

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111825\
 Data File : VV039402.D
 Acq On : 18 Nov 2025 12:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050332

Quant Time: Nov 19 03:47:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	1137308	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1138618	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	682998	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	513442	46.323	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.640%
7) Chloroethane-d5	1.542	69	390060	47.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.280%
11) 1,1-Dichloroethene-d2	2.069	65	219449	47.039	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.080%
21) 2-Butanone-d5	3.780	46	527002	90.049	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.050%
24) Chloroform-d	4.246	84	879907	47.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	4.934	65	535880	46.879	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.760%
32) Benzene-d6	4.953	84	1685154	49.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.240%
36) 1,2-Dichloropropane-d6	5.979	67	510841	48.195	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.380%
41) Toluene-d8	7.233	98	1585417	50.545	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
43) trans-1,3-Dichloroprop...	7.542	79	255716	47.817	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.640%
47) 2-Hexanone-d5	8.011	63	382242	94.399	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.400%
56) 1,1,2,2-Tetrachloroeth...	10.136	84	725510	46.827	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.660%
66) 1,2-Dichlorobenzene-d4	11.545	152	615085	47.944	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	396542	49.698	ug/L	99
3) Chloromethane	1.230	50	429687	49.123	ug/L	97
5) Vinyl chloride	1.294	62	486002	49.311	ug/L	100
6) Bromomethane	1.497	94	291835	53.166	ug/L	97
8) Chloroethane	1.561	64	319032	49.178	ug/L	97
9) Trichlorofluoromethane	1.725	101	779371	48.883	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	474325	48.961	ug/L	100
12) 1,1-Dichloroethene	2.079	96	403441	48.368	ug/L	98
13) Acetone	2.114	43	677718	85.538	ug/L	100
14) Carbon disulfide	2.249	76	1162539	49.105	ug/L	100
15) Methyl Acetate	2.378	43	499242	48.491	ug/L	99
16) Methylene chloride	2.455	84	469888	48.096	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	434015	49.902	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	1318452	49.658	ug/L	99
19) 1,1-Dichloroethane	3.114	63	844218	48.976	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	475963	50.816	ug/L	99
22) 2-Butanone	3.857	43	728475	92.425	ug/L	98
23) Bromochloromethane	4.146	128	277545	50.178	ug/L	99
25) Chloroform	4.272	83	912897	48.500	ug/L	100

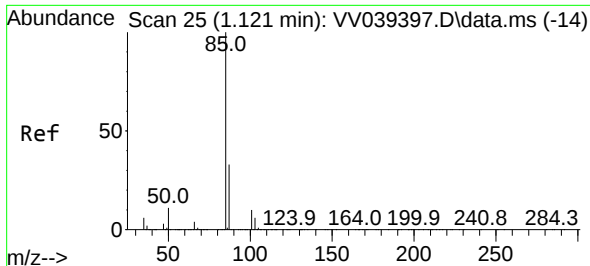
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	680773	49.073	ug/L	99
29) Cyclohexane	4.580	56	708138	52.539	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	799125	49.616	ug/L	99
31) Carbon tetrachloride	4.731	117	728271	49.123	ug/L	100
33) Benzene	5.005	78	1835535	51.630	ug/L	100
34) Trichloroethene	5.825	95	480734	50.052	ug/L	100
35) Methylcyclohexane	6.043	83	747991	52.994	ug/L	100
37) 1,2-Dichloropropane	6.082	63	496888	49.423	ug/L	99
38) Bromodichloromethane	6.423	83	678084	48.515	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	785776	50.755	ug/L	99
40) 4-Methyl-2-pentanone	7.143	43	1339700	105.990	ug/L	100
42) Toluene	7.304	91	2012959	53.427	ug/L	99
44) trans-1,3-Dichloropropene	7.567	75	767867	51.451	ug/L	99
45) 1,1,2-Trichloroethane	7.757	97	512691	49.028	ug/L	99
46) Tetrachloroethene	7.892	164	435103	49.315	ug/L	98
48) 2-Hexanone	8.059	43	1090899	103.309	ug/L	98
49) Dibromochloromethane	8.162	129	582747	48.782	ug/L	99
50) 1,2-Dibromoethane	8.268	107	539136	47.859	ug/L	99
51) Chlorobenzene	8.802	112	1330093	49.249	ug/L	99
52) Ethylbenzene	8.934	91	2183836	53.323	ug/L	100
53) m,p-Xylene	9.059	106	847470	54.062	ug/L	99
54) o-Xylene	9.464	106	805550	53.776	ug/L	100
55) Styrene	9.480	104	1475354	56.003	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.162	83	812774	48.373	ug/L	97
59) Bromoform	9.651	173	476115	45.548	ug/L	99
60) Isopropylbenzene	9.853	105	2188937	52.654	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	621656	46.679	ug/L	99
62) 1,3,5-Trimethylbenzene	10.461	105	1728173	53.230	ug/L	100
63) 1,2,4-Trimethylbenzene	10.837	105	1730857	54.220	ug/L	100
64) 1,3-Dichlorobenzene	11.101	146	1128134	49.846	ug/L	100
65) 1,4-Dichlorobenzene	11.194	146	1178476	48.331	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	1107142	48.982	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	168524	45.073	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	792485	49.158	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	685261	48.782	ug/L	100
71) Naphthalene	13.422	128	2017000	50.996	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	749403	51.492	ug/L	99

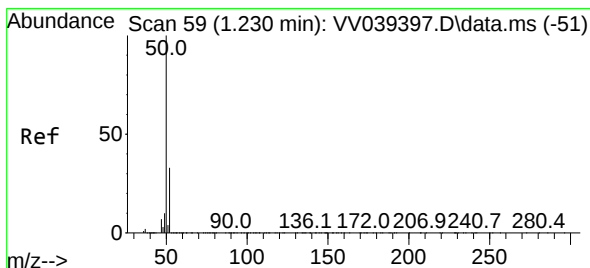
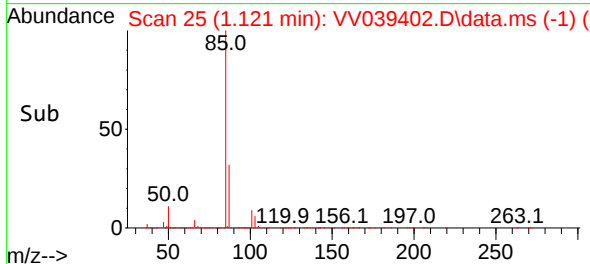
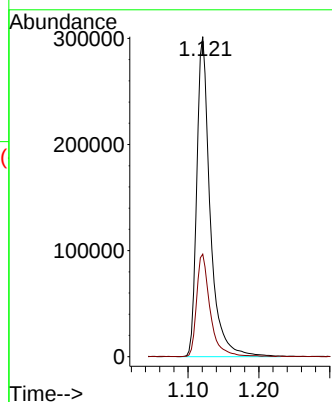
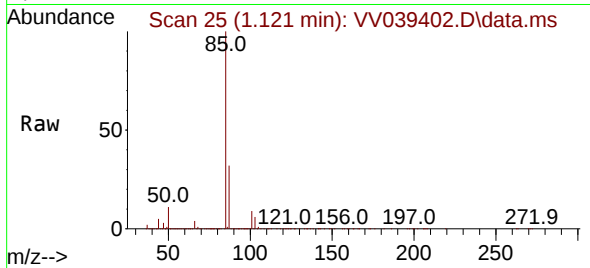
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 49.698 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

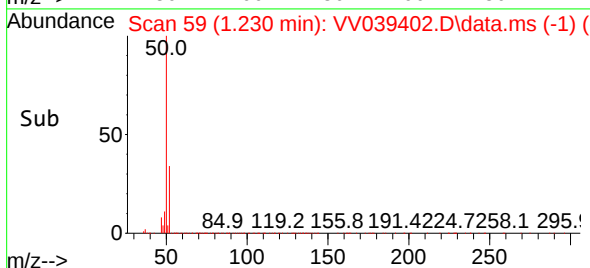
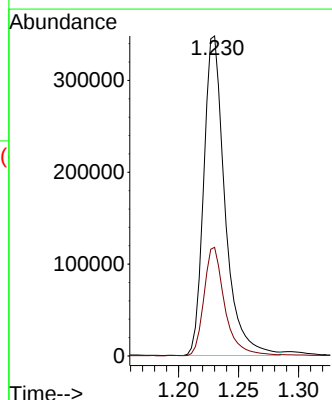
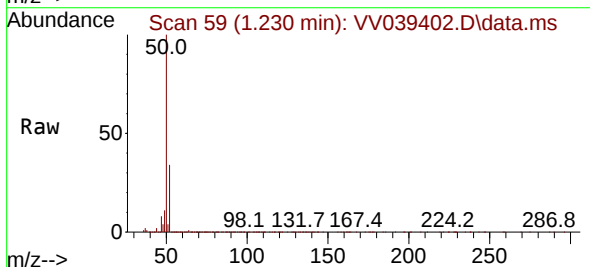
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050332

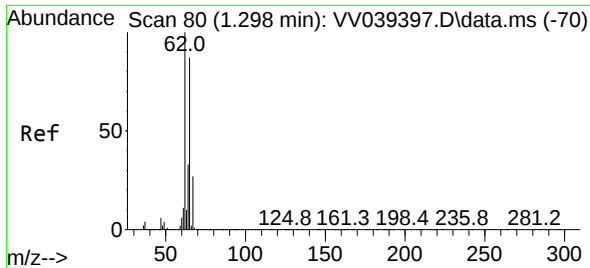
Tgt Ion: 85 Resp: 396542
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.1 39.1



#3
 Chloromethane
 Concen: 49.123 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

Tgt Ion: 50 Resp: 429687
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.7 42.3

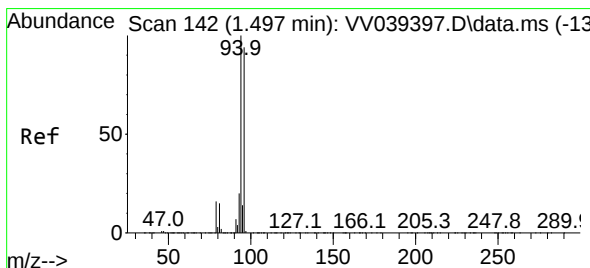
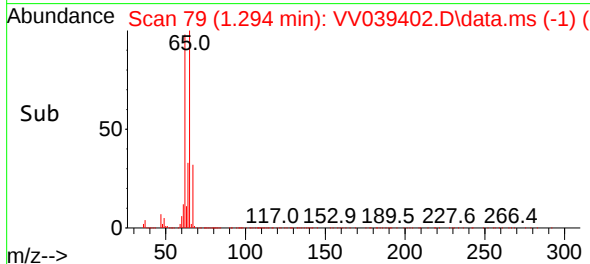
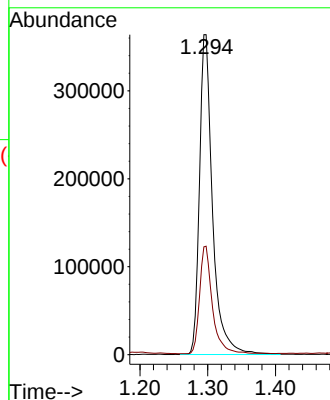
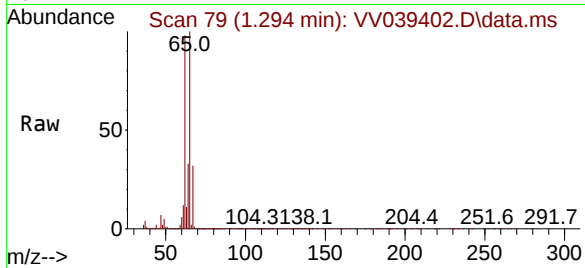




#5
 Vinyl chloride
 Concen: 49.311 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.003 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

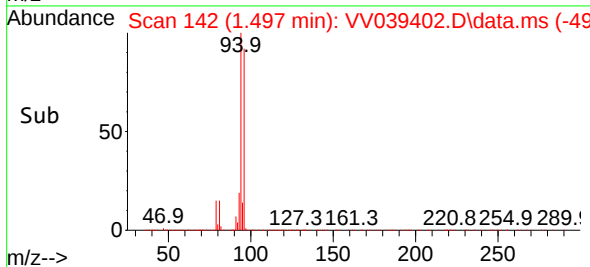
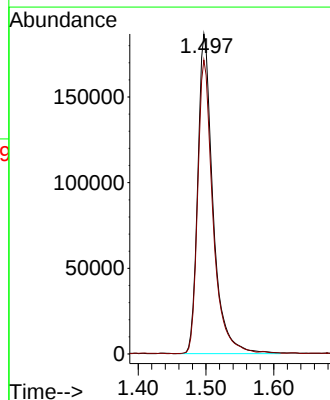
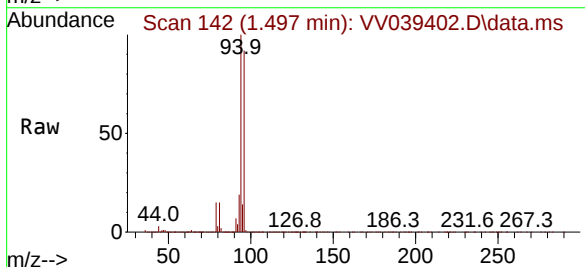
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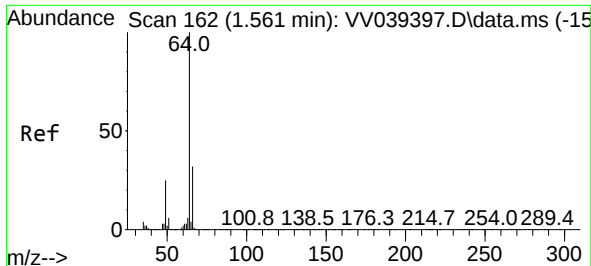
Tgt Ion: 62 Resp: 486002
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.7 44.1



#6
 Bromomethane
 Concen: 53.166 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

Tgt Ion: 94 Resp: 291835
 Ion Ratio Lower Upper
 94 100
 96 91.8 66.6 123.8

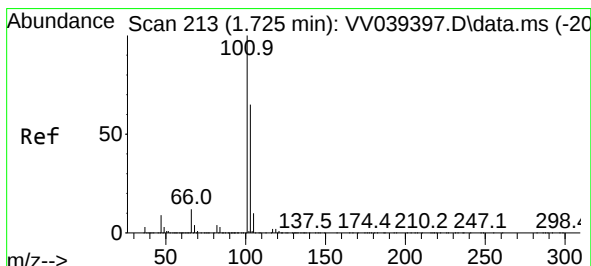
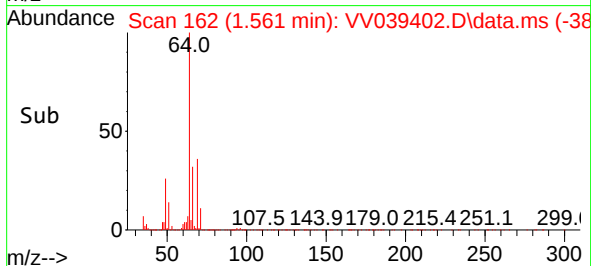
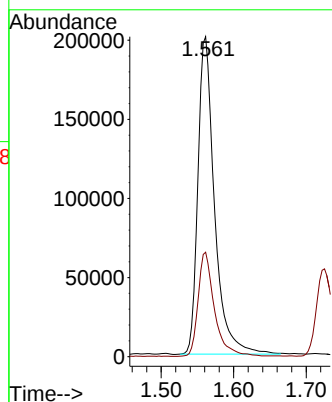
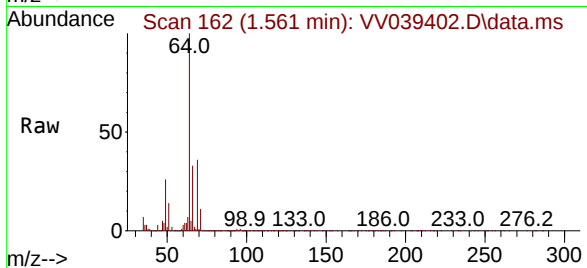




#8
Chloroethane
Concen: 49.178 ug/L
RT: 1.561 min Scan# 162
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

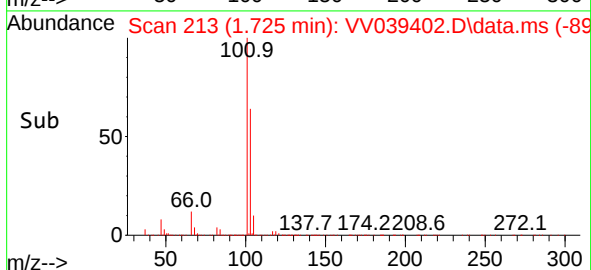
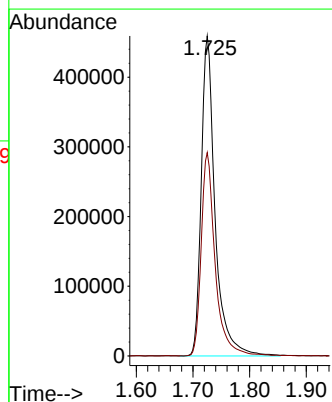
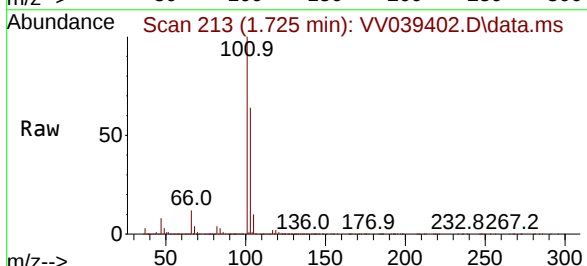
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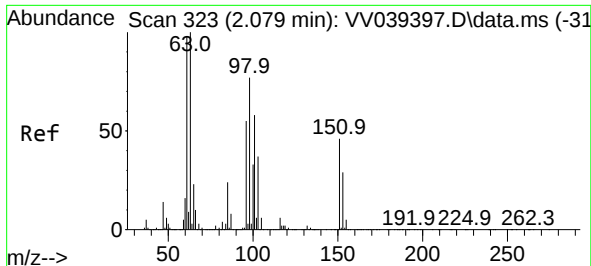
Tgt Ion: 64 Resp: 319032
Ion Ratio Lower Upper
64 100
66 32.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 48.883 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 101 Resp: 779371
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.6

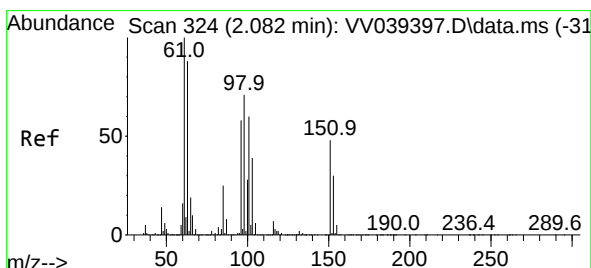
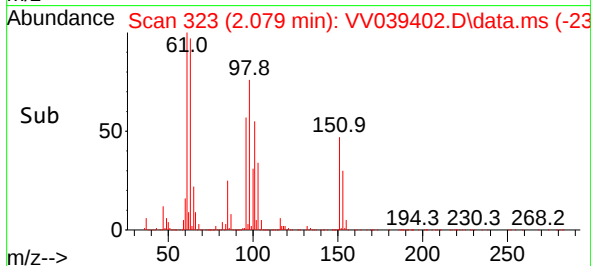
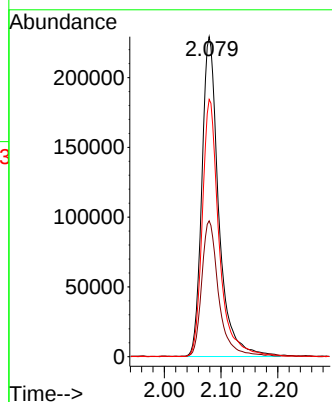
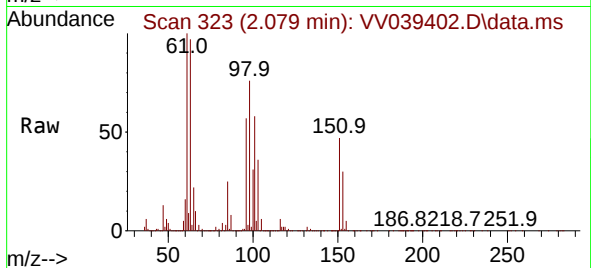




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.961 ug/L
 RT: 2.079 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

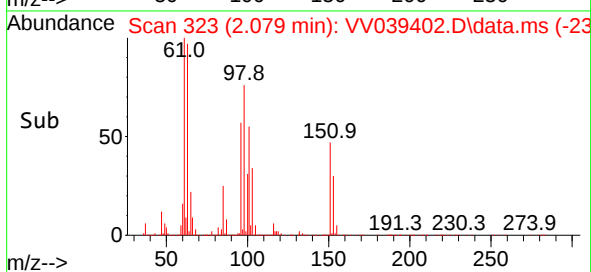
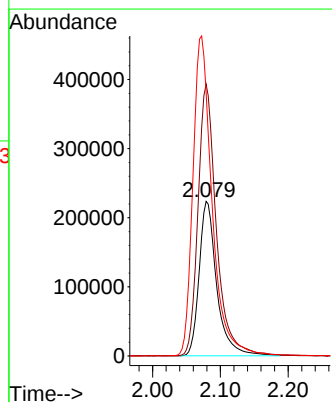
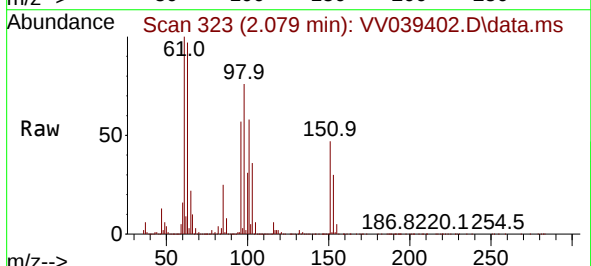
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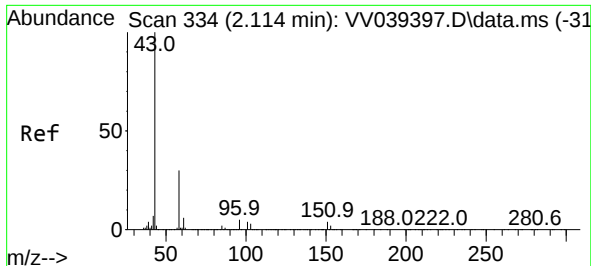
Tgt Ion:101 Resp: 474325
 Ion Ratio Lower Upper
 101 100
 85 42.4 33.7 50.5
 151 79.6 63.6 95.4



#12
 1,1-Dichloroethene
 Concen: 48.368 ug/L
 RT: 2.079 min Scan# 323
 Delta R.T. -0.003 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

Tgt Ion: 96 Resp: 403441
 Ion Ratio Lower Upper
 96 100
 61 175.8 124.3 230.8
 63 170.8 121.8 226.2





#13

Acetone

Concen: 85.538 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

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MSVOA_V

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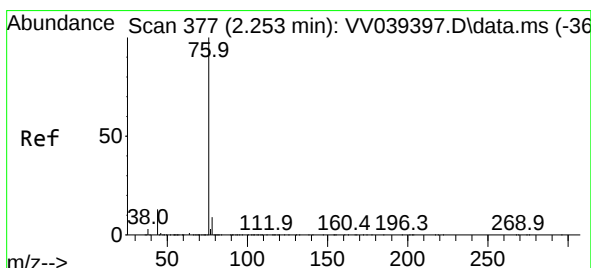
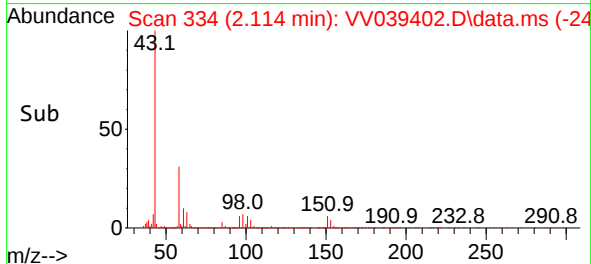
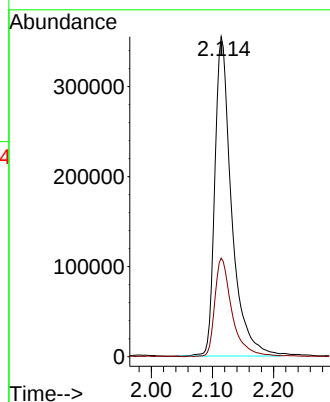
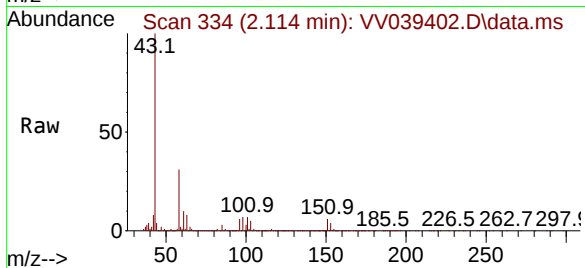
VSTD050332

Tgt Ion: 43 Resp: 677718

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.2



#14

Carbon disulfide

Concen: 49.105 ug/L

RT: 2.249 min Scan# 376

Delta R.T. -0.003 min

Lab File: VV039402.D

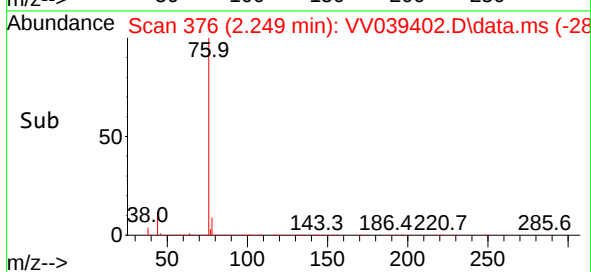
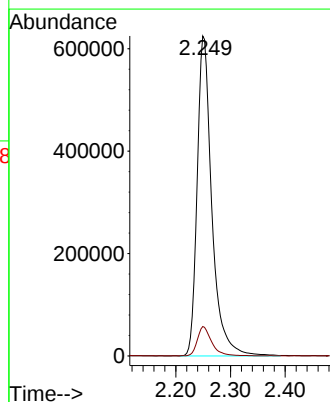
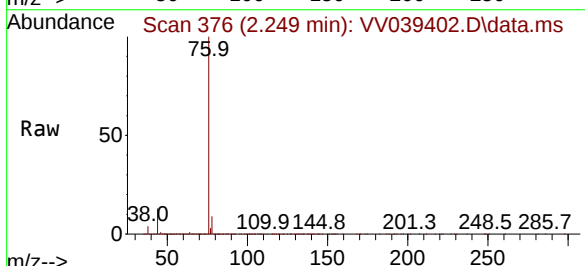
Acq: 18 Nov 2025 12:17

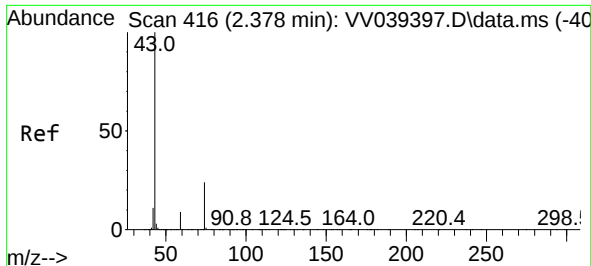
Tgt Ion: 76 Resp: 1162539

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

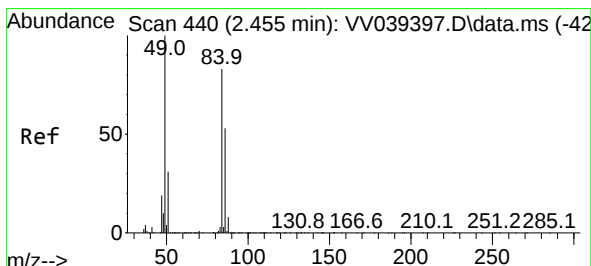
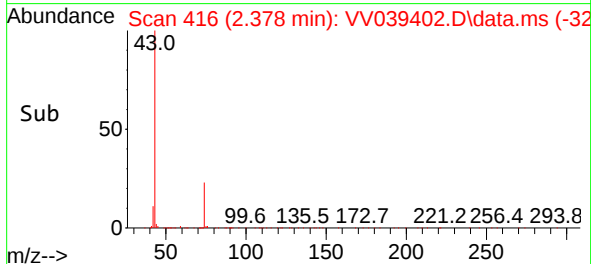
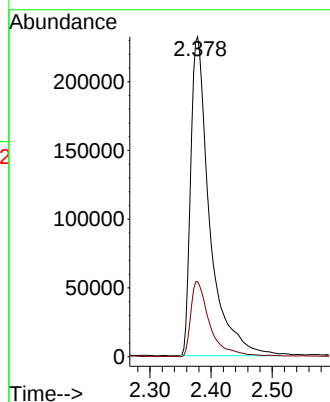
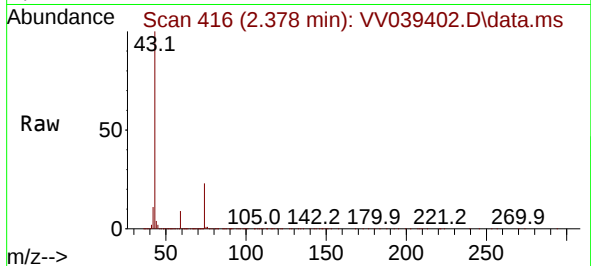




#15
Methyl Acetate
Concen: 48.491 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

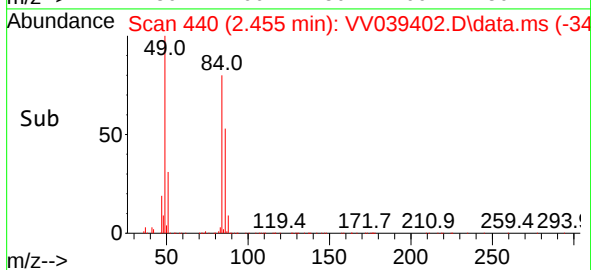
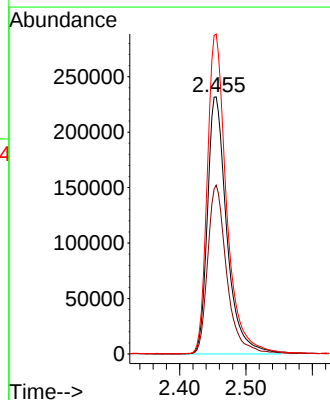
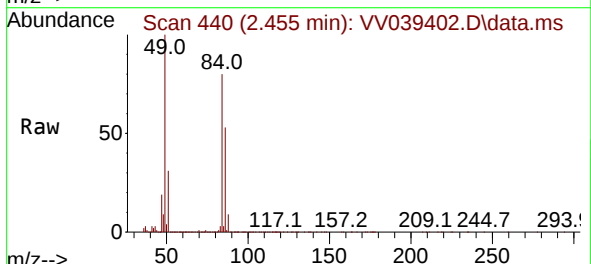
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

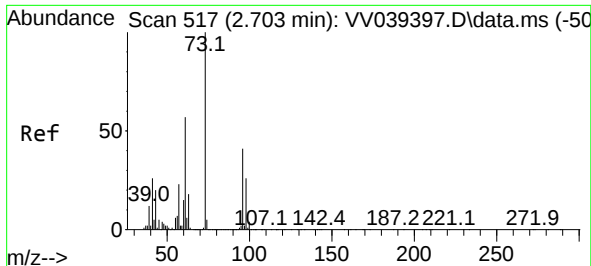
Tgt Ion: 43 Resp: 499242
Ion Ratio Lower Upper
43 100
74 23.7 18.7 28.1



#16
Methylene chloride
Concen: 48.096 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 84 Resp: 469888
Ion Ratio Lower Upper
84 100
86 65.7 44.4 82.5
49 124.5 88.2 163.8

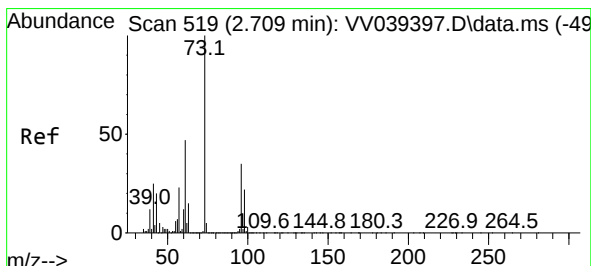
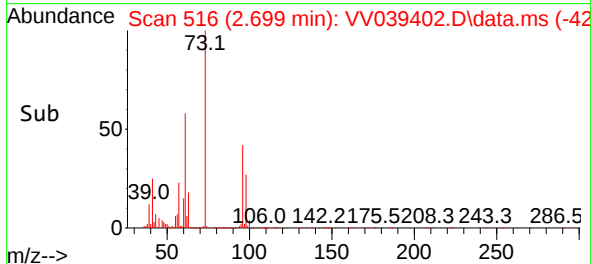
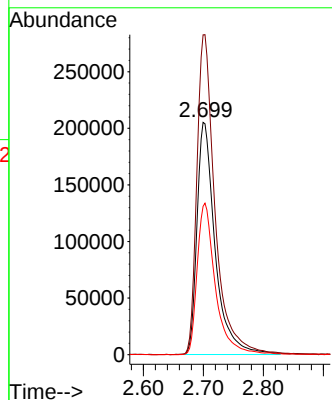
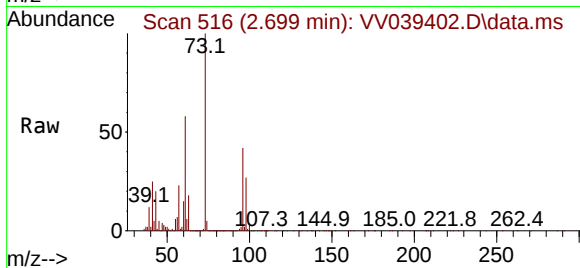




#17
trans-1,2-Dichloroethene
Concen: 49.902 ug/L
RT: 2.699 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

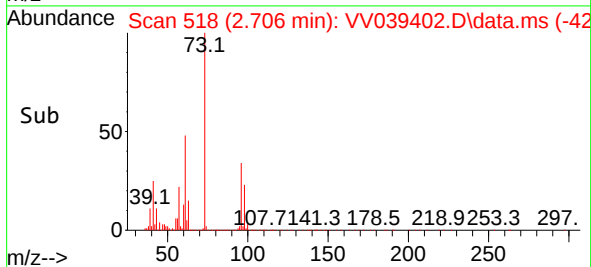
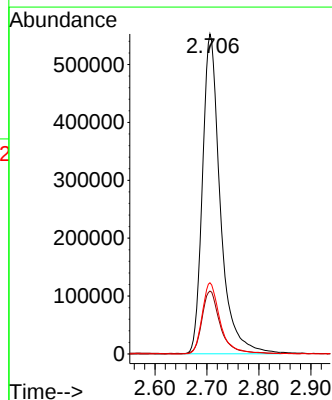
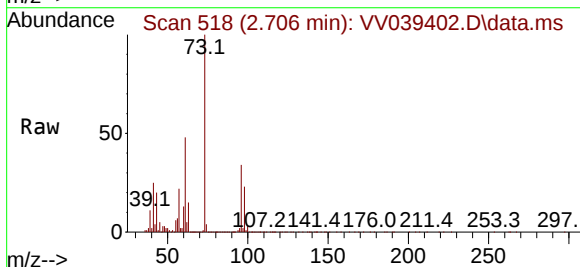
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

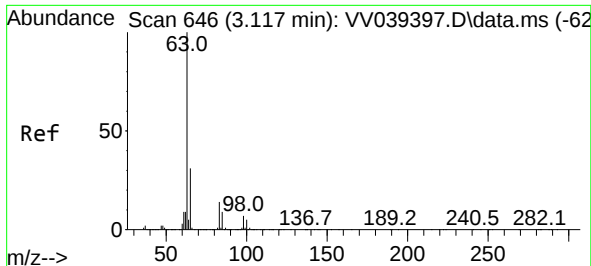
Tgt Ion: 96 Resp: 434015
Ion Ratio Lower Upper
96 100
61 137.7 96.1 178.5
98 63.8 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 49.658 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 73 Resp: 1318452
Ion Ratio Lower Upper
73 100
43 19.6 15.4 23.2
57 22.2 17.6 26.4

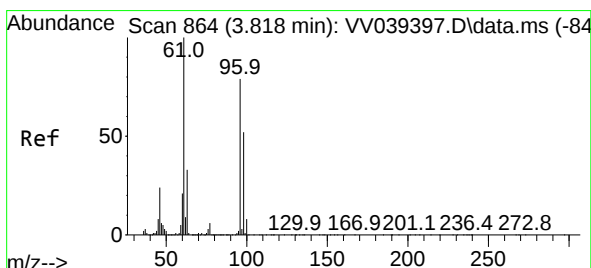
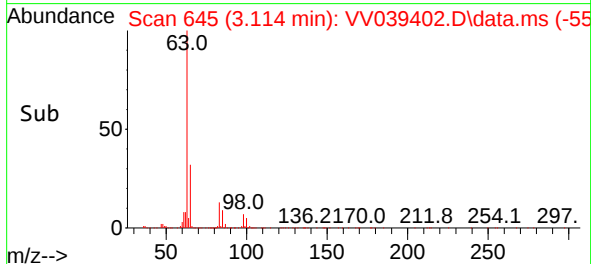
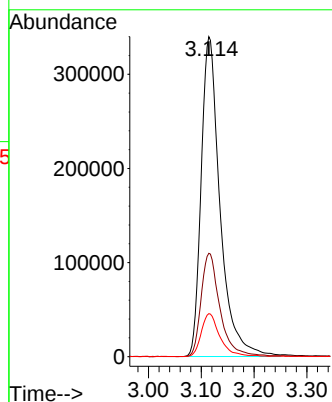
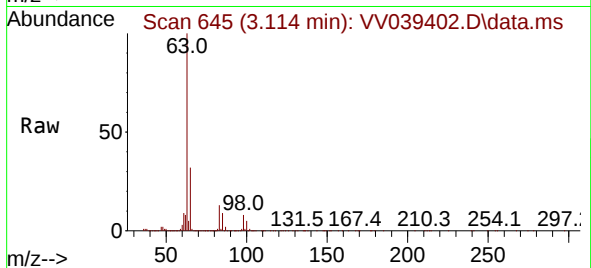




#19
1,1-Dichloroethane
Concen: 48.976 ug/L
RT: 3.114 min Scan# 646
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

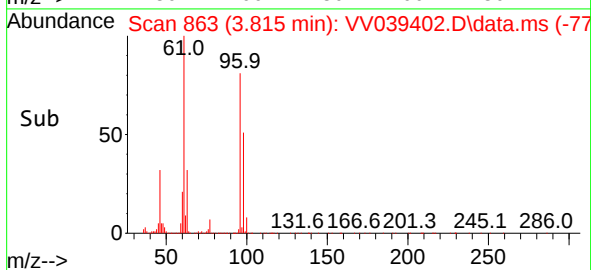
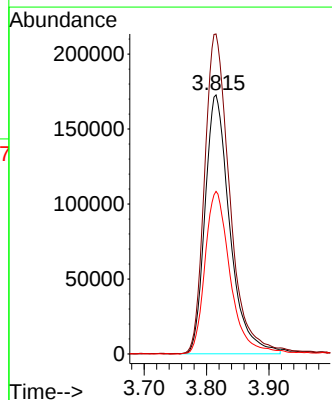
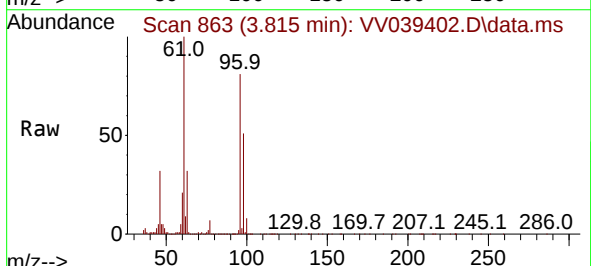
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

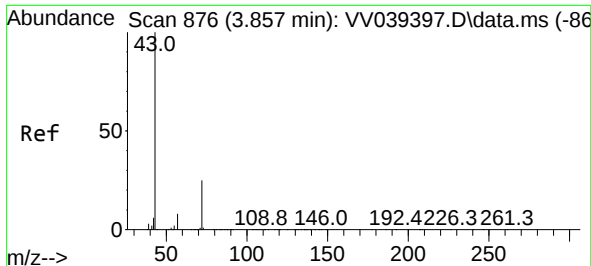
Tgt Ion: 63 Resp: 844218
Ion Ratio Lower Upper
63 100
65 32.3 22.4 41.6
83 13.4 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 50.816 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 96 Resp: 475963
Ion Ratio Lower Upper
96 100
61 123.5 87.3 162.1
98 62.8 45.1 83.7

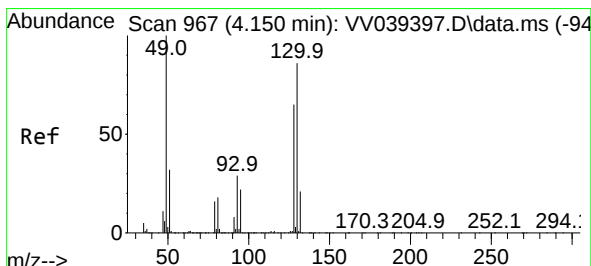
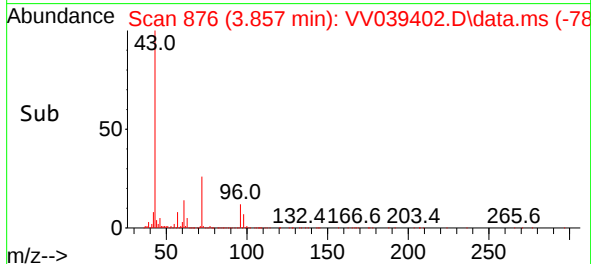
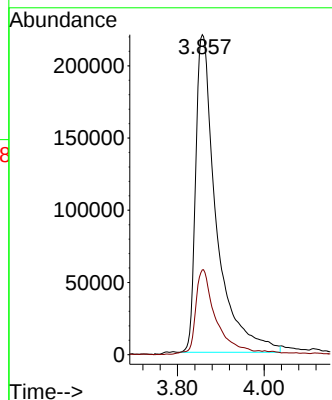
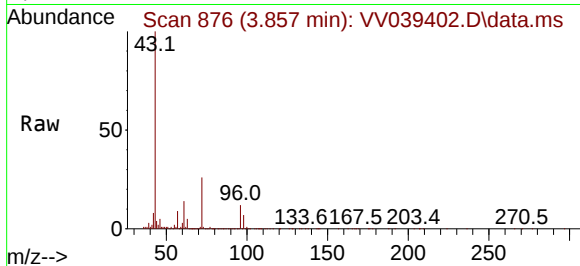




#22
2-Butanone
Concen: 92.425 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

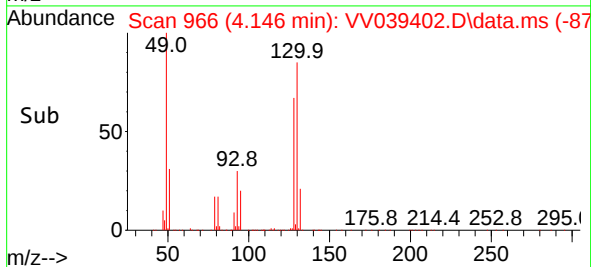
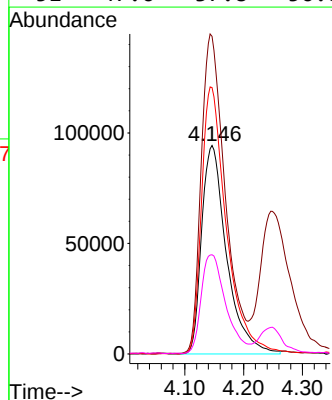
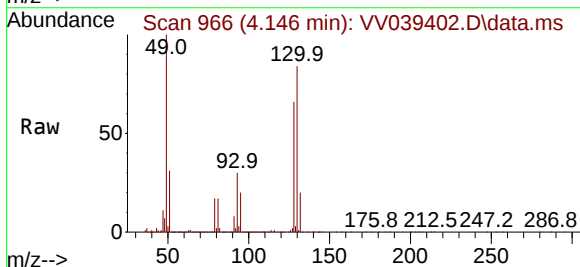
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

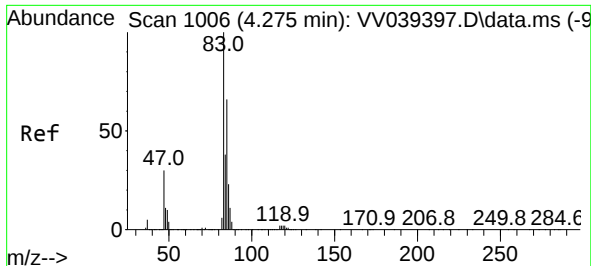
Tgt Ion: 43 Resp: 728475
Ion Ratio Lower Upper
43 100
72 25.8 13.3 39.9



#23
Bromochloromethane
Concen: 50.178 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 128 Resp: 277545
Ion Ratio Lower Upper
128 100
49 152.3 108.6 201.6
130 127.8 89.2 165.6
51 47.6 37.8 56.8

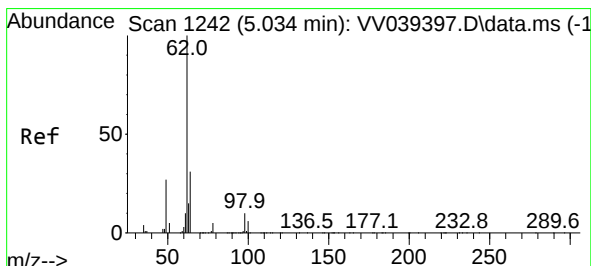
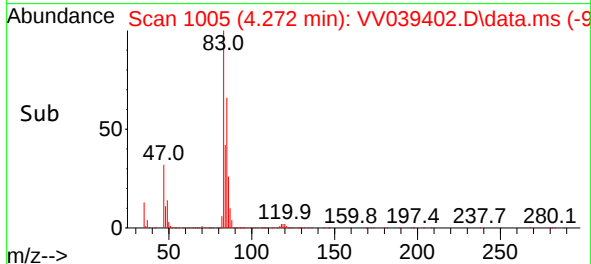
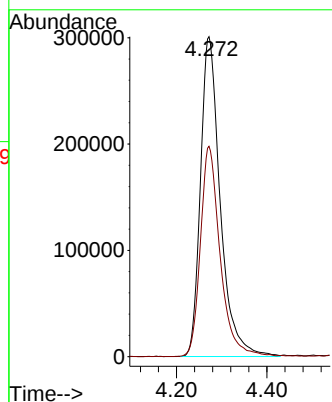
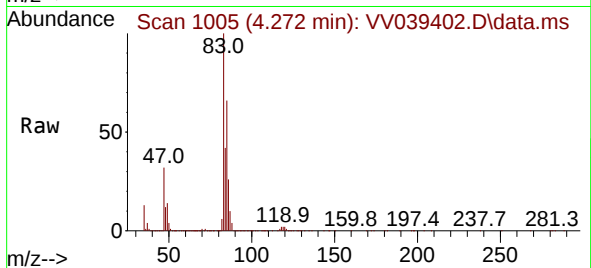




#25
Chloroform
Concen: 48.500 ug/L
RT: 4.272 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

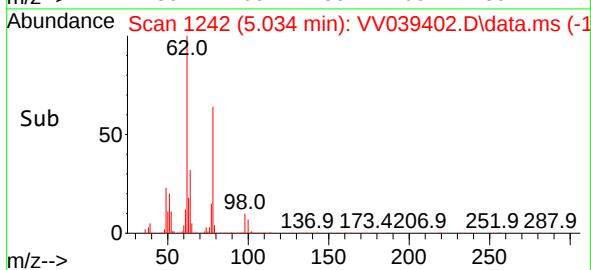
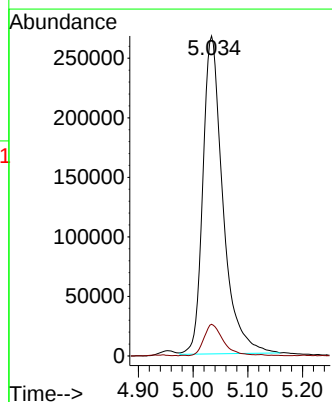
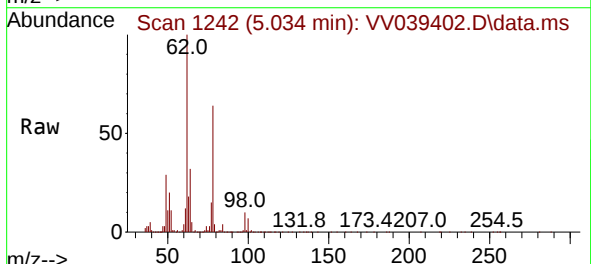
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

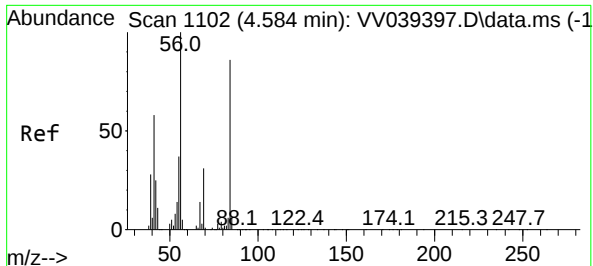
Tgt Ion: 83 Resp: 912897
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 49.073 ug/L
RT: 5.034 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 62 Resp: 680773
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5





#29

Cyclohexane

Concen: 52.539 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050332

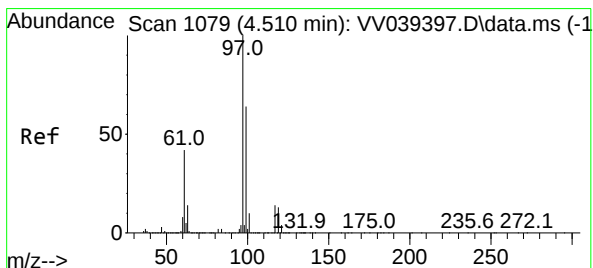
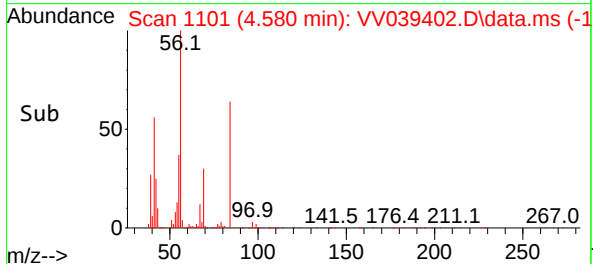
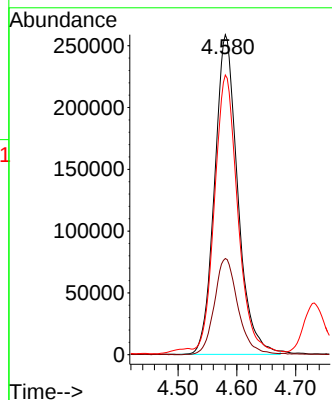
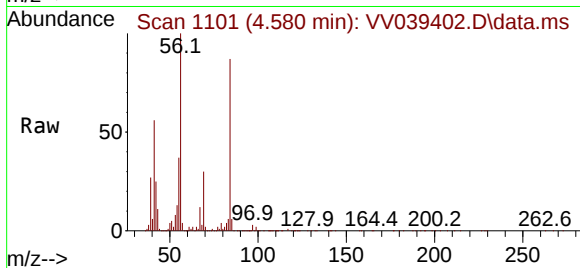
Tgt Ion: 56 Resp: 708138

Ion Ratio Lower Upper

56 100

69 30.7 24.1 36.1

84 85.7 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 49.616 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.003 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

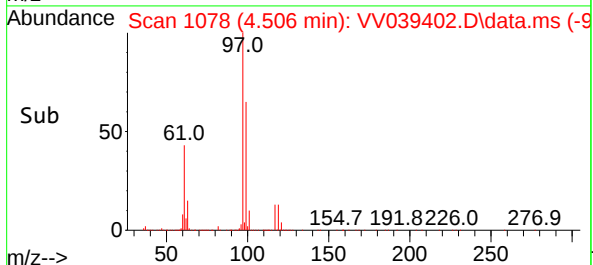
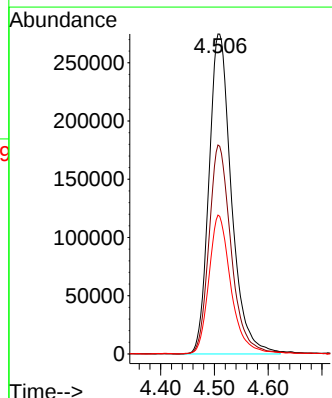
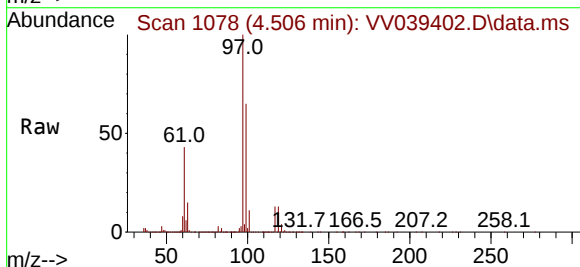
Tgt Ion: 97 Resp: 799125

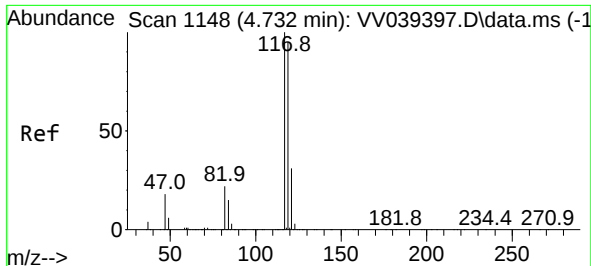
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.3 34.5 51.7

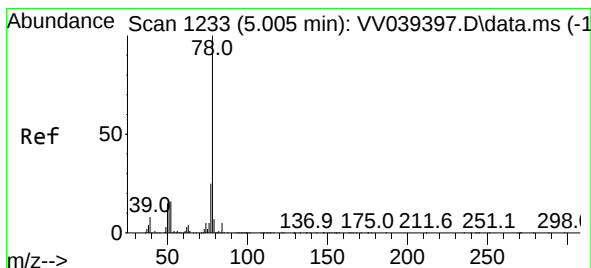
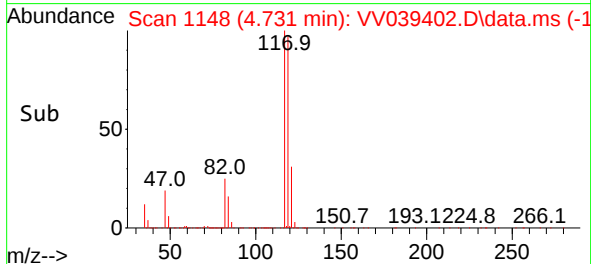
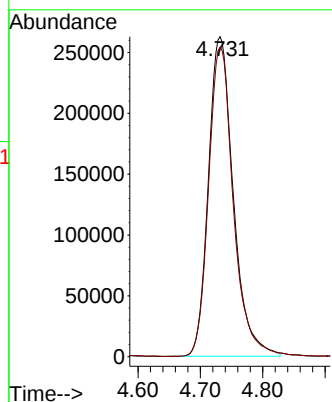
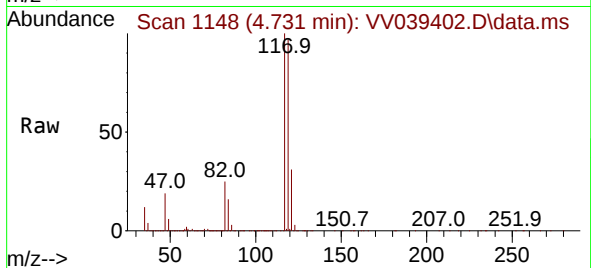




#31
Carbon tetrachloride
Concen: 49.123 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

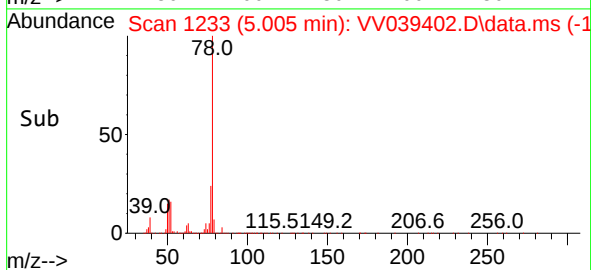
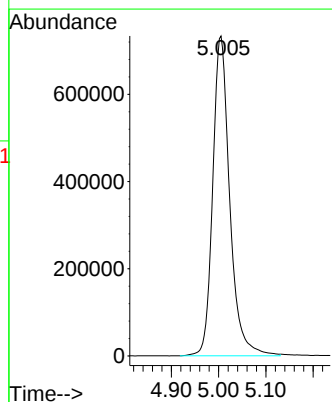
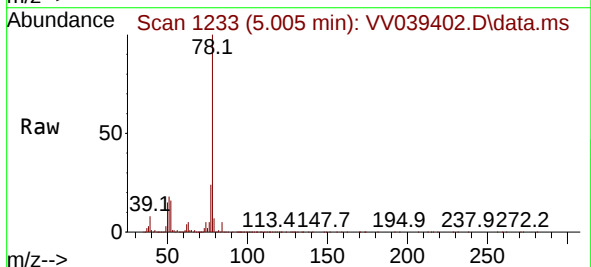
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

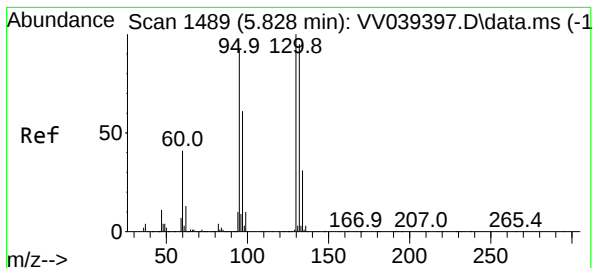
Tgt Ion:117 Resp: 728271
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1



#33
Benzene
Concen: 51.630 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 78 Resp: 1835535





#34

Trichloroethene

Concen: 50.052 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050332

Tgt Ion: 95 Resp: 480734

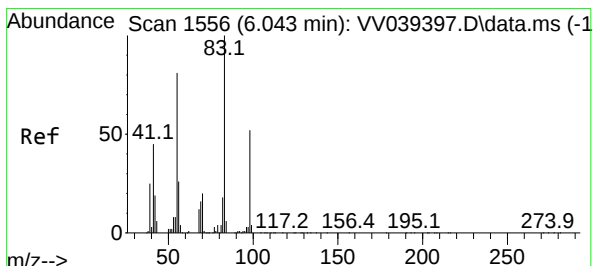
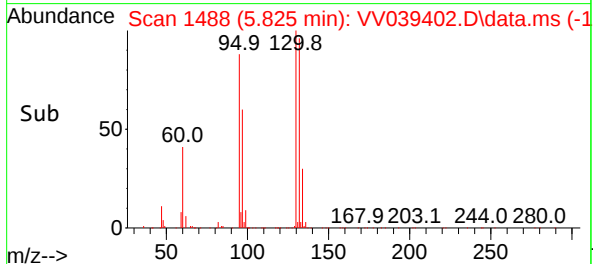
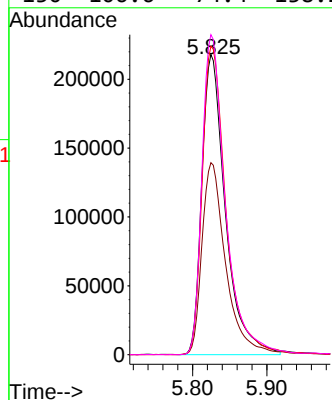
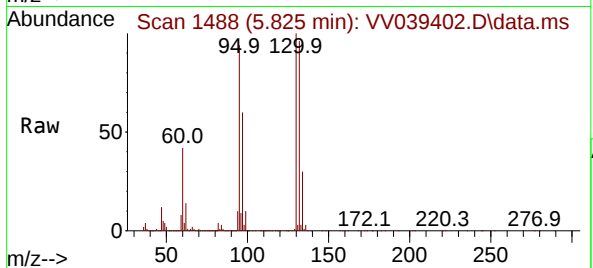
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.5

132 102.8 71.9 133.5

130 106.6 74.4 138.2



#35

Methylcyclohexane

Concen: 52.994 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

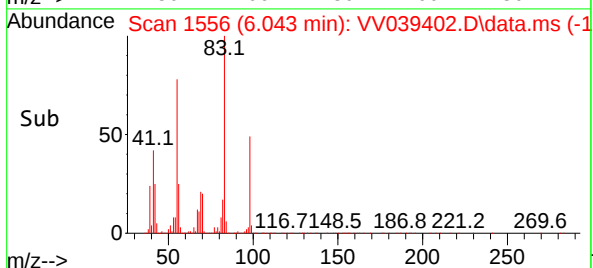
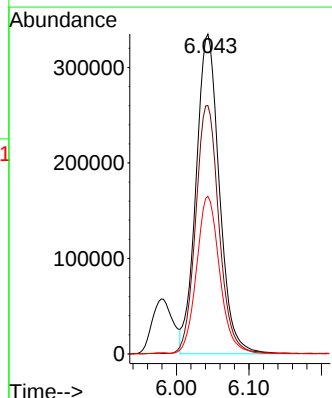
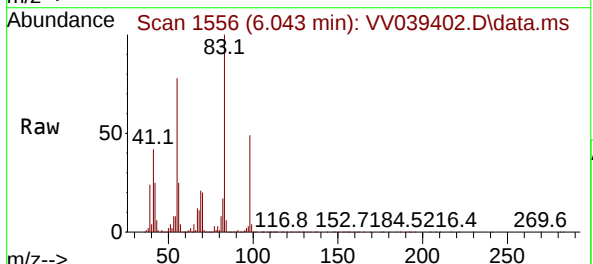
Tgt Ion: 83 Resp: 747991

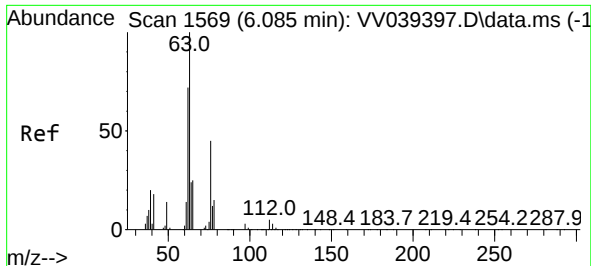
Ion Ratio Lower Upper

83 100

55 77.7 62.5 93.7

98 49.0 39.2 58.8





#37

1,2-Dichloropropane

Concen: 49.423 ug/L

RT: 6.082 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

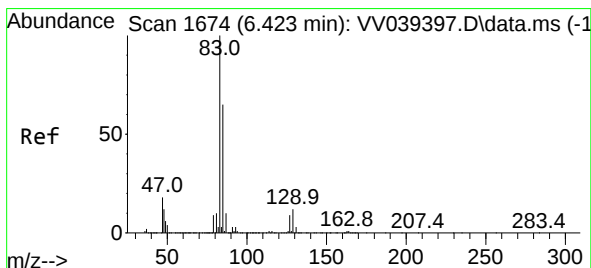
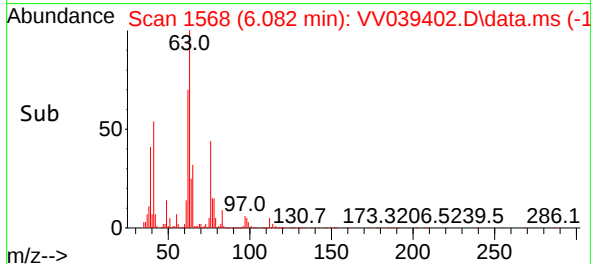
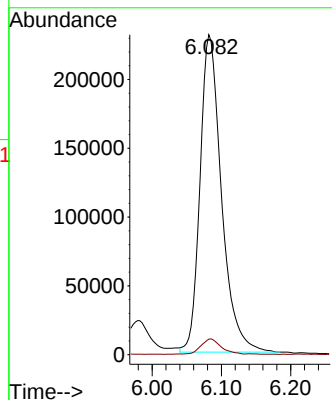
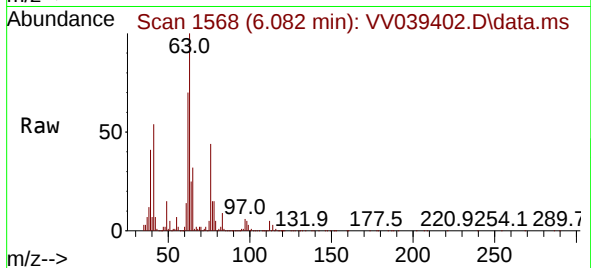
VSTD050332

Tgt Ion: 63 Resp: 496888

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 48.515 ug/L

RT: 6.423 min Scan# 1674

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

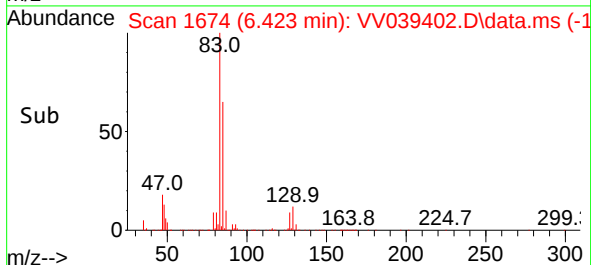
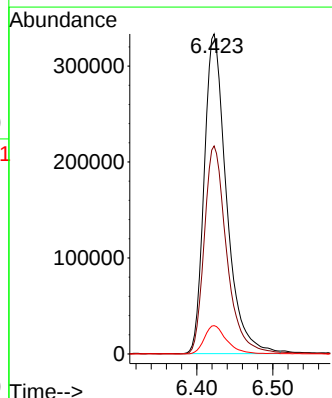
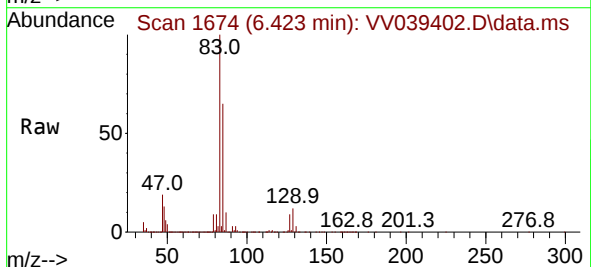
Tgt Ion: 83 Resp: 678084

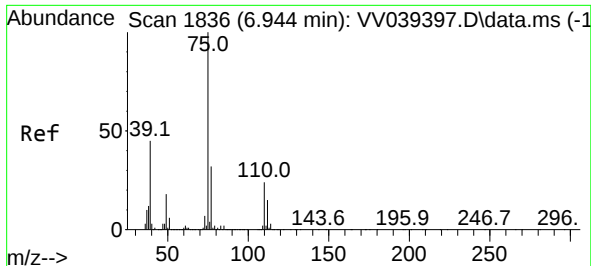
Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

127 8.9 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 50.755 ug/L

RT: 6.944 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

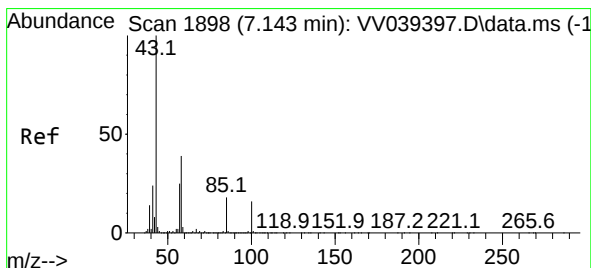
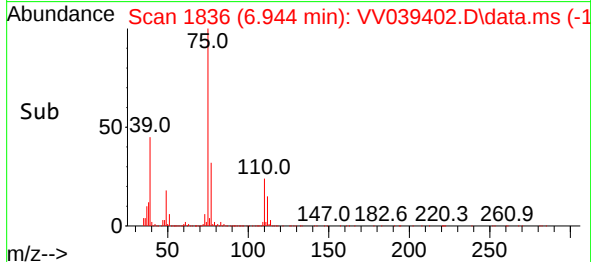
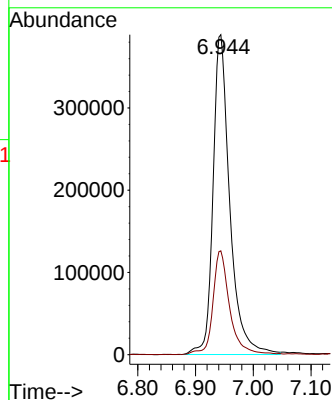
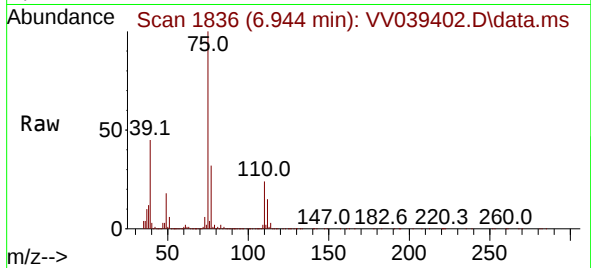
VSTD050332

Tgt Ion: 75 Resp: 785776

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 105.990 ug/L

RT: 7.143 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

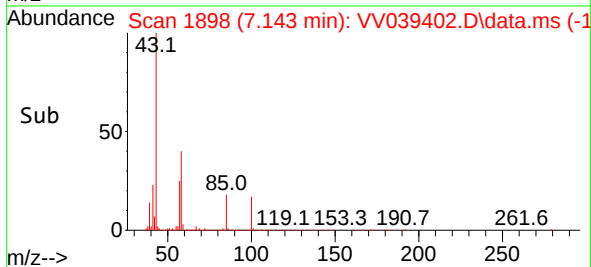
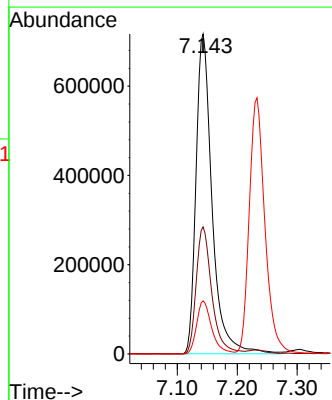
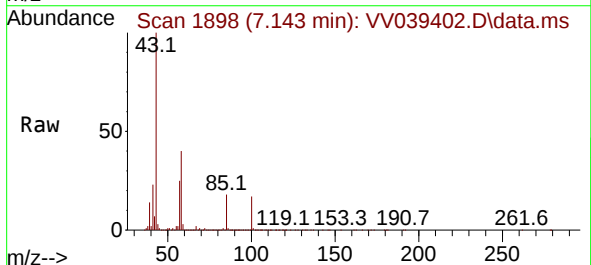
Tgt Ion: 43 Resp: 1339700

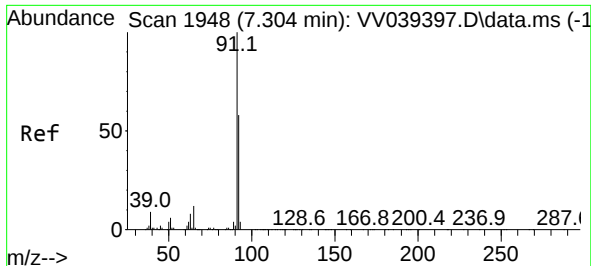
Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2

100 15.6 12.5 18.7

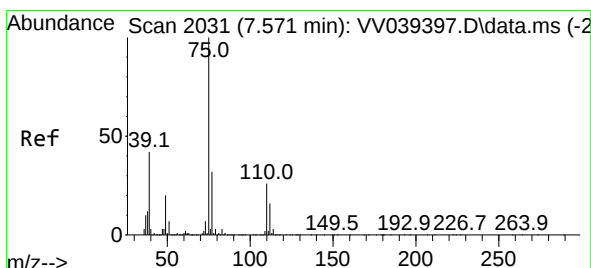
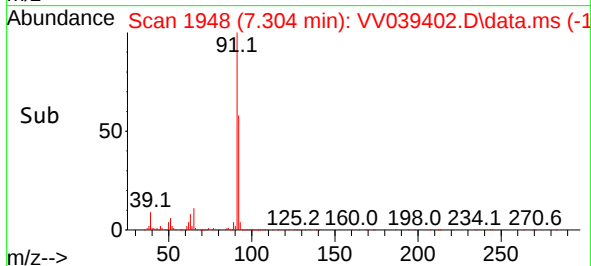
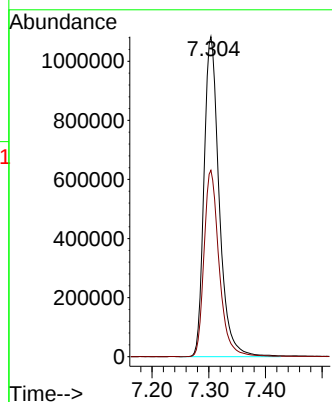
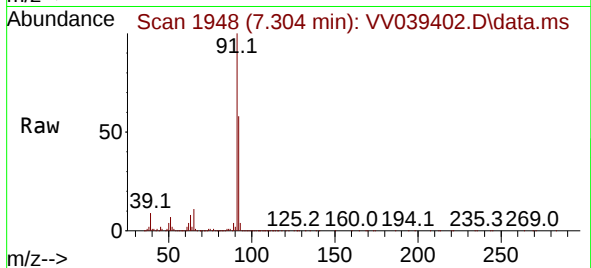




#42
Toluene
Concen: 53.427 ug/L
RT: 7.304 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

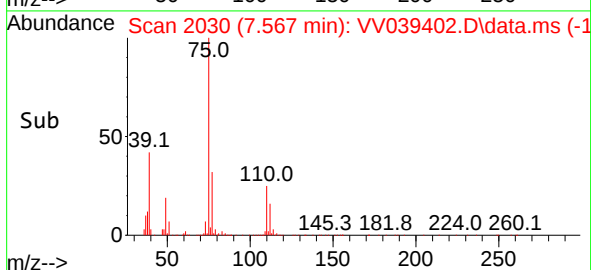
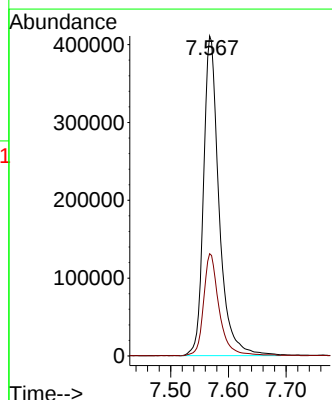
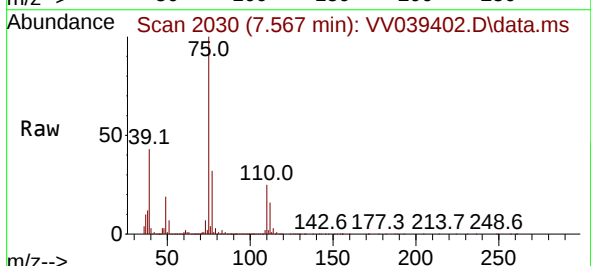
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

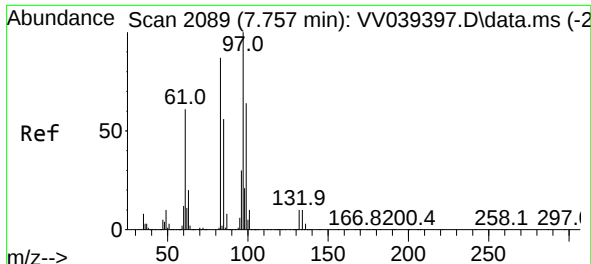
Tgt Ion: 91 Resp: 2012959
Ion Ratio Lower Upper
91 100
92 58.2 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 51.451 ug/L
RT: 7.567 min Scan# 2030
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 75 Resp: 767867
Ion Ratio Lower Upper
75 100
77 32.0 23.0 42.6

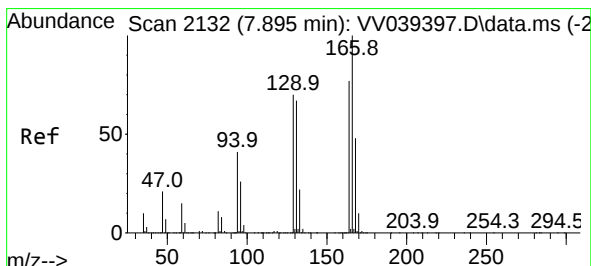
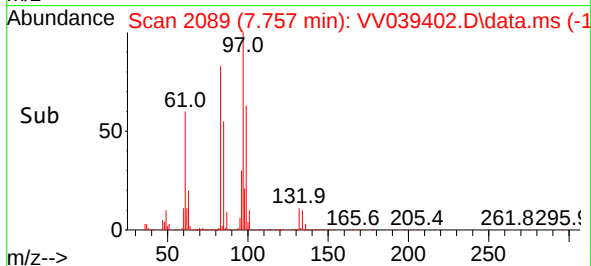
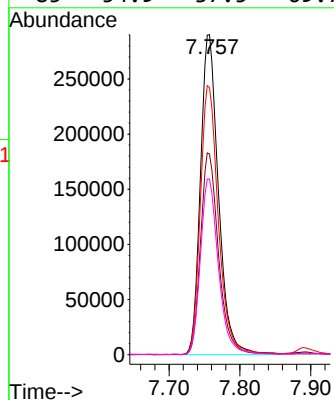
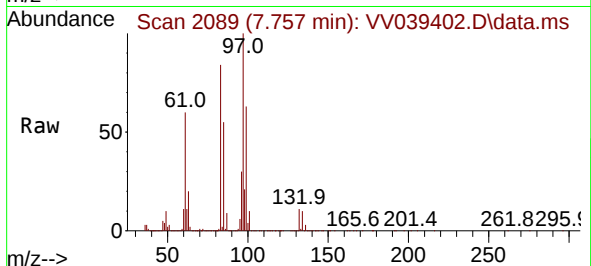




#45
1,1,2-Trichloroethane
Concen: 49.028 ug/L
RT: 7.757 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

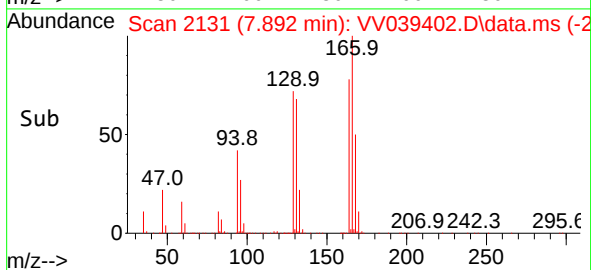
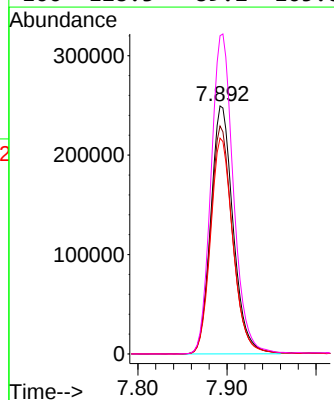
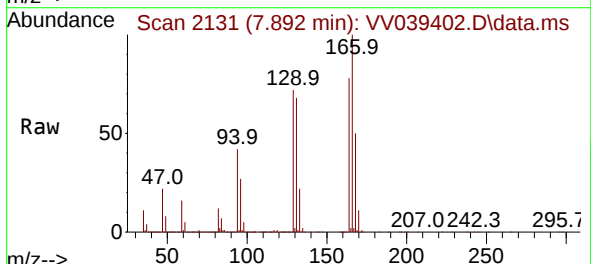
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

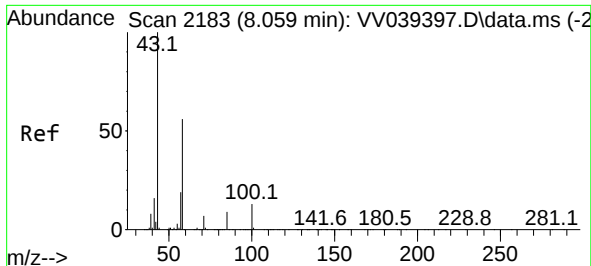
Tgt Ion:	97	Resp:	512691
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.7	81.1
83	83.5	59.1	109.9
85	54.9	37.5	69.7



#46
Tetrachloroethene
Concen: 49.315 ug/L
RT: 7.892 min Scan# 2131
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion:	164	Resp:	435103
Ion	Ratio	Lower	Upper
164	100		
129	92.0	62.0	115.2
131	87.1	59.1	109.7
166	128.3	89.2	165.8



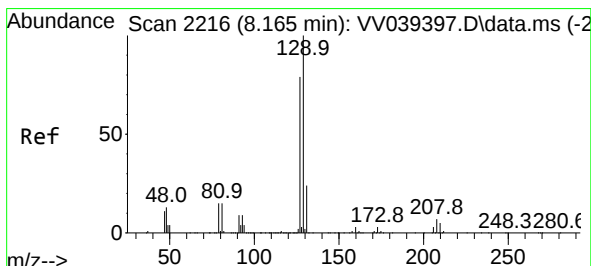
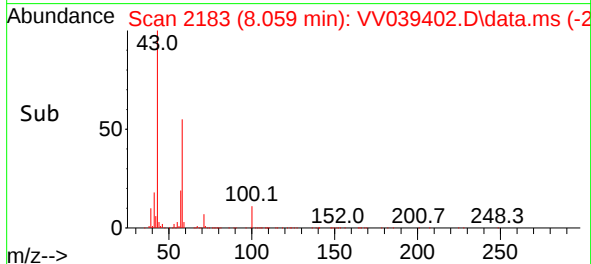
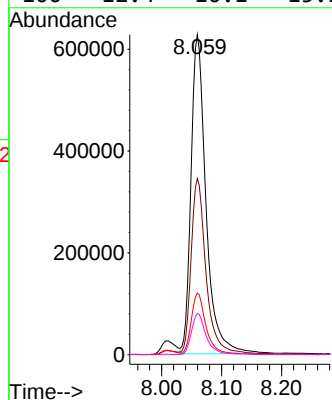
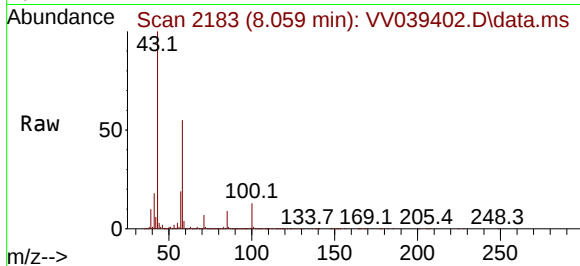


#48
2-Hexanone
Concen: 103.309 ug/L
RT: 8.059 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

Tgt Ion: 43 Resp: 1090899

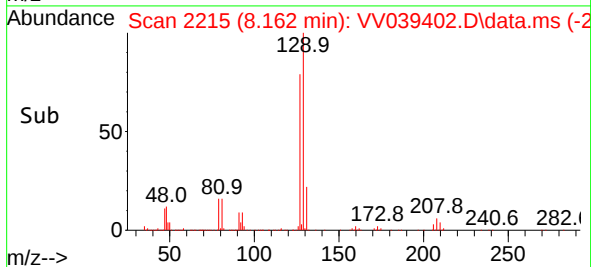
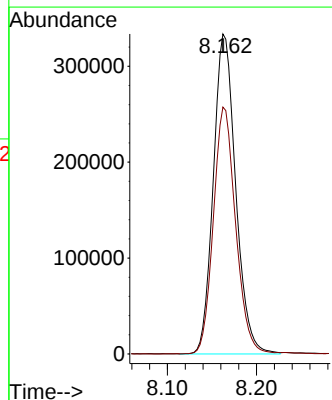
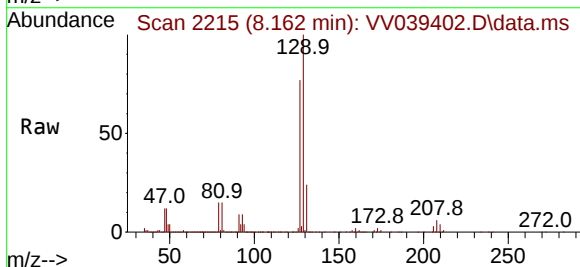
Ion	Ratio	Lower	Upper
43	100		
58	54.0	45.0	67.4
57	18.9	15.0	22.6
100	12.4	10.1	15.1

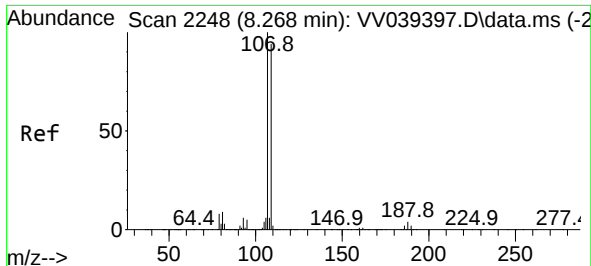


#49
Dibromochloromethane
Concen: 48.782 ug/L
RT: 8.162 min Scan# 2215
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 129 Resp: 582747

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.8	101.8





#50

1,2-Dibromoethane

Concen: 47.859 ug/L

RT: 8.268 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050332

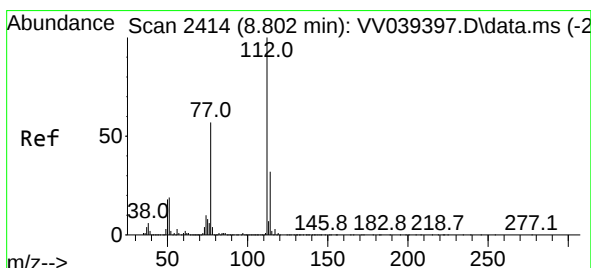
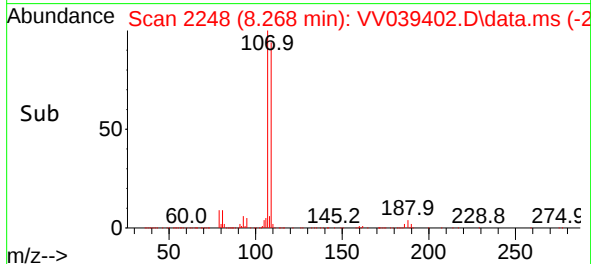
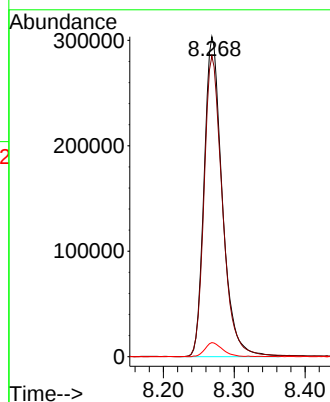
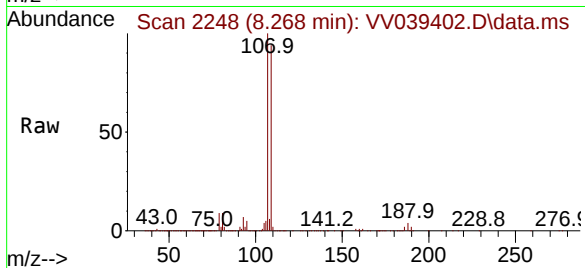
Tgt Ion:107 Resp: 539136

Ion Ratio Lower Upper

107 100

109 93.9 65.0 120.8

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 49.249 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

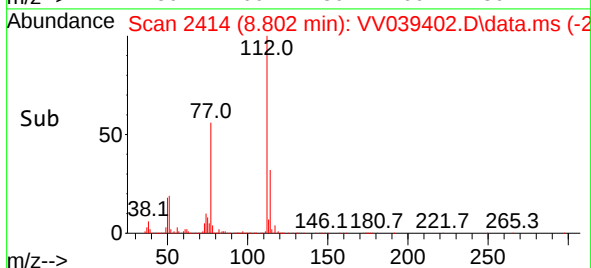
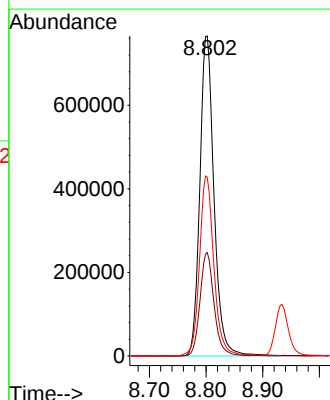
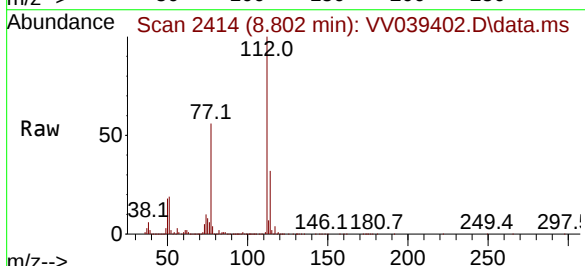
Tgt Ion:112 Resp: 1330093

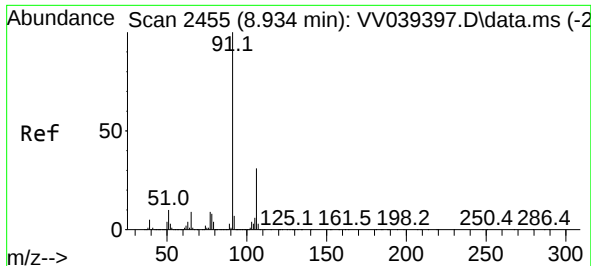
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 55.9 45.1 67.7

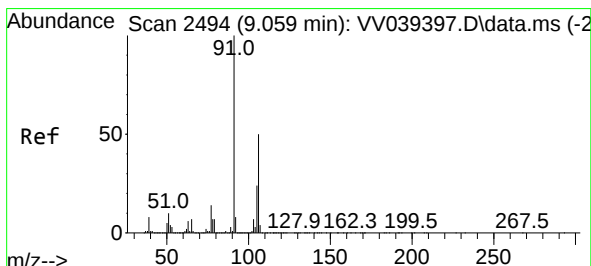
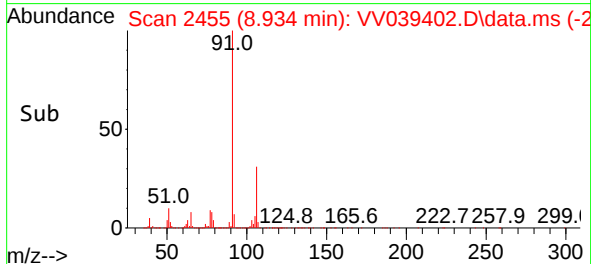
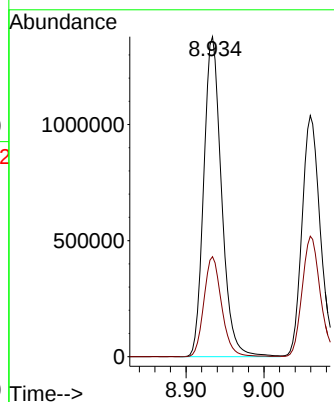
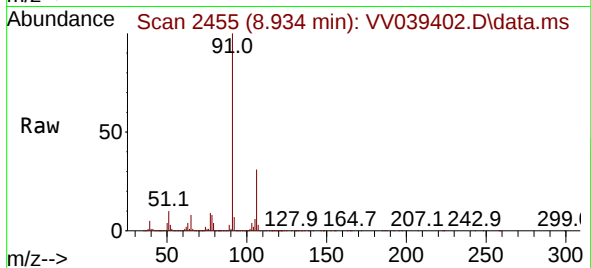




#52
Ethylbenzene
Concen: 53.323 ug/L
RT: 8.934 min Scan# 2455
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

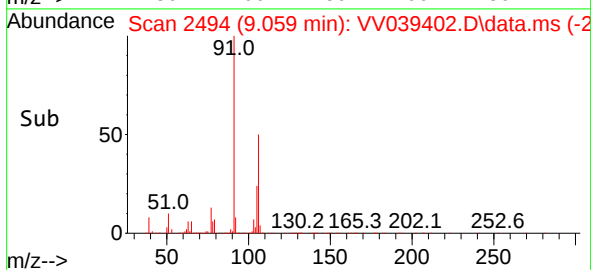
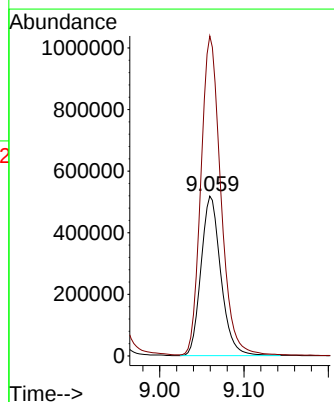
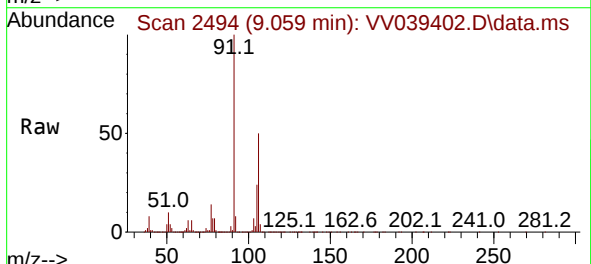
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

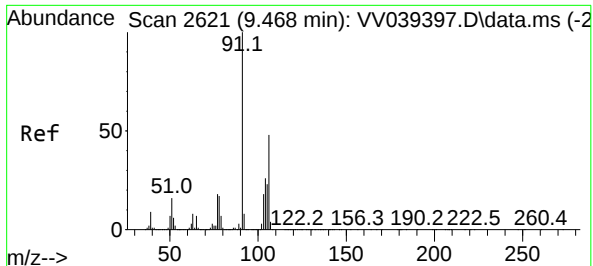
Tgt Ion: 91 Resp: 2183836
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#53
m,p-Xylene
Concen: 54.062 ug/L
RT: 9.059 min Scan# 2494
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion:106 Resp: 847470
Ion Ratio Lower Upper
106 100
91 200.3 141.1 262.1

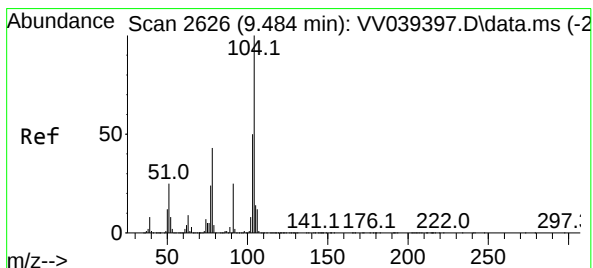
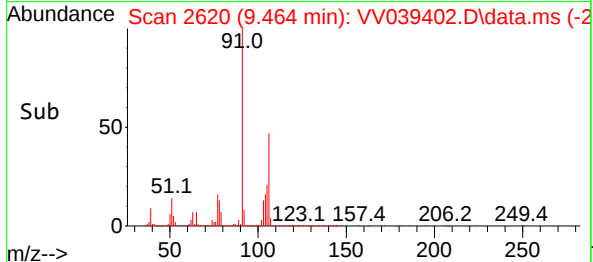
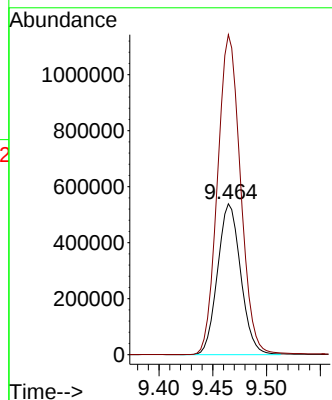
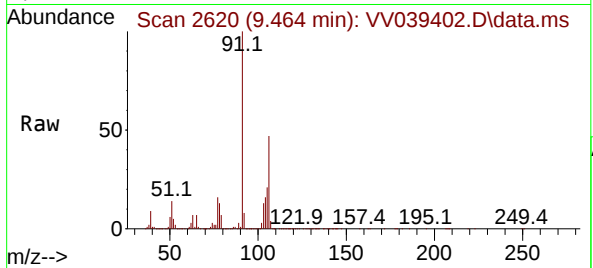




#54
o-Xylene
Concen: 53.776 ug/L
RT: 9.464 min Scan# 2620
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

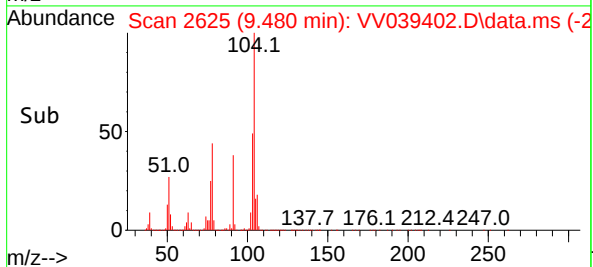
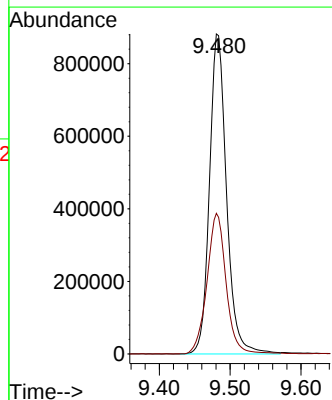
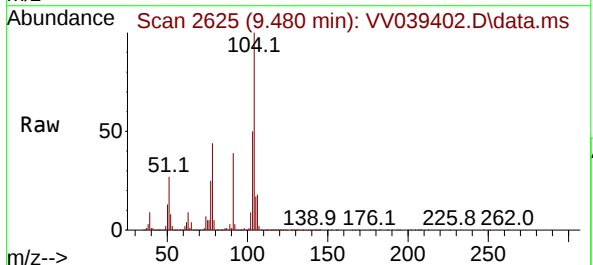
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

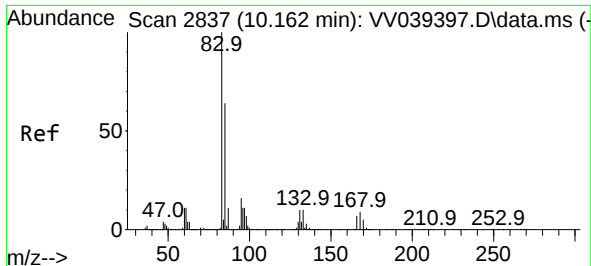
Tgt Ion:106 Resp: 805550
Ion Ratio Lower Upper
106 100
91 212.1 149.0 276.6



#55
Styrene
Concen: 56.003 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion:104 Resp: 1475354
Ion Ratio Lower Upper
104 100
78 44.0 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 48.373 ug/L

RT: 10.162 min Scan# 2837

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

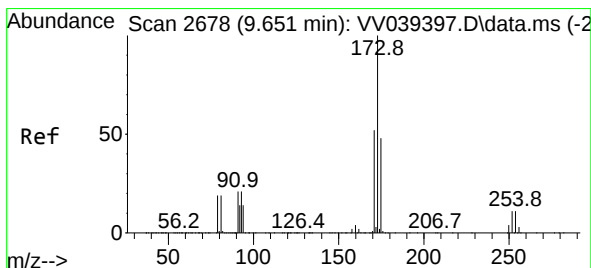
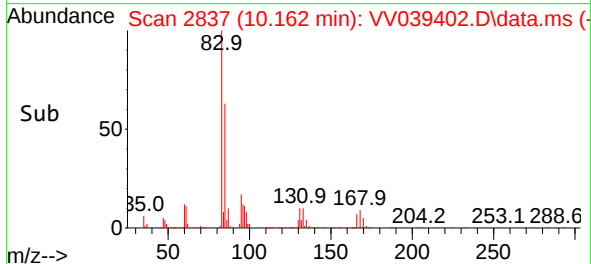
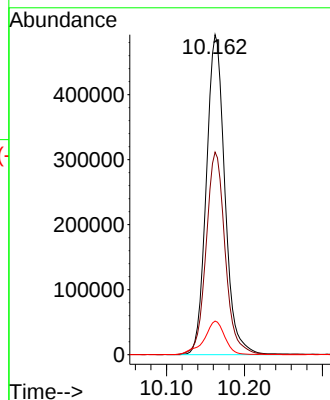
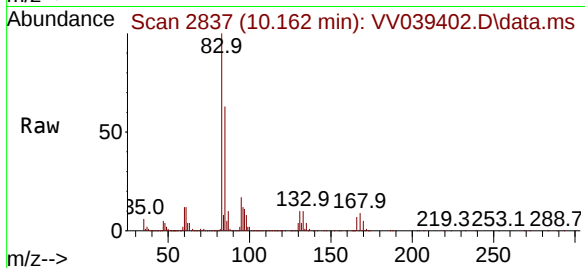
MSVOA_V

ClientSampleId :

VSTD050332

Tgt Ion: 83 Resp: 812774

Ion	Ratio	Lower	Upper
83	100		
85	63.3	46.1	85.5
131	10.5	8.3	12.5



#59

Bromoform

Concen: 45.548 ug/L

RT: 9.651 min Scan# 2678

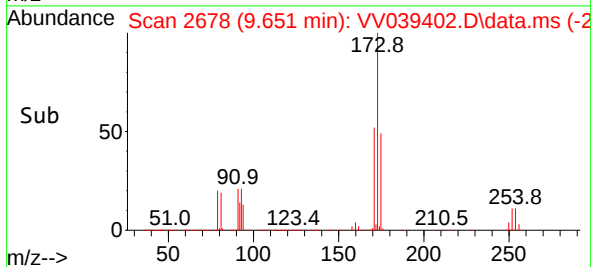
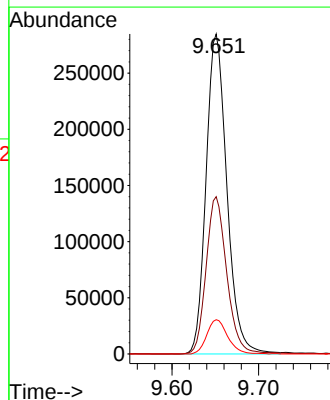
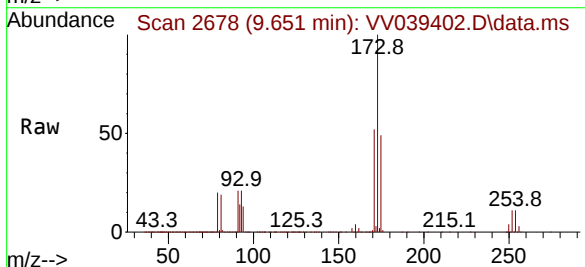
Delta R.T. -0.000 min

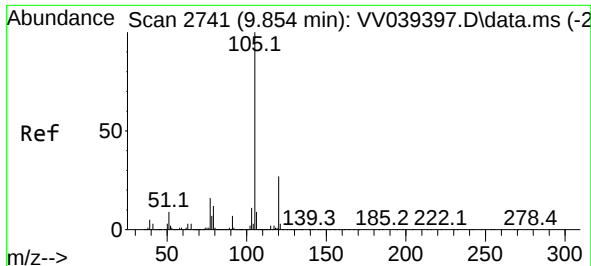
Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Tgt Ion: 173 Resp: 476115

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.5	57.7
254	10.7	8.4	12.6

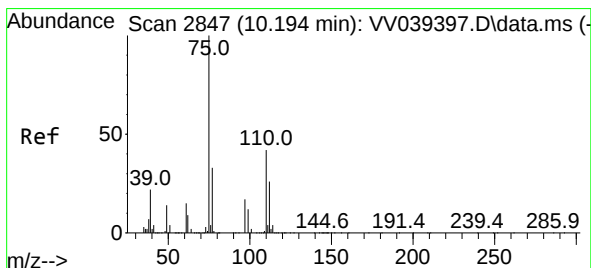
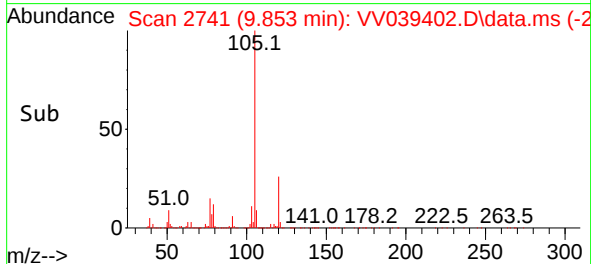
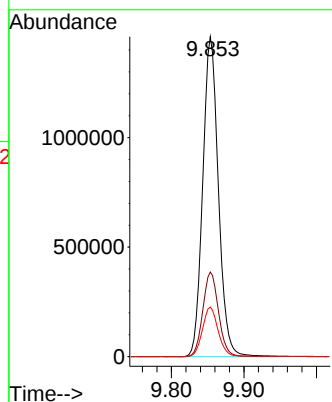
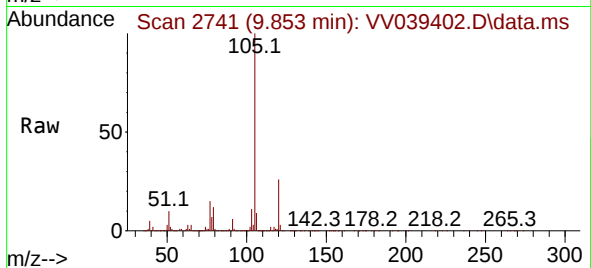




#60
Isopropylbenzene
Concen: 52.654 ug/L
RT: 9.853 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

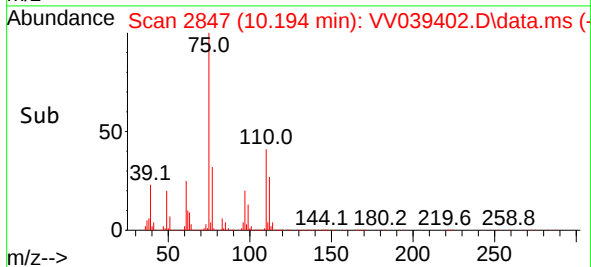
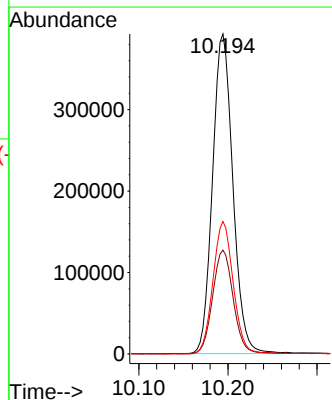
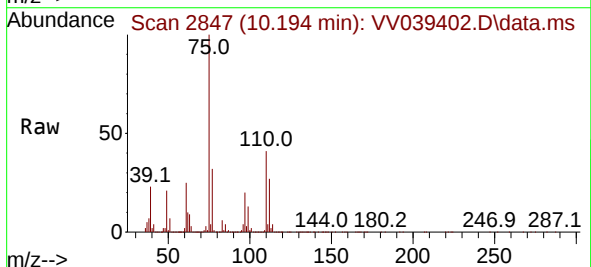
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

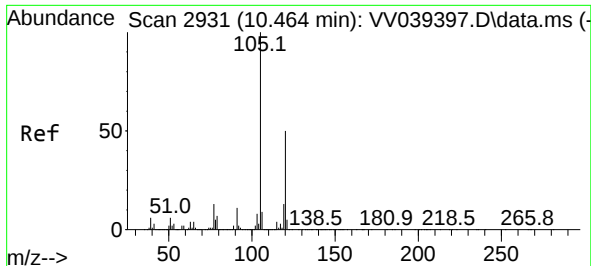
Tgt Ion:105 Resp: 2188937
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 46.679 ug/L
RT: 10.194 min Scan# 2847
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 75 Resp: 621656
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 41.3 32.6 49.0

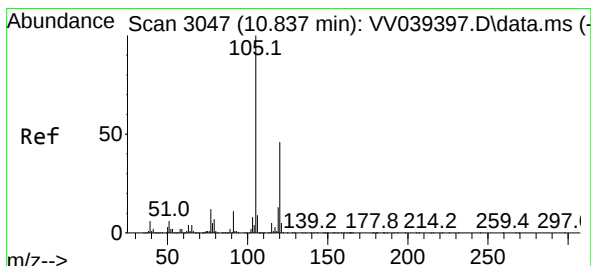
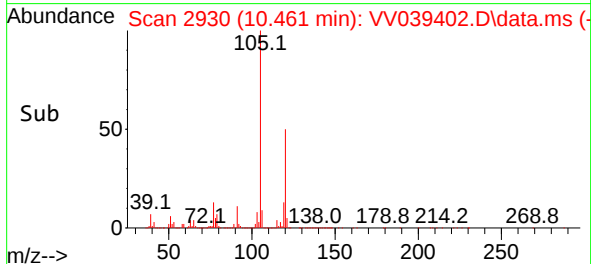
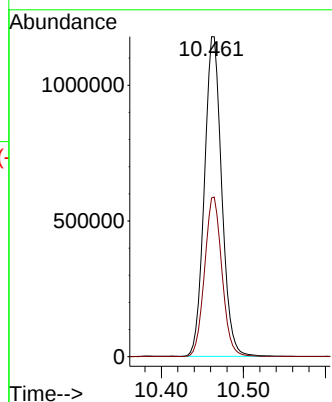
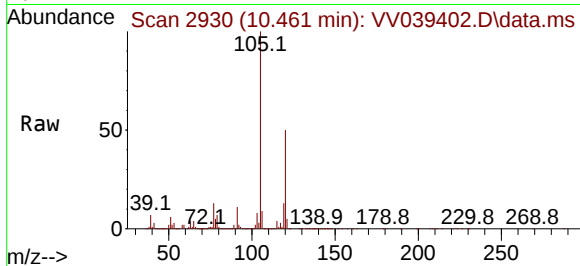




#62
 1,3,5-Trimethylbenzene
 Concen: 53.230 ug/L
 RT: 10.461 min Scan# 2931
 Delta R.T. -0.003 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

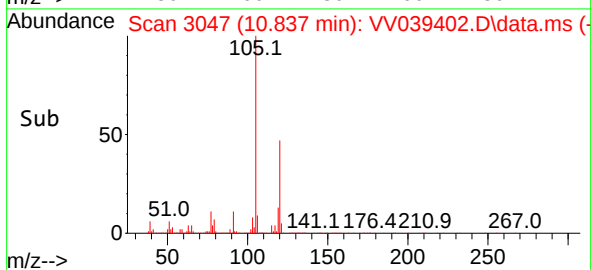
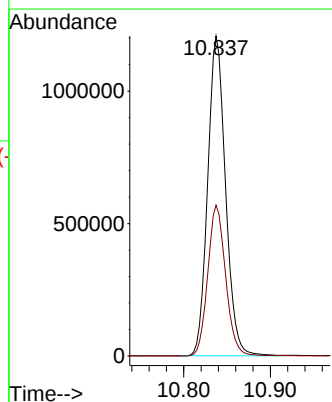
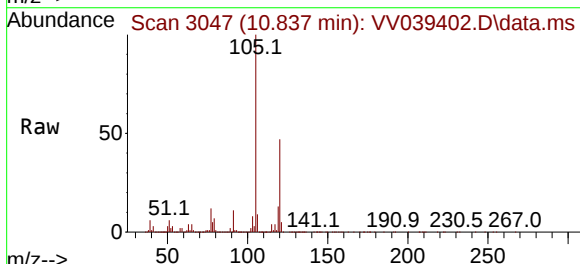
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050332

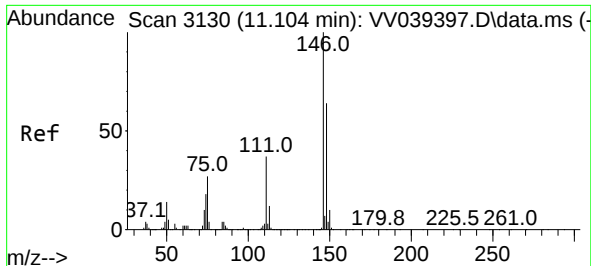
Tgt Ion:105 Resp: 1728173
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 54.220 ug/L
 RT: 10.837 min Scan# 3047
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

Tgt Ion:105 Resp: 1730857
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.4 56.2

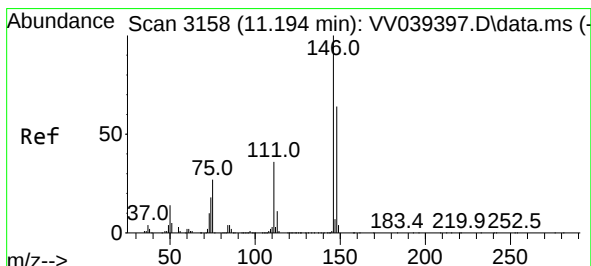
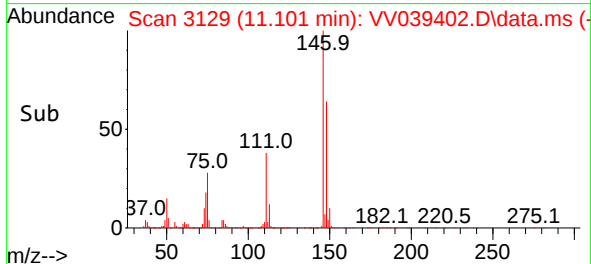
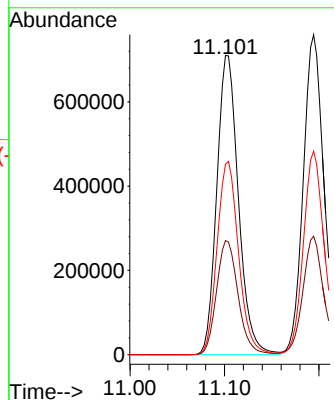
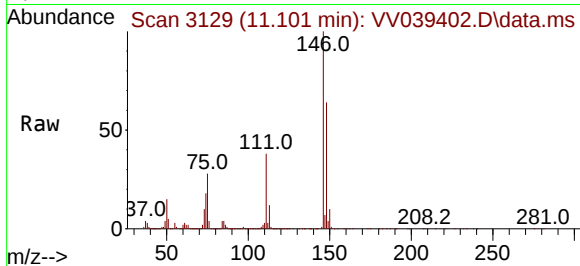




#64
1,3-Dichlorobenzene
Concen: 49.846 ug/L
RT: 11.101 min Scan# 3129
Delta R.T. -0.003 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

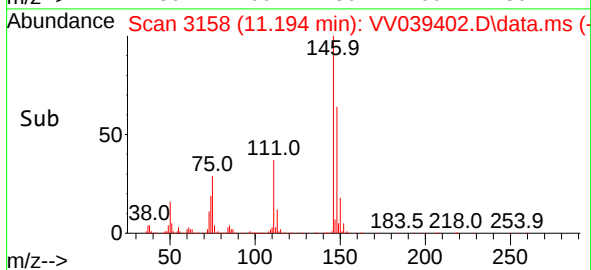
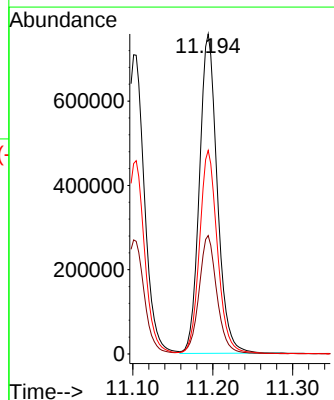
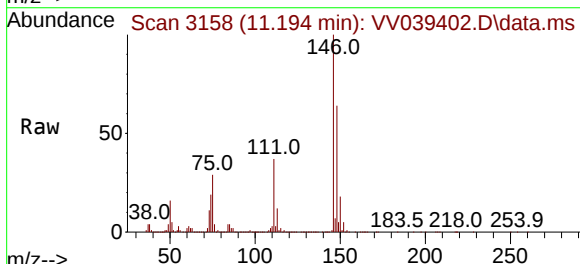
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

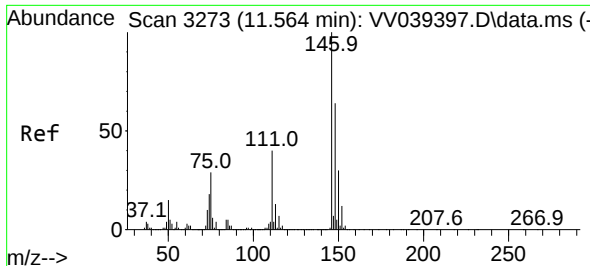
Tgt Ion:146 Resp: 1128134
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.3
148 63.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 48.331 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion:146 Resp: 1178476
Ion Ratio Lower Upper
146 100
111 37.0 25.6 47.4
148 63.6 44.9 83.5

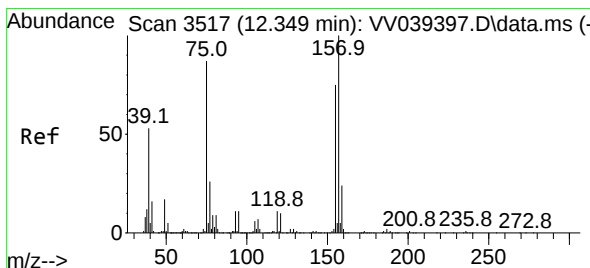
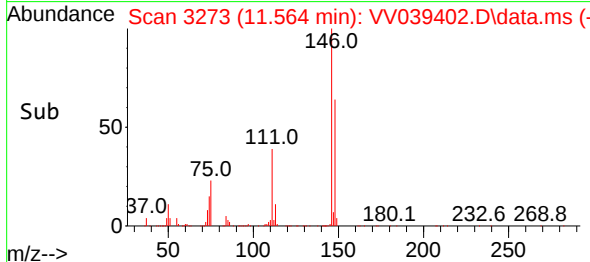
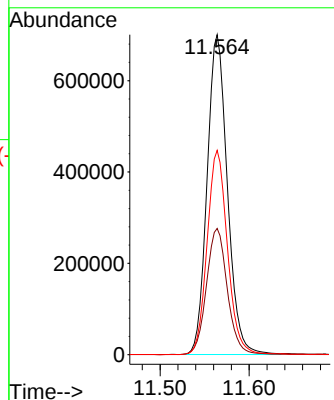
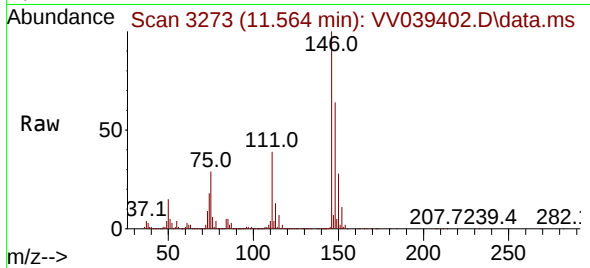




#67
1,2-Dichlorobenzene
Concen: 48.982 ug/L
RT: 11.564 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

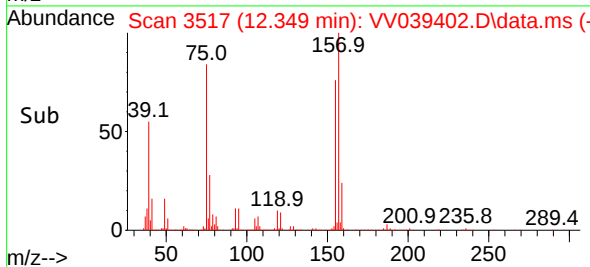
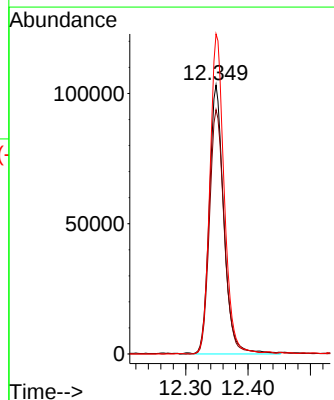
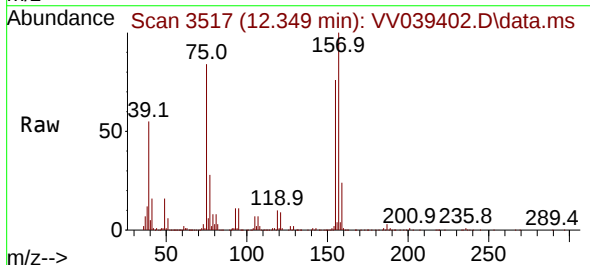
Instrument :
MSVOA_V
ClientSampleId :
VSTD050332

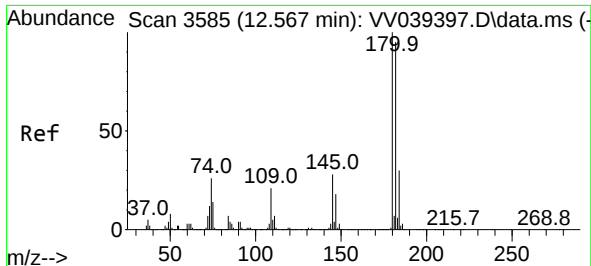
Tgt Ion:146 Resp: 1107142
Ion Ratio Lower Upper
146 100
111 39.5 32.2 48.2
148 63.9 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 45.073 ug/L
RT: 12.349 min Scan# 3517
Delta R.T. -0.000 min
Lab File: VV039402.D
Acq: 18 Nov 2025 12:17

Tgt Ion: 75 Resp: 168524
Ion Ratio Lower Upper
75 100
155 90.8 73.0 109.4
157 119.0 91.0 136.4

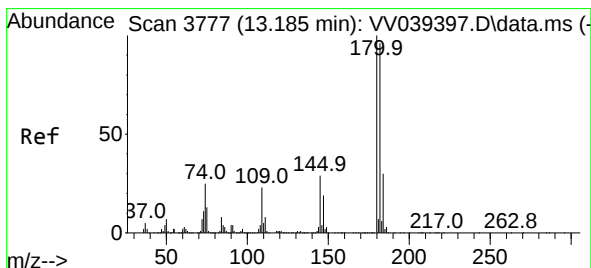
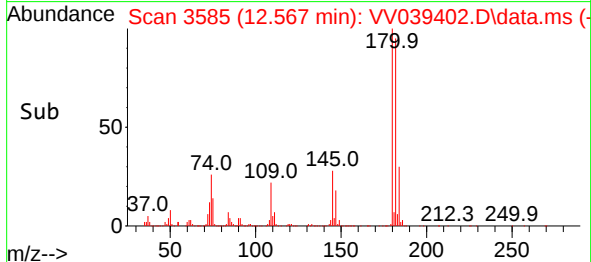
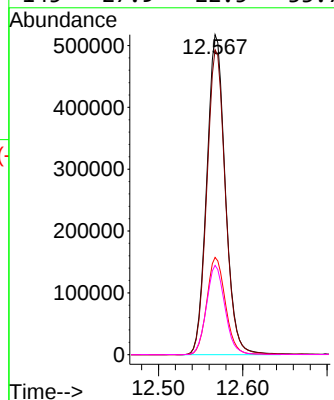
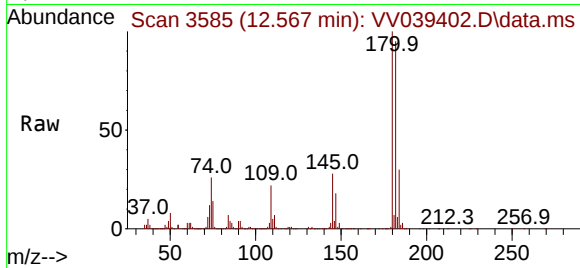




#69
 1,3,5-Trichlorobenzene
 Concen: 49.158 ug/L
 RT: 12.567 min Scan# 3585
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

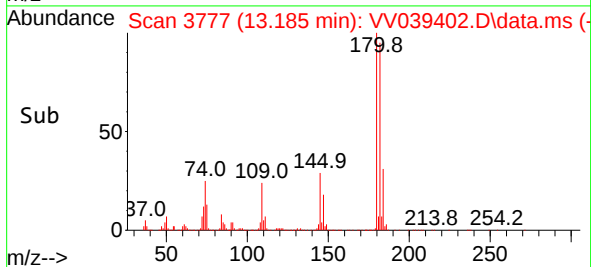
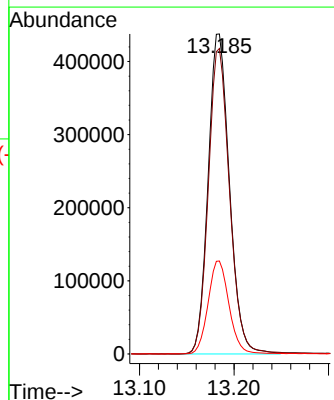
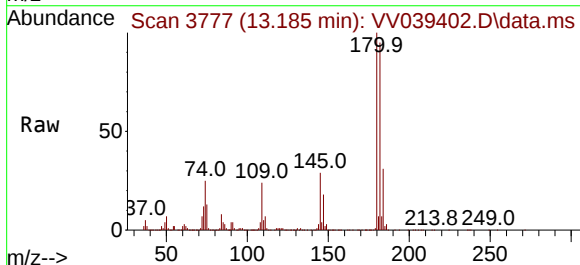
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050332

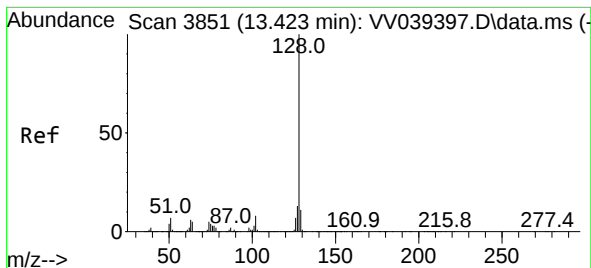
Tgt Ion:	180	Resp:	792485
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.8	113.8
184	30.6	24.3	36.5
145	27.9	22.5	33.7



#70
 1,2,4-trichlorobenzene
 Concen: 48.782 ug/L
 RT: 13.185 min Scan# 3777
 Delta R.T. -0.000 min
 Lab File: VV039402.D
 Acq: 18 Nov 2025 12:17

Tgt Ion:	180	Resp:	685261
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.1	114.1
145	28.5	22.5	33.7





#71

Naphthalene

Concen: 50.996 ug/L

RT: 13.422 min Scan# 3851

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050332

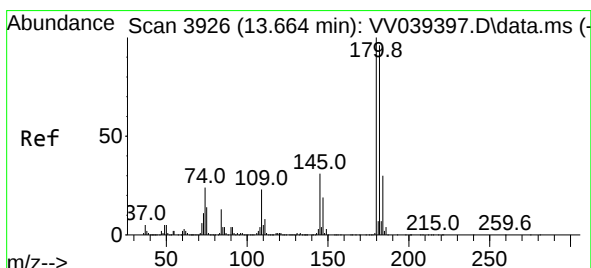
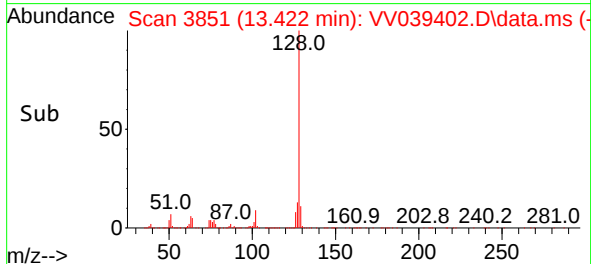
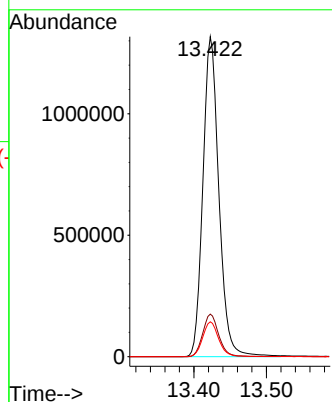
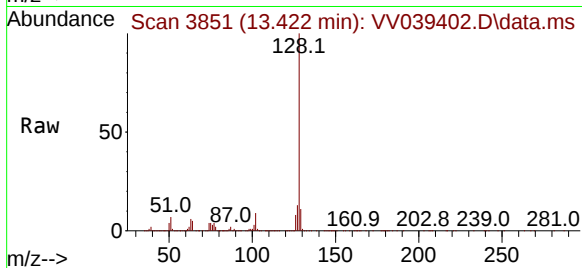
Tgt Ion:128 Resp: 2017000

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.492 ug/L

RT: 13.664 min Scan# 3926

Delta R.T. -0.000 min

Lab File: VV039402.D

Acq: 18 Nov 2025 12:17

Tgt Ion:180 Resp: 749403

Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

145 30.4 24.3 36.5

