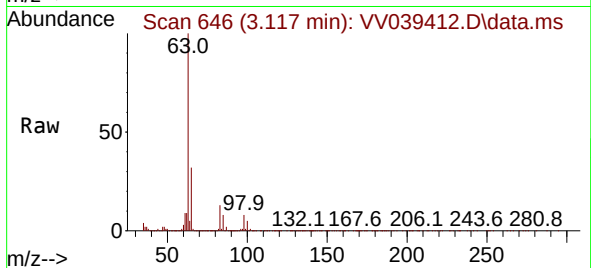




#19
1,1-Dichloroethane
Concen: 4.803 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

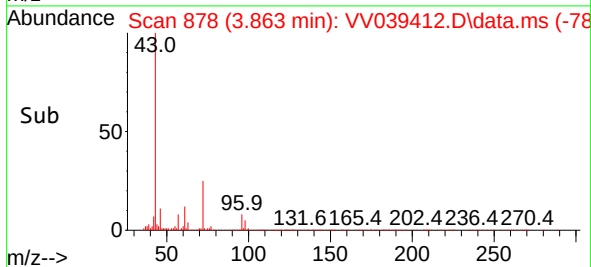
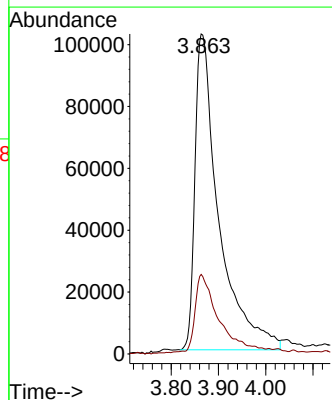
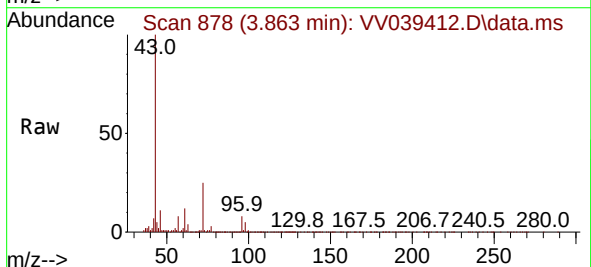
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

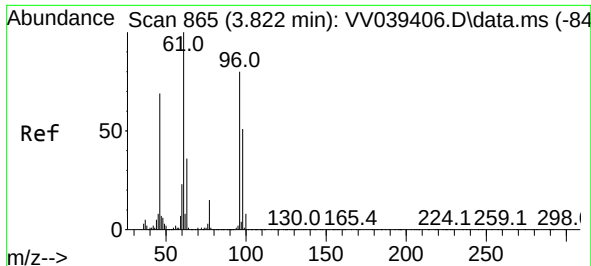
Tgt Ion: 63 Resp: 356783
Ion Ratio Lower Upper
63 100
65 31.8 22.9 42.5
83 13.3 9.2 17.2



#21
2-Butanone
Concen: 47.912 ug/L
RT: 3.863 min Scan# 878
Delta R.T. -0.006 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 43 Resp: 358459
Ion Ratio Lower Upper
43 100
72 24.5 11.7 35.0

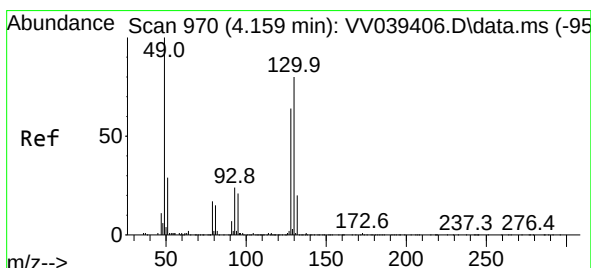
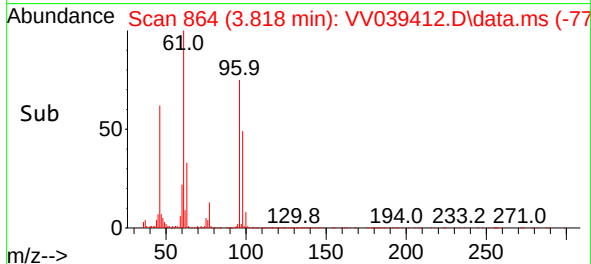
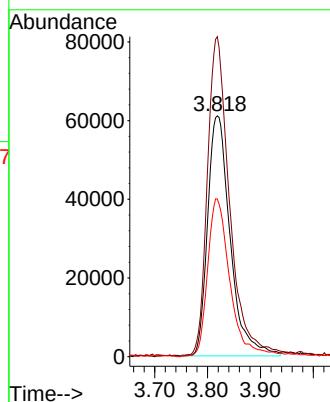
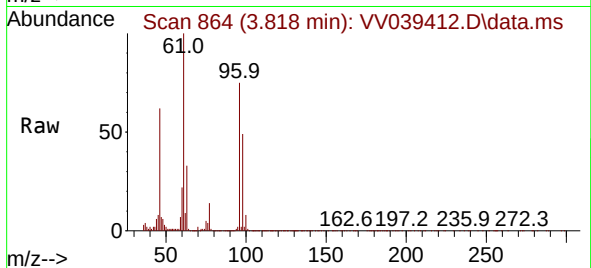




#22
 cis-1,2-Dichloroethene
 Concen: 5.004 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.003 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

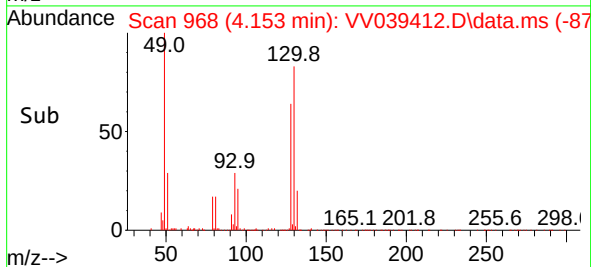
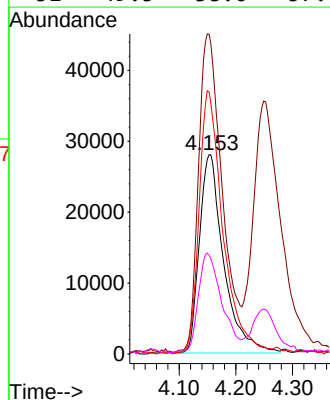
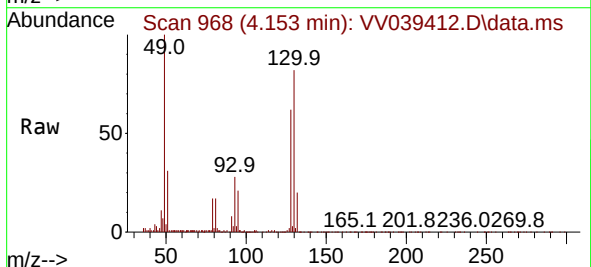
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

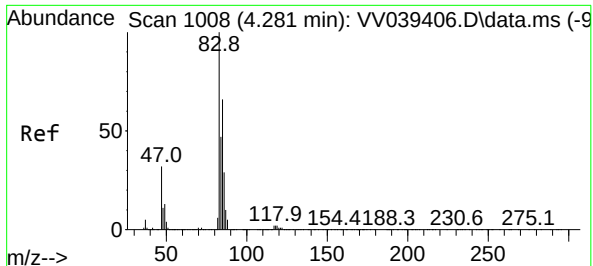
Tgt Ion: 96 Resp: 181362
 Ion Ratio Lower Upper
 96 100
 61 132.9 87.1 161.7
 98 65.5 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.039 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.006 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

Tgt Ion: 128 Resp: 83024
 Ion Ratio Lower Upper
 128 100
 49 160.4 110.7 205.5
 130 131.4 88.2 163.8
 51 49.5 38.0 57.0





#25

Chloroform

Concen: 4.902 ug/L

RT: 4.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

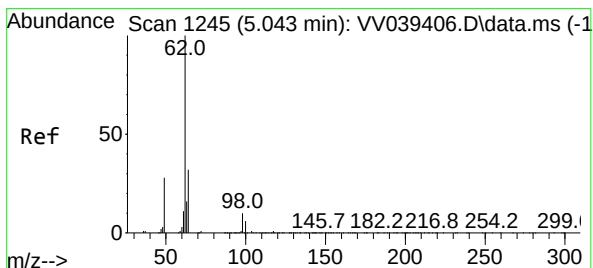
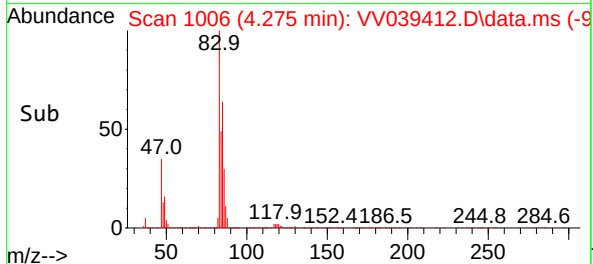
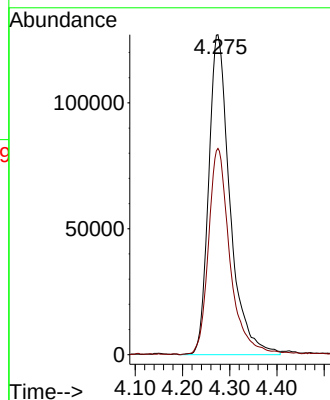
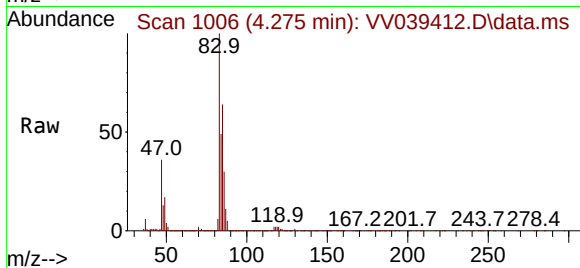
VSTD005360

Tgt Ion: 83 Resp: 397718

Ion Ratio Lower Upper

83 100

85 64.5 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.886 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV039412.D

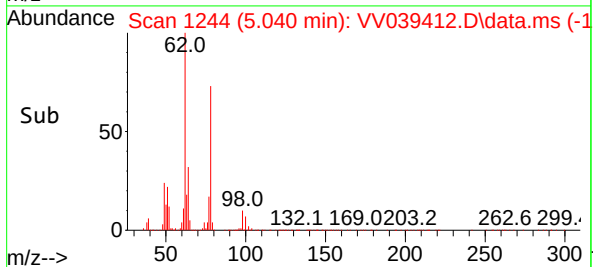
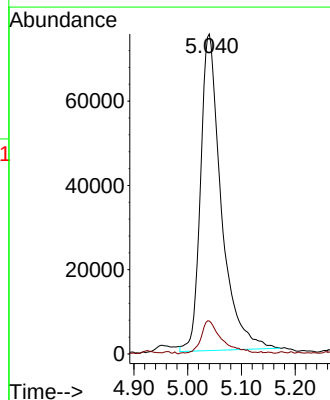
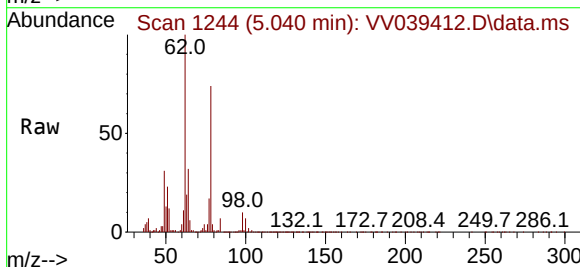
Acq: 19 Nov 2025 14:51

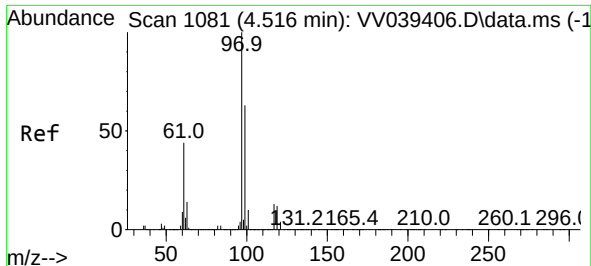
Tgt Ion: 62 Resp: 201051

Ion Ratio Lower Upper

62 100

98 10.3 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 4.852 ug/L

RT: 4.510 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

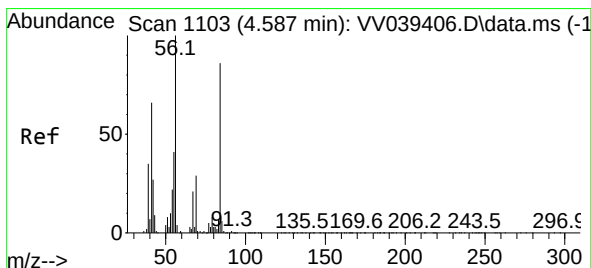
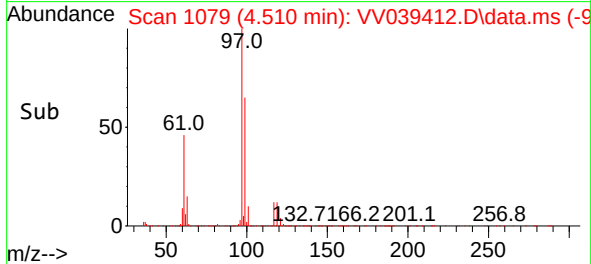
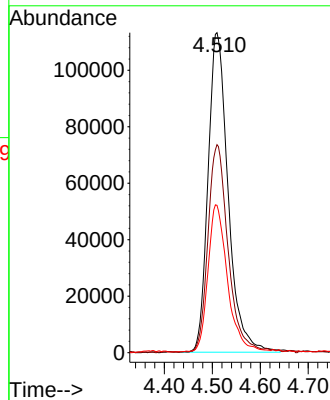
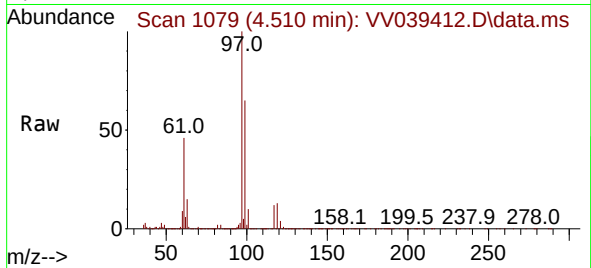
Tgt Ion: 97 Resp: 329024

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

61 44.9 36.6 55.0



#30

Cyclohexane

Concen: 4.916 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

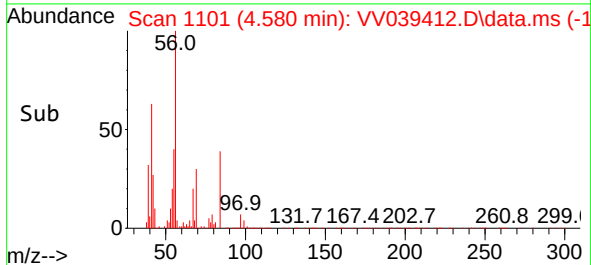
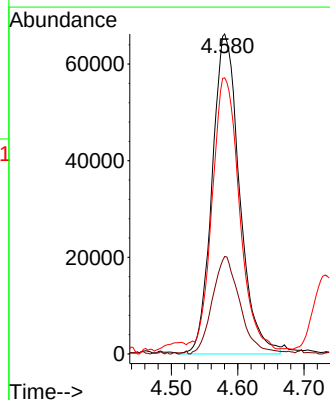
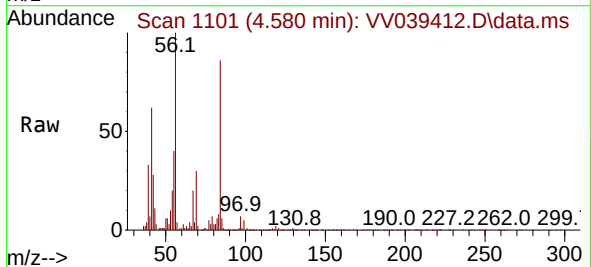
Tgt Ion: 56 Resp: 190150

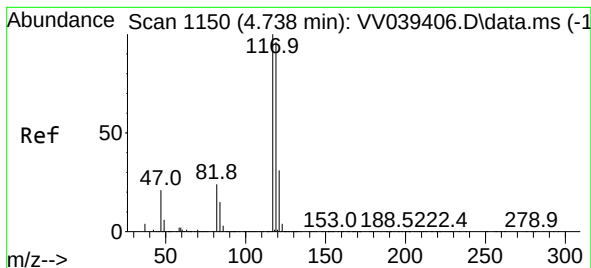
Ion Ratio Lower Upper

56 100

69 30.7 23.7 35.5

84 84.2 72.6 109.0





#31

Carbon tetrachloride

Concen: 4.869 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

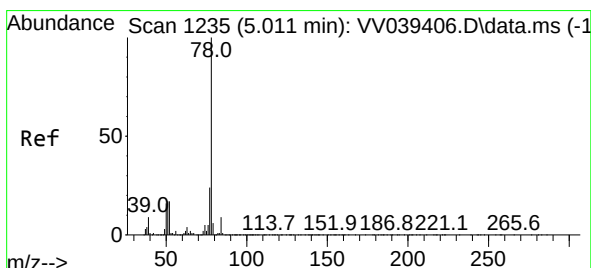
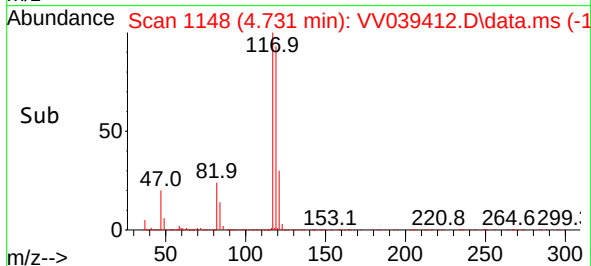
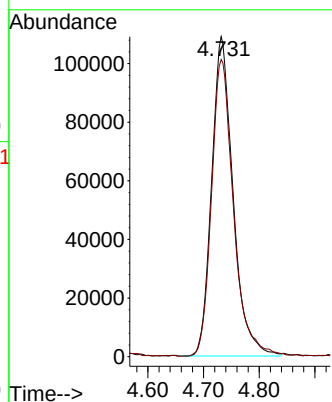
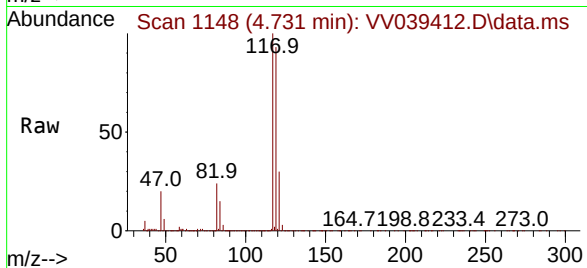
VSTD005360

Tgt Ion:117 Resp: 290743

Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.2



#33

Benzene

Concen: 5.233 ug/L

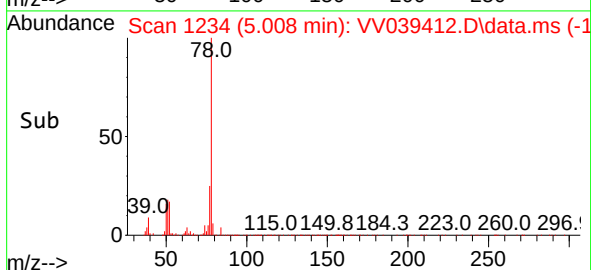
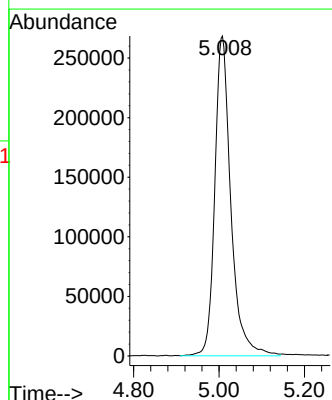
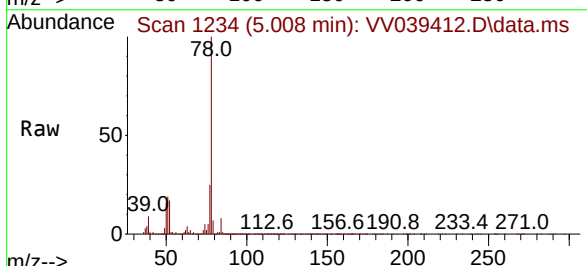
RT: 5.008 min Scan# 1234

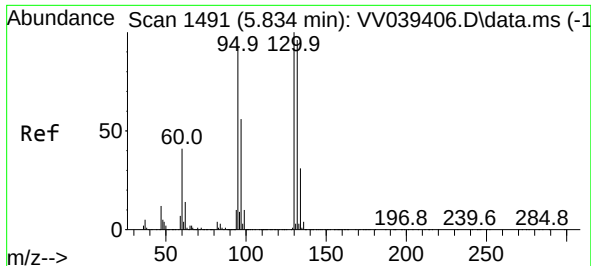
Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Tgt Ion: 78 Resp: 700197



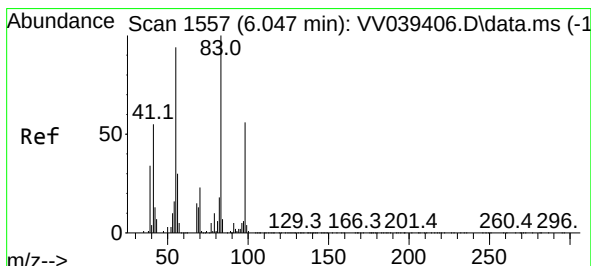
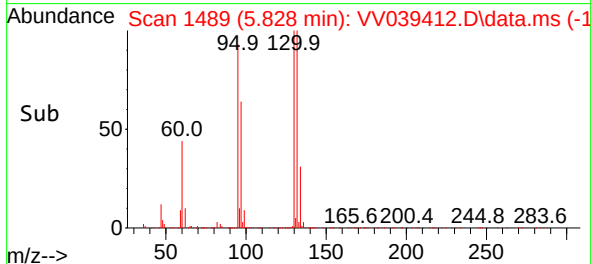
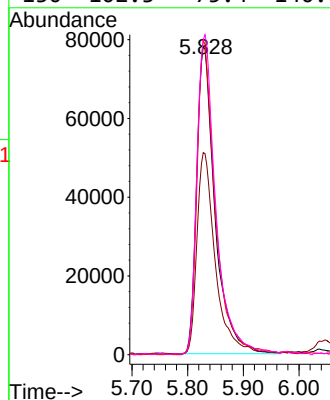
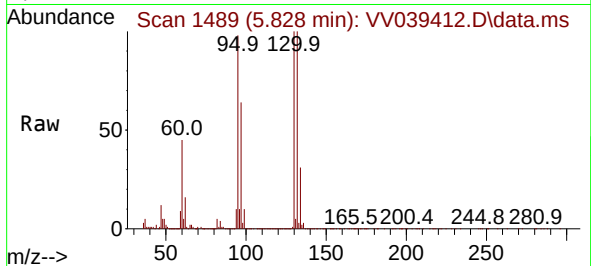


#34
Trichloroethene
Concen: 4.886 ug/L
RT: 5.828 min Scan# 1491
Delta R.T. -0.006 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 95 Resp: 179284

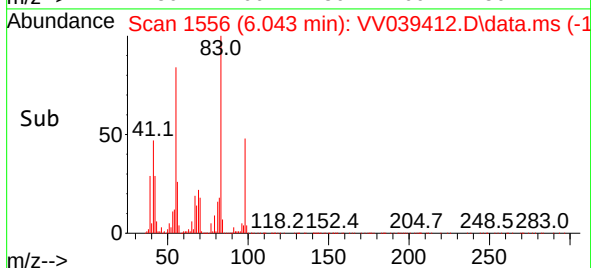
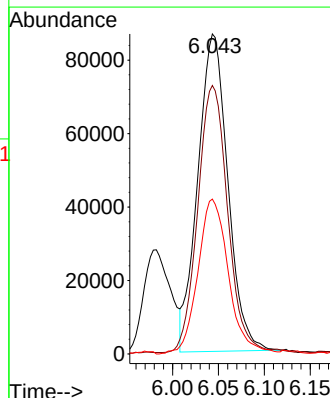
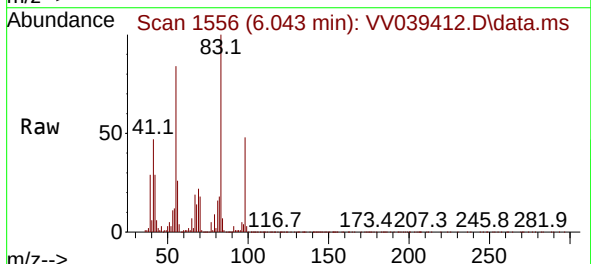
Ion	Ratio	Lower	Upper
95	100		
97	65.7	42.7	79.3
132	102.2	72.0	133.6
130	102.3	75.4	140.0

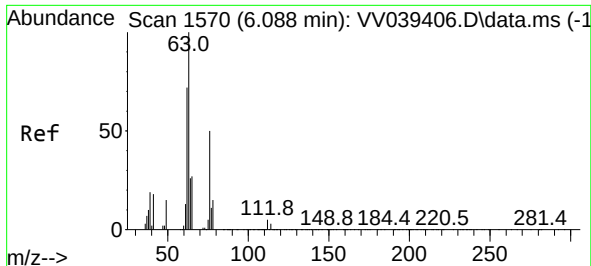


#35
Methylcyclohexane
Concen: 4.774 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 83 Resp: 196635

Ion	Ratio	Lower	Upper
83	100		
55	83.6	64.0	96.0
98	49.8	37.0	55.4

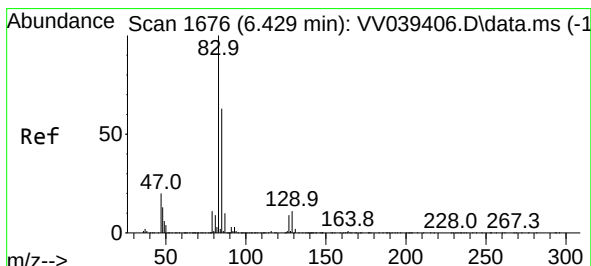
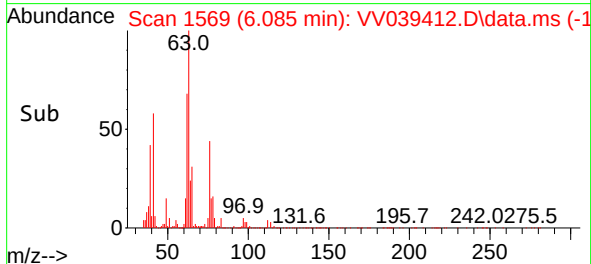
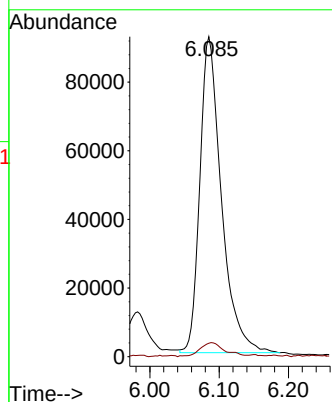
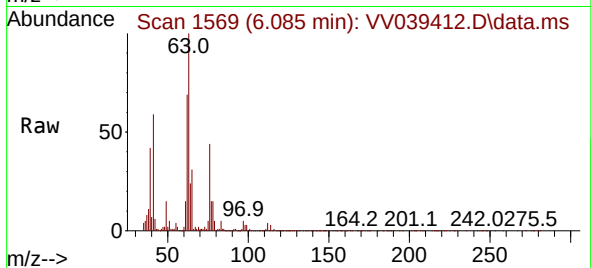




#37
1,2-Dichloropropane
Concen: 5.020 ug/L
RT: 6.085 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

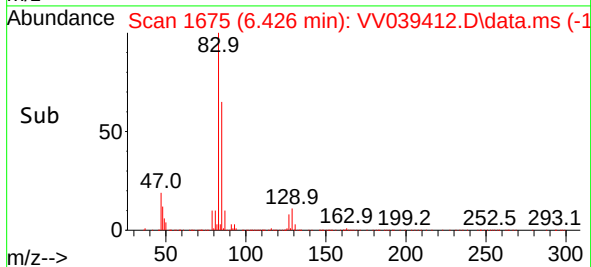
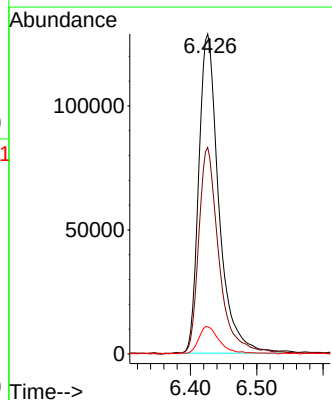
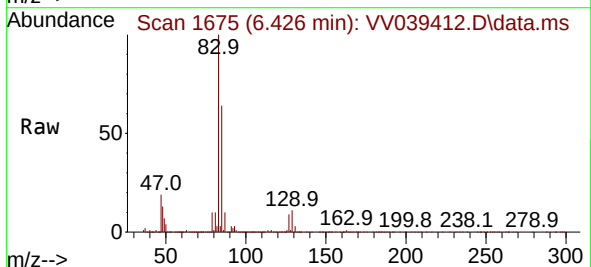
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

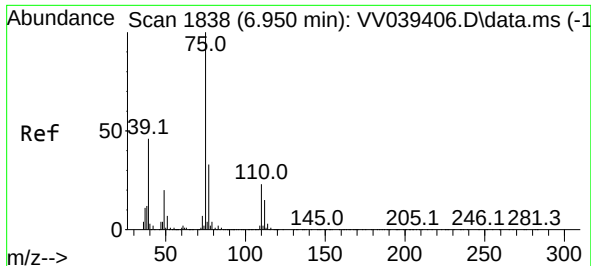
Tgt Ion: 63 Resp: 199063
Ion Ratio Lower Upper
63 100
112 5.1 4.4 6.6



#38
Bromodichloromethane
Concen: 4.912 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 83 Resp: 270492
Ion Ratio Lower Upper
83 100
85 64.5 43.8 81.4
127 8.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.078 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

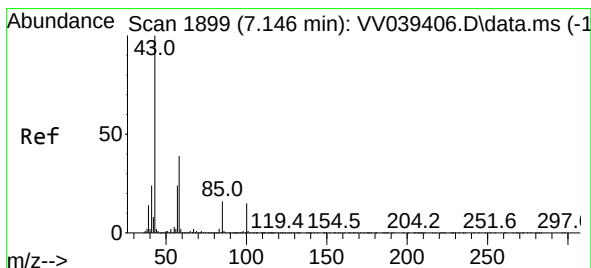
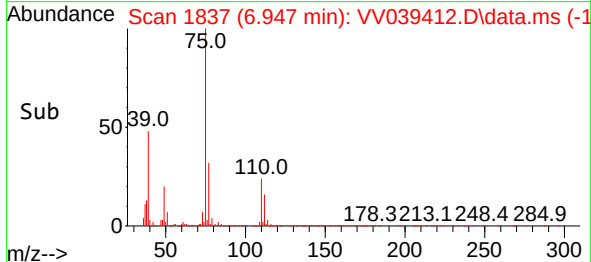
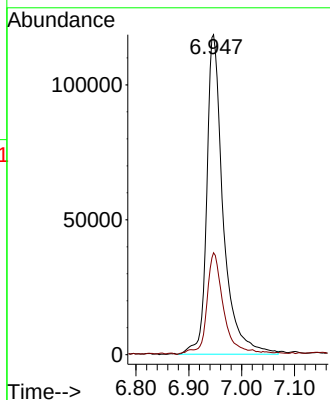
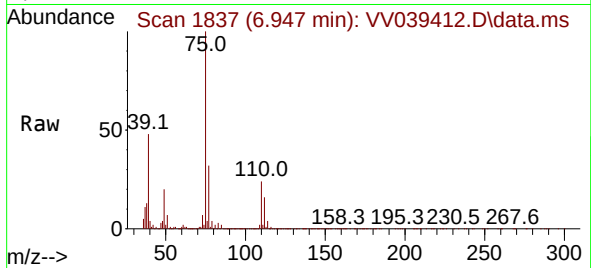
VSTD005360

Tgt Ion: 75 Resp: 255632

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 54.754 ug/L

RT: 7.143 min Scan# 1898

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

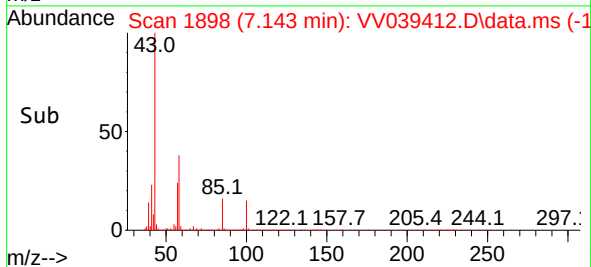
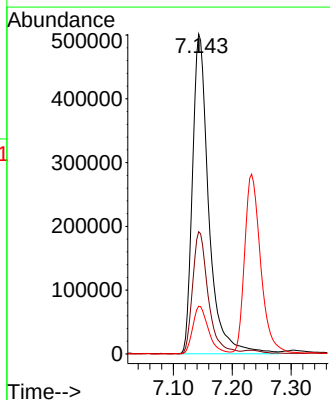
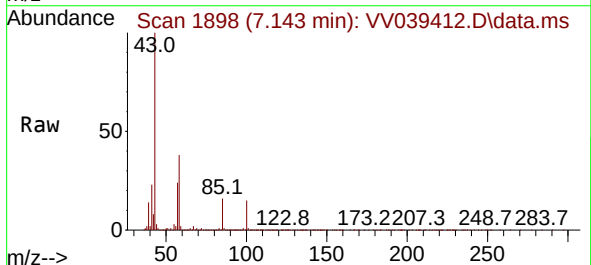
Tgt Ion: 43 Resp: 964370

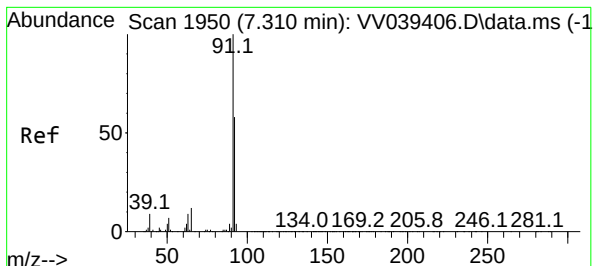
Ion Ratio Lower Upper

43 100

58 36.6 29.6 44.4

100 14.4 11.4 17.0





#42

Toluene

Concen: 5.368 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

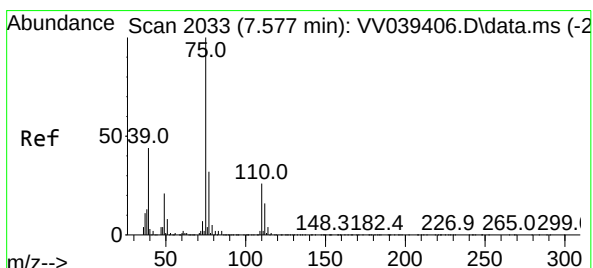
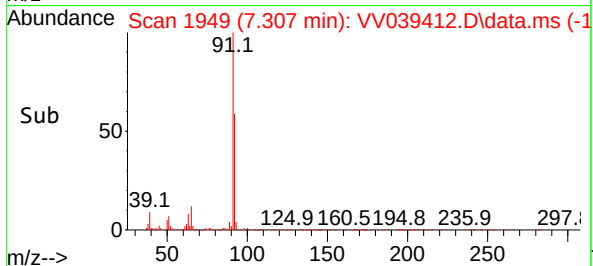
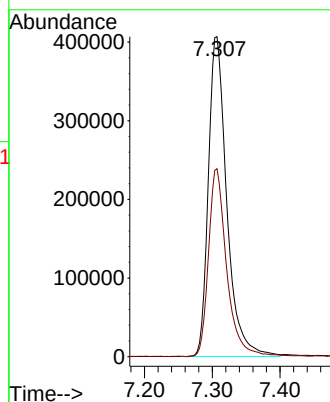
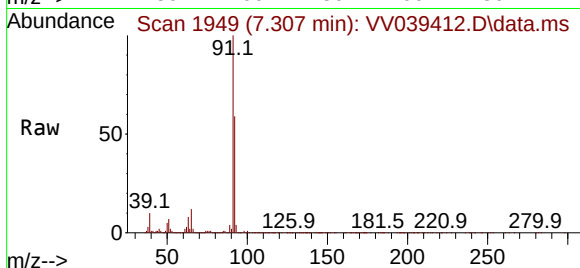
VSTD005360

Tgt Ion: 91 Resp: 768168

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.953 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV039412.D

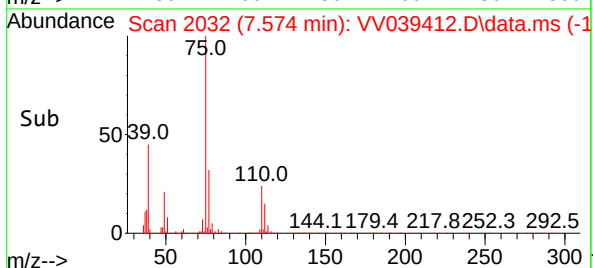
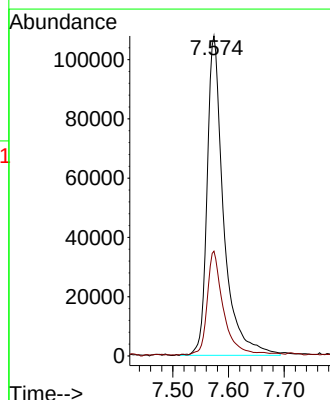
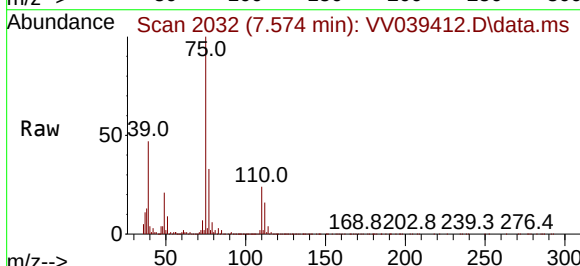
Acq: 19 Nov 2025 14:51

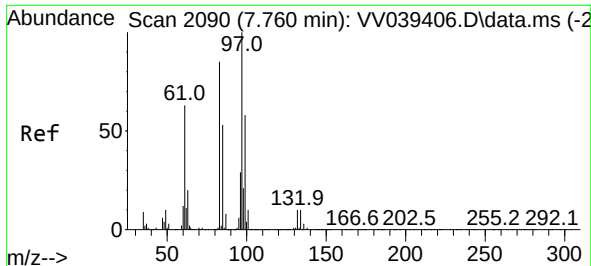
Tgt Ion: 75 Resp: 221904

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 4.956 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion: 97 Resp: 144068

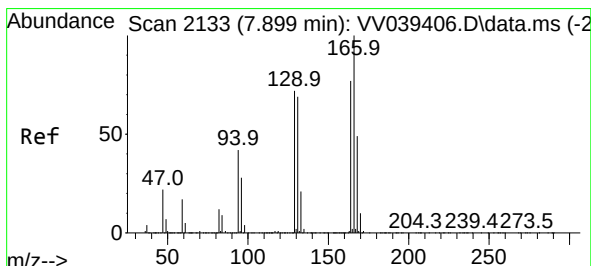
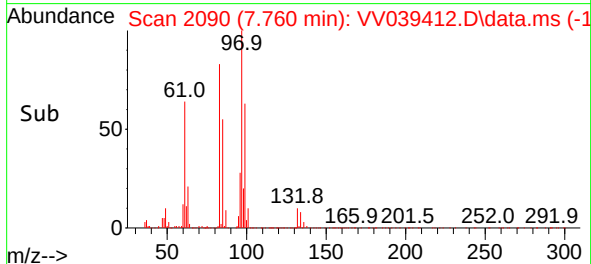
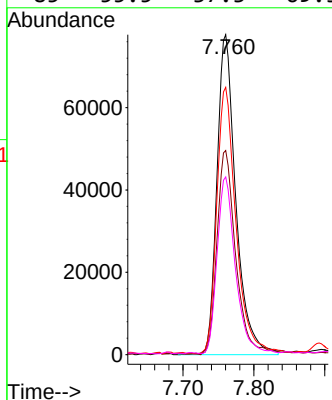
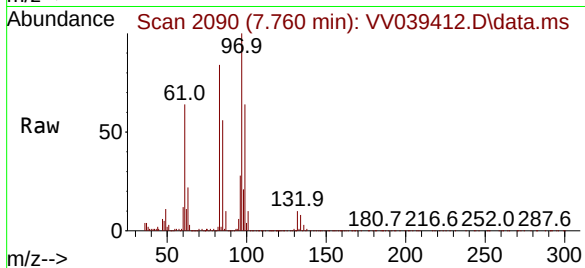
Ion Ratio Lower Upper

97 100

99 63.8 40.8 75.8

83 83.6 59.8 111.1

85 55.5 37.3 69.3



#47

Tetrachloroethene

Concen: 4.911 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Tgt Ion:164 Resp: 161811

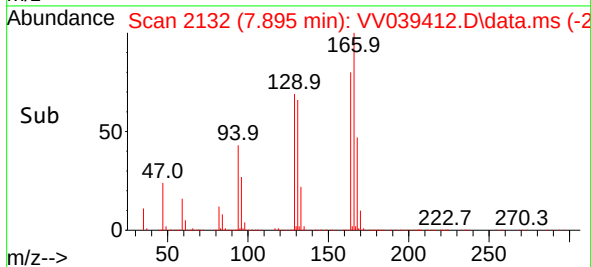
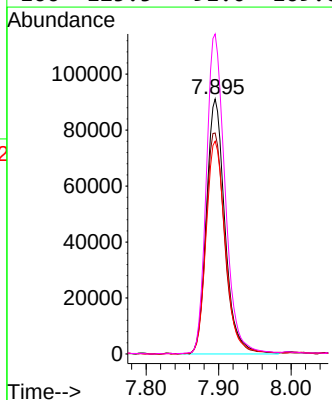
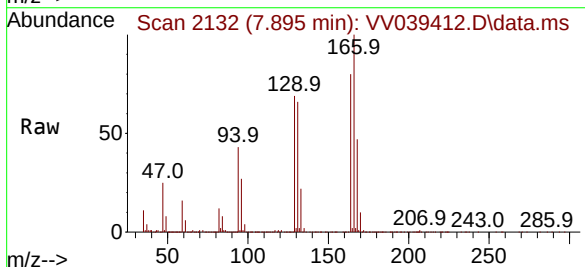
Ion Ratio Lower Upper

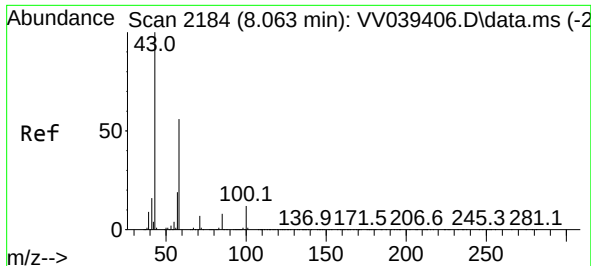
164 100

129 86.6 65.8 122.2

131 83.4 62.6 116.2

166 125.5 91.0 169.0



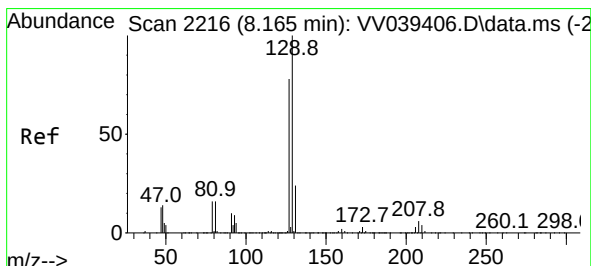
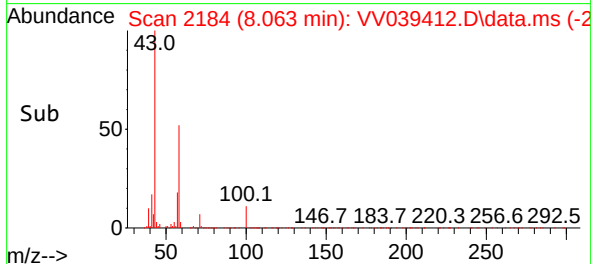
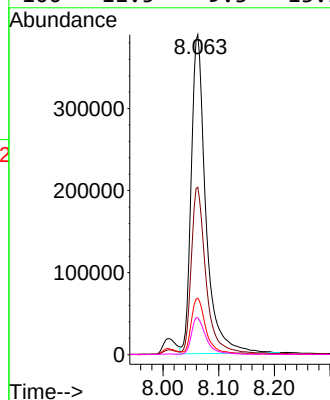
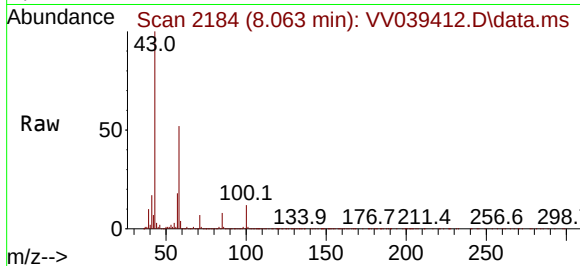


#48
2-Hexanone
Concen: 54.310 ug/L
RT: 8.063 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 43 Resp: 710406

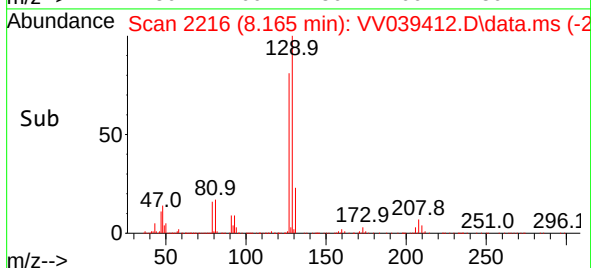
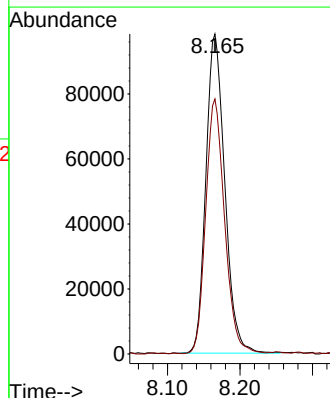
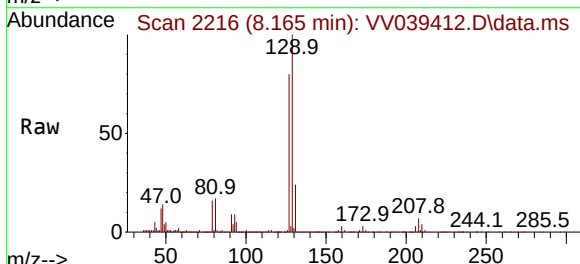
Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.4	65.2
57	17.0	15.0	22.6
100	11.5	9.3	13.9

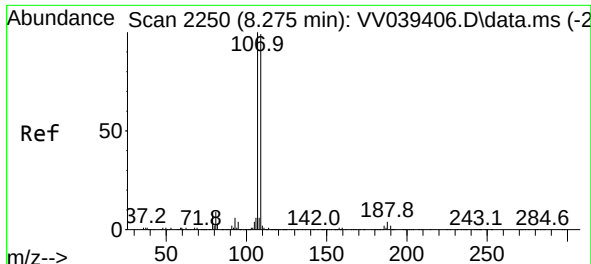


#49
Dibromochloromethane
Concen: 4.829 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. -0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 129 Resp: 177718

Ion	Ratio	Lower	Upper
129	100		
127	79.7	54.6	101.4





#50

1,2-Dibromoethane

Concen: 5.058 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

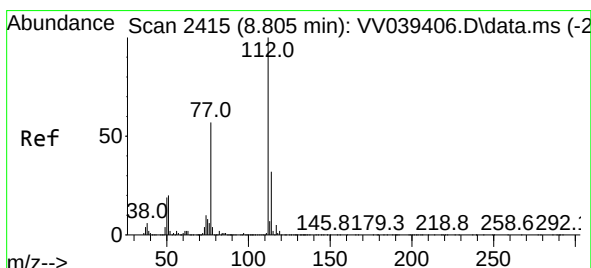
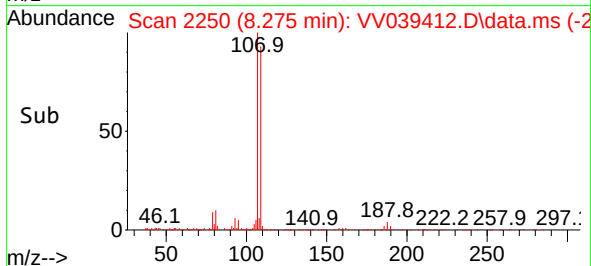
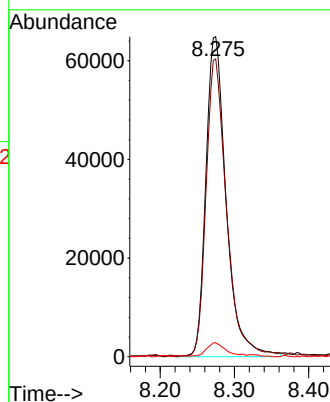
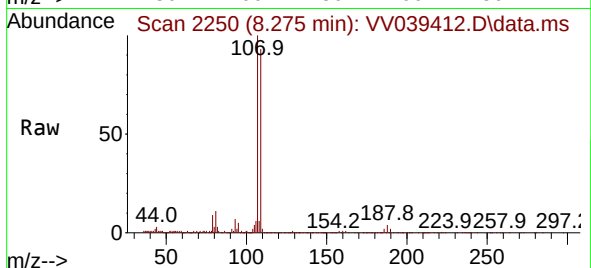
Tgt Ion:107 Resp: 123225

Ion Ratio Lower Upper

107 100

109 93.0 69.1 128.3

188 4.4 3.6 5.4



#51

Chlorobenzene

Concen: 5.056 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

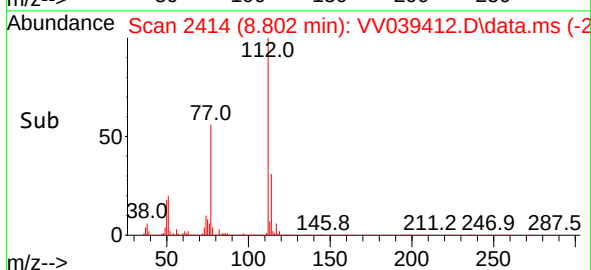
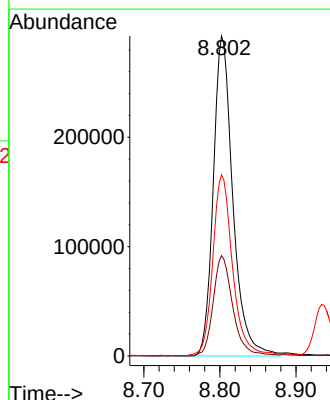
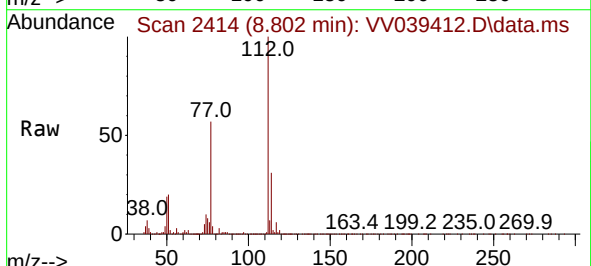
Tgt Ion:112 Resp: 522198

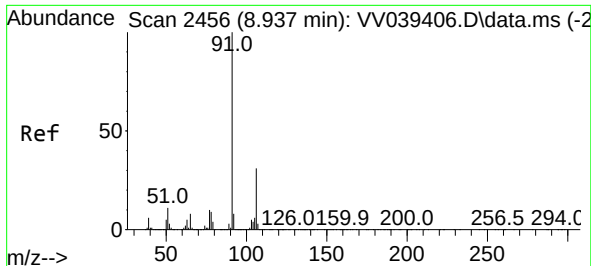
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.3

77 56.6 45.3 67.9

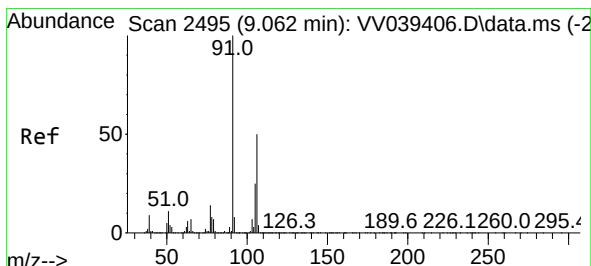
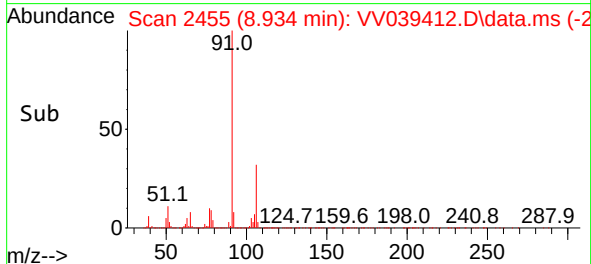
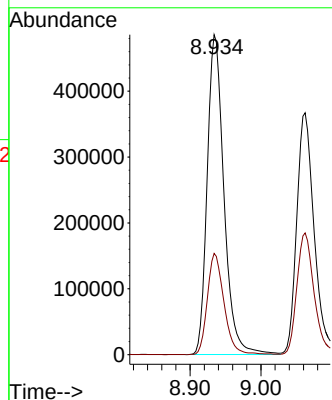
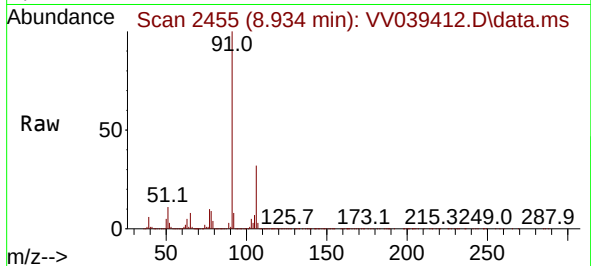




#52
Ethylbenzene
Concen: 5.148 ug/L
RT: 8.934 min Scan# 2456
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

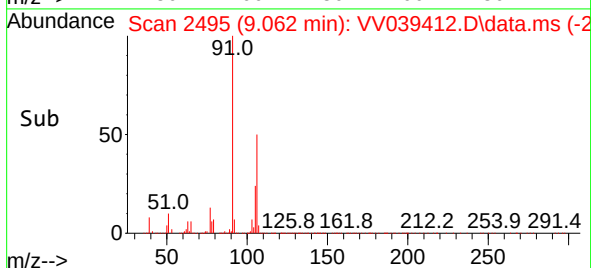
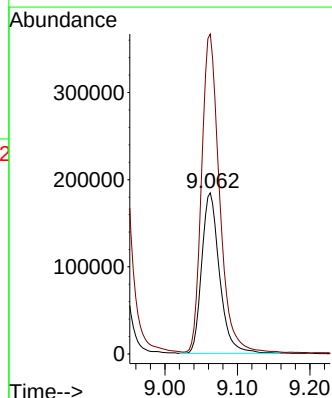
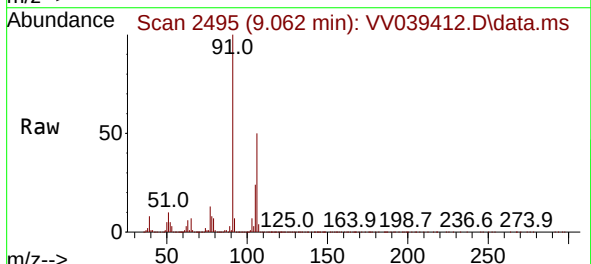
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

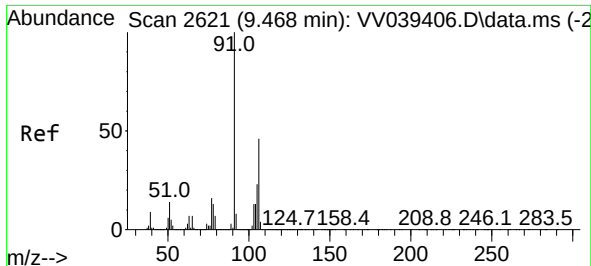
Tgt Ion: 91 Resp: 797777
Ion Ratio Lower Upper
91 100
106 31.6 21.3 39.6



#53
m,p-Xylene
Concen: 5.279 ug/L
RT: 9.062 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 106 Resp: 314204
Ion Ratio Lower Upper
106 100
91 198.7 139.6 259.2

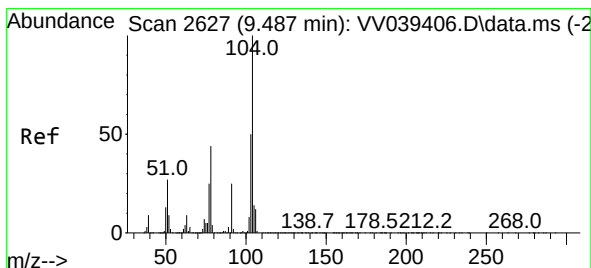
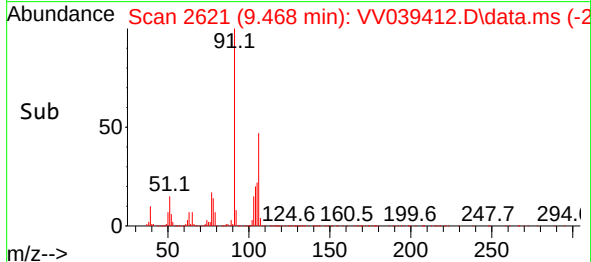
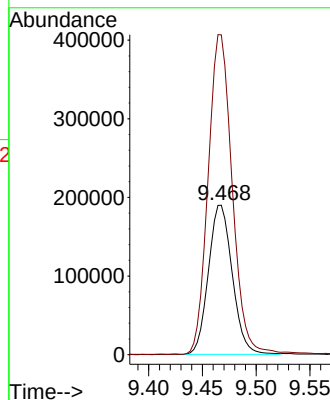
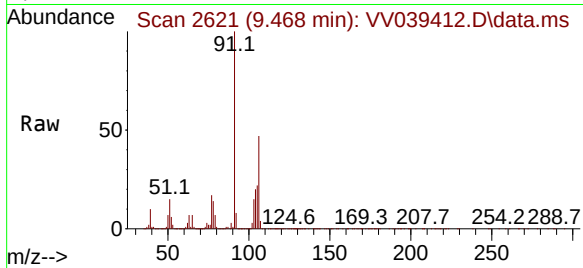




#54
o-Xylene
Concen: 5.096 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

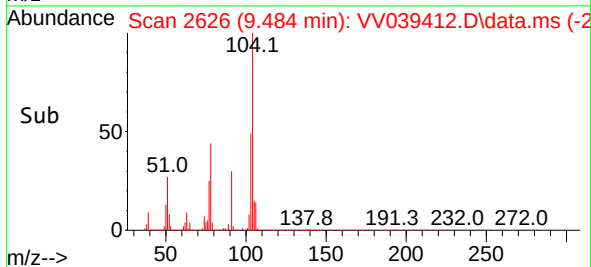
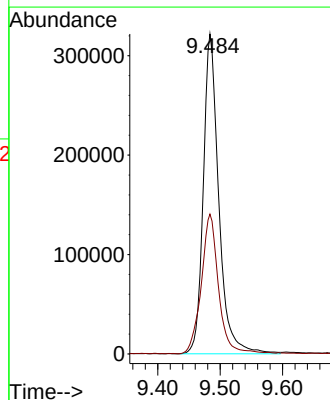
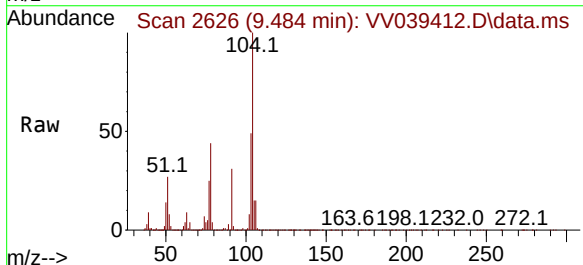
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

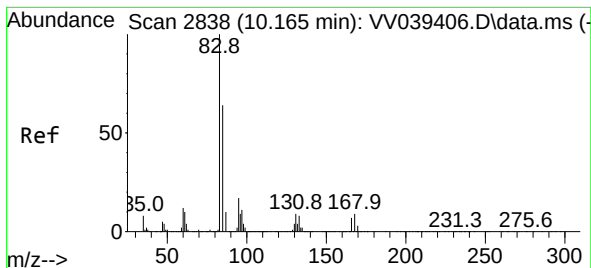
Tgt Ion:106 Resp: 292977
Ion Ratio Lower Upper
106 100
91 213.9 152.5 283.1



#55
Styrene
Concen: 5.457 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion:104 Resp: 555653
Ion Ratio Lower Upper
104 100
78 43.7 30.6 56.8

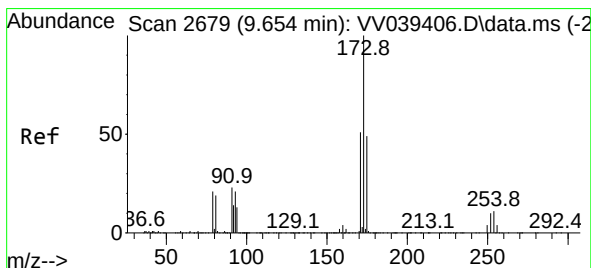
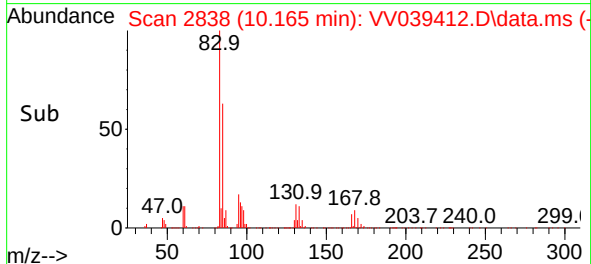
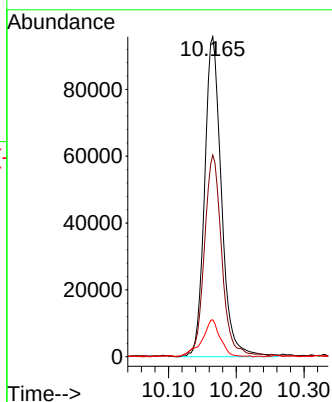
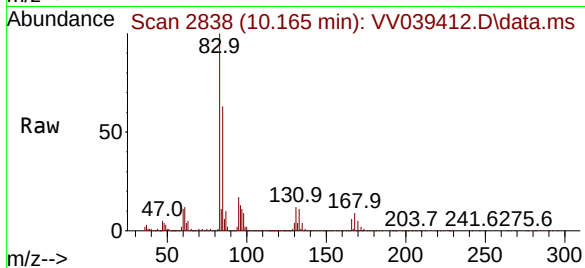




#57
1,1,2,2-Tetrachloroethane
Concen: 4.775 ug/L
RT: 10.165 min Scan# 2838
Delta R.T. -0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

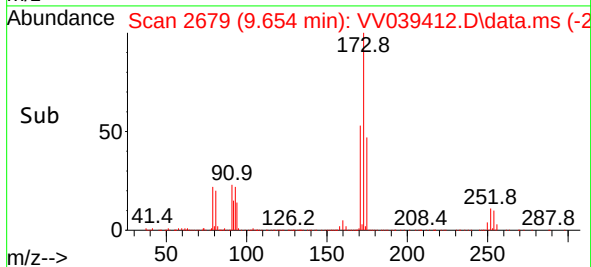
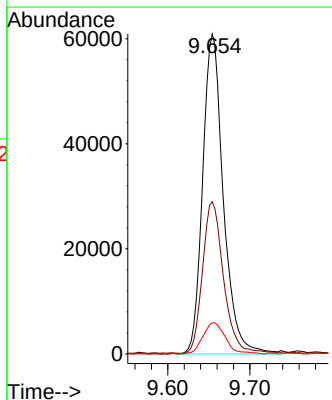
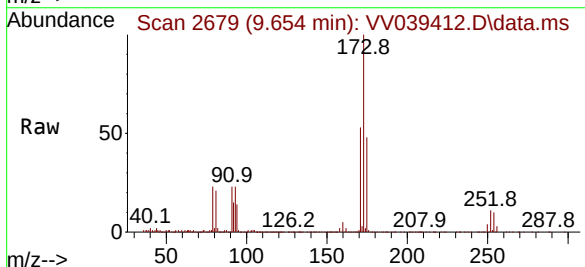
Instrument : MSVOA_V
ClientSampleId : VSTD005360

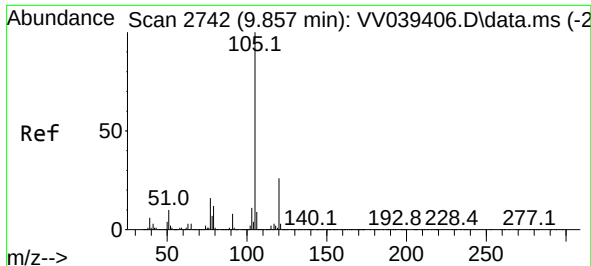
Tgt Ion: 83 Resp: 165306
Ion Ratio Lower Upper
83 100
85 63.0 45.3 84.1
131 11.5 7.8 11.8



#59
Bromoform
Concen: 4.631 ug/L
RT: 9.654 min Scan# 2679
Delta R.T. -0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 173 Resp: 106637
Ion Ratio Lower Upper
173 100
175 48.7 40.2 60.4
254 10.7 9.1 13.7

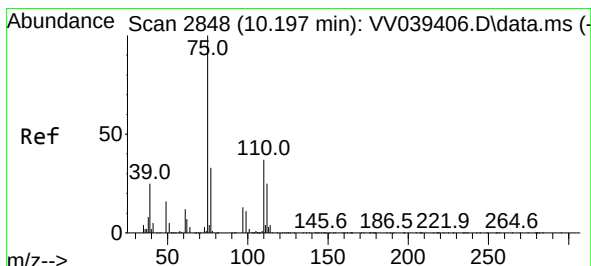
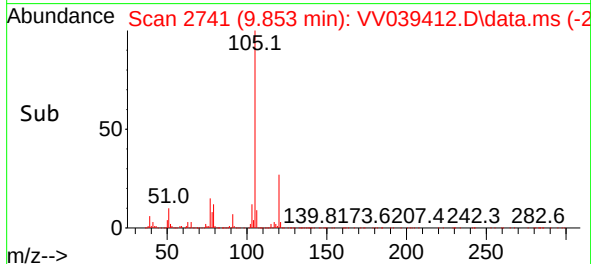
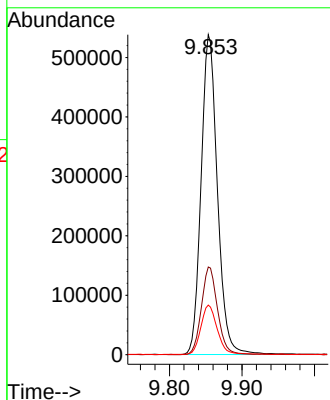
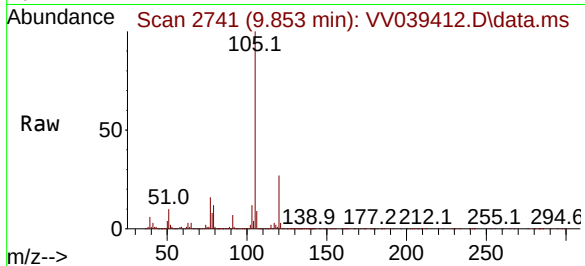




#60
Isopropylbenzene
Concen: 5.086 ug/L
RT: 9.853 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

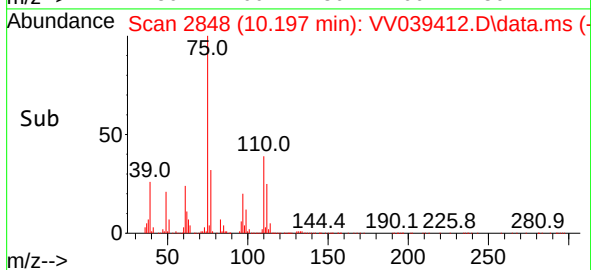
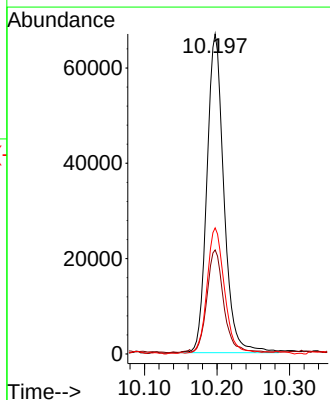
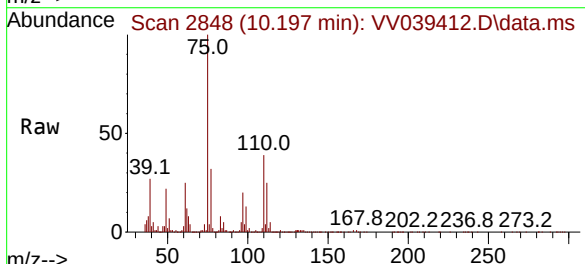
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

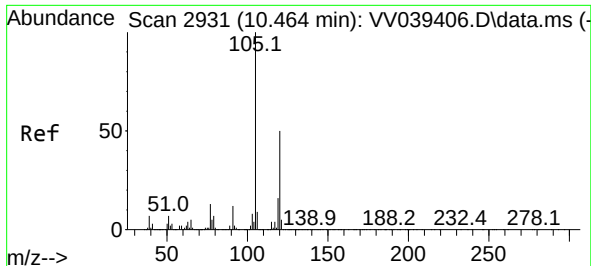
Tgt Ion:105 Resp: 839524
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.2
77 15.4 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.752 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion: 75 Resp: 109292
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
110 40.0 30.8 46.2

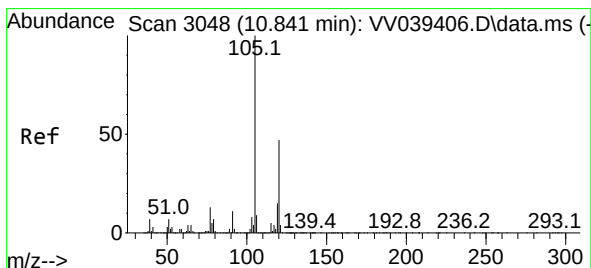
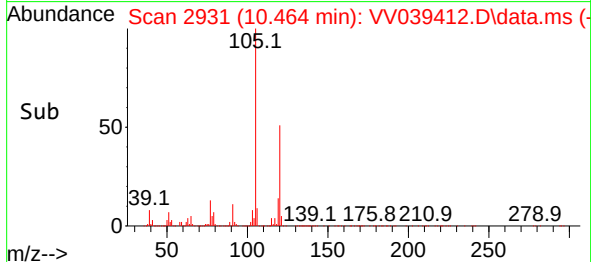
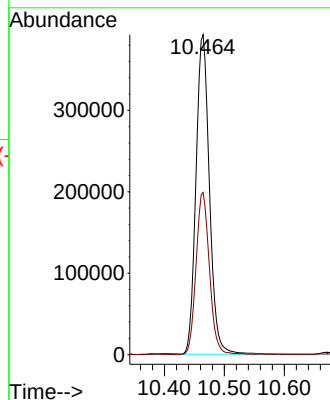
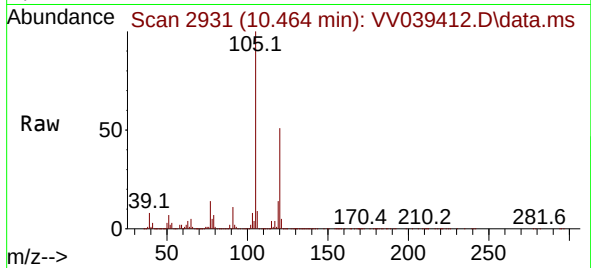




#62
1,3,5-Trimethylbenzene
Concen: 4.832 ug/L
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

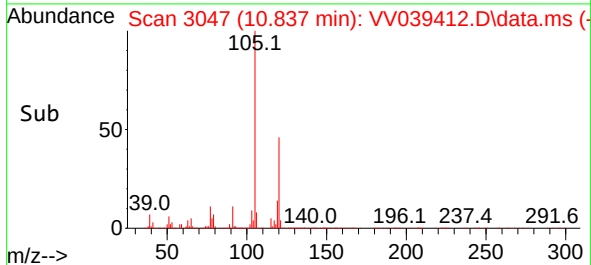
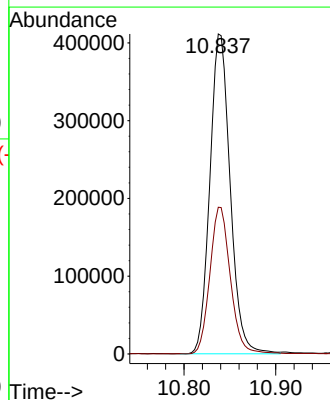
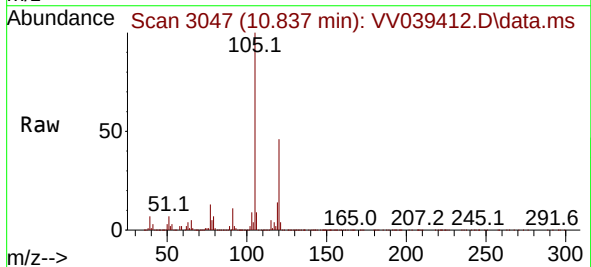
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

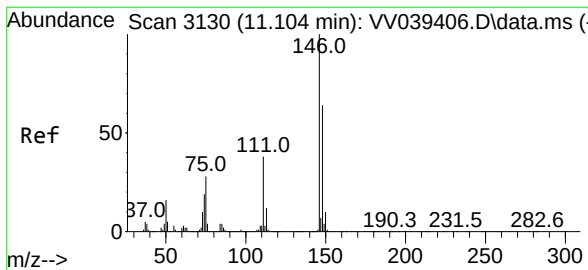
Tgt Ion:105 Resp: 612213
Ion Ratio Lower Upper
105 100
120 50.5 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 5.038 ug/L
RT: 10.837 min Scan# 3047
Delta R.T. -0.003 min
Lab File: VV039412.D
Acq: 19 Nov 2025 14:51

Tgt Ion:105 Resp: 633004
Ion Ratio Lower Upper
105 100
120 46.1 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 5.044 ug/L

RT: 11.104 min Scan# 3130

Delta R.T. -0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

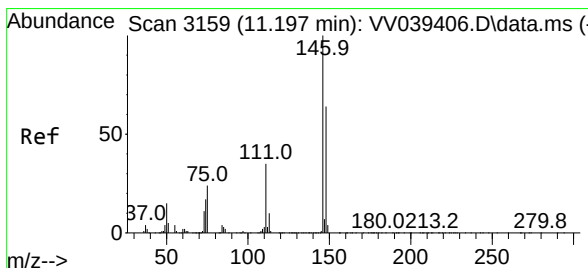
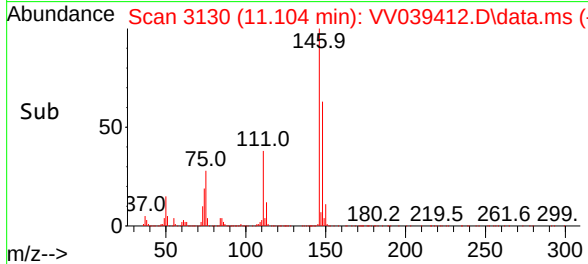
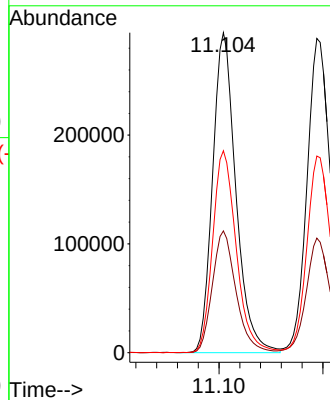
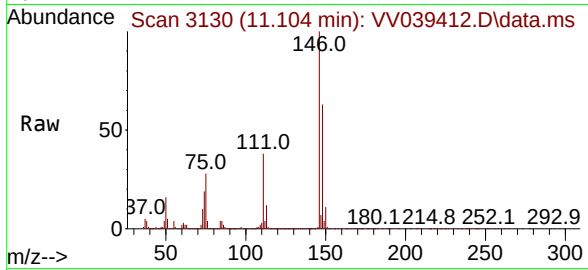
Tgt Ion:146 Resp: 457642

Ion Ratio Lower Upper

146 100

111 38.1 26.6 49.4

148 63.1 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 5.097 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. -0.003 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

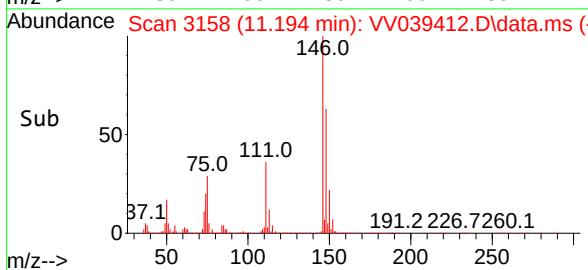
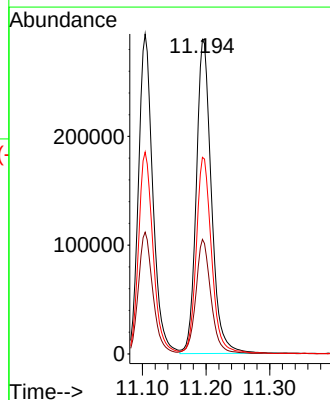
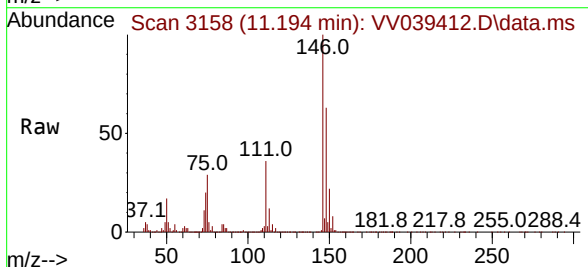
Tgt Ion:146 Resp: 476975

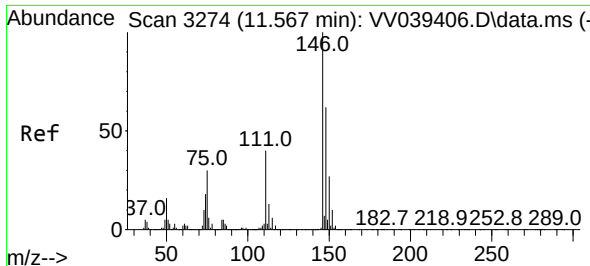
Ion Ratio Lower Upper

146 100

111 36.5 24.6 45.6

148 62.6 44.9 83.3

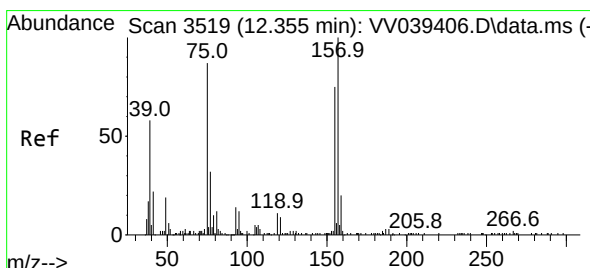
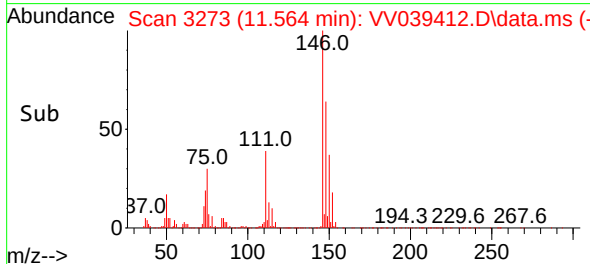
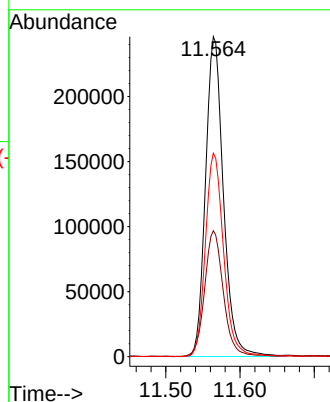
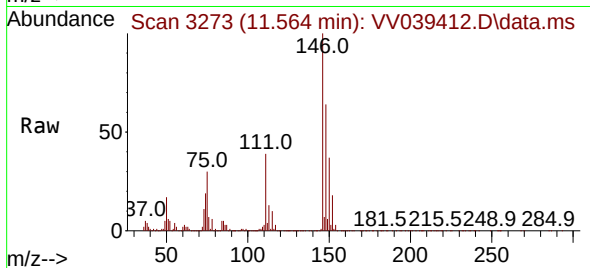




#67
 1,2-Dichlorobenzene
 Concen: 4.988 ug/L
 RT: 11.564 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

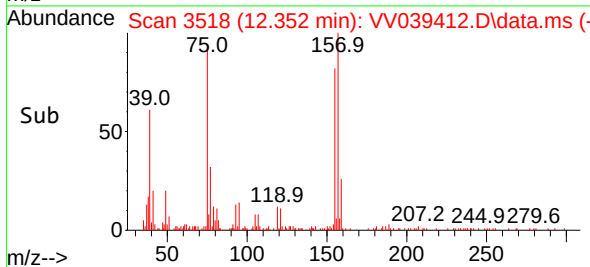
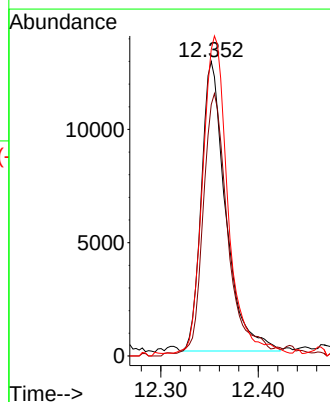
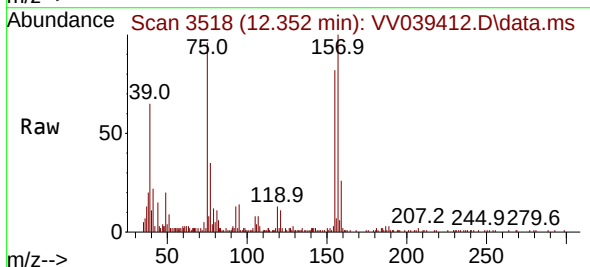
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

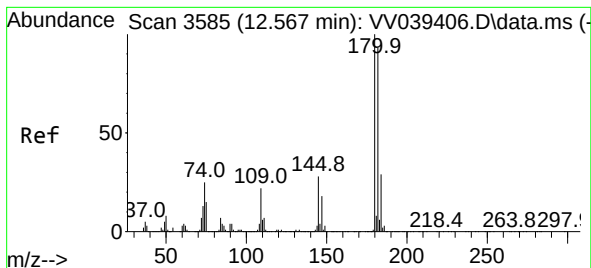
Tgt Ion:146 Resp: 410509
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.7 47.5
 148 63.6 49.8 74.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.139 ug/L
 RT: 12.352 min Scan# 3518
 Delta R.T. -0.003 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

Tgt Ion: 75 Resp: 22299
 Ion Ratio Lower Upper
 75 100
 155 85.4 69.5 104.3
 157 104.1 92.0 138.0

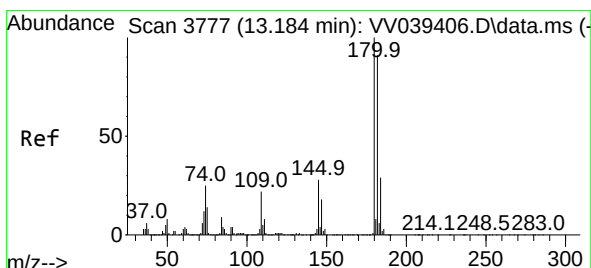
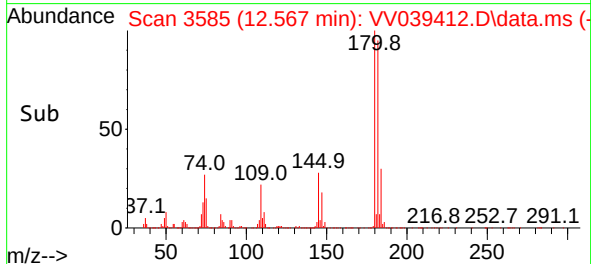
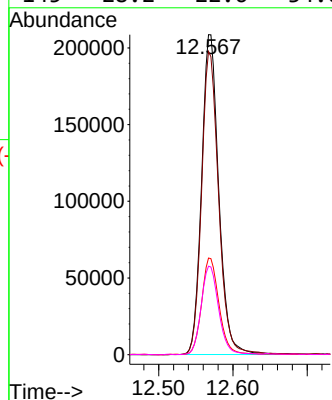
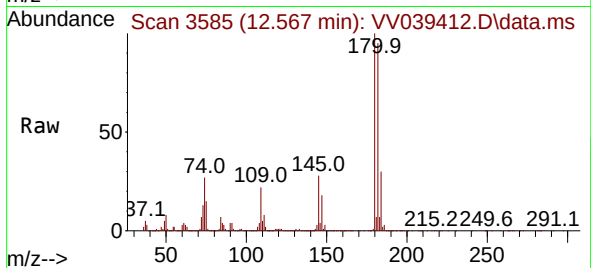




#69
 1,3,5-Trichlorobenzene
 Concen: 4.902 ug/L
 RT: 12.567 min Scan# 3585
 Delta R.T. -0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

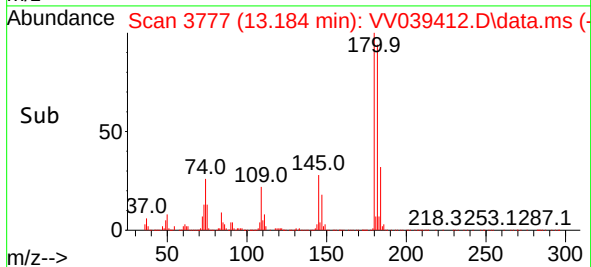
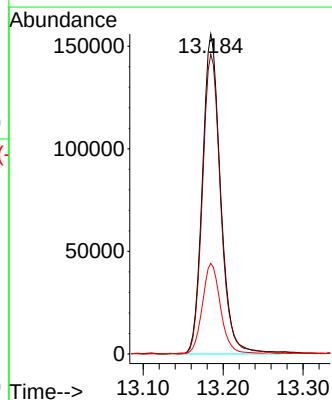
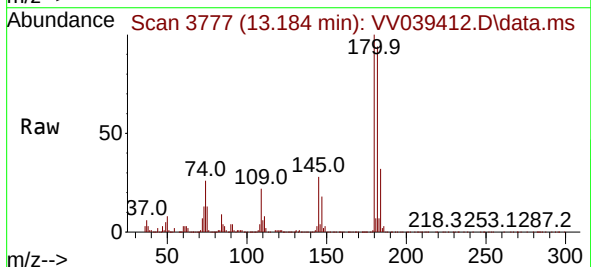
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

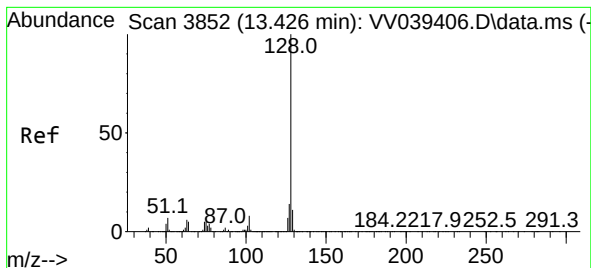
Tgt Ion:	180	Resp:	335141
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.9	115.3
184	30.5	24.3	36.5
145	28.2	22.6	34.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.184 min Scan# 3777
 Delta R.T. 0.000 min
 Lab File: VV039412.D
 Acq: 19 Nov 2025 14:51

Tgt Ion:	180	Resp:	247044
Ion Ratio	Lower	Upper	
180	100		
182	94.6	74.6	111.8
145	28.1	23.3	34.9





#71

Naphthalene

Concen: 4.710 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

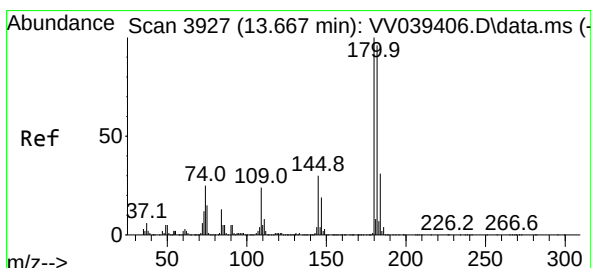
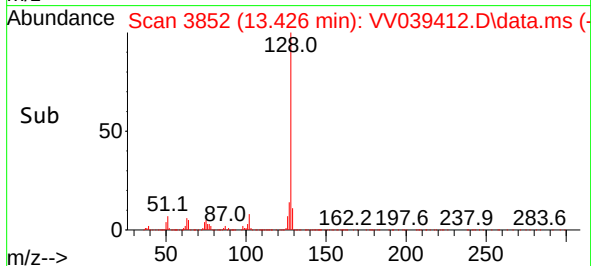
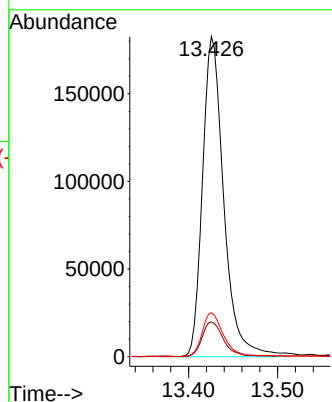
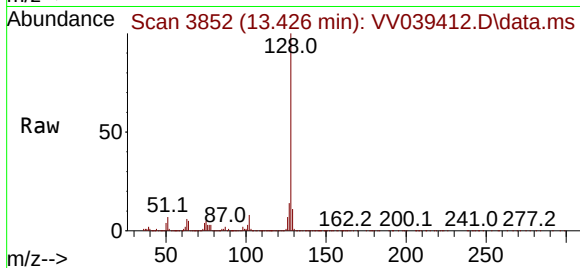
Tgt Ion:128 Resp: 302327

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.8 11.3 16.9



#72

1,2,3-Trichlorobenzene

Concen: 4.803 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV039412.D

Acq: 19 Nov 2025 14:51

Tgt Ion:180 Resp: 223475

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.0

145 30.6 24.6 36.8

