

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112025\
 Data File : VV039417.D
 Acq On : 20 Nov 2025 11:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005362

Quant Time: Nov 21 03:09:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 03:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	318895	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	350683	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	251256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	196338	4.480	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.545	69	175210	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.072	65	94472	4.749	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	3.789	46	340867	47.855	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.720%
24) Chloroform-d	4.249	84	469532	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	4.940	65	207414	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	4.957	84	853372	5.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	5.982	67	247302	4.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.233	98	817061	5.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.400%
43) trans-1,3-Dichloroprop...	7.545	79	88158	4.913	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.011	63	272618	50.506	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.020%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	172480	5.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	11.545	152	263191	4.950	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	167921	4.886	ug/L	99
3) Chloromethane	1.230	50	124580	4.904	ug/L	99
5) Vinyl chloride	1.298	62	144215	4.870	ug/L	98
6) Bromomethane	1.500	94	87311	5.111	ug/L	95
8) Chloroethane	1.564	64	106377	4.903	ug/L	98
9) Trichlorofluoromethane	1.728	101	290465	5.029	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	185347	4.880	ug/L	99
12) 1,1-Dichloroethene	2.082	96	133750	4.929	ug/L	93
13) Acetone	2.121	43	257556	48.202	ug/L	99
14) Carbon disulfide	2.252	76	217496	4.835	ug/L	100
15) Methyl Acetate	2.388	43	61695	5.246	ug/L	97
16) Methylene chloride	2.458	84	175141	4.459	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	322110	4.935	ug/L	98
18) trans-1,2-Dichloroethene	2.706	96	141813	4.924	ug/L	98
19) 1,1-Dichloroethane	3.117	63	364133	5.062	ug/L	99
21) 2-Butanone	3.863	43	346778	47.866	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	174448	4.970	ug/L	94
23) Bromochloromethane	4.153	128	85373	5.351	ug/L	94
25) Chloroform	4.275	83	403188	5.132	ug/L	97

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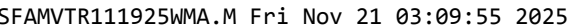
Instrument :
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 ClientSampleId :
 VSTD005362

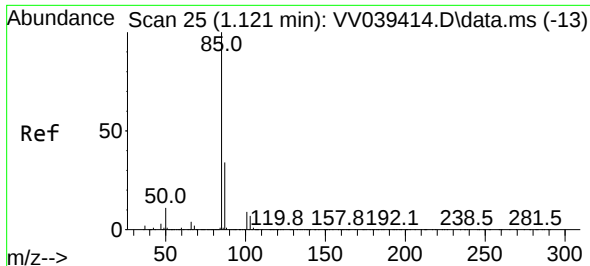
Quant Time: Nov 21 03:09:45 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	195799	4.914	ug/L	97
29) 1,1,1-Trichloroethane	4.510	97	337508	5.167	ug/L	98
30) Cyclohexane	4.580	56	180432	4.842	ug/L	93
31) Carbon tetrachloride	4.735	117	288020	5.007	ug/L	97
33) Benzene	5.008	78	696890	5.407	ug/L	100
34) Trichloroethene	5.831	95	176722	4.999	ug/L	96
35) Methylcyclohexane	6.043	83	194764	4.909	ug/L	96
37) 1,2-Dichloropropane	6.085	63	201813	5.283	ug/L	97
38) Bromodichloromethane	6.426	83	275563	5.195	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	246588	5.085	ug/L	96
40) 4-Methyl-2-pentanone	7.143	43	941907	55.516	ug/L	99
42) Toluene	7.307	91	773453	5.611	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	215266	4.988	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	139556	4.984	ug/L	97
47) Tetrachloroethene	7.895	164	162160	5.109	ug/L	96
48) 2-Hexanone	8.059	43	694072	55.083	ug/L	99
49) Dibromochloromethane	8.165	129	181494	5.119	ug/L	99
50) 1,2-Dibromoethane	8.275	107	118602	5.054	ug/L	96
51) Chlorobenzene	8.802	112	517397	5.201	ug/L	98
52) Ethylbenzene	8.934	91	784721	5.257	ug/L	98
53) m,p-Xylene	9.062	106	304624	5.313	ug/L	100
54) o-Xylene	9.468	106	294625	5.320	ug/L	94
55) Styrene	9.484	104	552607	5.634	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	163012	4.888	ug/L	100
59) Bromoform	9.654	173	108016	4.793	ug/L	96
60) Isopropylbenzene	9.853	105	842865	5.217	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	107131	4.759	ug/L	97
62) 1,3,5-Trimethylbenzene	10.461	105	604433	4.874	ug/L	98
63) 1,2,4-Trimethylbenzene	10.837	105	624642	5.080	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	456518	5.141	ug/L	100
65) 1,4-Dichlorobenzene	11.194	146	470784	5.140	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	417263	5.180	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	21735	4.122	ug/L	96
69) 1,3,5-Trichlorobenzene	12.567	180	328108	4.904	ug/L	99
70) 1,2,4-trichlorobenzene	13.184	180	240855	4.725	ug/L	98
71) Naphthalene	13.426	128	284477	4.528	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	214885	4.718	ug/L	98

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

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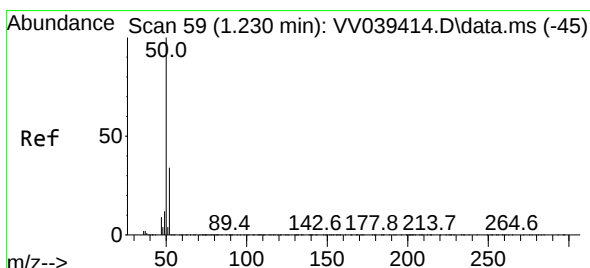
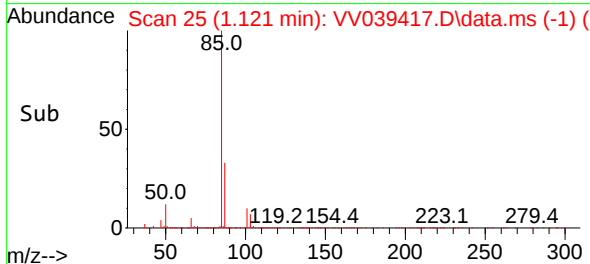
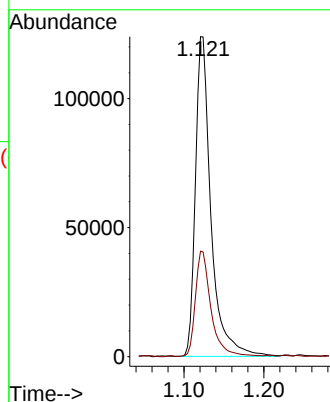
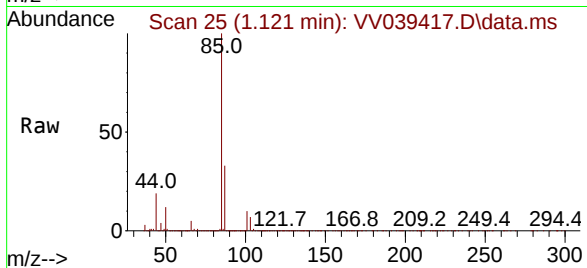




#2
Dichlorodifluoromethane
Concen: 4.886 ug/L
RT: 1.121 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

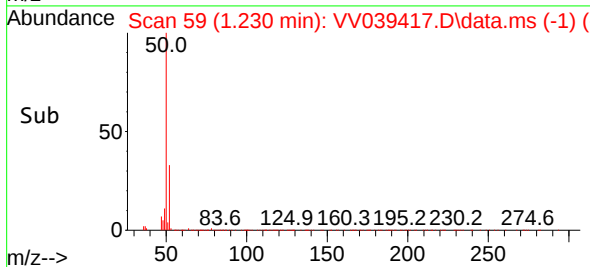
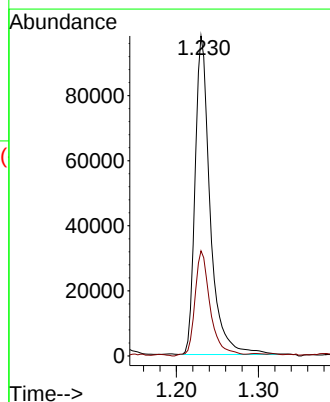
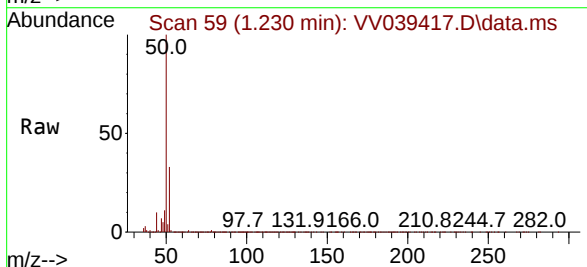
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

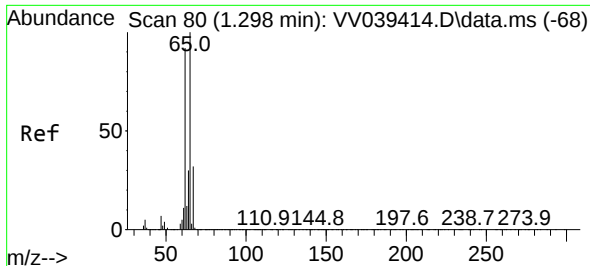
Tgt Ion: 85 Resp: 167921
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.8



#3
Chloromethane
Concen: 4.904 ug/L
RT: 1.230 min Scan# 59
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 50 Resp: 124580
Ion Ratio Lower Upper
50 100
52 32.9 23.2 43.2

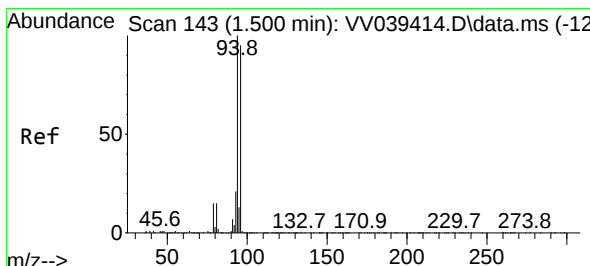
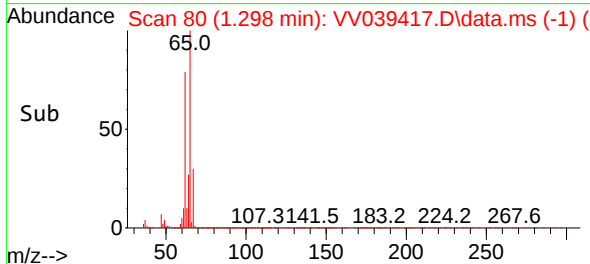
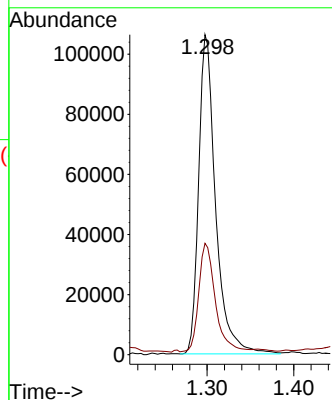
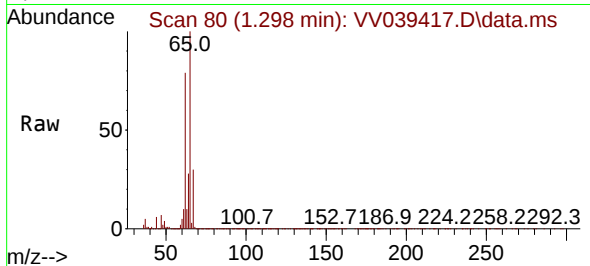




#5
 Vinyl chloride
 Concen: 4.870 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

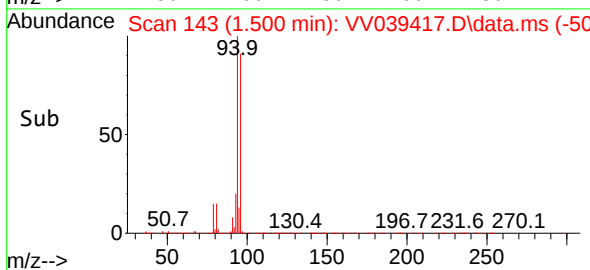
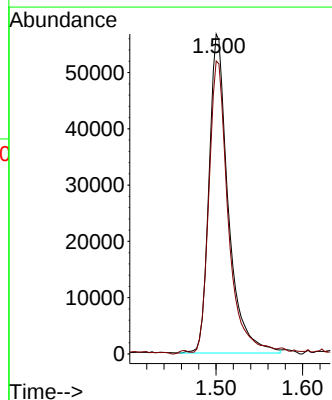
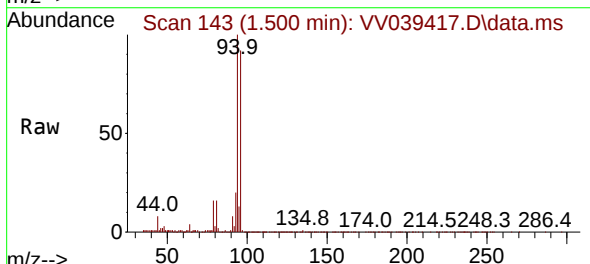
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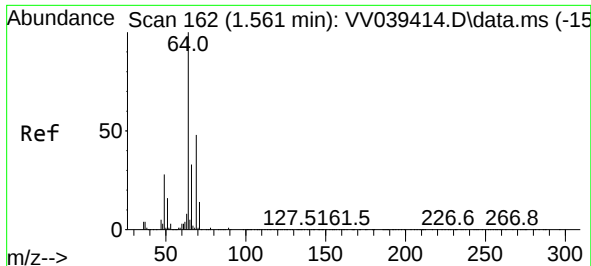
Tgt Ion: 62 Resp: 144215
 Ion Ratio Lower Upper
 62 100
 64 34.8 23.7 44.1



#6
 Bromomethane
 Concen: 5.111 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

Tgt Ion: 94 Resp: 87311
 Ion Ratio Lower Upper
 94 100
 96 91.5 67.2 124.8

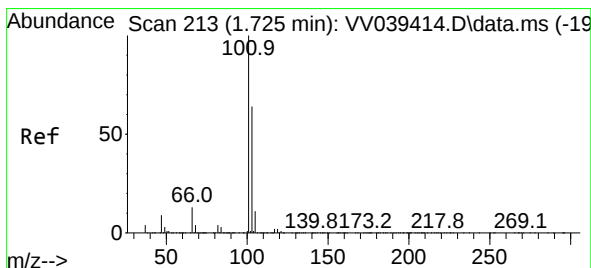
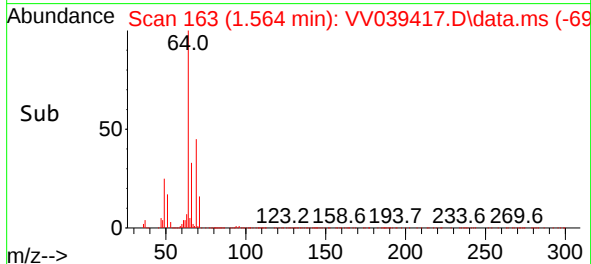
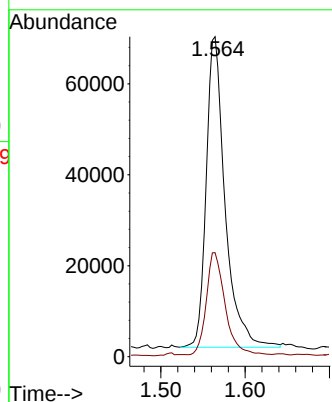
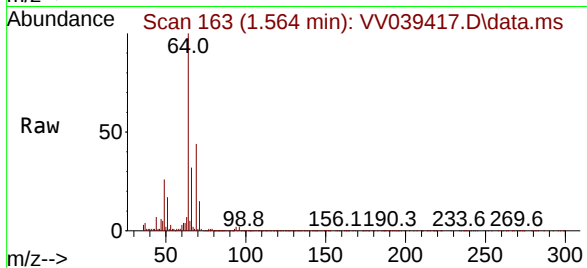




#8
Chloroethane
Concen: 4.903 ug/L
RT: 1.564 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

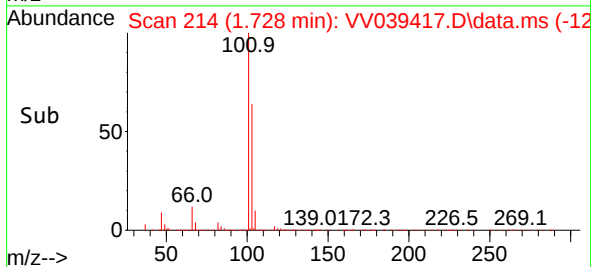
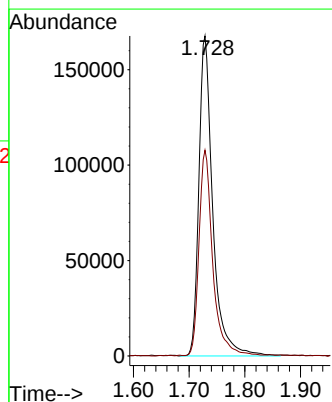
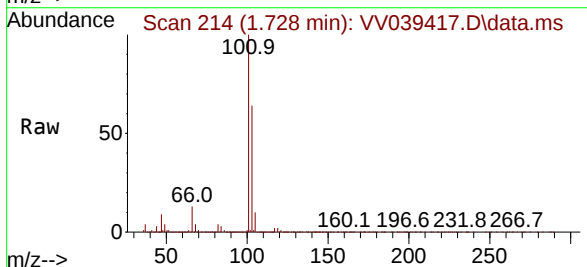
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MSVOA_V
ClientSampleId :
VSTD005362

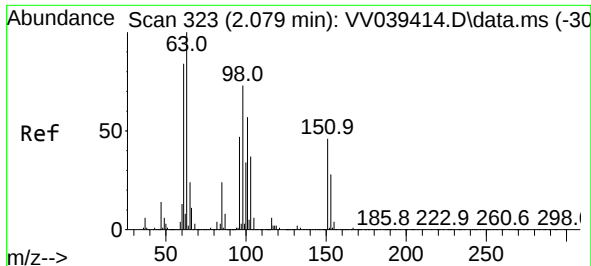
Tgt Ion: 64 Resp: 106377
Ion Ratio Lower Upper
64 100
66 32.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.029 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 101 Resp: 290465
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2





#10

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

Concen: 4.880 ug/L

RT: 2.082 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

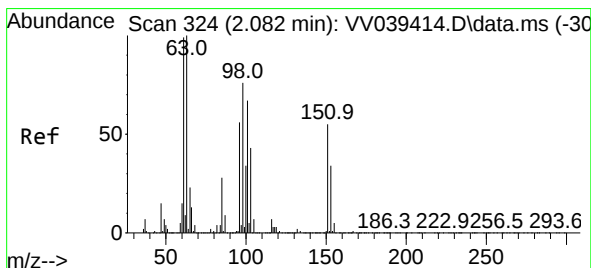
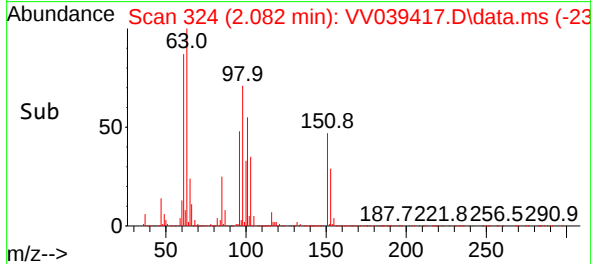
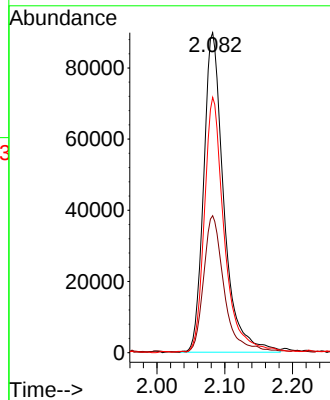
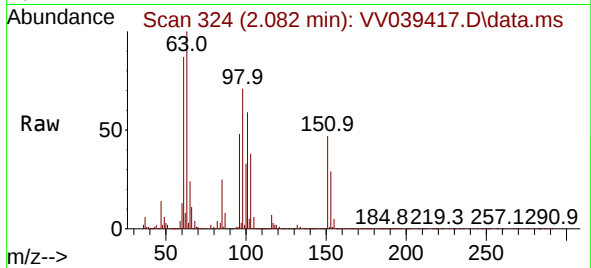
Tgt Ion:101 Resp: 185347

Ion Ratio Lower Upper

101 100

85 43.6 34.0 51.0

151 78.6 62.3 93.5



#12

1,1-Dichloroethene

Concen: 4.929 ug/L

RT: 2.082 min Scan# 324

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

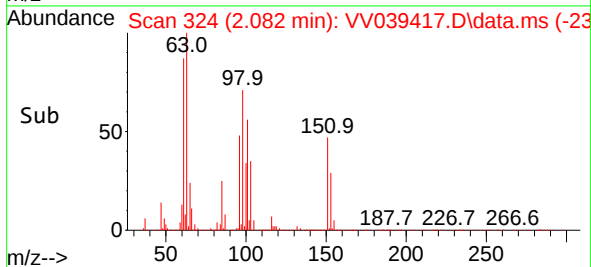
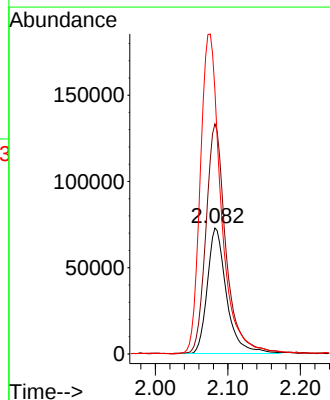
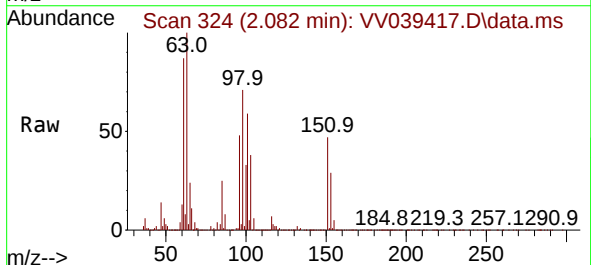
Tgt Ion: 96 Resp: 133750

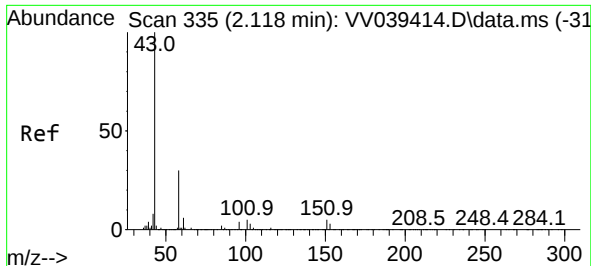
Ion Ratio Lower Upper

96 100

61 182.8 127.7 237.1

63 209.4 132.6 246.2

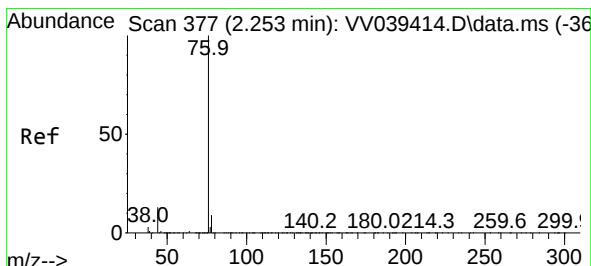
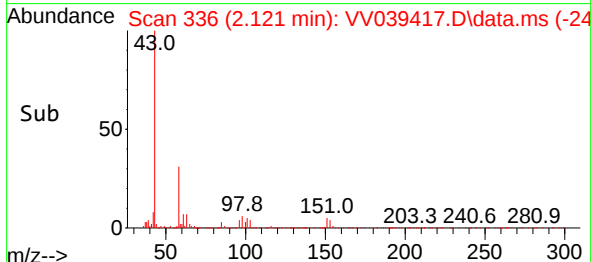
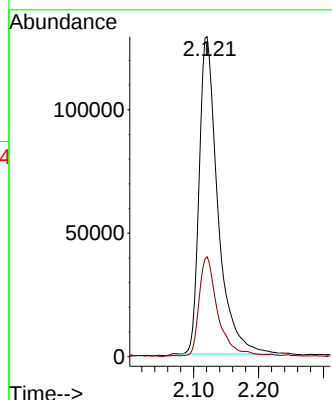
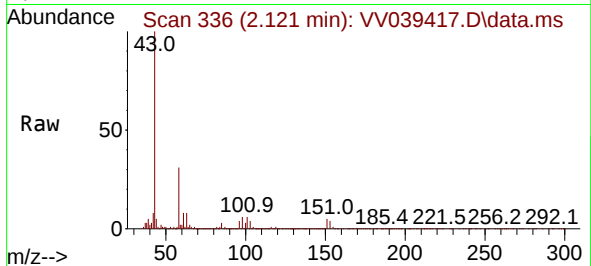




#13
Acetone
Concen: 48.202 ug/L
RT: 2.121 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

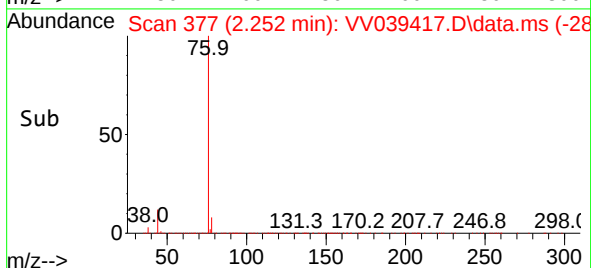
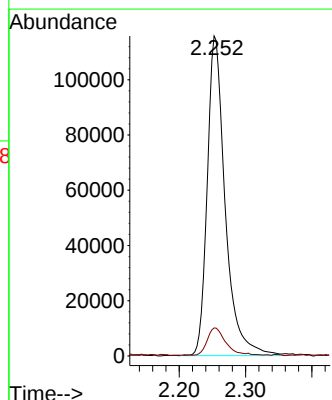
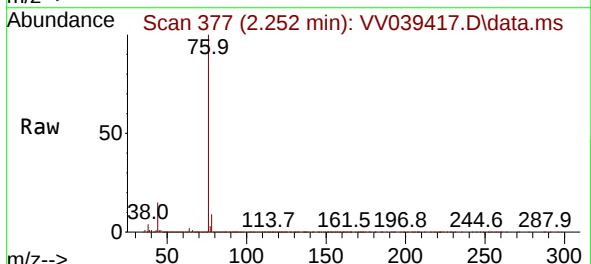
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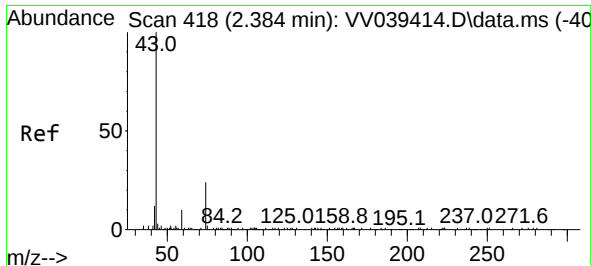
Tgt Ion: 43 Resp: 257556
Ion Ratio Lower Upper
43 100
58 30.8 0.0 60.0



#14
Carbon disulfide
Concen: 4.835 ug/L
RT: 2.252 min Scan# 377
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 76 Resp: 217496
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

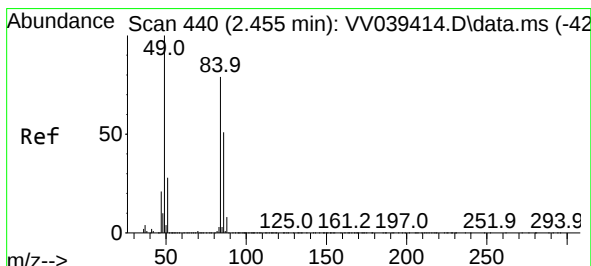
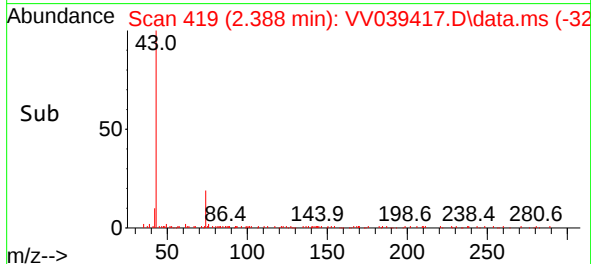
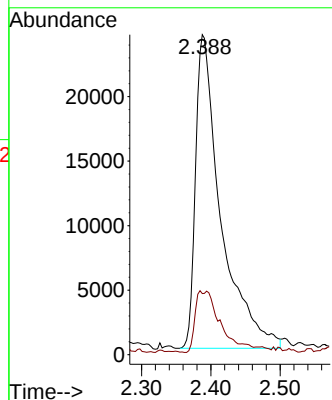
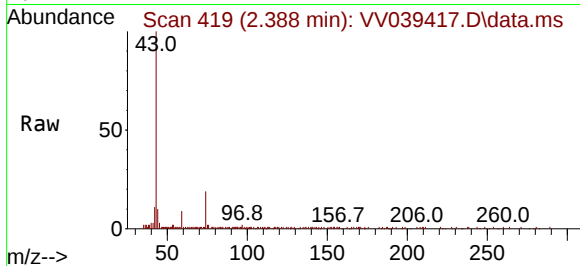




#15
Methyl Acetate
Concen: 5.246 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

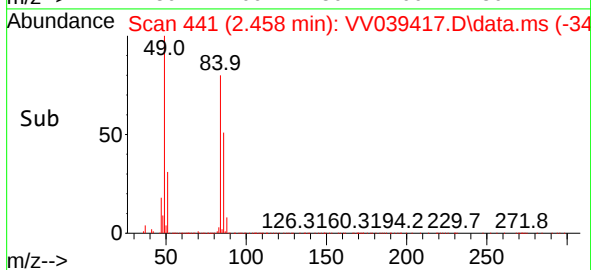
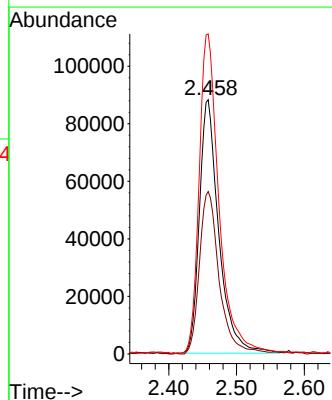
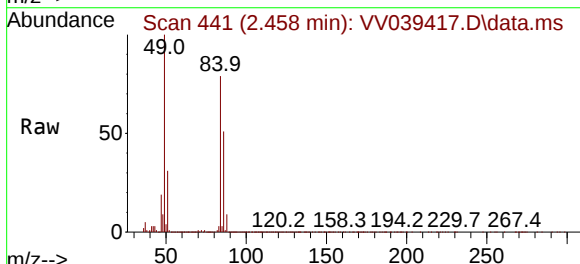
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

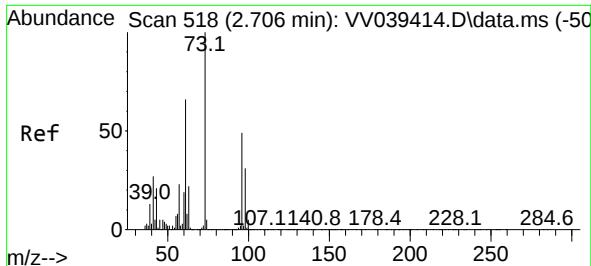
Tgt Ion: 43 Resp: 61695
Ion Ratio Lower Upper
43 100
74 19.6 14.5 21.7



#16
Methylene chloride
Concen: 4.459 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 84 Resp: 175141
Ion Ratio Lower Upper
84 100
86 63.9 46.8 87.0
49 125.9 93.0 172.8





#17

Methyl tert-butyl Ether

Concen: 4.935 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

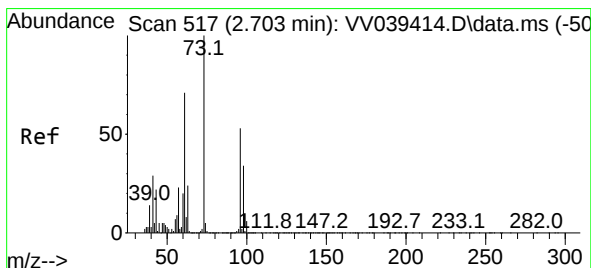
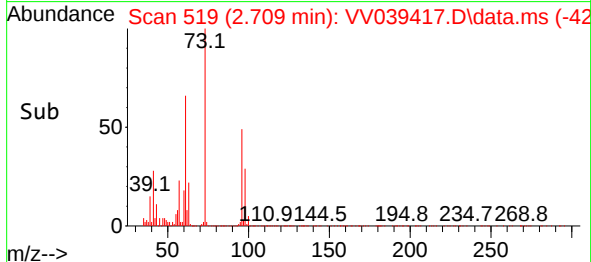
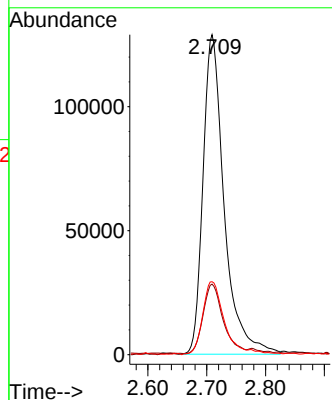
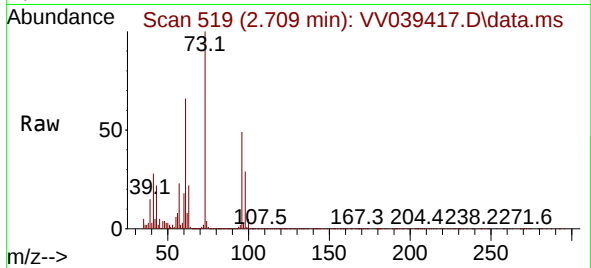
Tgt Ion: 73 Resp: 322110

Ion Ratio Lower Upper

73 100

43 20.7 17.4 26.2

57 22.7 18.8 28.2



#18

trans-1,2-Dichloroethene

Concen: 4.924 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

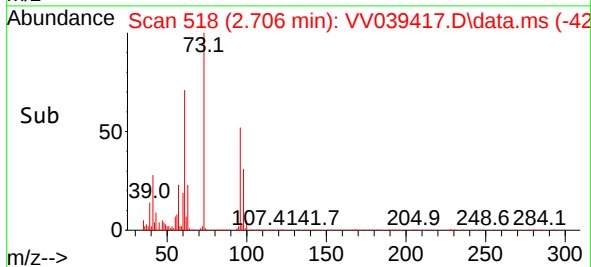
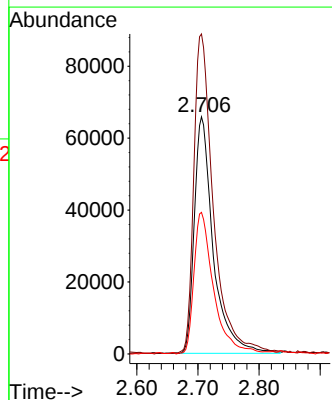
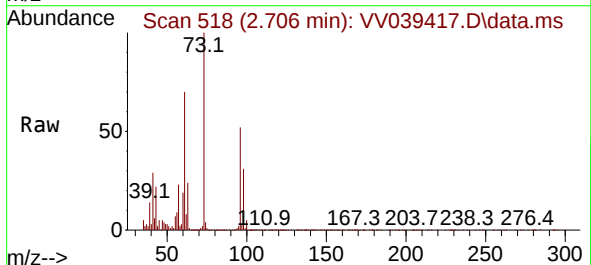
Tgt Ion: 96 Resp: 141813

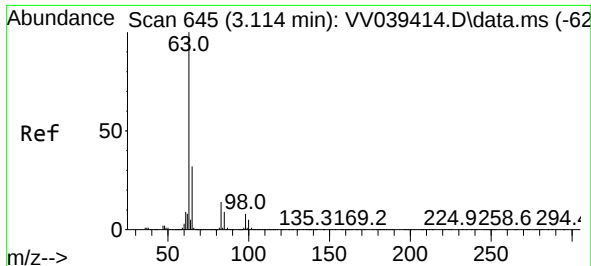
Ion Ratio Lower Upper

96 100

61 135.0 94.7 175.9

98 59.7 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.062 ug/L

RT: 3.117 min Scan# 645

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

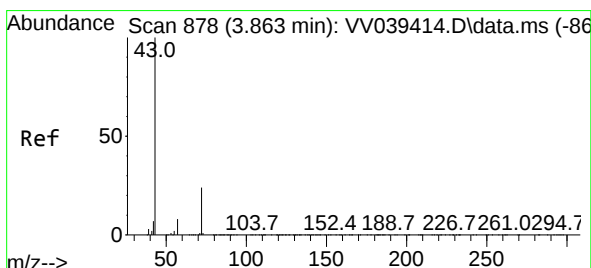
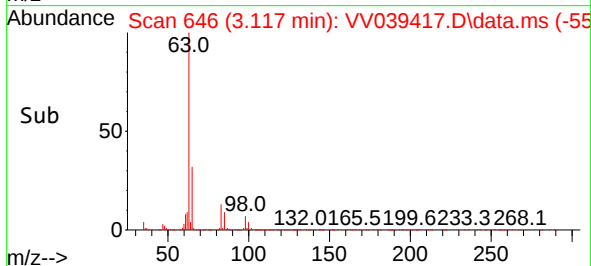
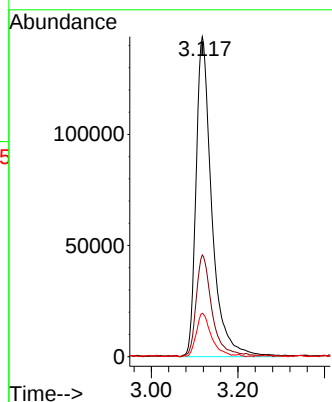
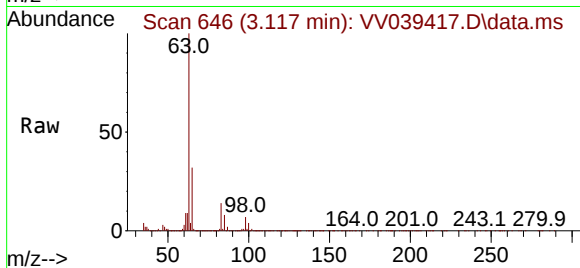
Tgt Ion: 63 Resp: 364133

Ion Ratio Lower Upper

63 100

65 31.8 22.9 42.5

83 13.5 9.2 17.2



#21

2-Butanone

Concen: 47.866 ug/L

RT: 3.863 min Scan# 878

Delta R.T. -0.000 min

Lab File: VV039417.D

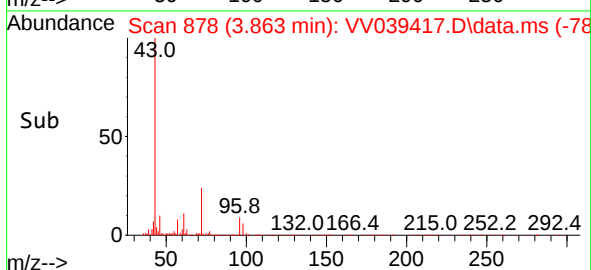
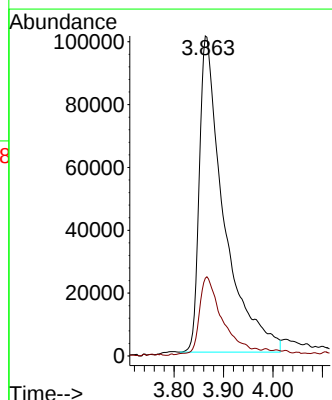
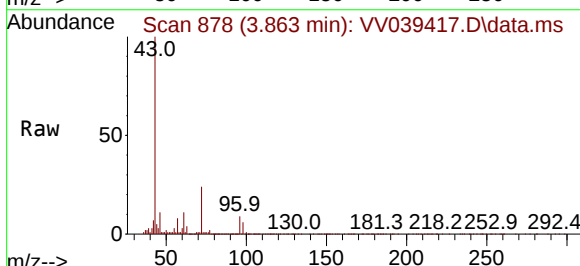
Acq: 20 Nov 2025 11:08

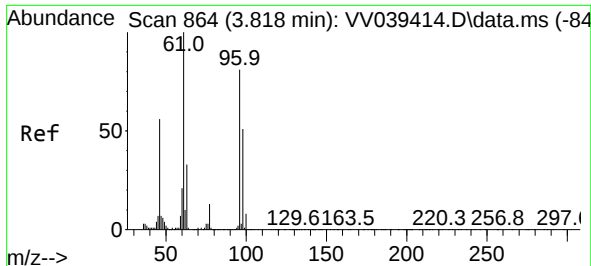
Tgt Ion: 43 Resp: 346778

Ion Ratio Lower Upper

43 100

72 22.7 11.7 35.0

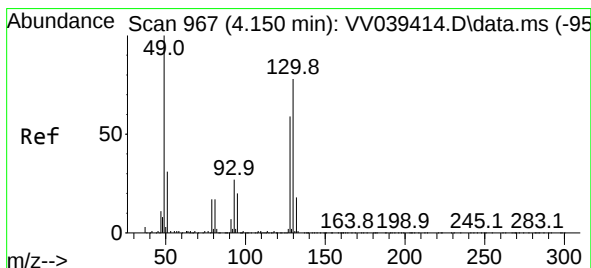
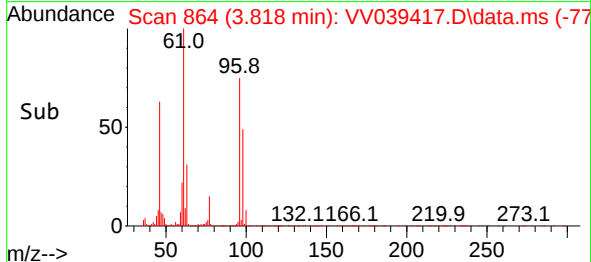
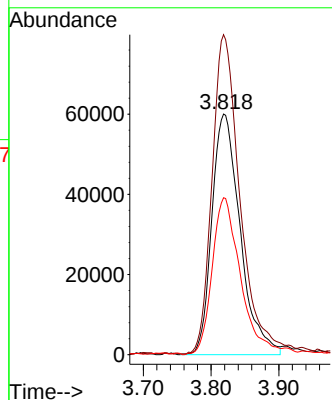
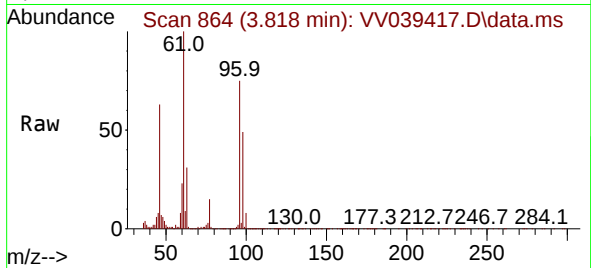




#22
 cis-1,2-Dichloroethene
 Concen: 4.970 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

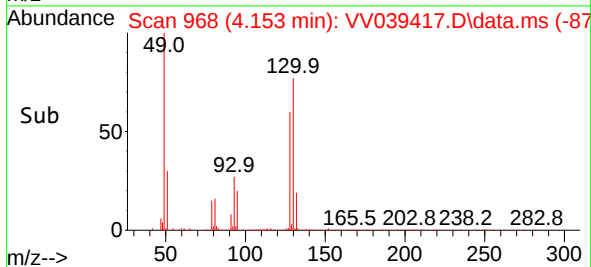
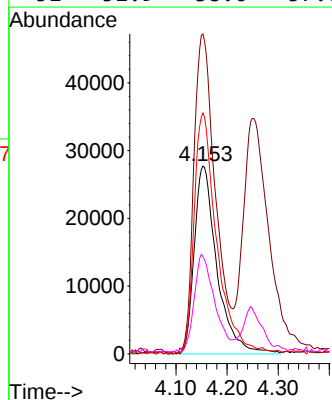
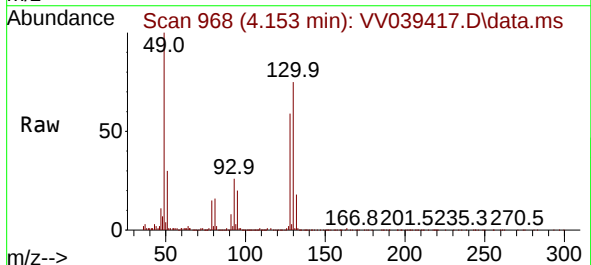
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005362

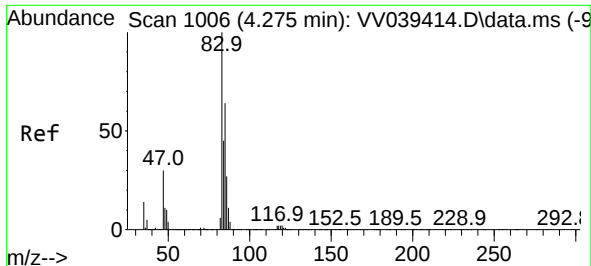
Tgt Ion: 96 Resp: 174448
 Ion Ratio Lower Upper
 96 100
 61 132.9 87.1 161.7
 98 65.2 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.351 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.003 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

Tgt Ion:128 Resp: 85373
 Ion Ratio Lower Upper
 128 100
 49 170.3 110.7 205.5
 130 128.3 88.2 163.8
 51 51.9 38.0 57.0

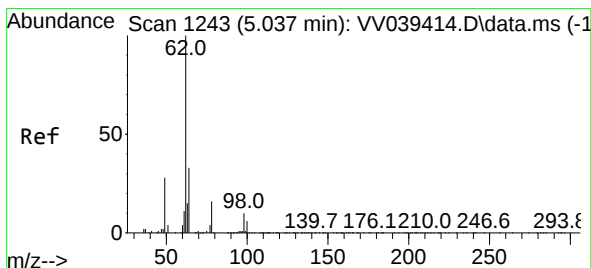
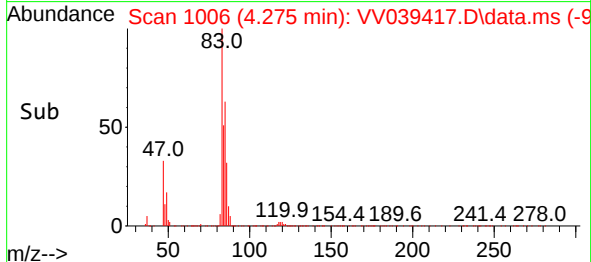
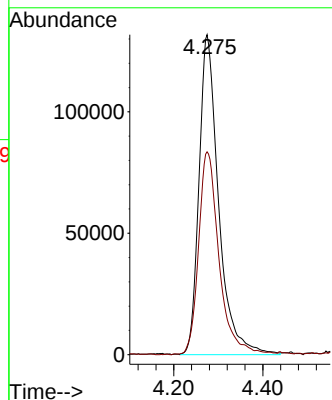
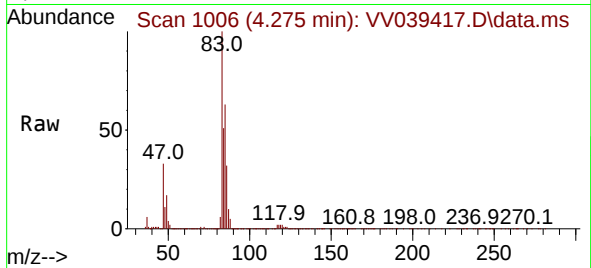




#25
Chloroform
Concen: 5.132 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

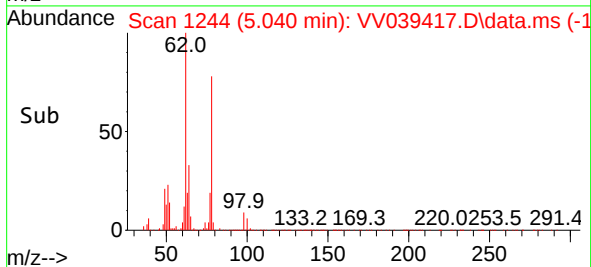
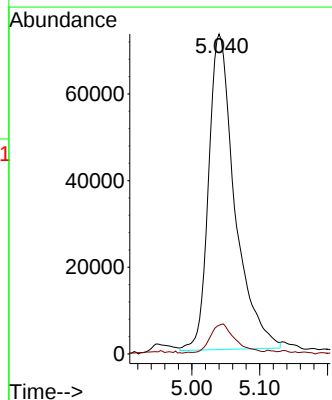
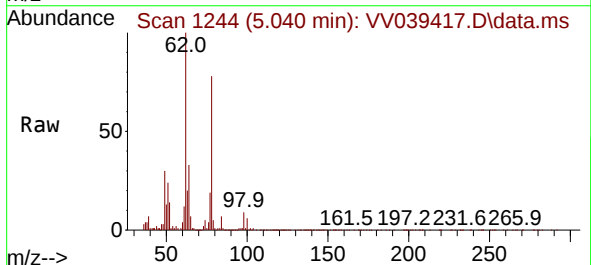
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

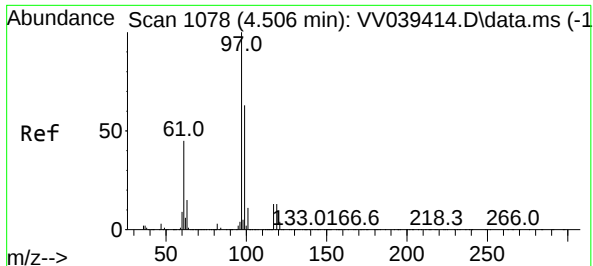
Tgt Ion: 83 Resp: 403188
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.914 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 62 Resp: 195799
Ion Ratio Lower Upper
62 100
98 8.9 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.167 ug/L

RT: 4.510 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

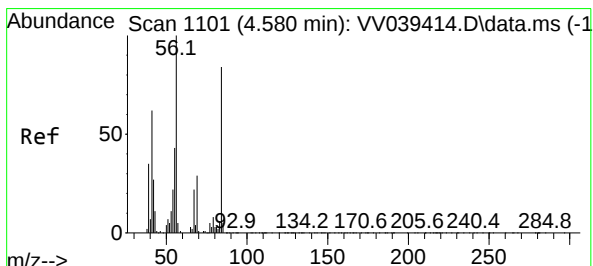
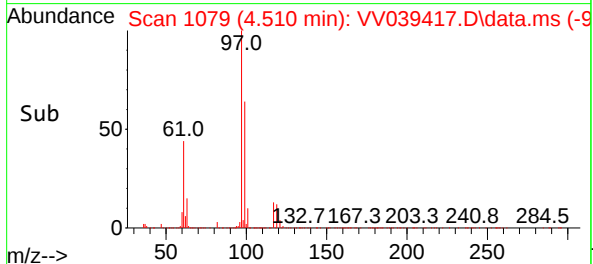
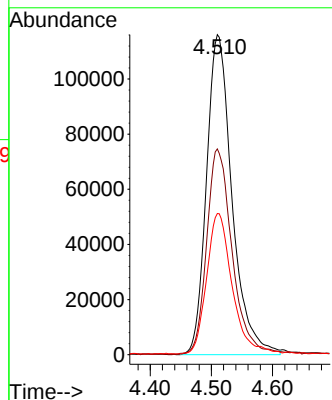
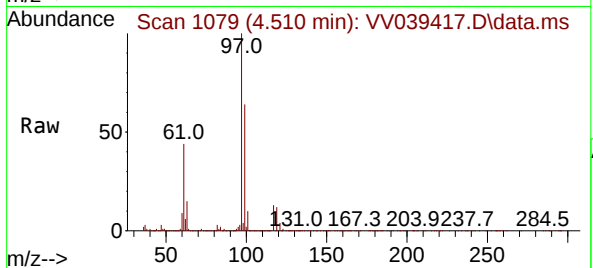
Tgt Ion: 97 Resp: 337508

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 43.7 36.6 55.0



#30

Cyclohexane

Concen: 4.842 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

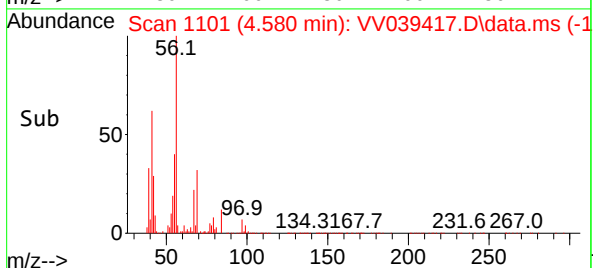
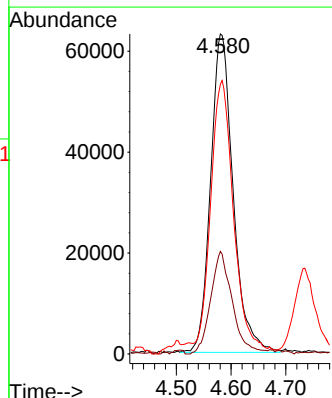
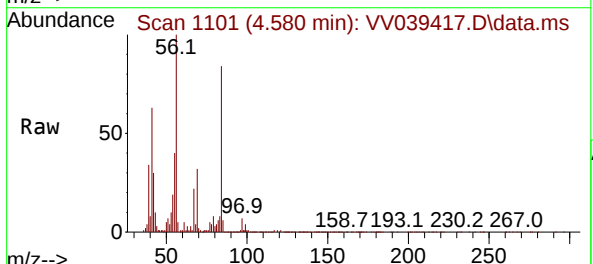
Tgt Ion: 56 Resp: 180432

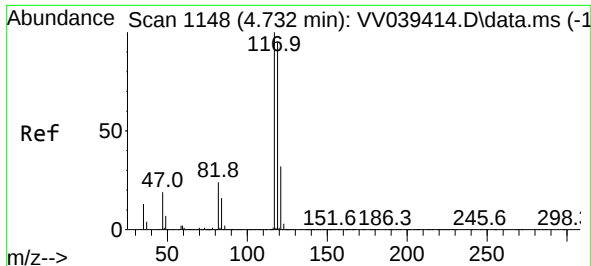
Ion Ratio Lower Upper

56 100

69 31.0 23.7 35.5

84 83.4 72.6 109.0

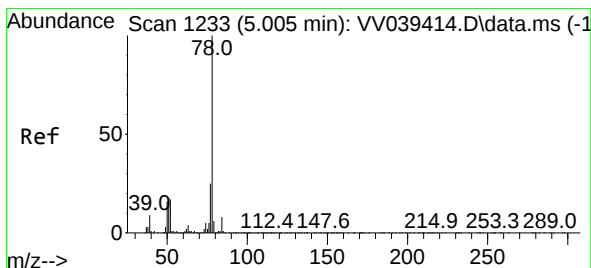
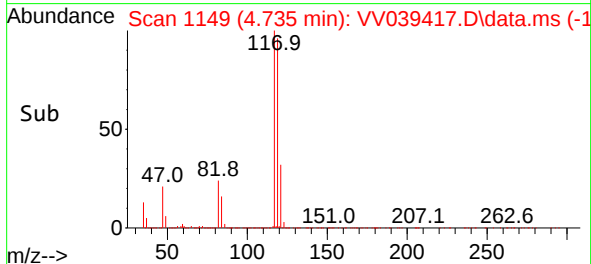
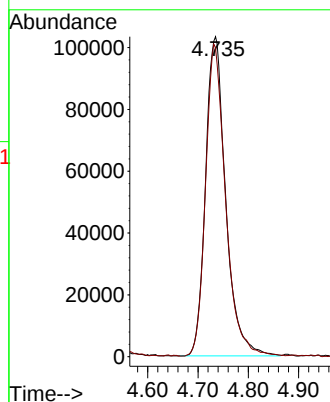
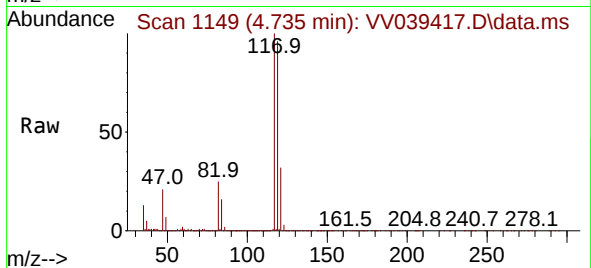




#31
Carbon tetrachloride
Concen: 5.007 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

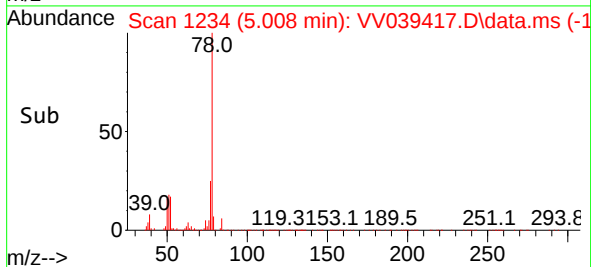
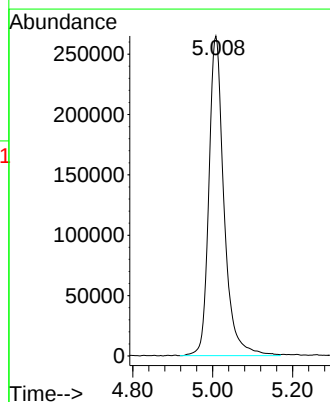
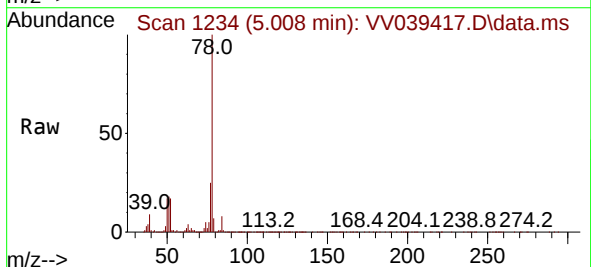
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

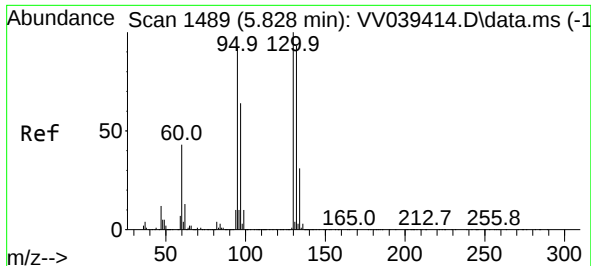
Tgt Ion:117 Resp: 288020
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.2



#33
Benzene
Concen: 5.407 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 78 Resp: 696890

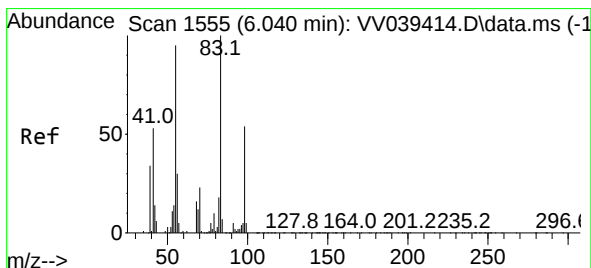
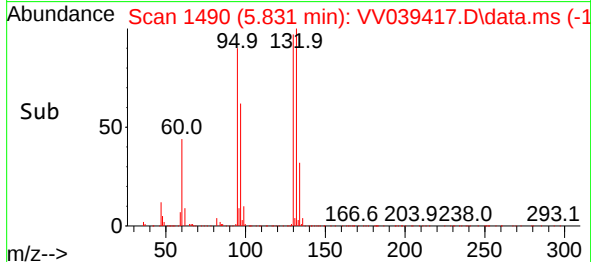
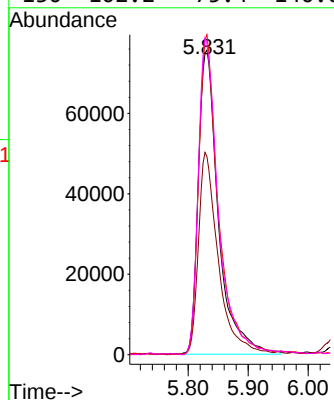
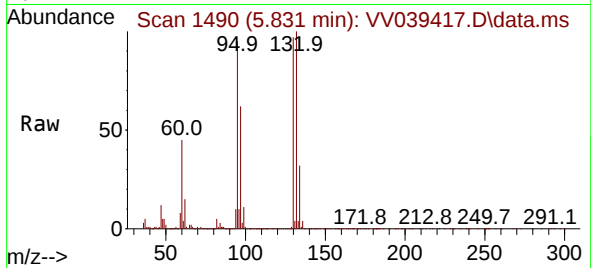




#34
Trichloroethene
Concen: 4.999 ug/L
RT: 5.831 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

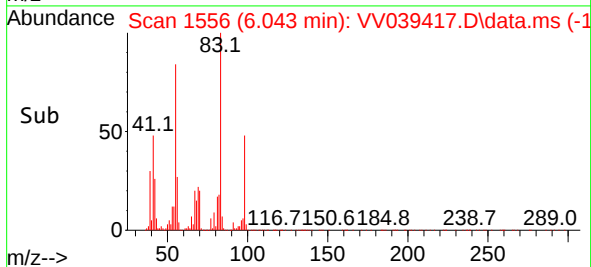
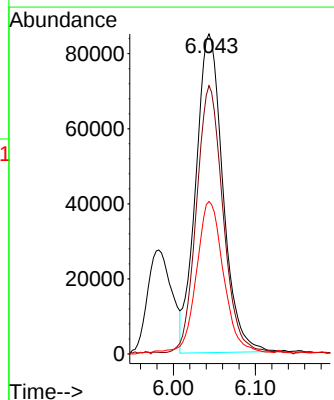
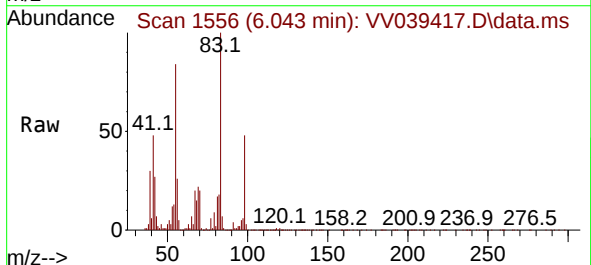
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

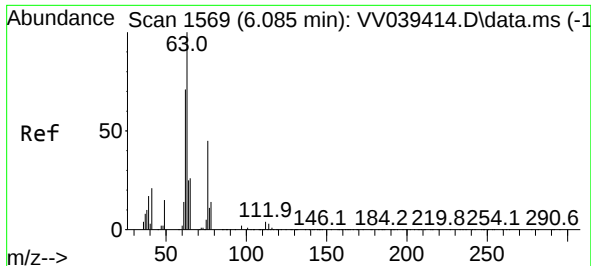
Tgt Ion: 95 Resp: 176722
Ion Ratio Lower Upper
95 100
97 65.1 42.7 79.3
132 105.1 72.0 133.6
130 102.2 75.4 140.0



#35
Methylcyclohexane
Concen: 4.909 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 83 Resp: 194764
Ion Ratio Lower Upper
83 100
55 83.7 64.0 96.0
98 48.8 37.0 55.4





#37

1,2-Dichloropropane

Concen: 5.283 ug/L

RT: 6.085 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

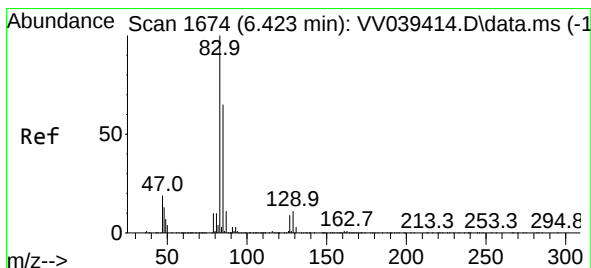
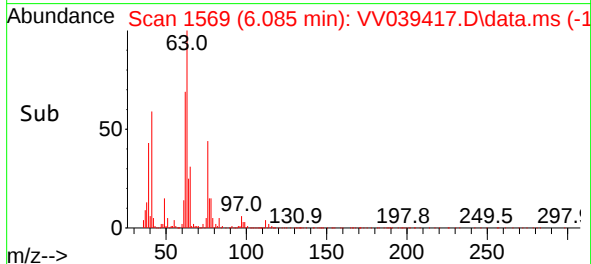
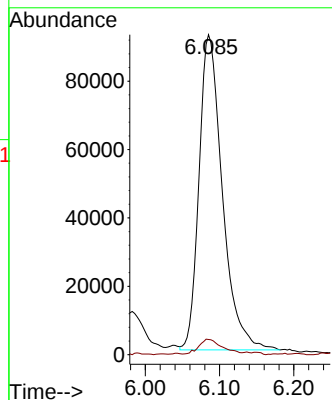
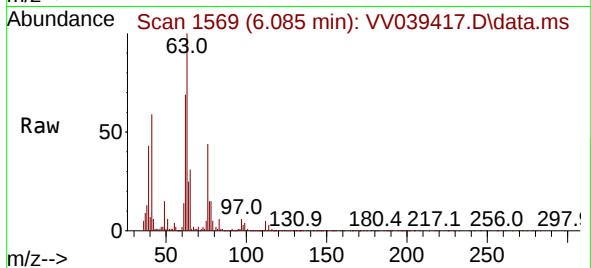
VSTD005362

Tgt Ion: 63 Resp: 201813

Ion Ratio Lower Upper

63 100

112 4.7 4.4 6.6



#38

Bromodichloromethane

Concen: 5.195 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

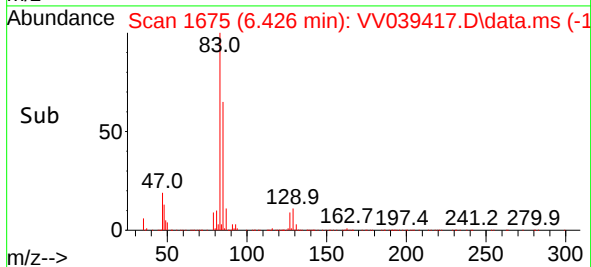
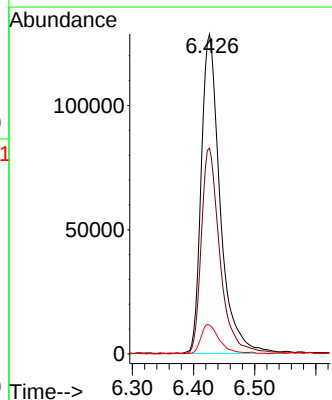
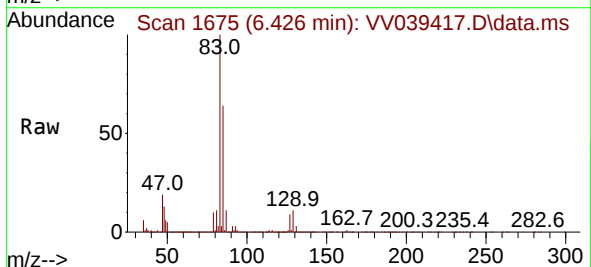
Tgt Ion: 83 Resp: 275563

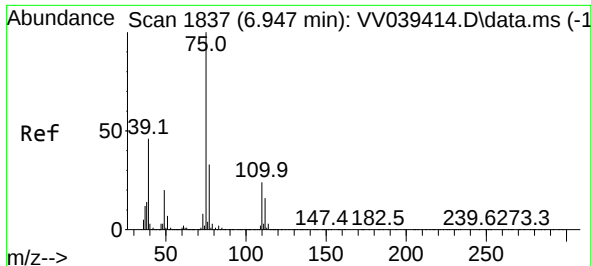
Ion Ratio Lower Upper

83 100

85 64.3 43.8 81.4

127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.085 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

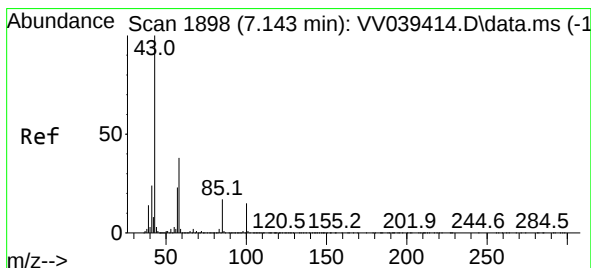
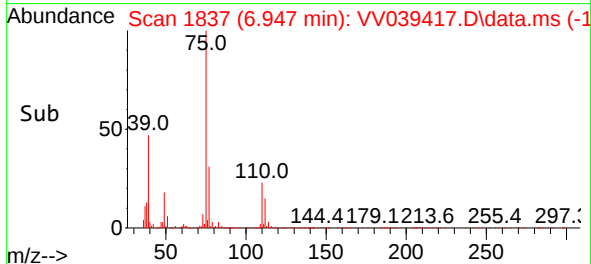
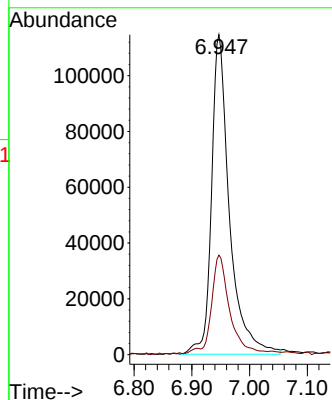
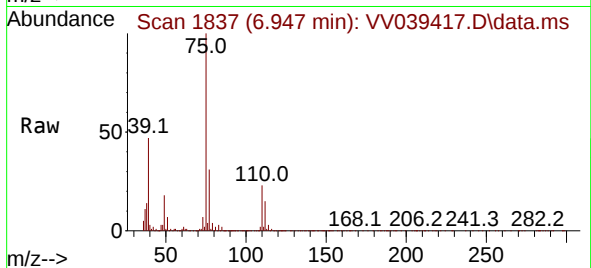
VSTD005362

Tgt Ion: 75 Resp: 246588

Ion Ratio Lower Upper

75 100

77 31.1 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 55.516 ug/L

RT: 7.143 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

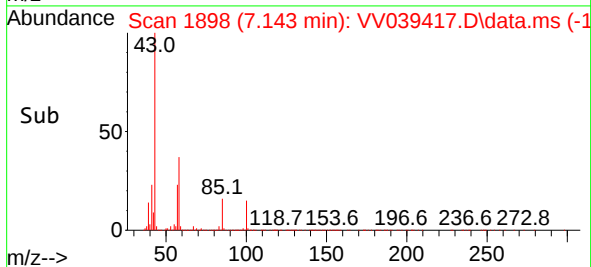
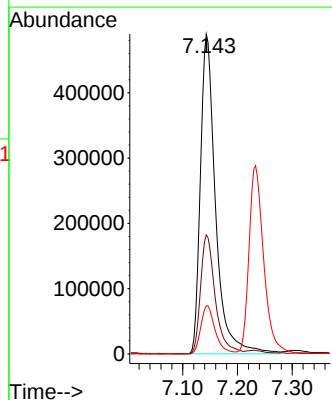
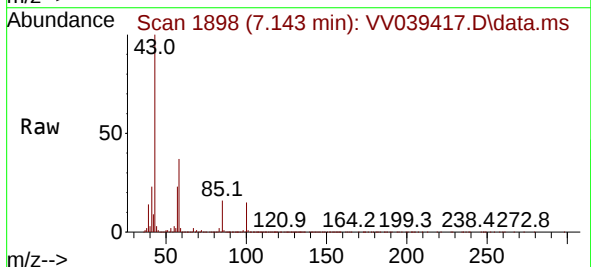
Tgt Ion: 43 Resp: 941907

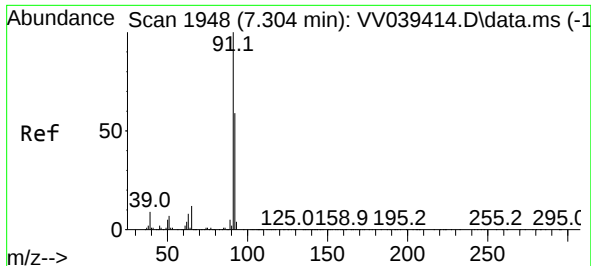
Ion Ratio Lower Upper

43 100

58 36.0 29.6 44.4

100 14.4 11.4 17.0

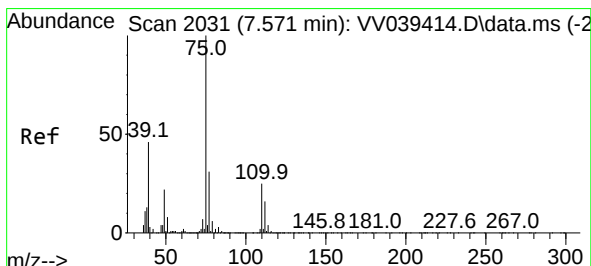
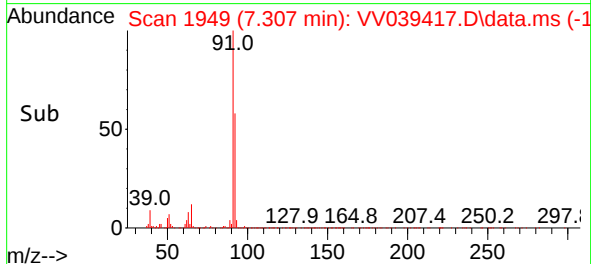
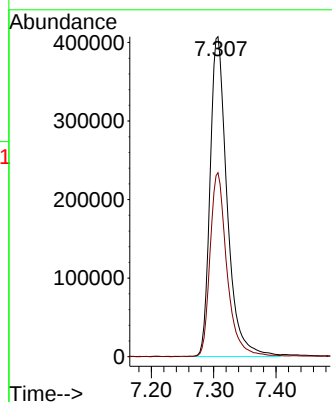
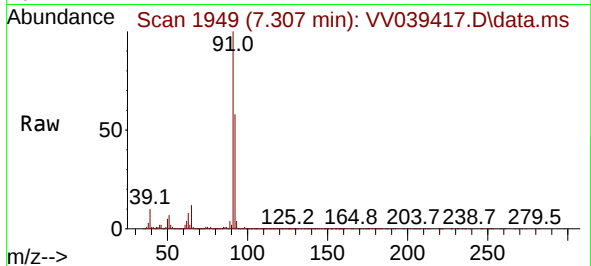




#42
Toluene
Concen: 5.611 ug/L
RT: 7.307 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

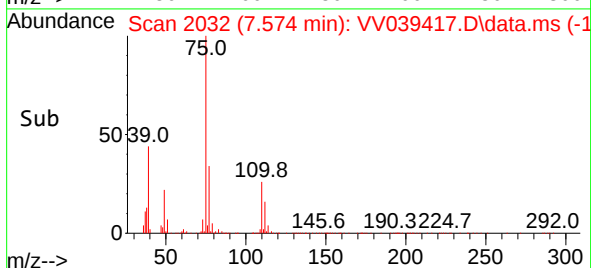
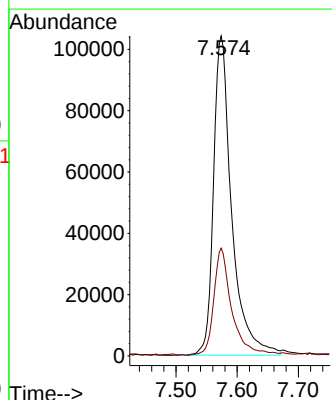
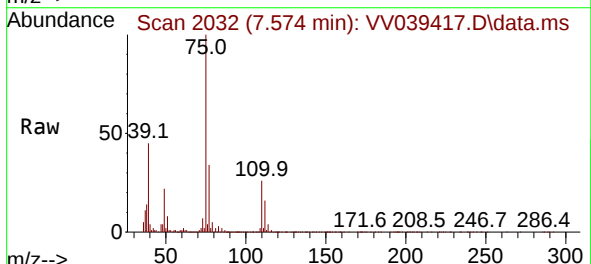
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

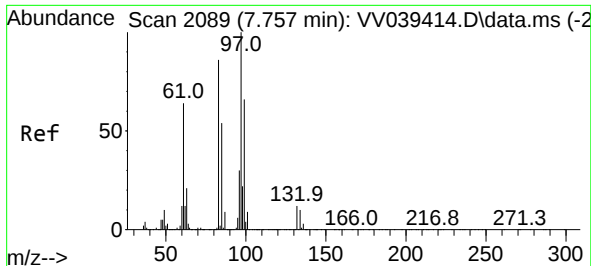
Tgt Ion: 91 Resp: 773453
Ion Ratio Lower Upper
91 100
92 57.5 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 4.988 ug/L
RT: 7.574 min Scan# 2032
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 75 Resp: 215266
Ion Ratio Lower Upper
75 100
77 33.7 22.9 42.5

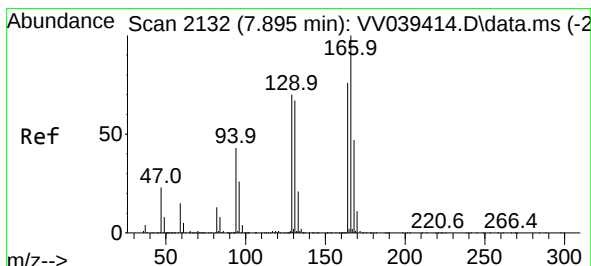
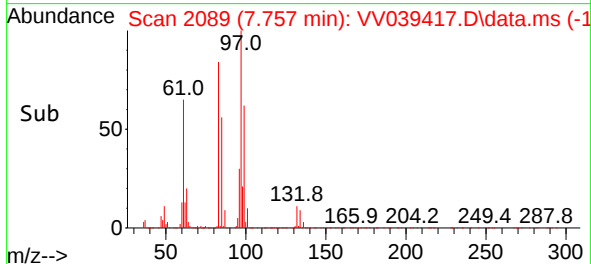
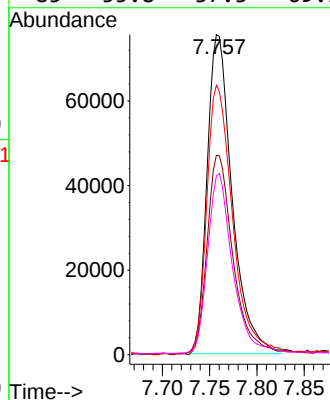
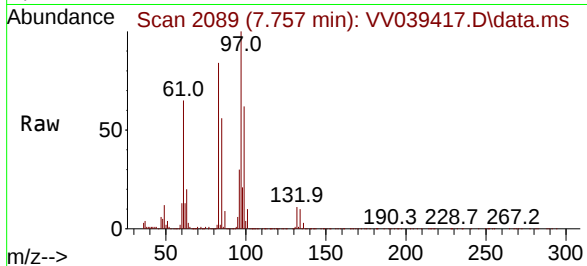




#45
1,1,2-Trichloroethane
Concen: 4.984 ug/L
RT: 7.757 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

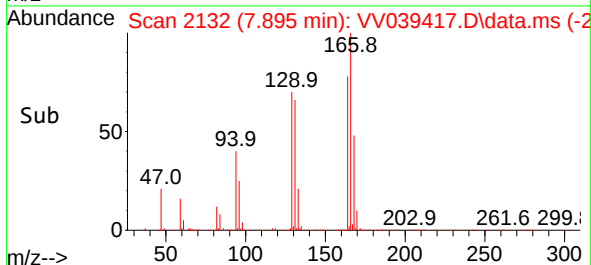
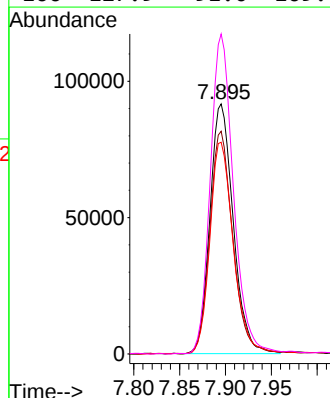
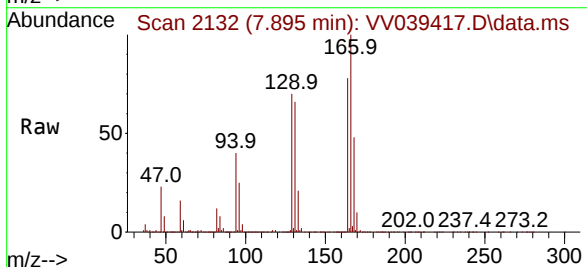
Instrument : MSVOA_V
ClientSampleId : VSTD005362

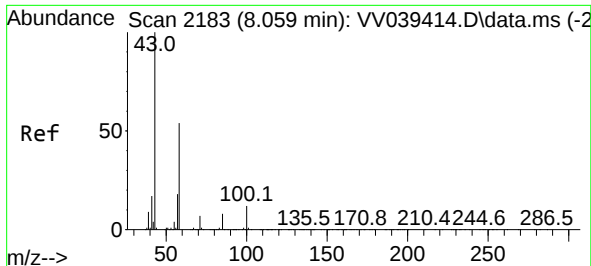
Tgt Ion: 97	Resp: 139556
Ion Ratio	Lower Upper
97 100	
99 62.3	40.8 75.8
83 84.2	59.8 111.1
85 55.8	37.3 69.3



#47
Tetrachloroethene
Concen: 5.109 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt	Ion:164	Resp:	162160
Ion	Ratio	Lower	Upper
164	100		
129	89.0	65.8	122.2
131	84.6	62.6	116.2
166	127.9	91.0	169.0



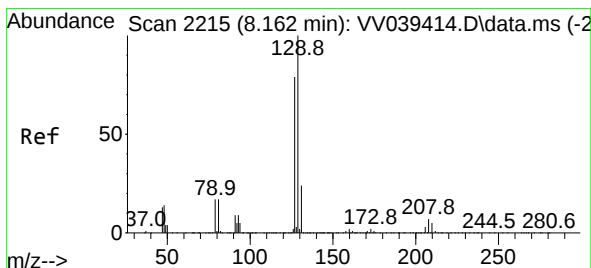
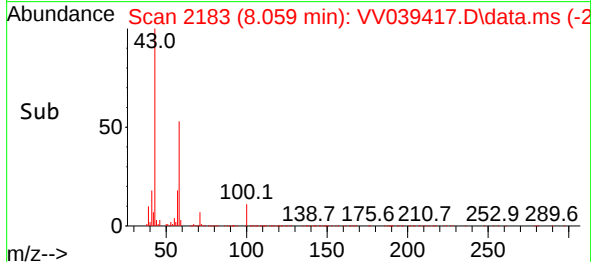
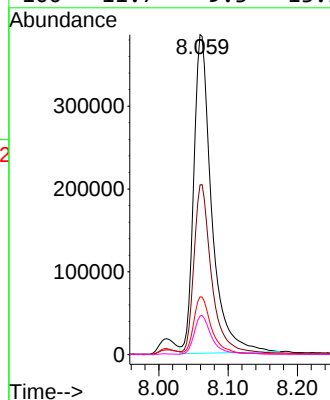
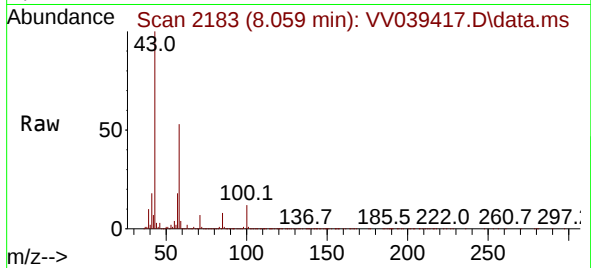


#48
2-Hexanone
Concen: 55.083 ug/L
RT: 8.059 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

Tgt Ion: 43 Resp: 694072

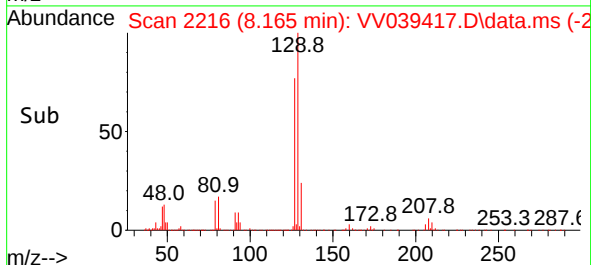
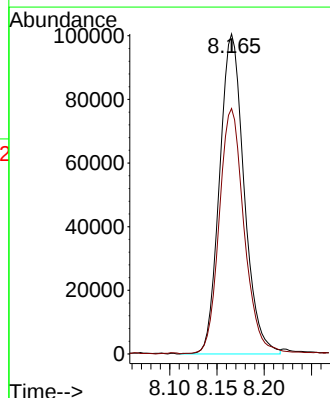
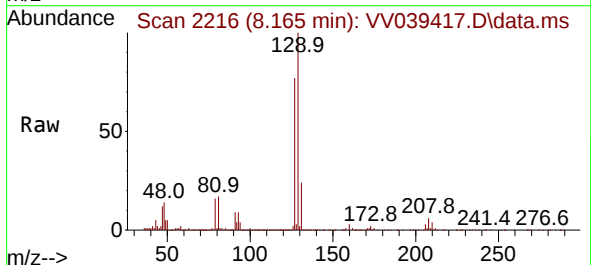
Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.4	65.2
57	18.2	15.0	22.6
100	11.7	9.3	13.9

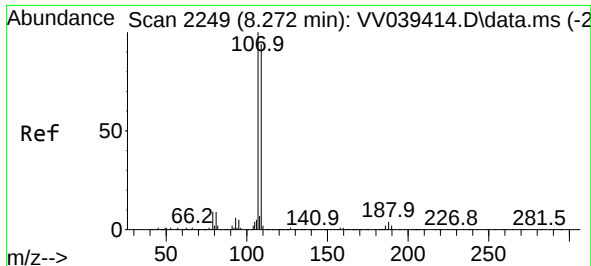


#49
Dibromochloromethane
Concen: 5.119 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 129 Resp: 181494

Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.6	101.4





#50

1,2-Dibromoethane

Concen: 5.054 ug/L

RT: 8.275 min Scan# 2117

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

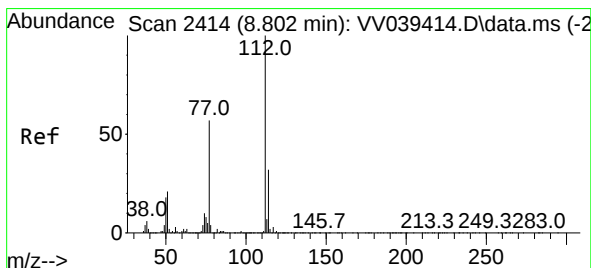
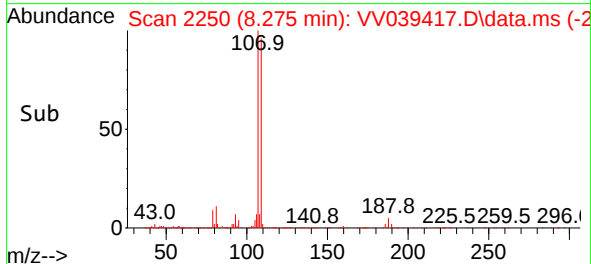
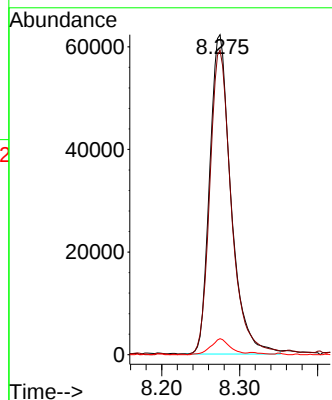
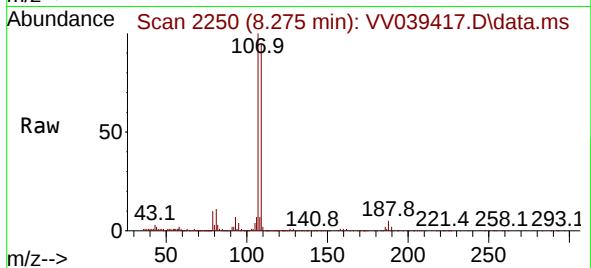
Tgt Ion:107 Resp: 118602

Ion Ratio Lower Upper

107 100

109 95.1 69.1 128.3

188 5.0 3.6 5.4



#51

Chlorobenzene

Concen: 5.201 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

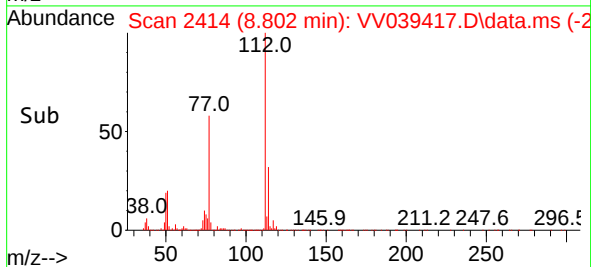
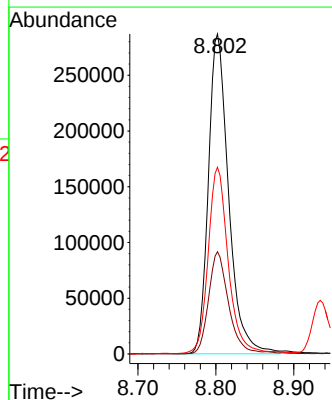
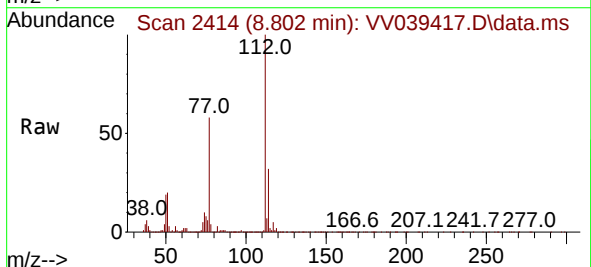
Tgt Ion:112 Resp: 517397

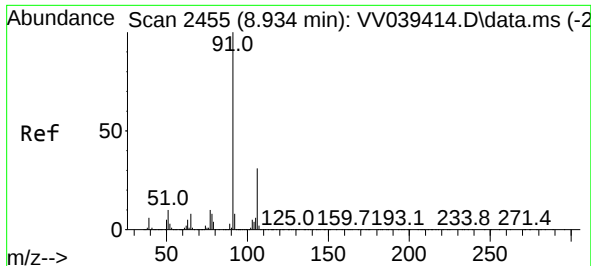
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 58.4 45.3 67.9





#52

Ethylbenzene

Concen: 5.257 ug/L

RT: 8.934 min Scan# 2455

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

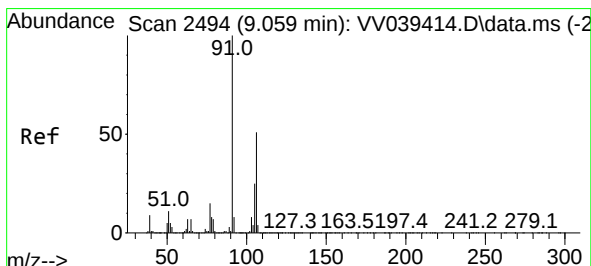
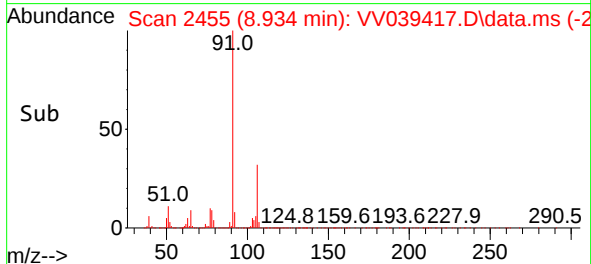
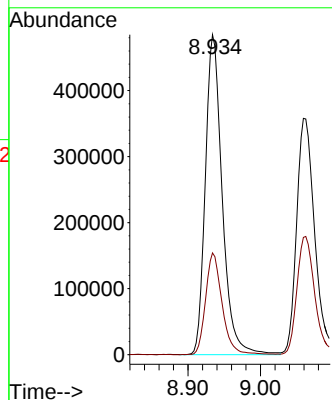
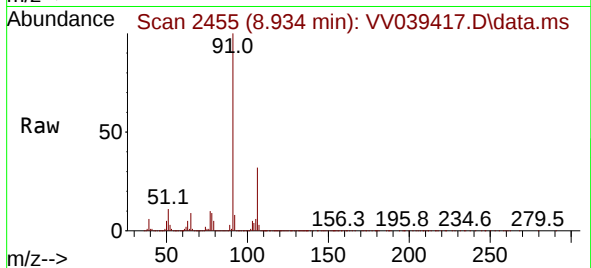
VSTD005362

Tgt Ion: 91 Resp: 784721

Ion Ratio Lower Upper

91 100

106 31.8 21.3 39.6



#53

m,p-Xylene

Concen: 5.313 ug/L

RT: 9.062 min Scan# 2495

Delta R.T. 0.003 min

Lab File: VV039417.D

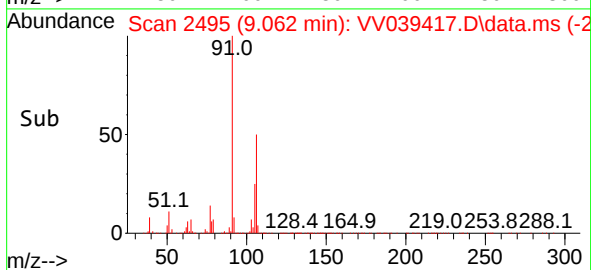
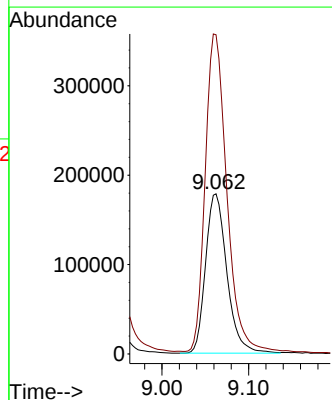
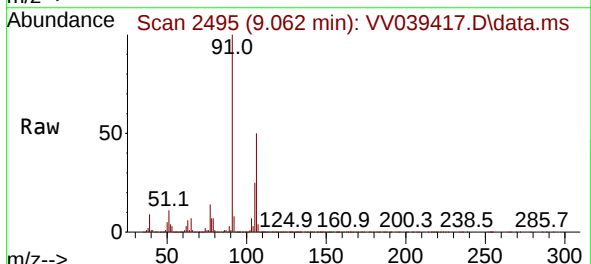
Acq: 20 Nov 2025 11:08

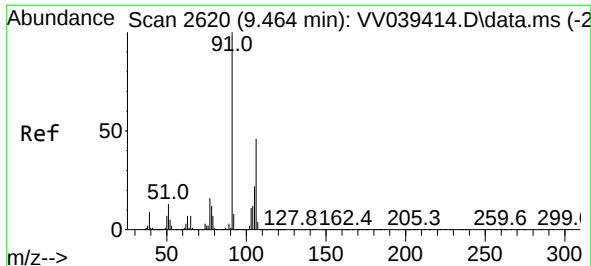
Tgt Ion:106 Resp: 304624

Ion Ratio Lower Upper

106 100

91 199.3 139.6 259.2

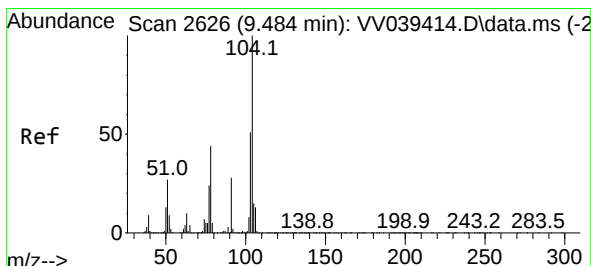
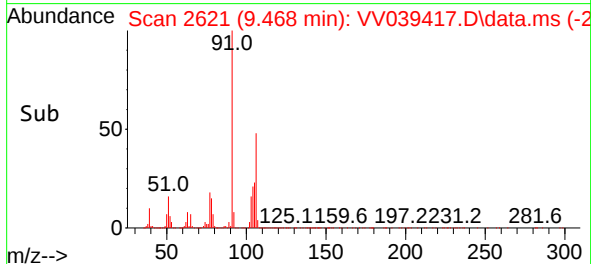
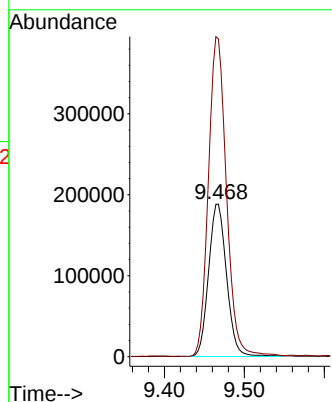
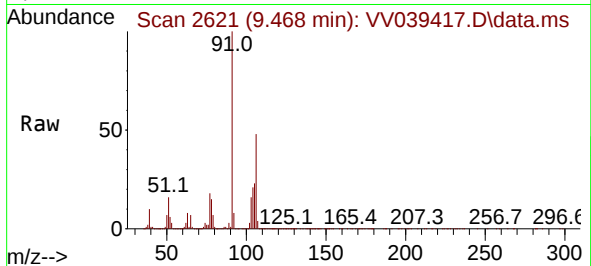




#54
o-Xylene
Concen: 5.320 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

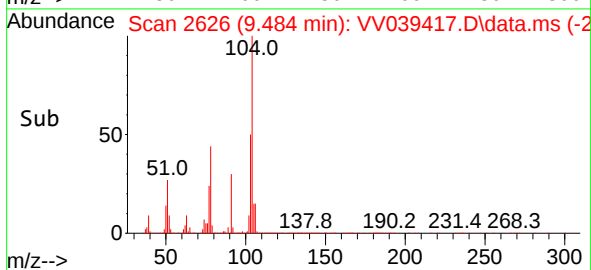
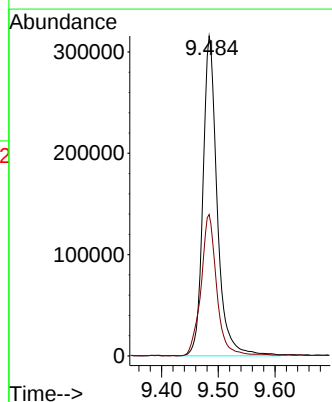
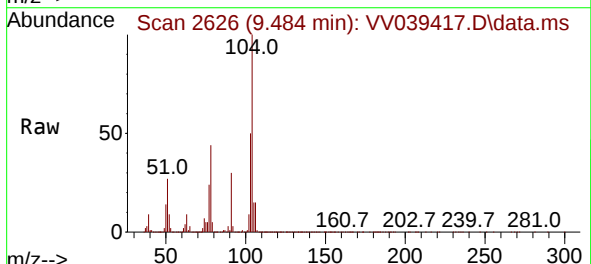
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

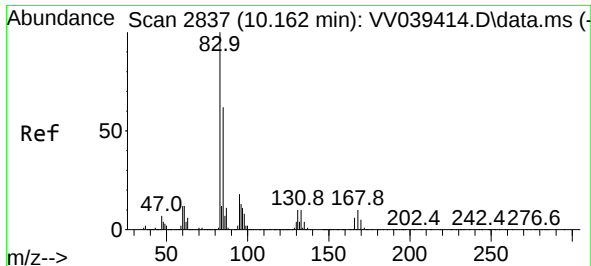
Tgt Ion:106 Resp: 294625
Ion Ratio Lower Upper
106 100
91 208.4 152.5 283.1



#55
Styrene
Concen: 5.634 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion:104 Resp: 552607
Ion Ratio Lower Upper
104 100
78 44.2 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.888 ug/L

RT: 10.165 min Scan# 2837

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

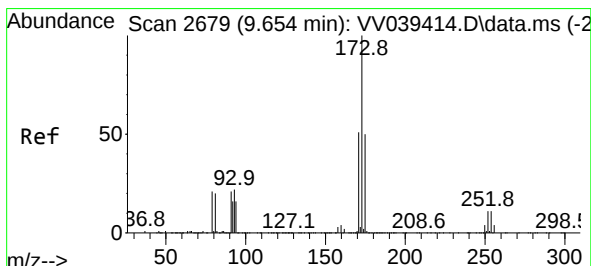
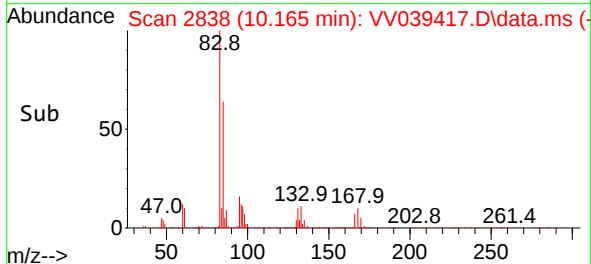
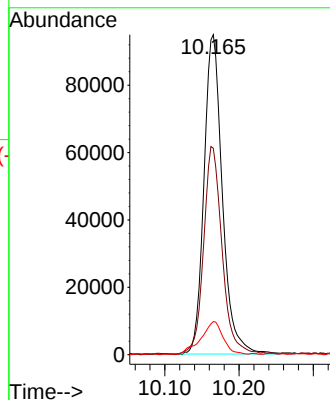
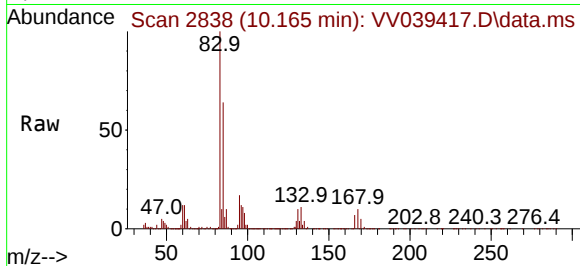
Tgt Ion: 83 Resp: 163012

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1

131 10.4 7.8 11.8



#59

Bromoform

Concen: 4.793 ug/L

RT: 9.654 min Scan# 2679

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

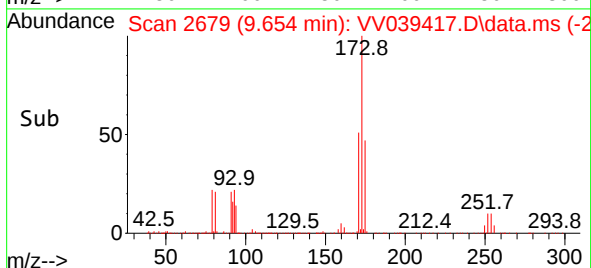
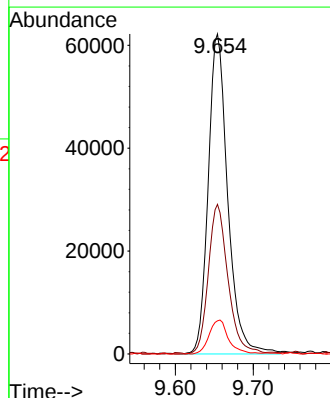
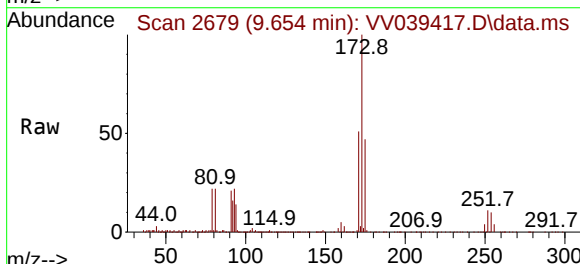
Tgt Ion: 173 Resp: 108016

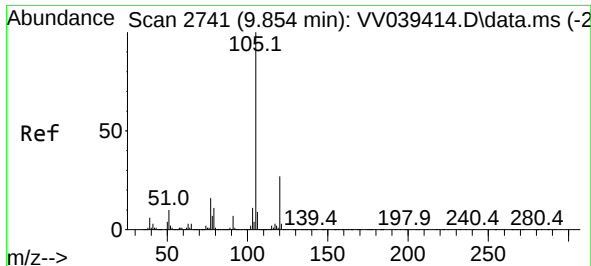
Ion Ratio Lower Upper

173 100

175 47.2 40.2 60.4

254 10.6 9.1 13.7

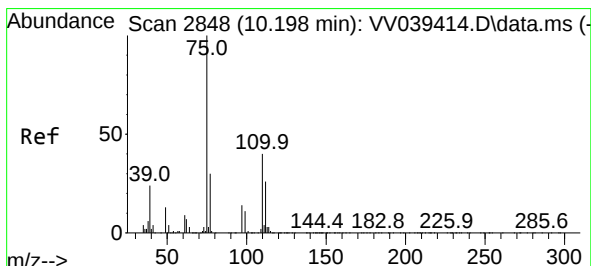
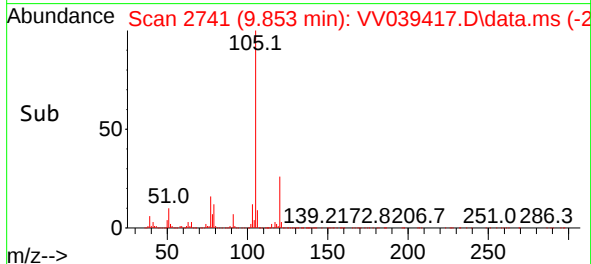
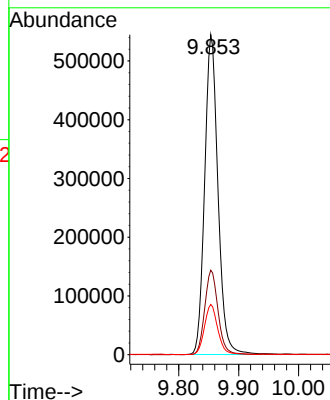
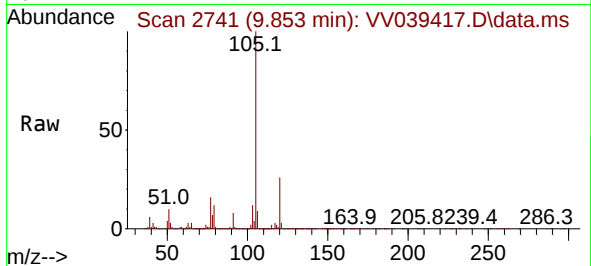




#60
Isopropylbenzene
Concen: 5.217 ug/L
RT: 9.853 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

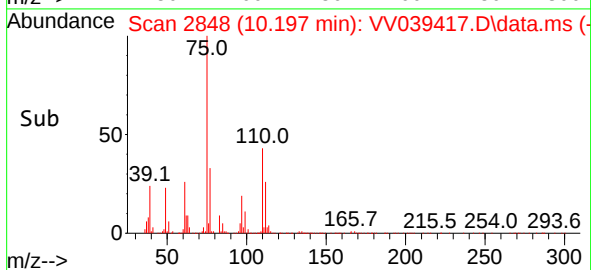
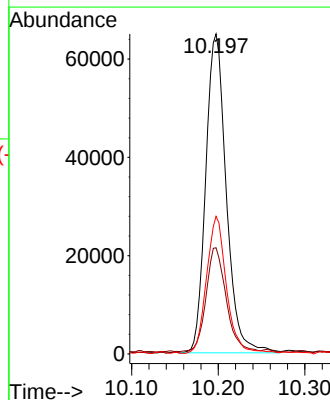
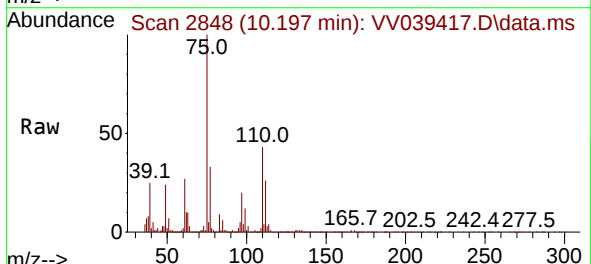
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

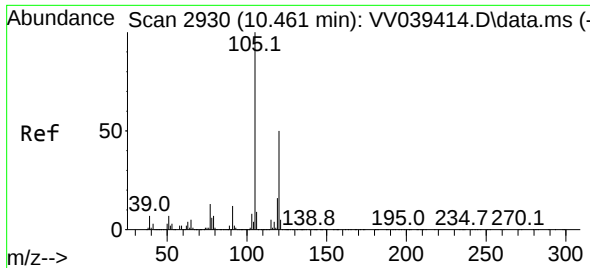
Tgt Ion:105 Resp: 842865
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.2
77 15.7 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.759 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 75 Resp: 107131
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
110 41.6 30.8 46.2

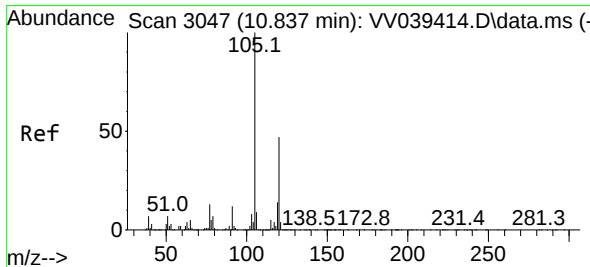
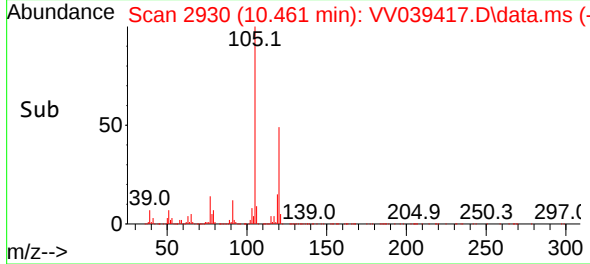
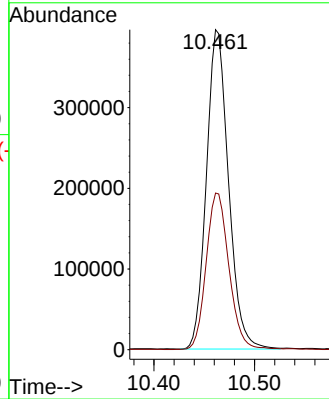
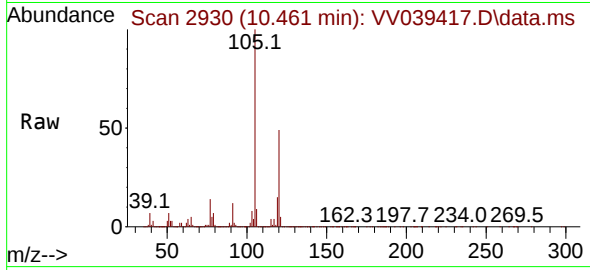




#62
 1,3,5-Trimethylbenzene
 Concen: 4.874 ug/L
 RT: 10.461 min Scan# 2930
 Delta R.T. -0.000 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

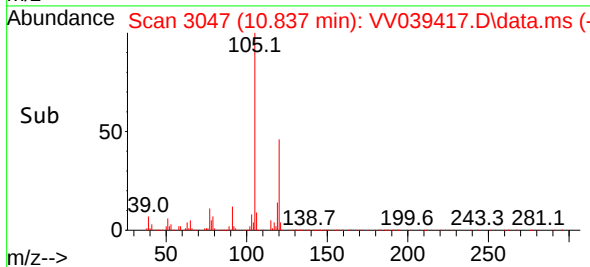
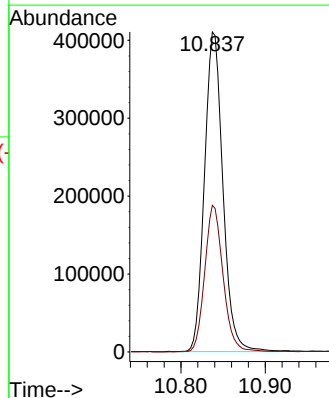
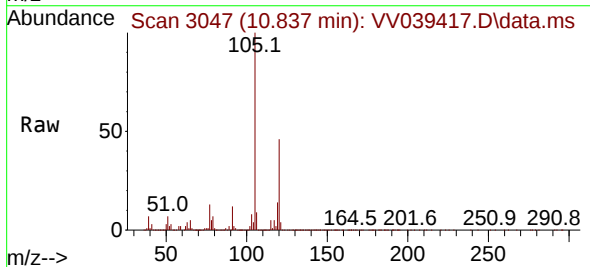
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005362

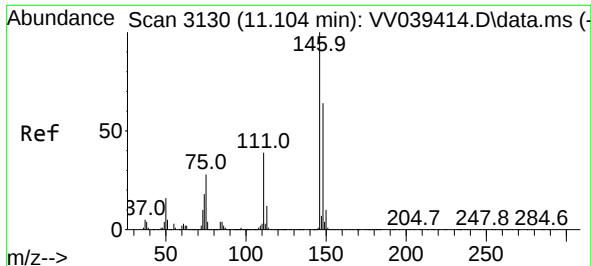
Tgt Ion:105 Resp: 604433
 Ion Ratio Lower Upper
 105 100
 120 50.6 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.080 ug/L
 RT: 10.837 min Scan# 3047
 Delta R.T. -0.000 min
 Lab File: VV039417.D
 Acq: 20 Nov 2025 11:08

Tgt Ion:105 Resp: 624642
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2

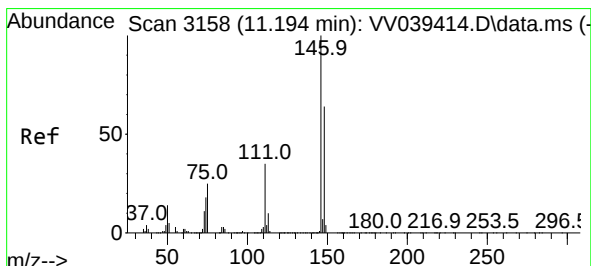
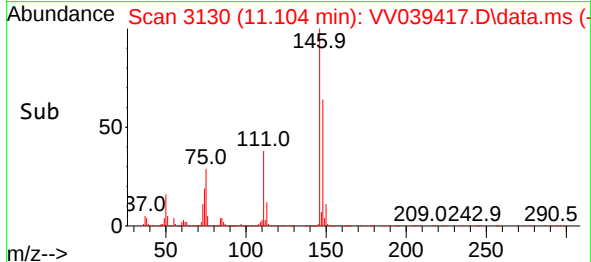
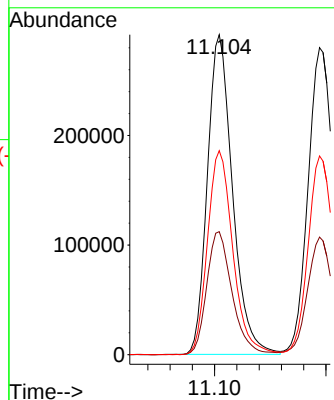
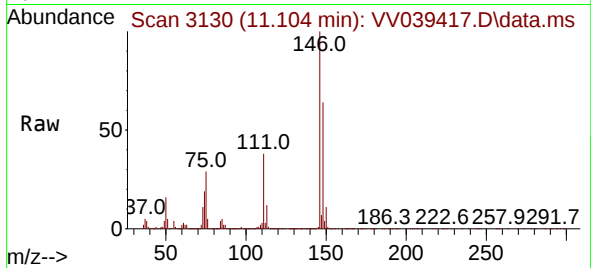




#64
1,3-Dichlorobenzene
Concen: 5.141 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

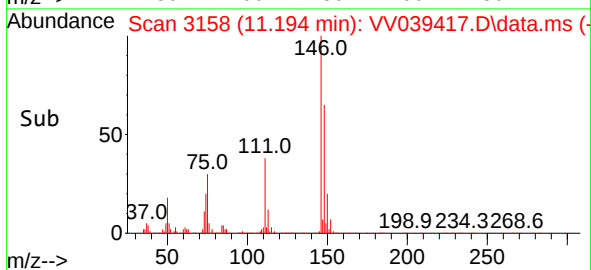
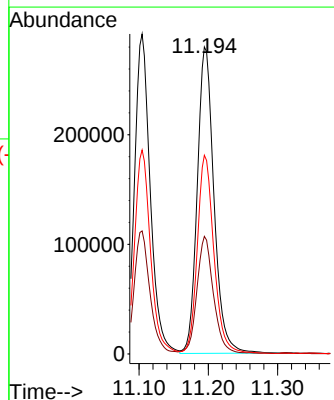
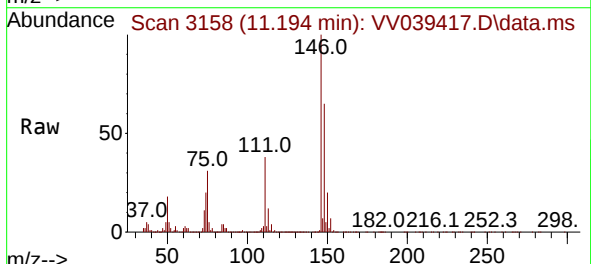
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

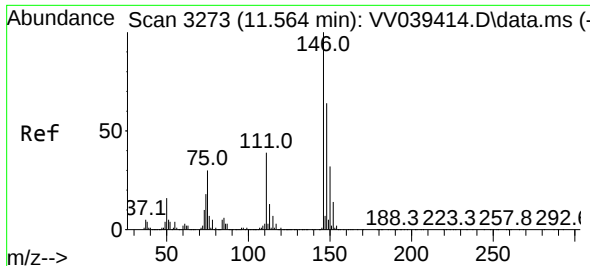
Tgt Ion:146 Resp: 456518
Ion Ratio Lower Upper
146 100
111 38.4 26.6 49.4
148 63.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.140 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion:146 Resp: 470784
Ion Ratio Lower Upper
146 100
111 38.3 24.6 45.6
148 64.7 44.9 83.3

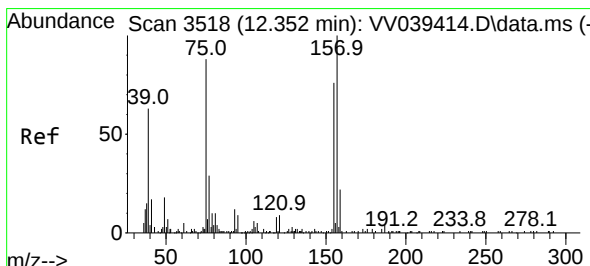
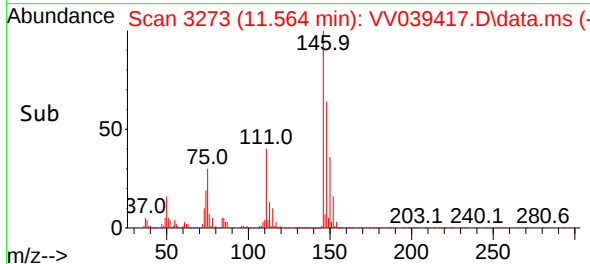
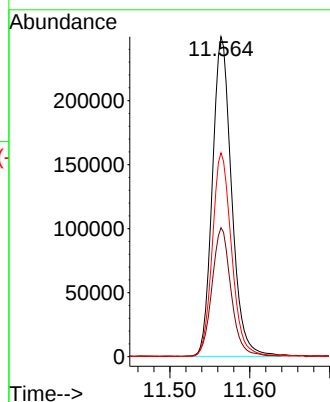
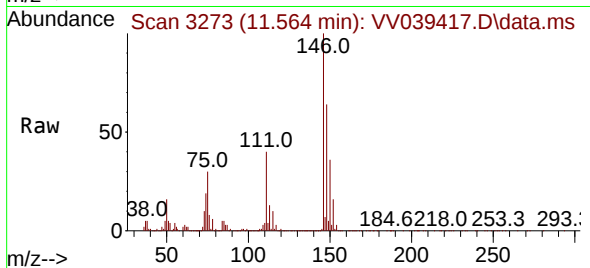




#67
1,2-Dichlorobenzene
Concen: 5.180 ug/L
RT: 11.564 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

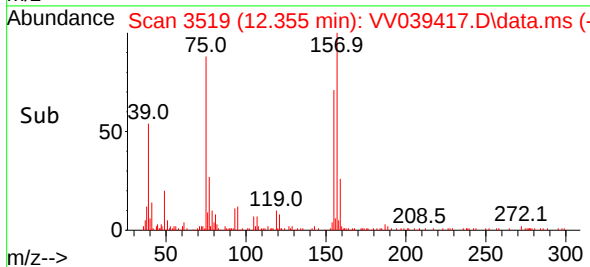
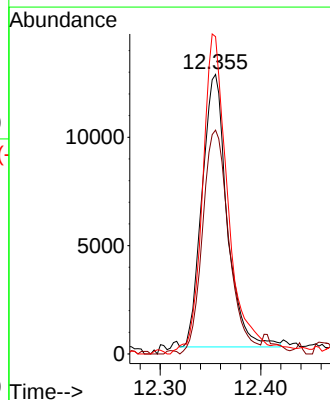
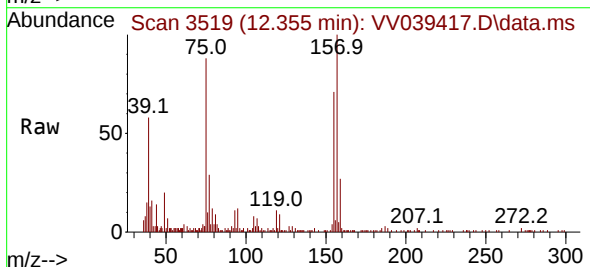
Instrument :
MSVOA_V
ClientSampleId :
VSTD005362

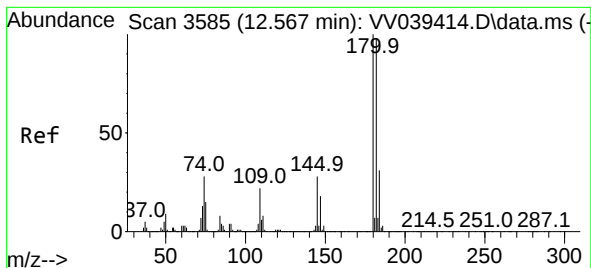
Tgt Ion:146 Resp: 417263
Ion Ratio Lower Upper
146 100
111 40.3 31.7 47.5
148 63.7 49.8 74.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.122 ug/L
RT: 12.355 min Scan# 3519
Delta R.T. 0.003 min
Lab File: VV039417.D
Acq: 20 Nov 2025 11:08

Tgt Ion: 75 Resp: 21735
Ion Ratio Lower Upper
75 100
155 80.1 69.5 104.3
157 113.5 92.0 138.0





#69

1,3,5-Trichlorobenzene

Concen: 4.904 ug/L

RT: 12.567 min Scan# 3585

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

Tgt Ion:180 Resp: 328108

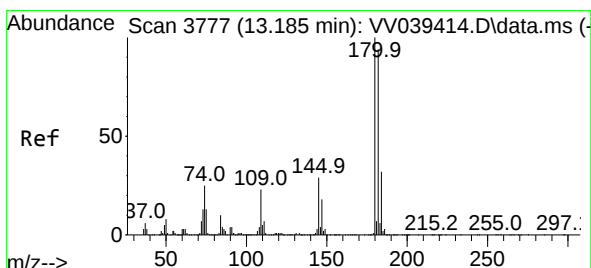
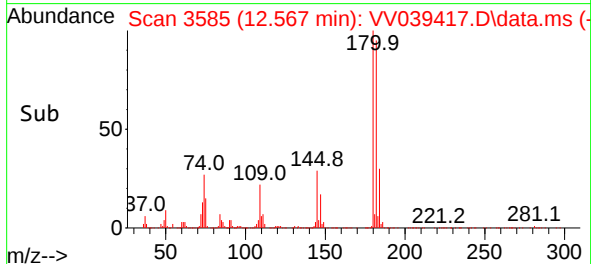
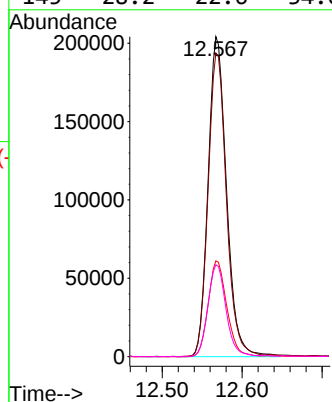
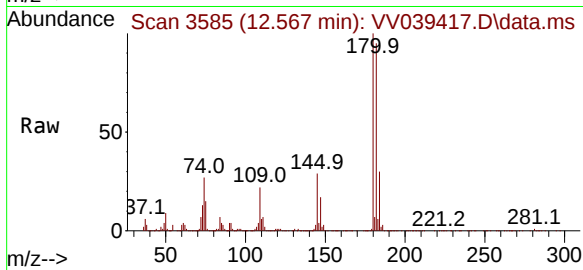
Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

184 30.2 24.3 36.5

145 28.2 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 4.725 ug/L

RT: 13.184 min Scan# 3777

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

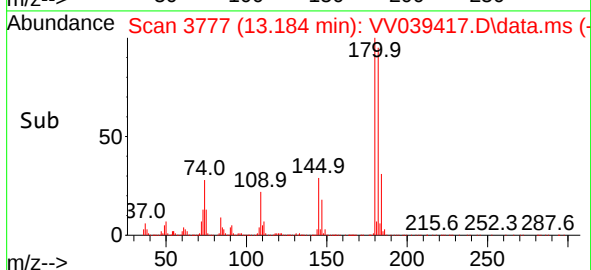
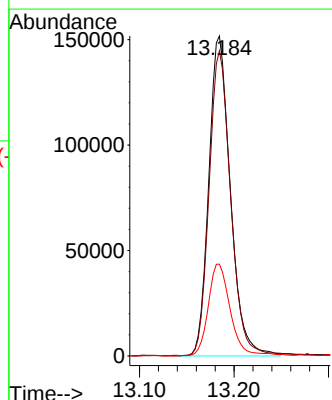
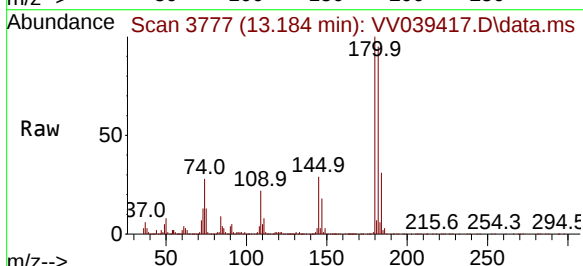
Tgt Ion:180 Resp: 240855

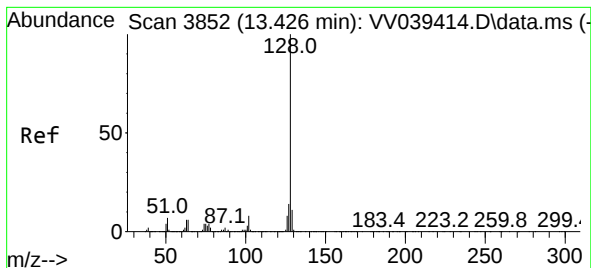
Ion Ratio Lower Upper

180 100

182 94.9 74.6 111.8

145 29.5 23.3 34.9





#71

Naphthalene

Concen: 4.528 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005362

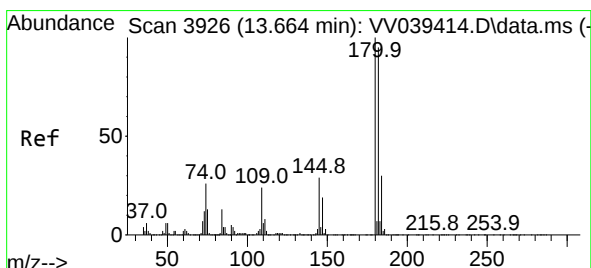
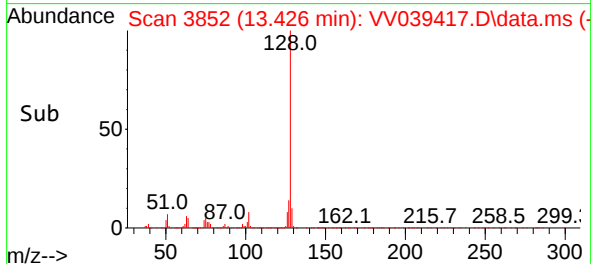
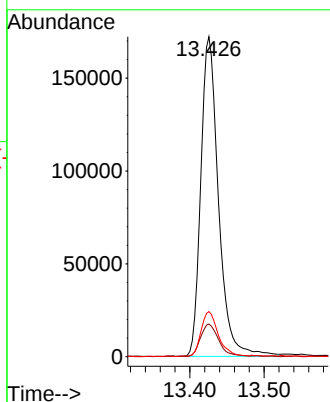
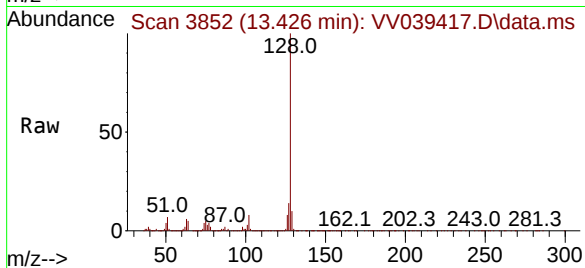
Tgt Ion:128 Resp: 284477

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 13.8 11.3 16.9



#72

1,2,3-Trichlorobenzene

Concen: 4.718 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.003 min

Lab File: VV039417.D

Acq: 20 Nov 2025 11:08

Tgt Ion:180 Resp: 214885

Ion Ratio Lower Upper

180 100

182 96.2 75.4 113.0

145 30.5 24.6 36.8

