

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111925\
 Data File : VV039405.D
 Acq On : 19 Nov 2025 10:37
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

Quant Time: Nov 20 03:22:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:21:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	261011	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	300097	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	178719	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	39056	1.089	ug/L	0.00
7) Chloroethane-d5	1.545	69	35587	1.346	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	17045	1.134	ug/L	0.00
20) 2-Butanone-d5	3.831	46	20791	4.291	ug/L	0.04
24) Chloroform-d	4.252	84	83489	1.492	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	31645	1.248	ug/L	0.01
32) Benzene-d6	4.963	84	130196	1.158	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	45384	1.103	ug/L	0.00
41) Toluene-d8	7.239	98	107713	1.079	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	13123	1.045	ug/L	0.02
46) 2-Hexanone-d5	8.027	63	27784	7.118	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.143	84	28181	1.124	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	36532	1.099	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	28565	0.853	ug/L	95
3) Chloromethane	1.227	50	22696	0.623	ug/L	99
5) Vinyl chloride	1.298	62	25027	0.709	ug/L	90
6) Bromomethane	1.503	94	14048	0.773	ug/L	99
8) Chloroethane	1.561	64	19601	0.896	ug/L	97
9) Trichlorofluoromethane	1.728	101	48648	0.992	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	32833	1.142	ug/L	99
12) 1,1-Dichloroethene	2.082	96	23152	0.905	ug/L	91
13) Acetone	2.130	43	44088	11.685	ug/L	100
14) Carbon disulfide	2.252	76	36890	0.462	ug/L #	95
15) Methyl Acetate	2.404	43	7854	0.816	ug/L #	88
16) Methylene chloride	2.458	84	32946	1.103	ug/L	97
17) Methyl tert-butyl Ether	2.709	73	46768	0.949	ug/L #	93
18) trans-1,2-Dichloroethene	2.706	96	22637	0.876	ug/L	95
19) 1,1-Dichloroethane	3.121	63	59270	1.094	ug/L	97
21) 2-Butanone	3.912	43	25137	4.624	ug/L	76
22) cis-1,2-Dichloroethene	3.825	96	27216	1.010	ug/L	93
23) Bromochloromethane	4.162	128	12494	1.026	ug/L	88
25) Chloroform	4.281	83	64562	1.175	ug/L	92
27) 1,2-Dichloroethane	5.053	62	28989	0.973	ug/L	99
29) 1,1,1-Trichloroethane	4.510	97	51044	1.001	ug/L	95
30) Cyclohexane	4.587	56	24279	0.564	ug/L	99
31) Carbon tetrachloride	4.731	117	49145	1.088	ug/L	100
33) Benzene	5.011	78	99001	0.854	ug/L	100
34) Trichloroethene	5.841	95	25170	0.850	ug/L	96
35) Methylcyclohexane	6.043	83	25920	0.583	ug/L	99
37) 1,2-Dichloropropane	6.095	63	28199	0.905	ug/L #	94
38) Bromodichloromethane	6.436	83	42358	1.022	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	30936	0.756	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	107435	7.593	ug/L #	93
42) Toluene	7.313	91	95186	0.804	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	27280	0.787	ug/L	96

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

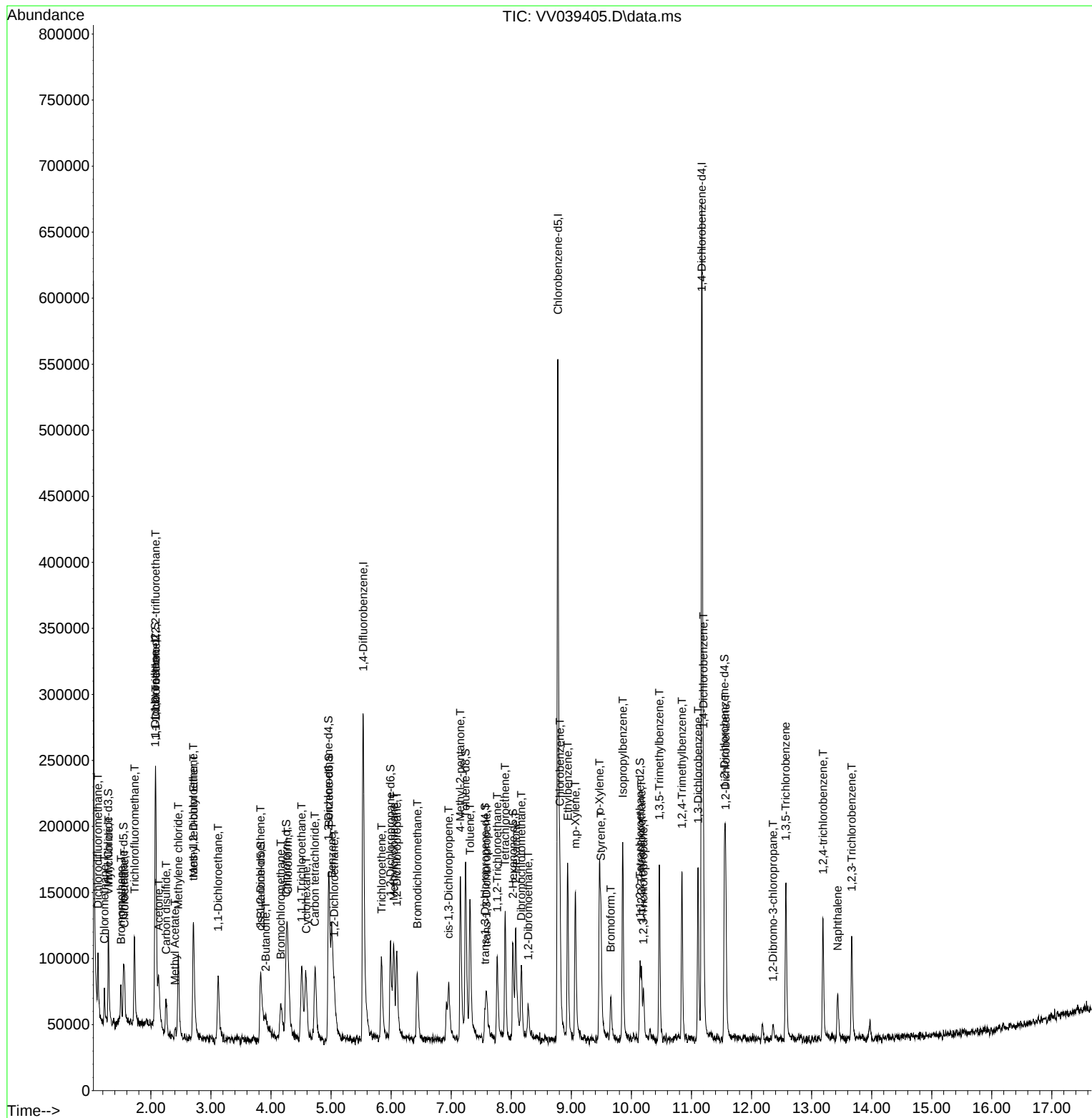
45) 1,1,2-Trichloroethane	7.767	97	22324	0.999	ug/L	95
47) Tetrachloroethene	7.899	164	24104	1.019	ug/L	95
48) 2-Hexanone	8.075	43	64323	6.659	ug/L	91
49) Dibromochloromethane	8.169	129	27935	1.103	ug/L	95
50) 1,2-Dibromoethane	8.281	107	18234	0.942	ug/L	95
51) Chlorobenzene	8.809	112	76608	0.974	ug/L	95
52) Ethylbenzene	8.940	91	99492	0.812	ug/L	98
53) m,p-Xylene	9.066	106	36248	0.781	ug/L	99
54) o-Xylene	9.471	106	35334	0.802	ug/L	90
55) Styrene	9.493	104	55605	0.732	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.169	83	26531	1.035	ug/L	99
59) Bromoform	9.657	173	17012	1.206	ug/L	99
60) Isopropylbenzene	9.857	105	98068	0.771	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	16917	0.936	ug/L	97
62) 1,3,5-Trimethylbenzene	10.464	105	73498	0.753	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	66706	0.683	ug/L	92
64) 1,3-Dichlorobenzene	11.111	146	59492	0.947	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	64611	0.978	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	54310	0.943	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	3171	0.809	ug/L #	69
69) 1,3,5-Trichlorobenzene	12.570	180	45186	1.080	ug/L	98
70) 1,2,4-trichlorobenzene	13.191	180	33278	1.011	ug/L	97
71) Naphthalene	13.432	128	36720	0.727	ug/L	97
72) 1,2,3-Trichlorobenzene	13.667	180	28270	0.948	ug/L	96

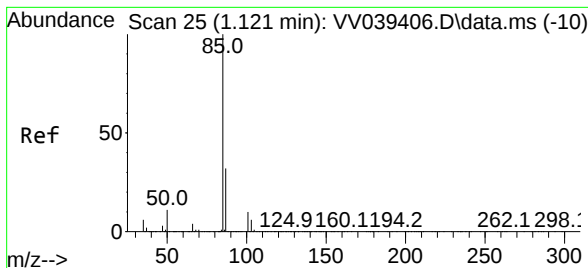
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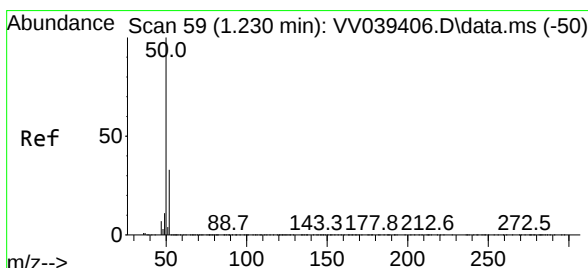
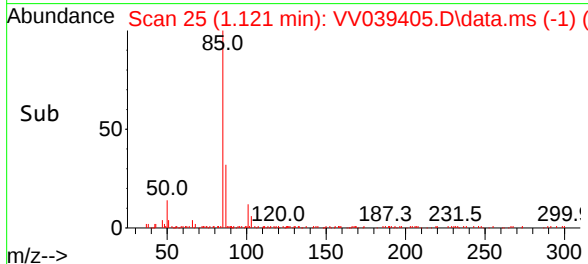
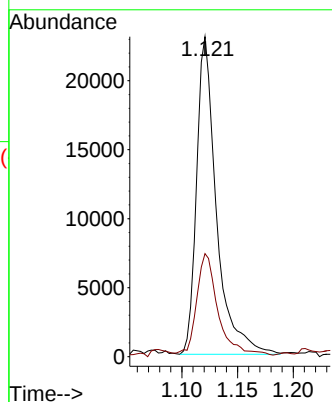
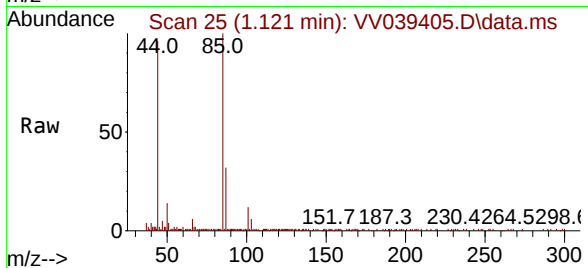




#2
 Dichlorodifluoromethane
 Concen: 0.853 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

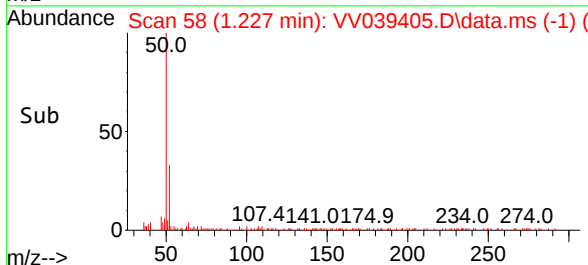
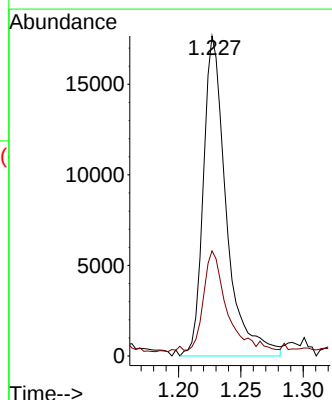
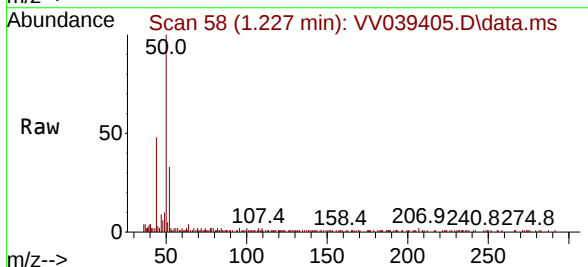
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

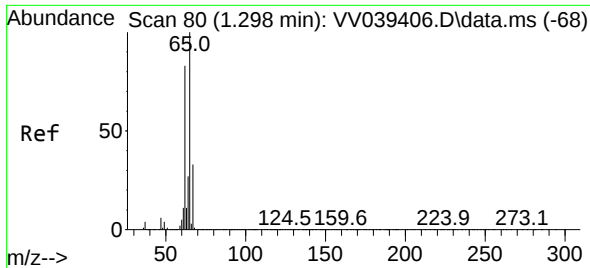
Tgt Ion: 85 Resp: 28565
 Ion Ratio Lower Upper
 85 100
 87 35.0 25.8 38.8



#3
 Chloromethane
 Concen: 0.623 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. -0.003 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

Tgt Ion: 50 Resp: 22696
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.2 43.2

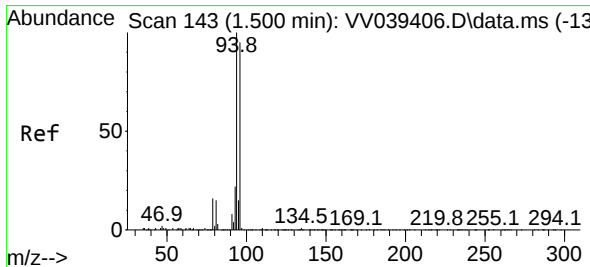
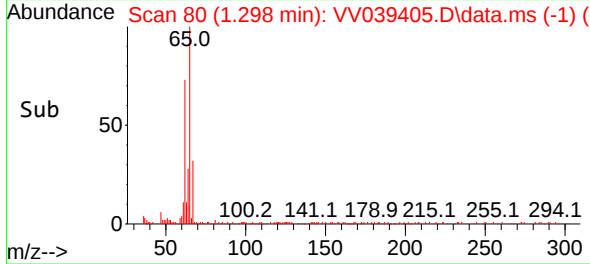
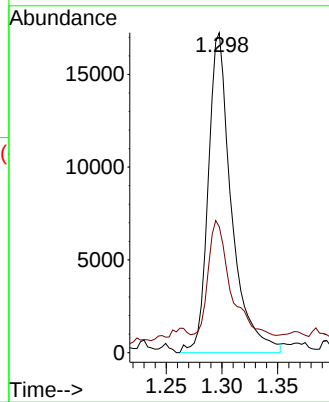
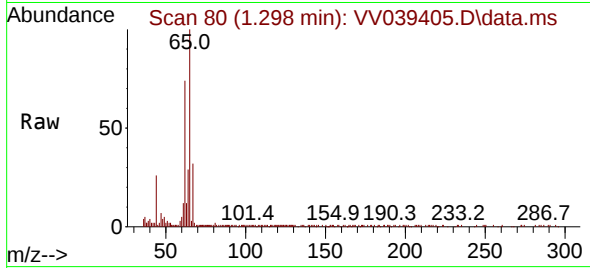




#5
 Vinyl chloride
 Concen: 0.709 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

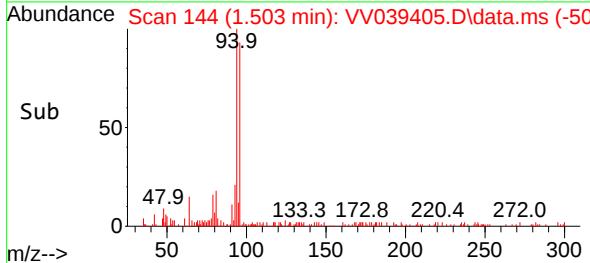
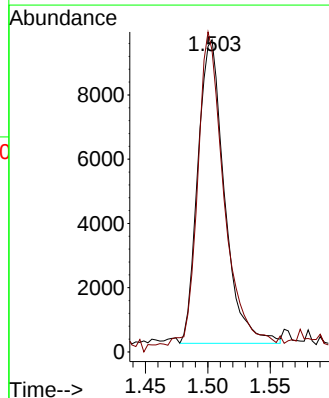
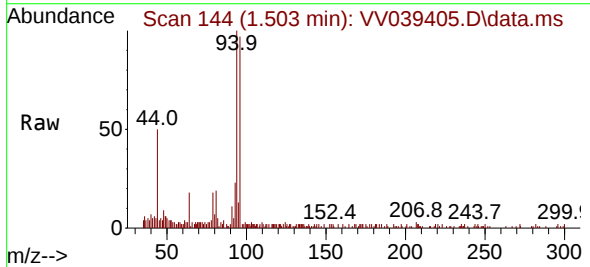
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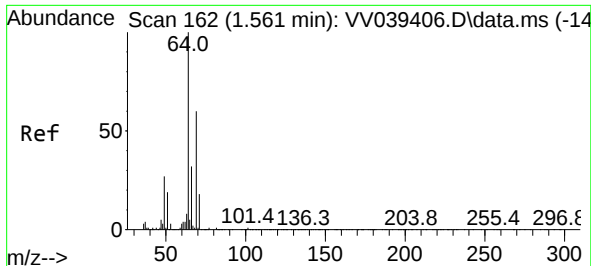
Tgt Ion: 62 Resp: 25027
 Ion Ratio Lower Upper
 62 100
 64 39.4 23.7 44.1



#6
 Bromomethane
 Concen: 0.773 ug/L
 RT: 1.503 min Scan# 144
 Delta R.T. 0.003 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

Tgt Ion: 94 Resp: 14048
 Ion Ratio Lower Upper
 94 100
 96 96.6 67.2 124.8

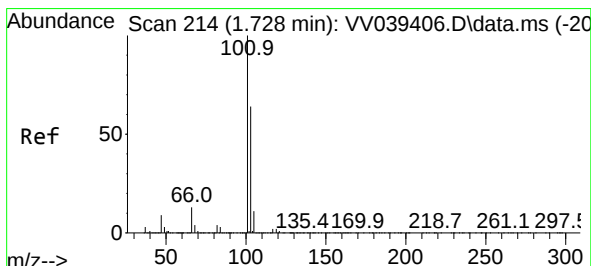
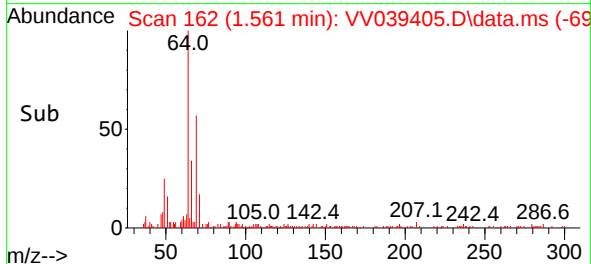
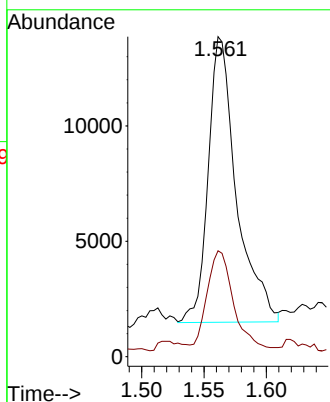
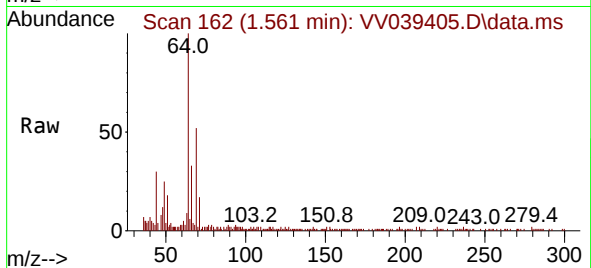




#8
Chloroethane
Concen: 0.896 ug/L
RT: 1.561 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

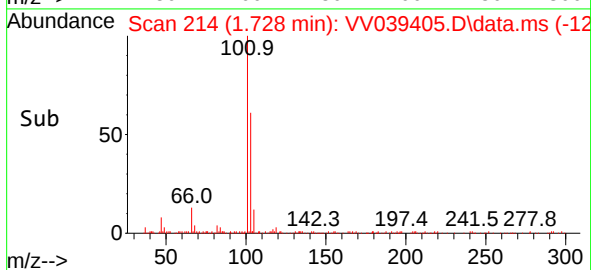
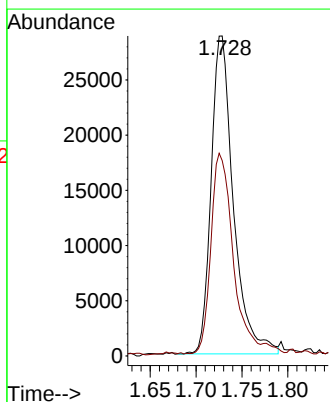
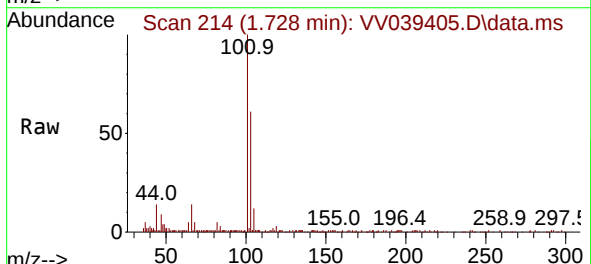
Instrument :
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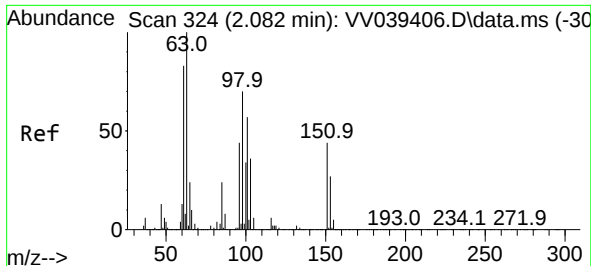
Tgt Ion: 64 Resp: 19601
Ion Ratio Lower Upper
64 100
66 33.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 0.992 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 101 Resp: 48648
Ion Ratio Lower Upper
101 100
103 61.9 51.4 77.2





#10

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

Concen: 1.142 ug/L

RT: 2.079 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

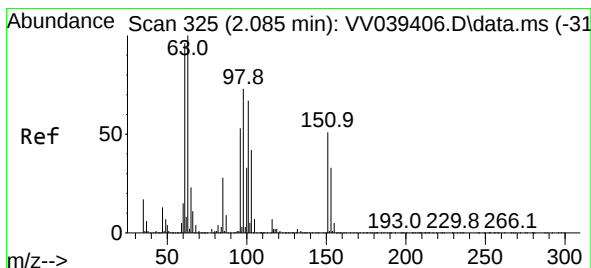
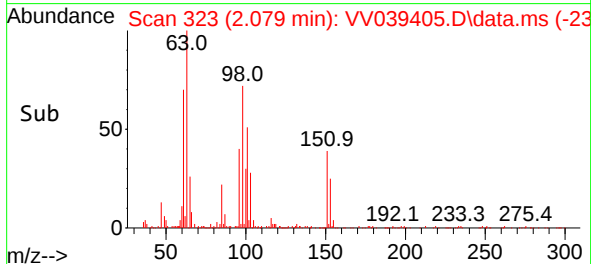
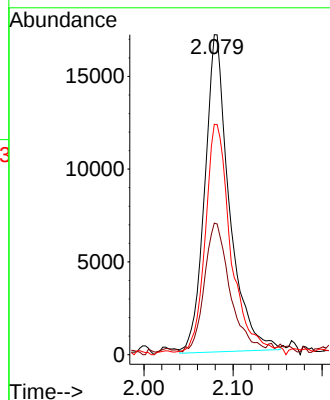
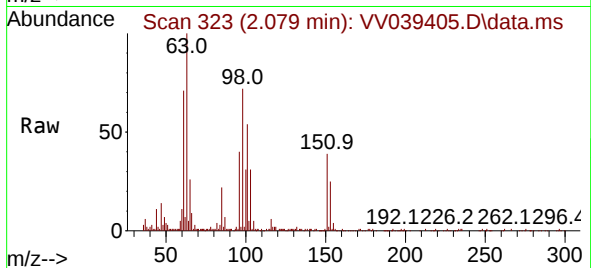
Tgt Ion:101 Resp: 32833

Ion Ratio Lower Upper

101 100

85 42.3 34.0 51.0

151 77.3 62.3 93.5



#12

1,1-Dichloroethene

Concen: 0.905 ug/L

RT: 2.082 min Scan# 324

Delta R.T. -0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

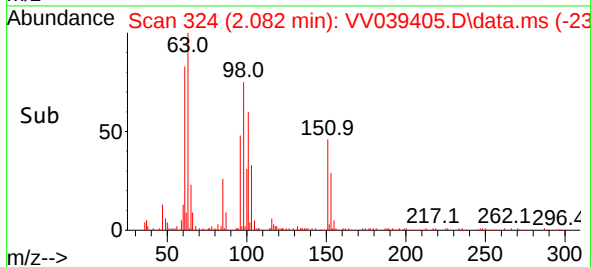
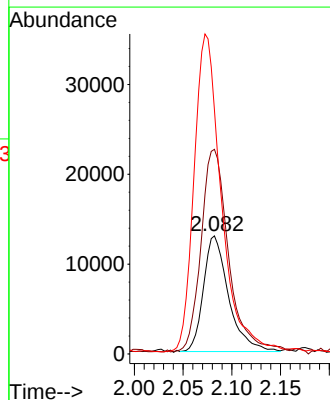
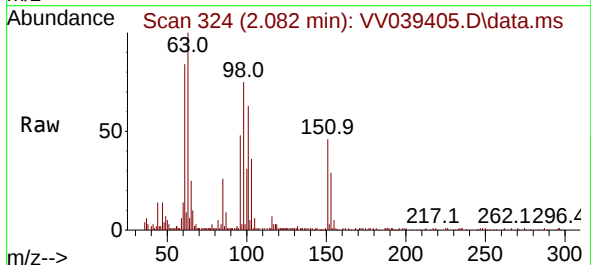
Tgt Ion: 96 Resp: 23152

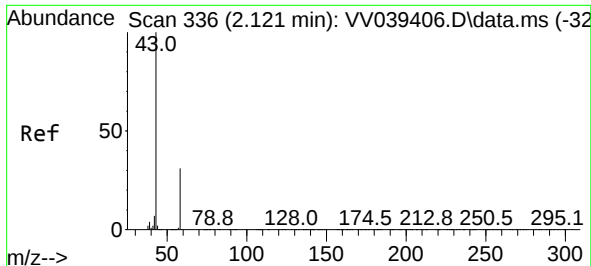
Ion Ratio Lower Upper

96 100

61 173.2 127.7 237.1

63 206.5 132.6 246.2

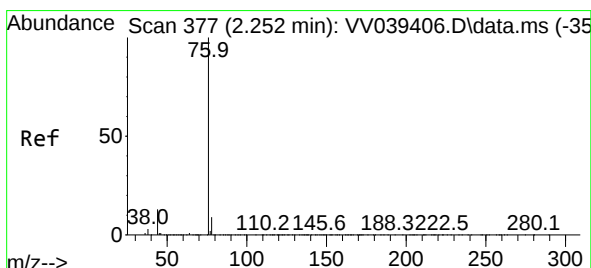
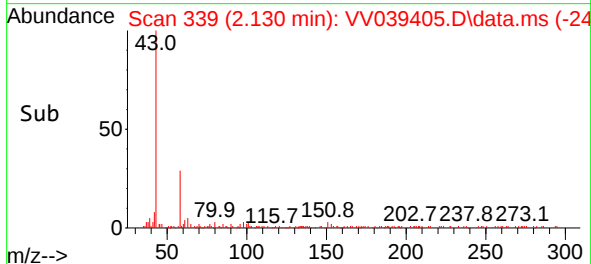
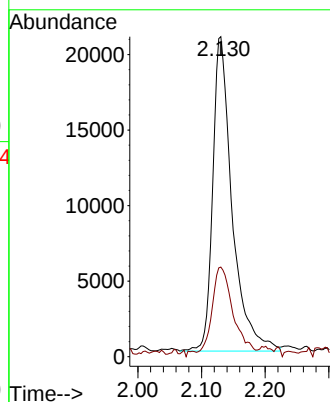
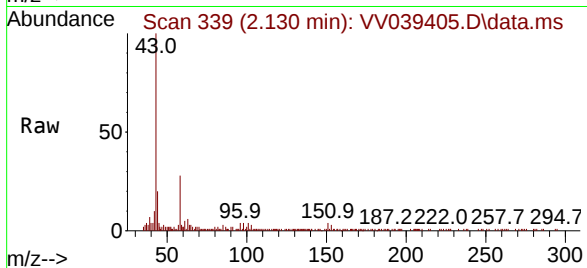




#13
Acetone
Concen: 11.685 ug/L
RT: 2.130 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

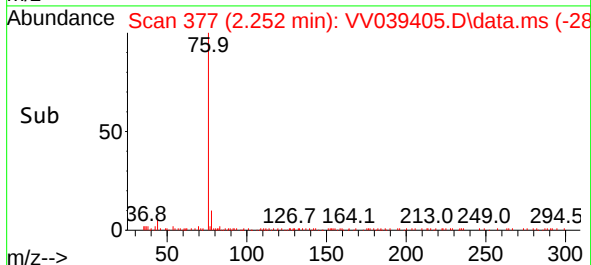
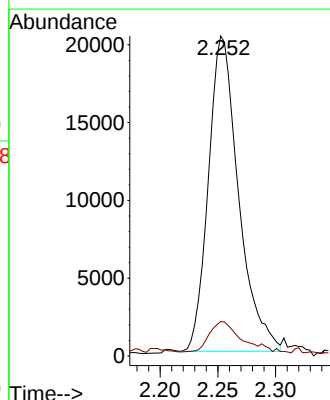
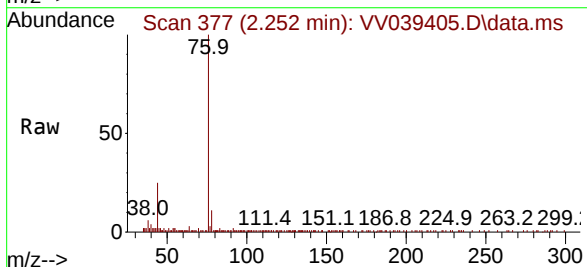
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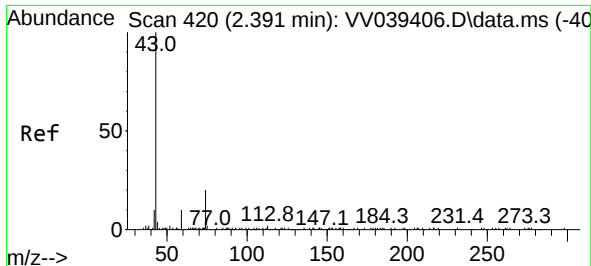
Tgt Ion: 43 Resp: 44088
Ion Ratio Lower Upper
43 100
58 29.9 0.0 60.0



#14
Carbon disulfide
Concen: 0.462 ug/L
RT: 2.252 min Scan# 377
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 76 Resp: 36890
Ion Ratio Lower Upper
76 100
78 10.7 7.1 10.7#

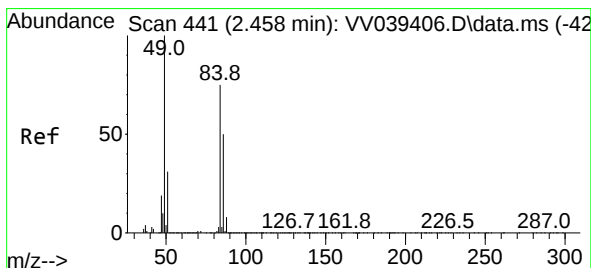
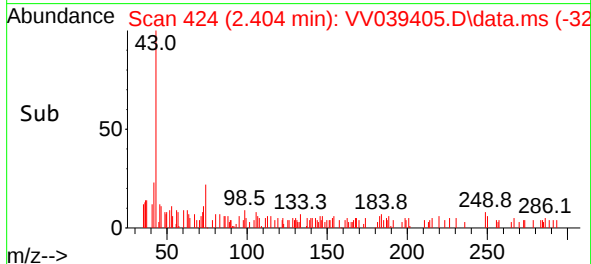
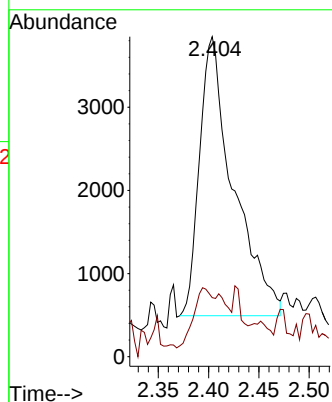
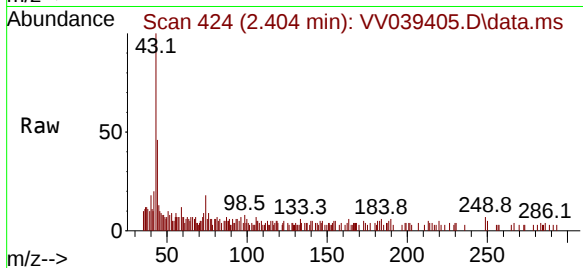




#15
Methyl Acetate
Concen: 0.816 ug/L
RT: 2.404 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

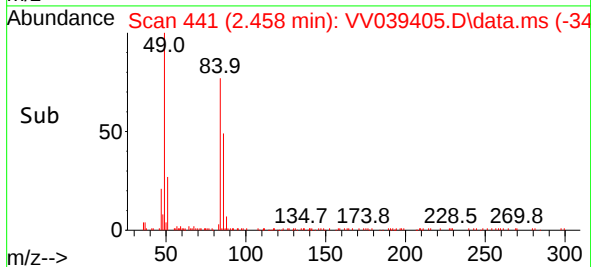
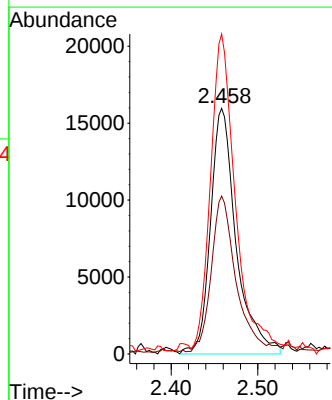
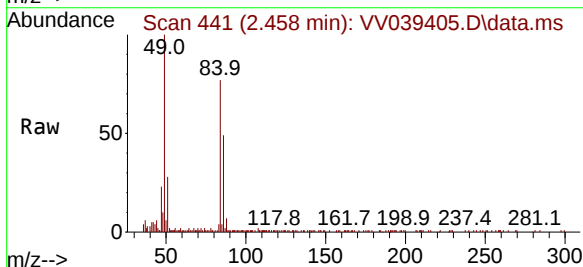
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

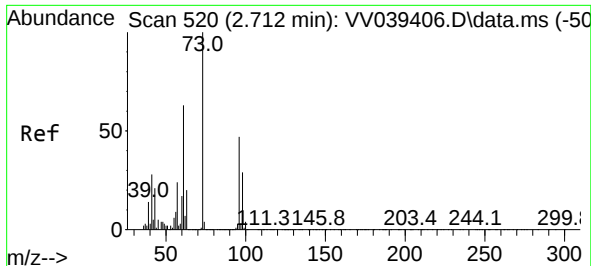
Tgt Ion: 43 Resp: 7854
Ion Ratio Lower Upper
43 100
74 12.9 14.5 21.7#



#16
Methylene chloride
Concen: 1.103 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 84 Resp: 32946
Ion Ratio Lower Upper
84 100
86 64.3 46.8 87.0
49 130.3 93.0 172.8

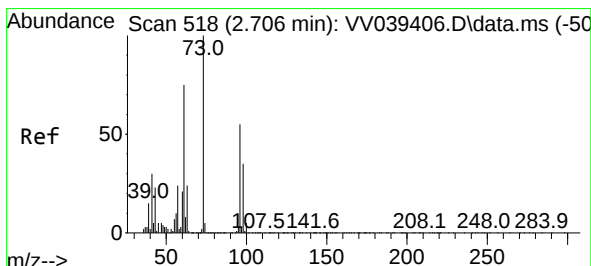
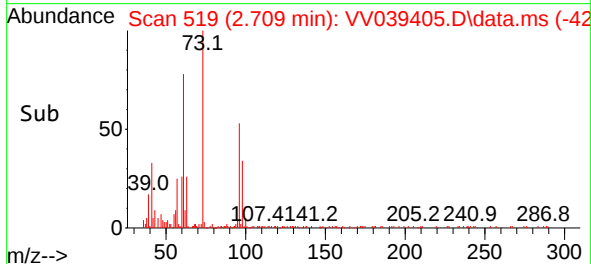
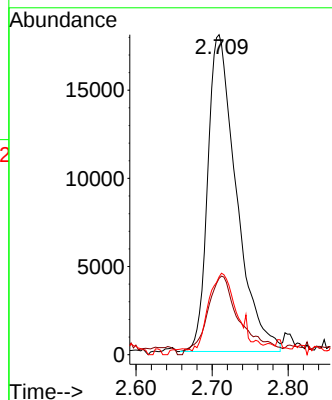
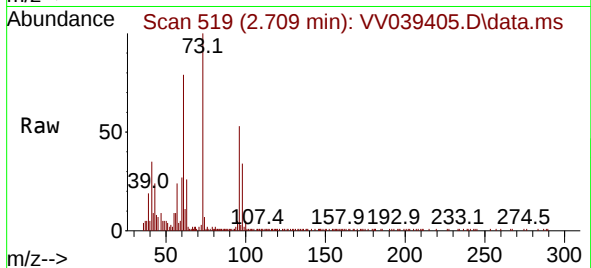




#17
Methyl tert-butyl Ether
Concen: 0.949 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

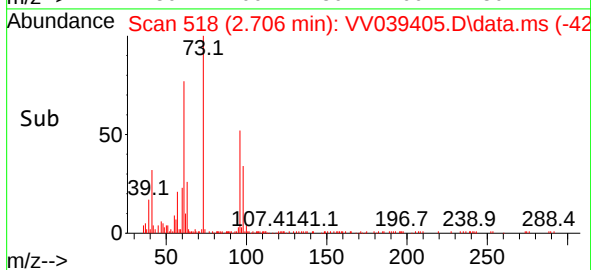
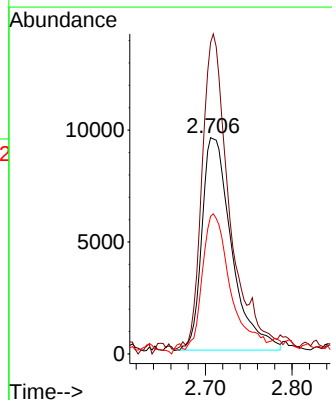
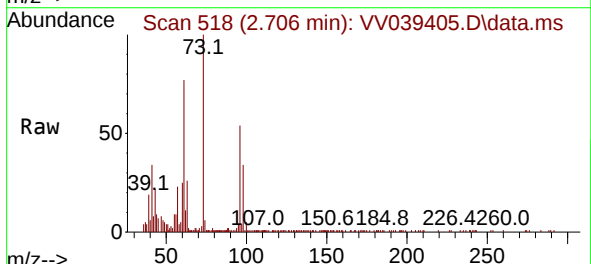
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

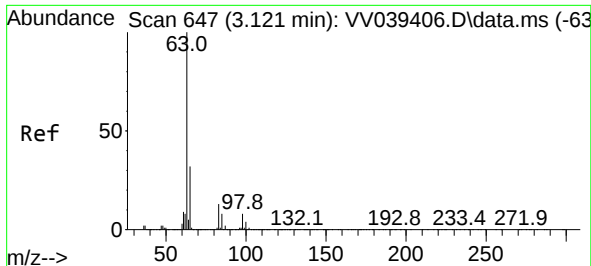
Tgt Ion: 73 Resp: 46768
Ion Ratio Lower Upper
73 100
43 28.9 17.4 26.2#
57 23.6 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 0.876 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 96 Resp: 22637
Ion Ratio Lower Upper
96 100
61 144.0 94.7 175.9
98 63.6 44.2 82.0

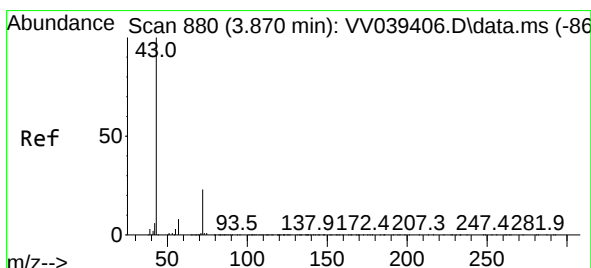
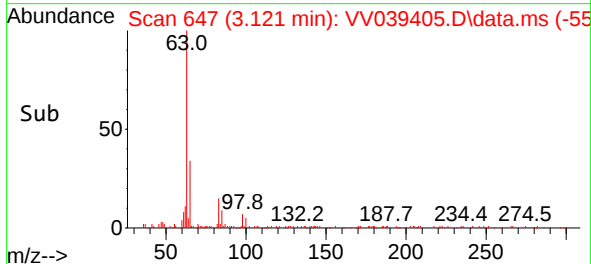
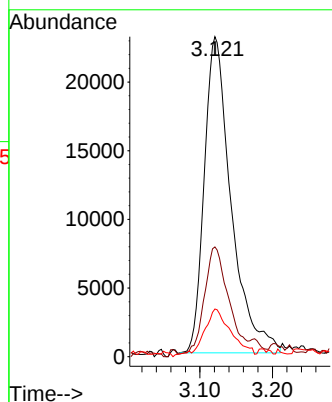
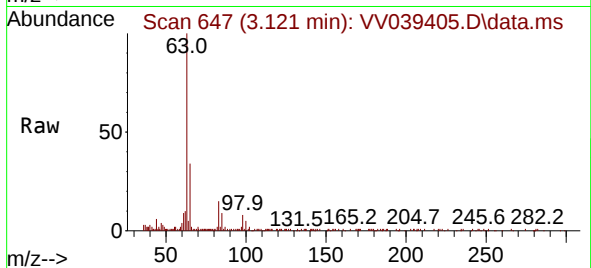




#19
1,1-Dichloroethane
Concen: 1.094 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

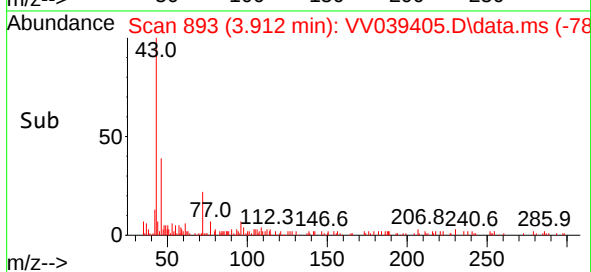
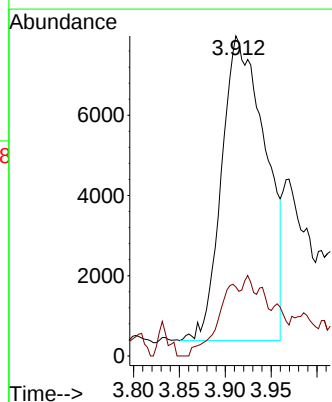
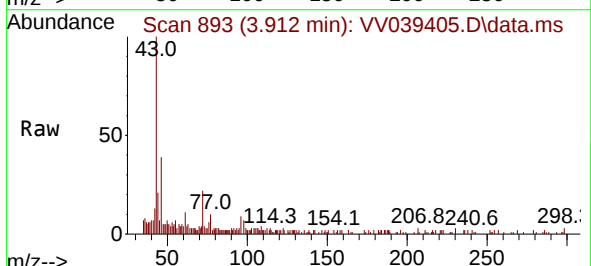
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

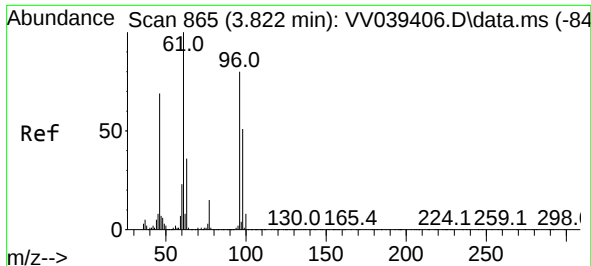
Tgt Ion:	63	Resp:	59270
Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.9	42.5
83	14.9	9.2	17.2



#21
2-Butanone
Concen: 4.624 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.042 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:	43	Resp:	25137
Ion	Ratio	Lower	Upper
43	100		
72	11.8	11.7	35.0

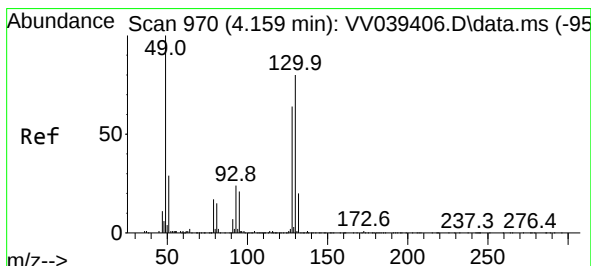
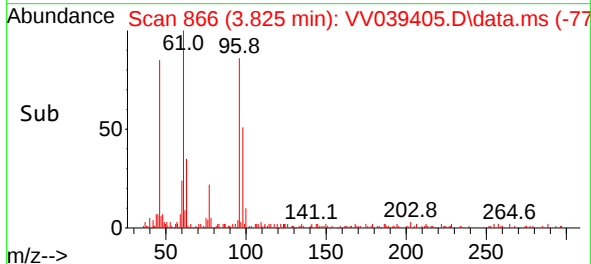
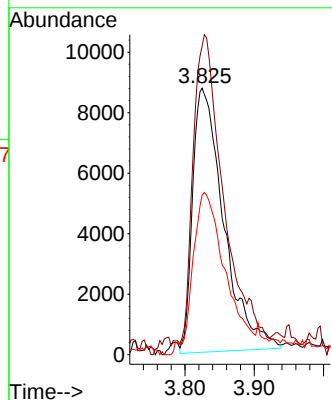
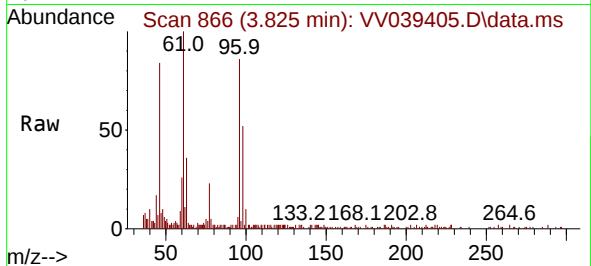




#22
cis-1,2-Dichloroethene
Concen: 1.010 ug/L
RT: 3.825 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

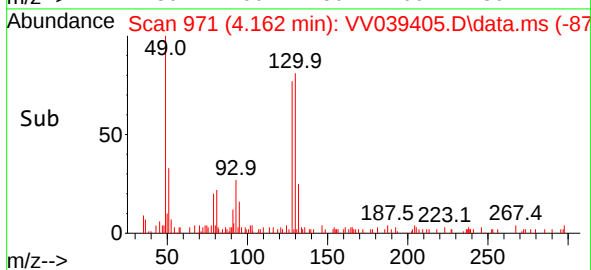
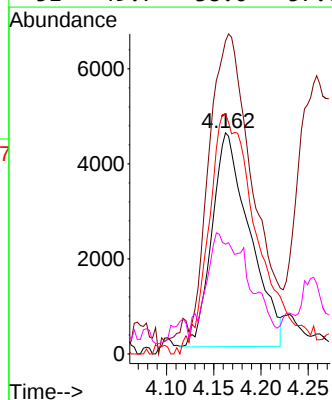
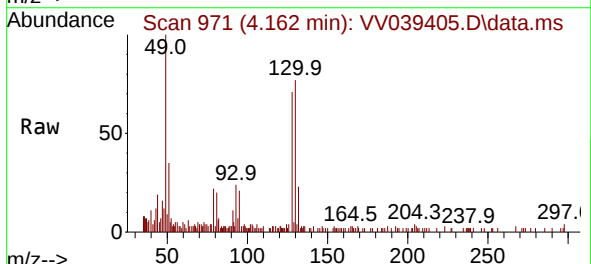
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

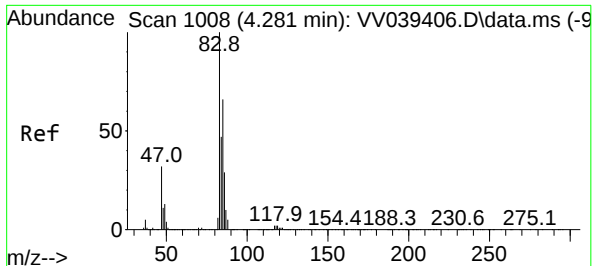
Tgt Ion: 96 Resp: 27216
Ion Ratio Lower Upper
96 100
61 115.8 87.1 161.7
98 59.8 44.7 83.1



#23
Bromochloromethane
Concen: 1.026 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 128 Resp: 12494
Ion Ratio Lower Upper
128 100
49 141.5 110.7 205.5
130 108.4 88.2 163.8
51 49.7 38.0 57.0

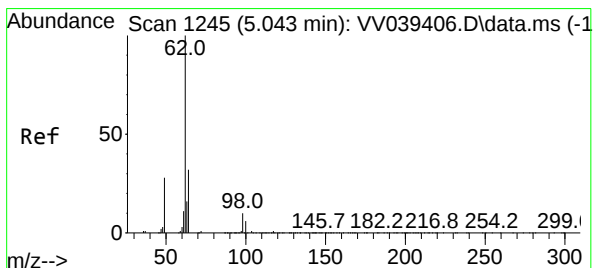
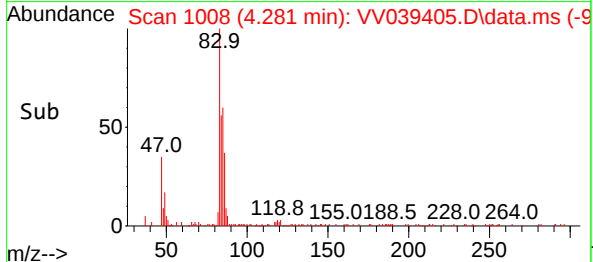
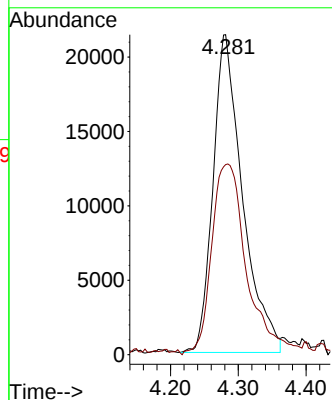
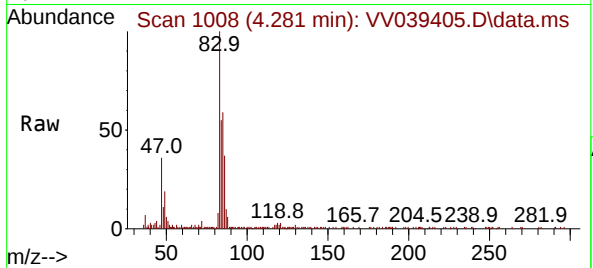




#25
Chloroform
Concen: 1.175 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

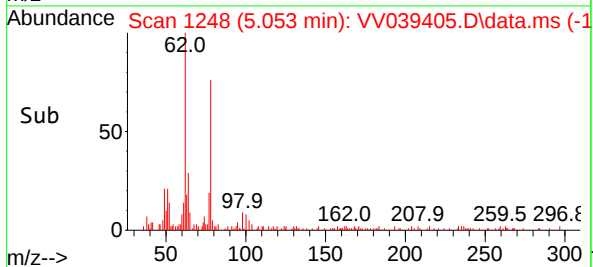
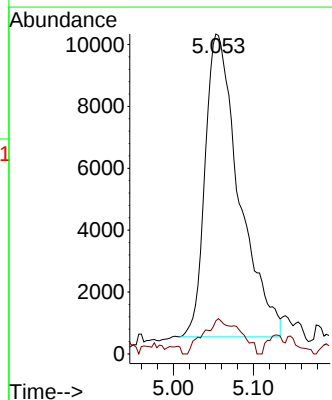
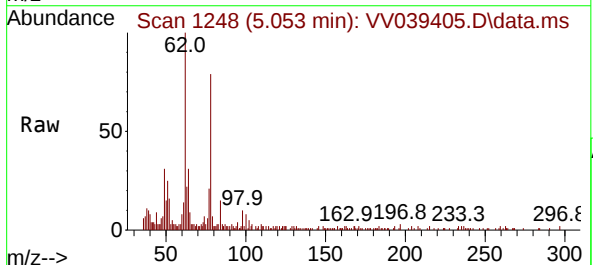
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

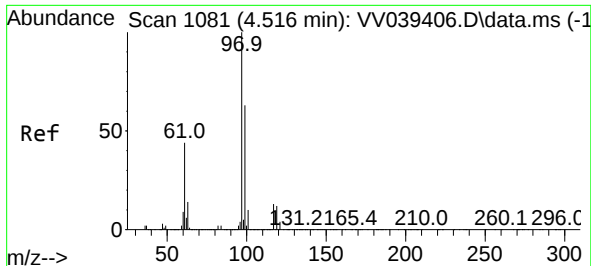
Tgt Ion: 83 Resp: 64562
Ion Ratio Lower Upper
83 100
85 59.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 0.973 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.010 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 62 Resp: 28989
Ion Ratio Lower Upper
62 100
98 10.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 1.001 ug/L

RT: 4.510 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

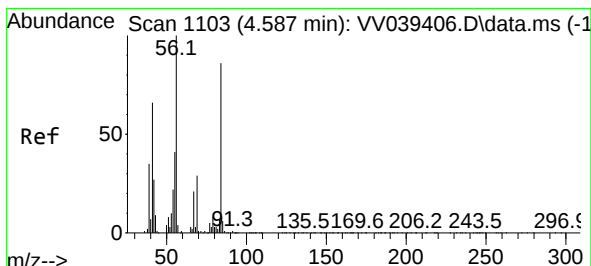
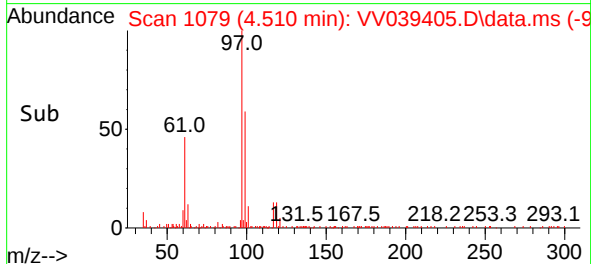
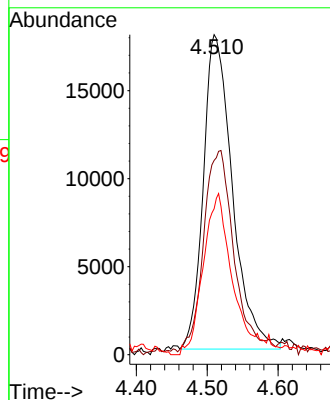
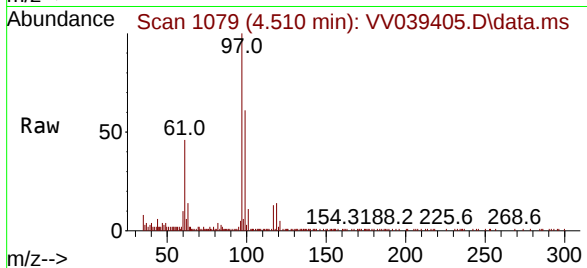
Tgt Ion: 97 Resp: 51044

Ion Ratio Lower Upper

97 100

99 65.5 51.1 76.7

61 51.2 36.6 55.0



#30

Cyclohexane

Concen: 0.564 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

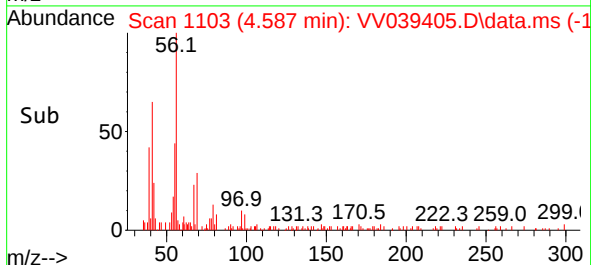
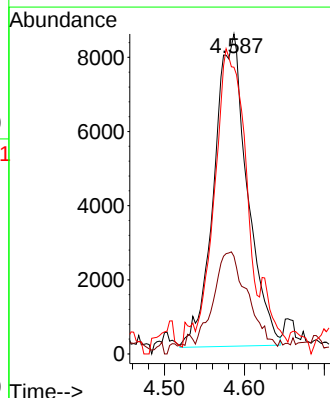
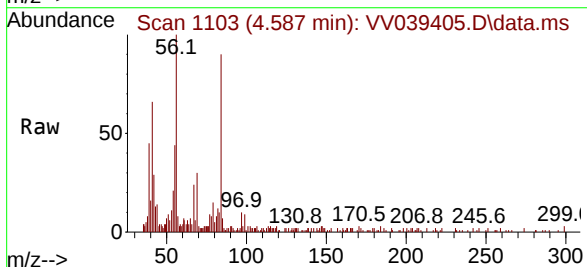
Tgt Ion: 56 Resp: 24279

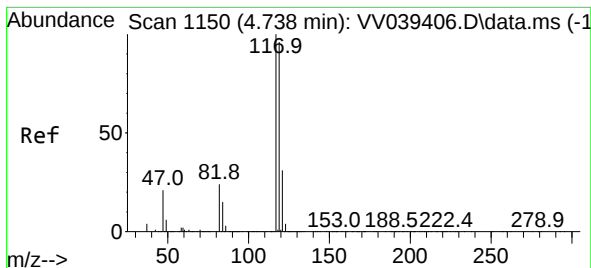
Ion Ratio Lower Upper

56 100

69 30.3 23.7 35.5

84 89.4 72.6 109.0





#31

Carbon tetrachloride

Concen: 1.088 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

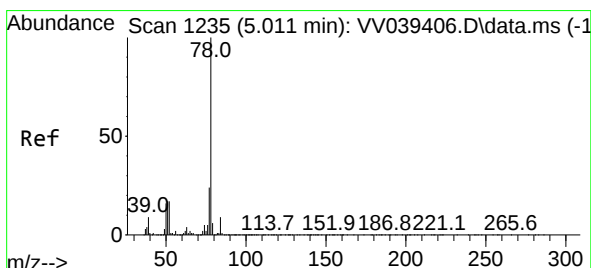
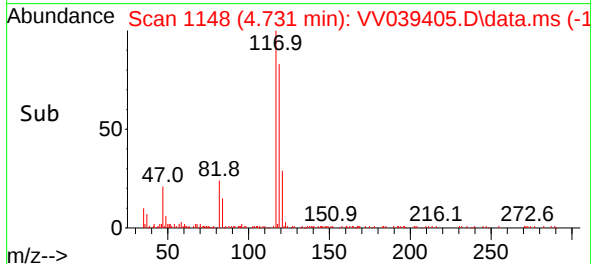
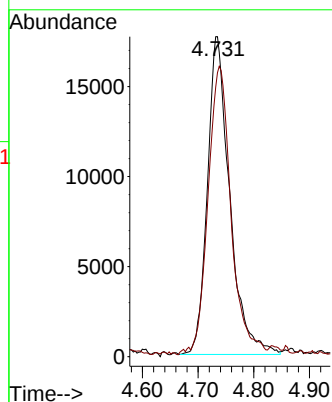
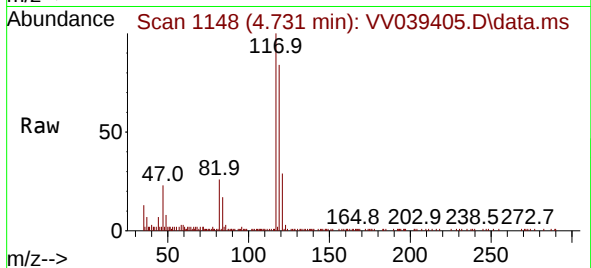
VSTD001261

Tgt Ion:117 Resp: 49145

Ion Ratio Lower Upper

117 100

119 93.9 75.4 113.2



#33

Benzene

Concen: 0.854 ug/L

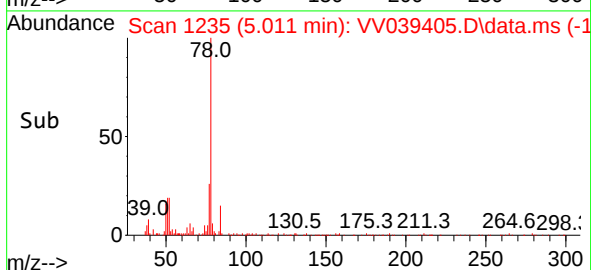
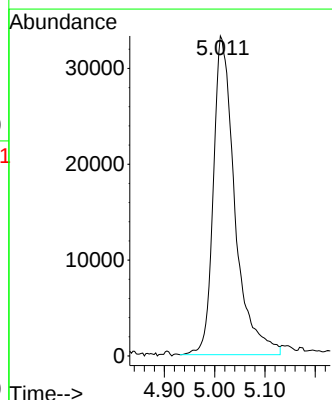
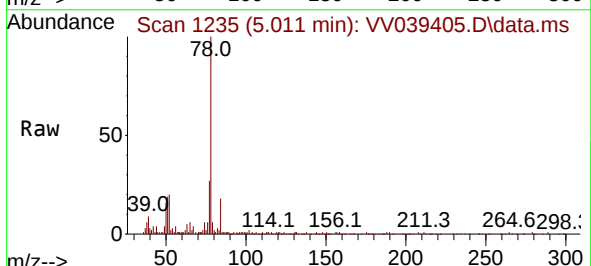
RT: 5.011 min Scan# 1235

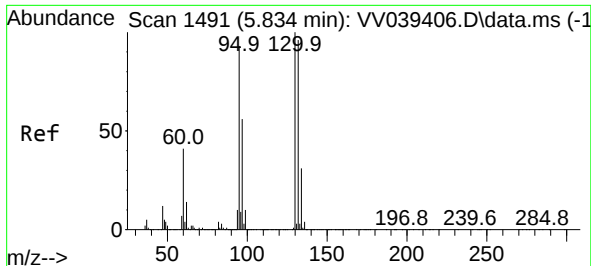
Delta R.T. 0.000 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Tgt Ion: 78 Resp: 99001

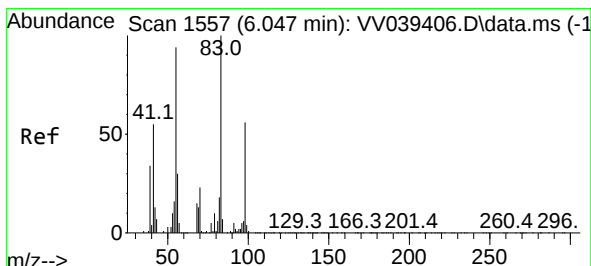
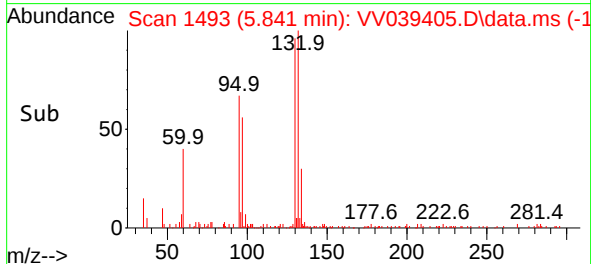
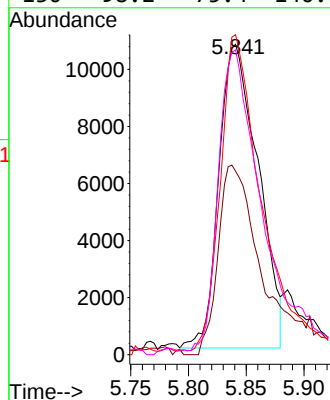
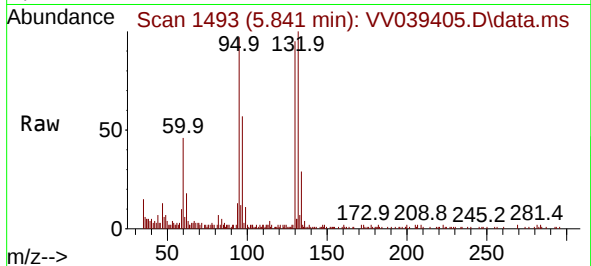




#34
Trichloroethene
Concen: 0.850 ug/L
RT: 5.841 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

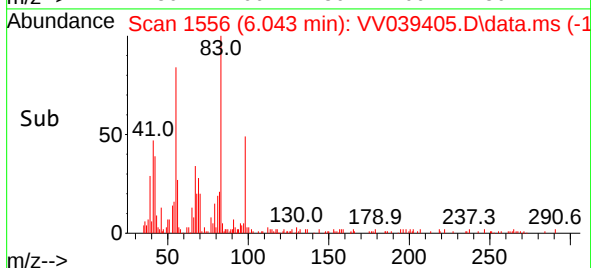
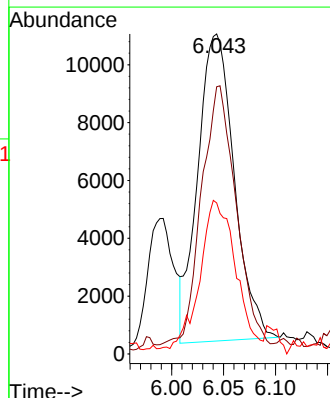
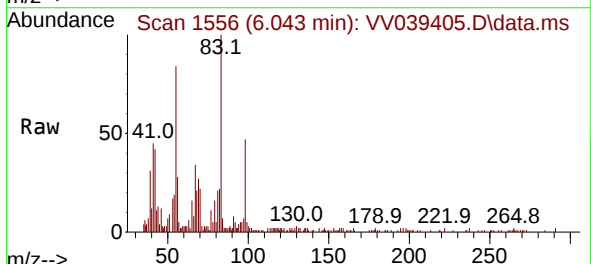
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

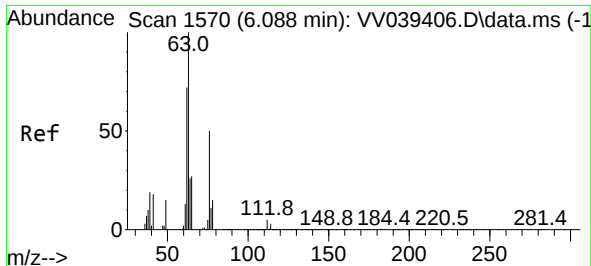
Tgt Ion:	95	Resp:	25170
Ion	Ratio	Lower	Upper
95	100		
97	59.1	42.7	79.3
132	103.1	72.0	133.6
130	98.2	75.4	140.0



#35
Methylcyclohexane
Concen: 0.583 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:	83	Resp:	25920
Ion	Ratio	Lower	Upper
83	100		
55	81.3	64.0	96.0
98	46.4	37.0	55.4

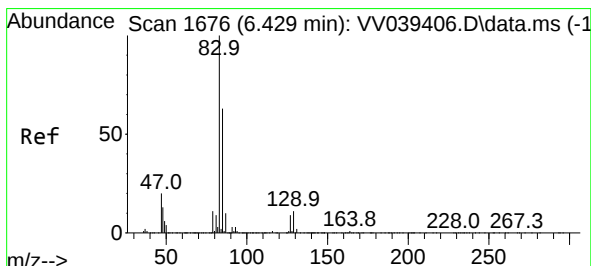
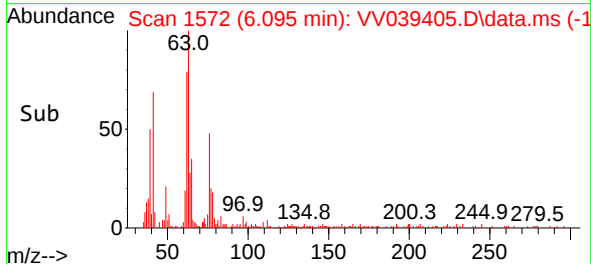
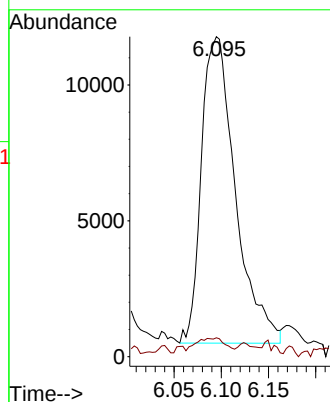
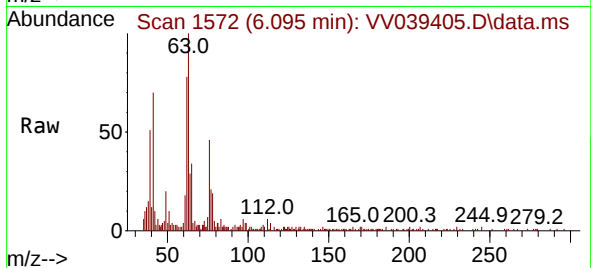




#37
1,2-Dichloropropane
Concen: 0.905 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

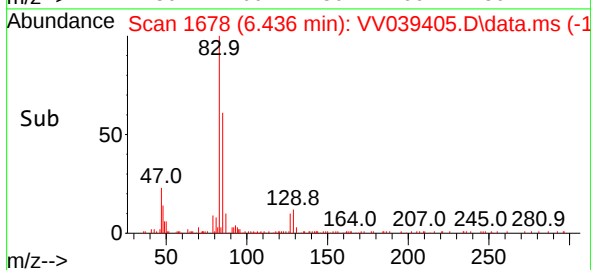
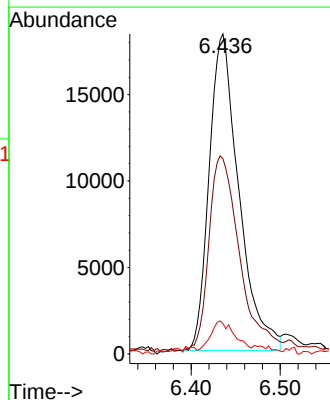
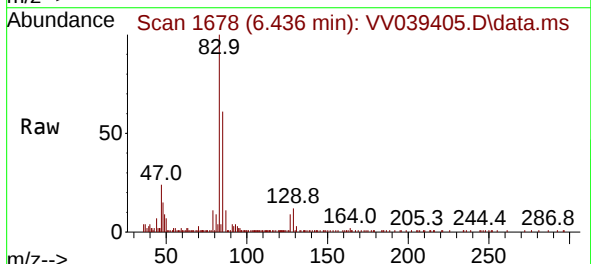
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

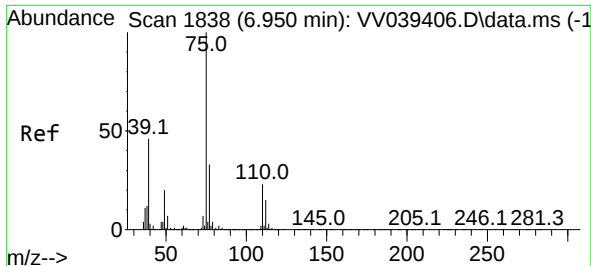
Tgt Ion: 63 Resp: 28199
Ion Ratio Lower Upper
63 100
112 3.7 4.4 6.6#



#38
Bromodichloromethane
Concen: 1.022 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 83 Resp: 42358
Ion Ratio Lower Upper
83 100
85 61.0 43.8 81.4
127 9.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

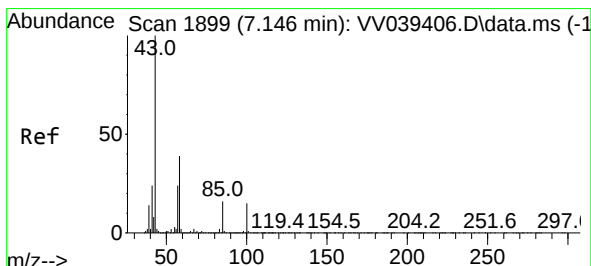
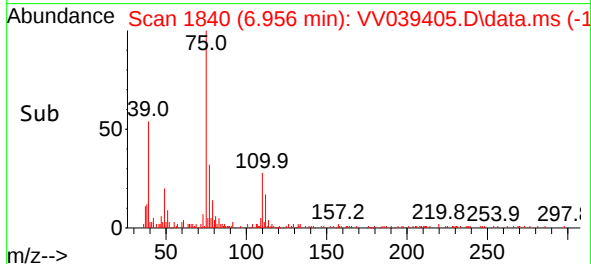
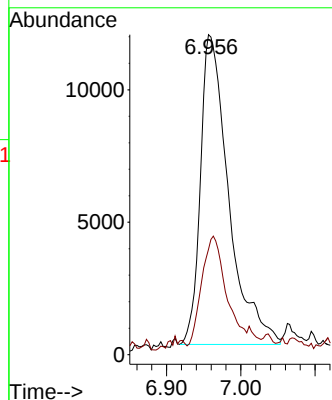
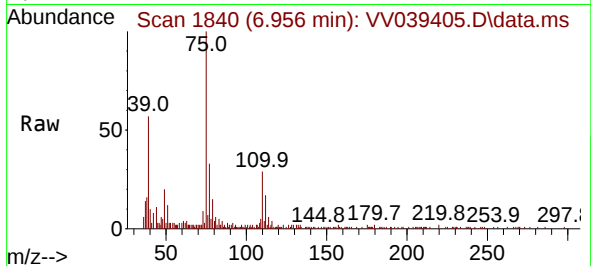
VSTD001261

Tgt Ion: 75 Resp: 30936

Ion Ratio Lower Upper

75 100

77 32.9 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 7.593 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

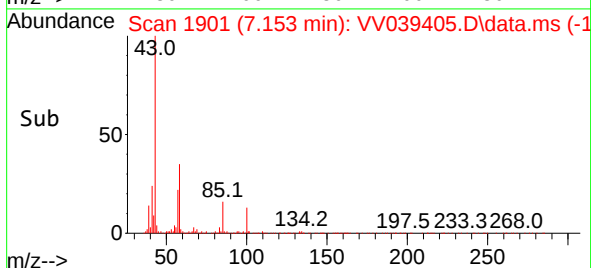
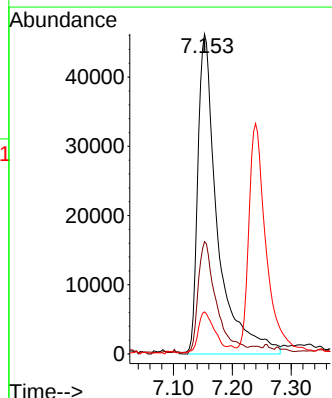
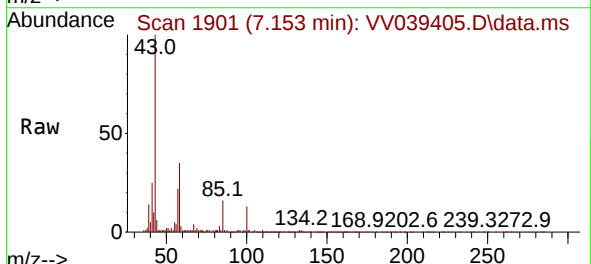
Tgt Ion: 43 Resp: 107435

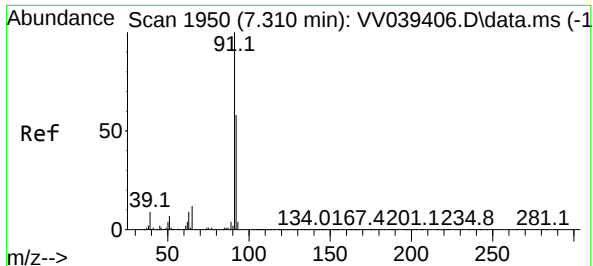
Ion Ratio Lower Upper

43 100

58 32.9 29.6 44.4

100 10.7 11.4 17.0

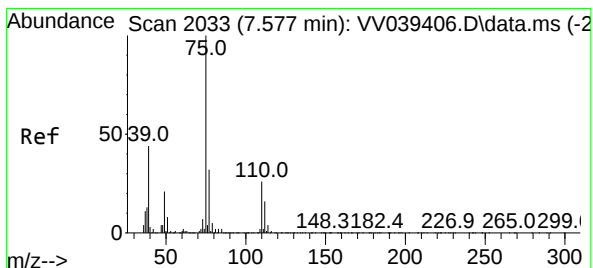
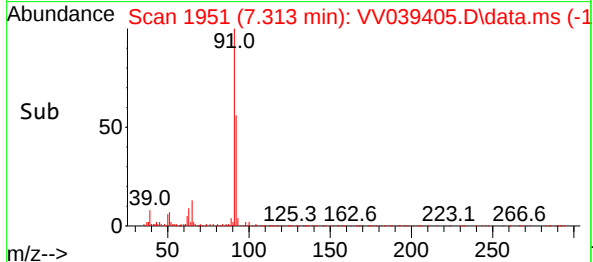
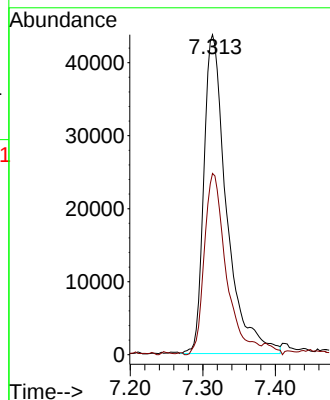
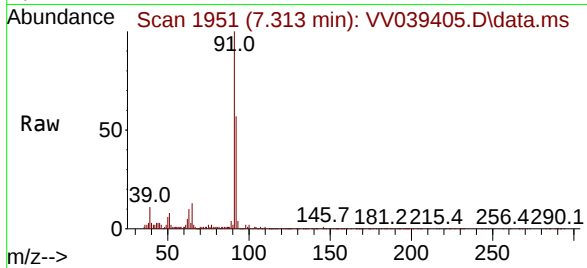




#42
Toluene
Concen: 0.804 ug/L
RT: 7.313 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

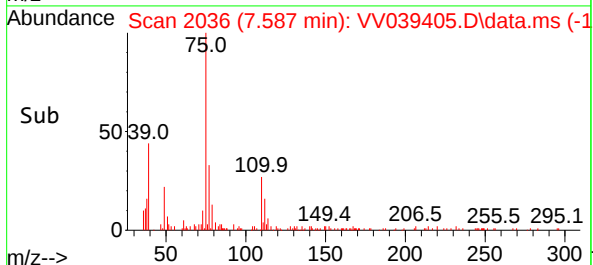
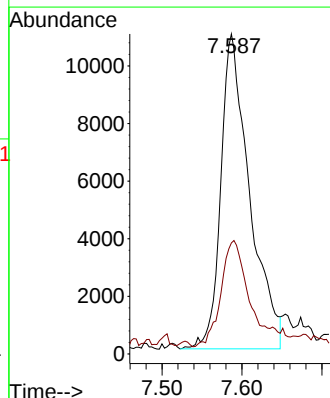
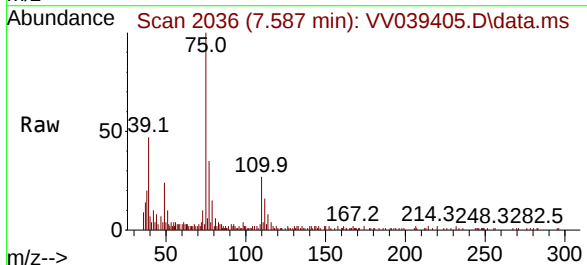
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

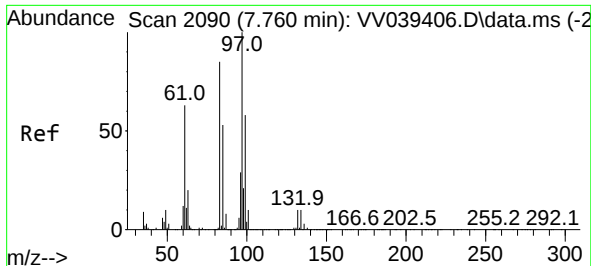
Tgt Ion: 91 Resp: 95186
Ion Ratio Lower Upper
91 100
92 56.7 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 0.787 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.010 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 75 Resp: 27280
Ion Ratio Lower Upper
75 100
77 34.7 22.9 42.5

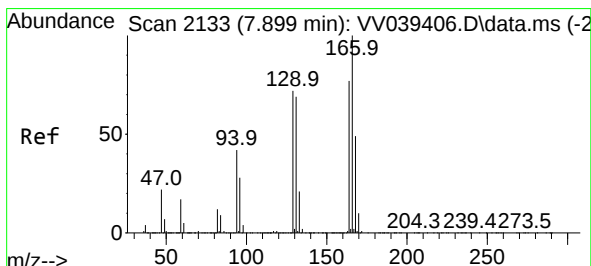
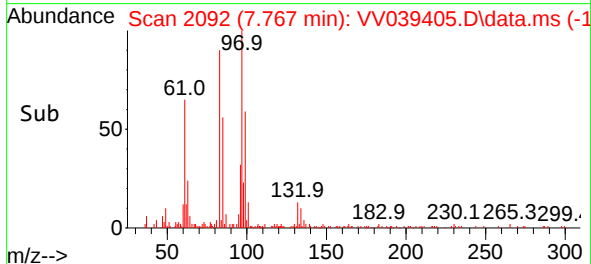
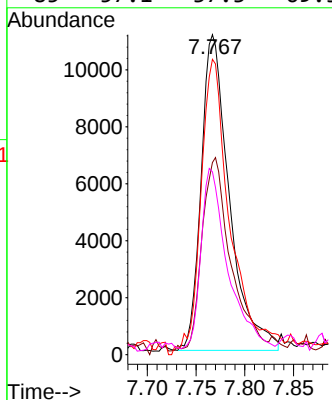
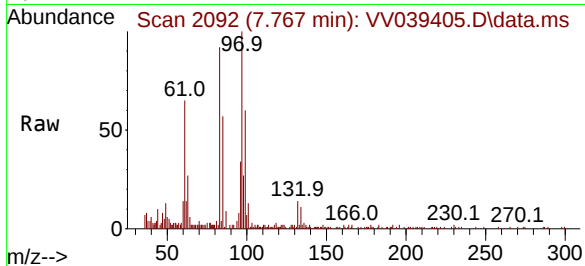




#45
1,1,2-Trichloroethane
Concen: 0.999 ug/L
RT: 7.767 min Scan# 2090
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

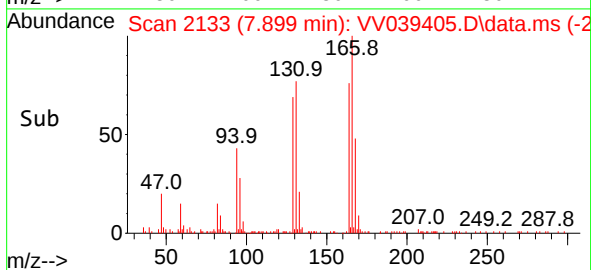
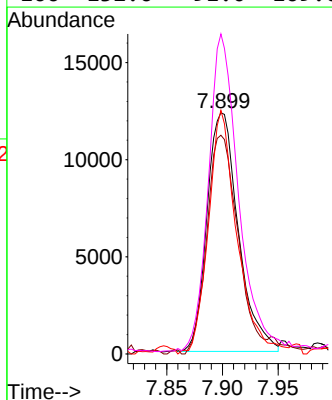
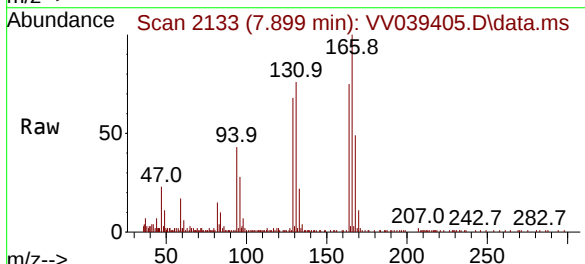
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

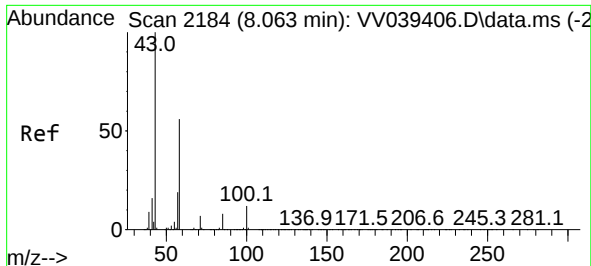
Tgt Ion: 97	Resp: 22324
Ion Ratio	Lower Upper
97 100	
99 60.0	40.8 75.8
83 92.3	59.8 111.1
85 57.1	37.3 69.3



#47
Tetrachloroethene
Concen: 1.019 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt	Ion:164	Resp:	24104
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.8	122.2
131	101.0	62.6	116.2
166	132.6	91.0	169.0

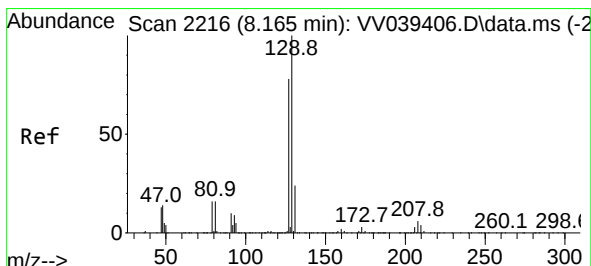
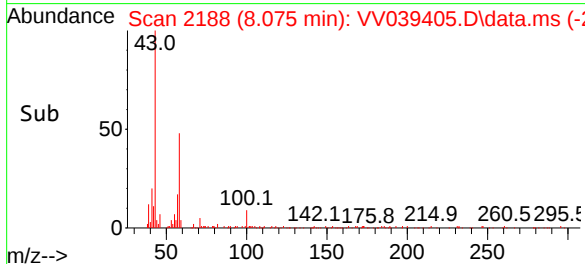
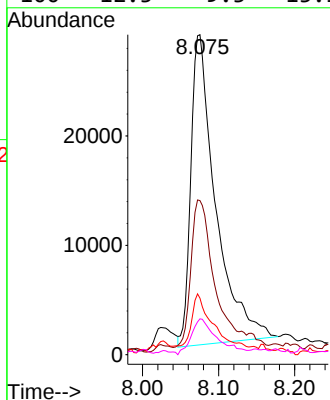
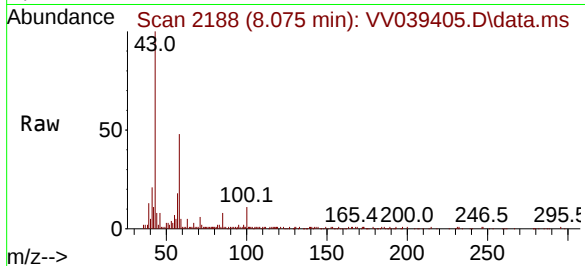




#48
2-Hexanone
Concen: 6.659 ug/L
RT: 8.075 min Scan# 2184
Delta R.T. 0.013 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

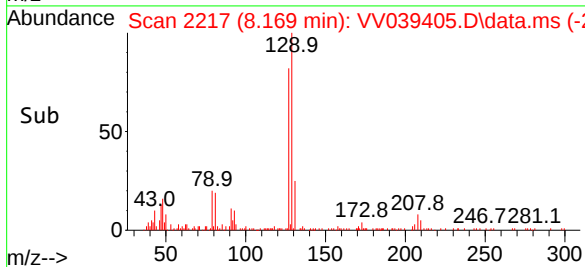
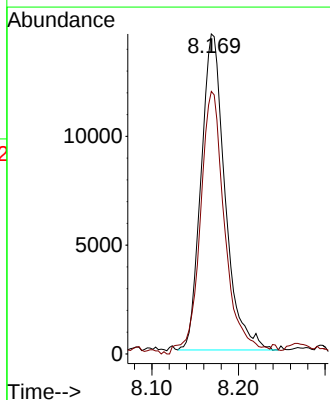
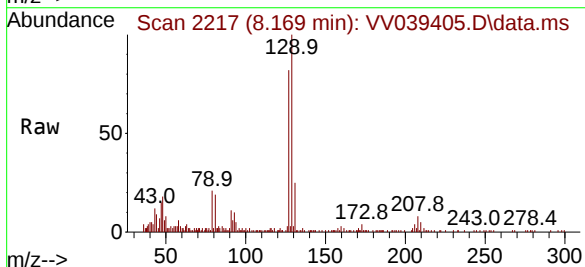
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

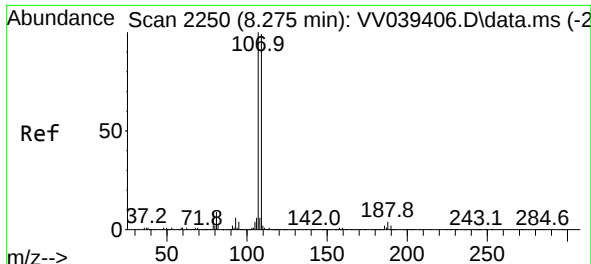
Tgt Ion: 43	Resp: 64323
Ion Ratio	Lower Upper
43 100	
58 44.9	43.4 65.2
57 17.6	15.0 22.6
100 12.3	9.3 13.9



#49
Dibromochloromethane
Concen: 1.103 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:129	Resp: 27935		
Ion Ratio	Lower	Upper	
129 100			
127 82.0	54.6	101.4	





#50

1,2-Dibromoethane

Concen: 0.942 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

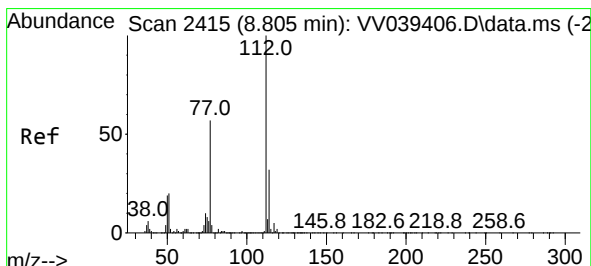
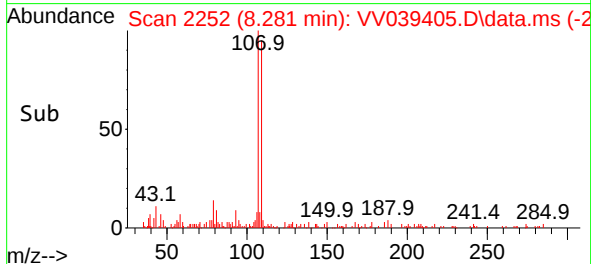
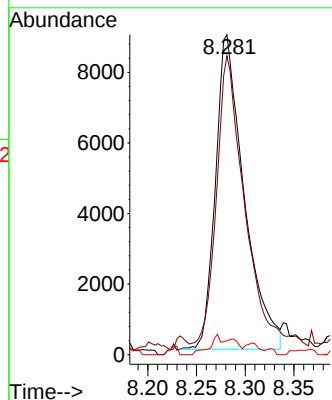
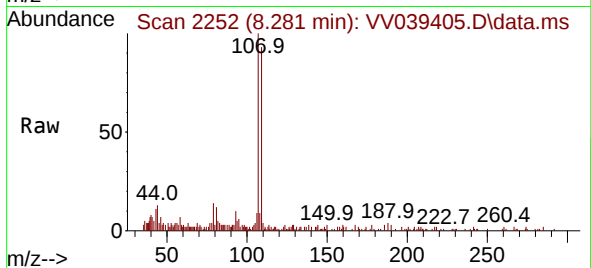
Tgt Ion:107 Resp: 18234

Ion Ratio Lower Upper

107 100

109 93.4 69.1 128.3

188 4.3 3.6 5.4



#51

Chlorobenzene

Concen: 0.974 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

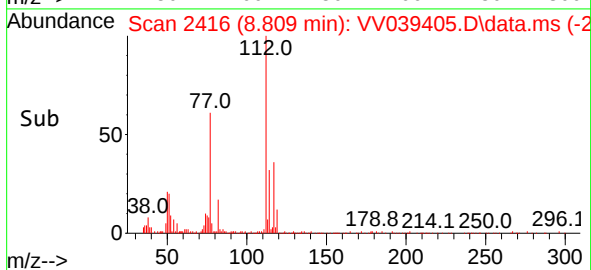
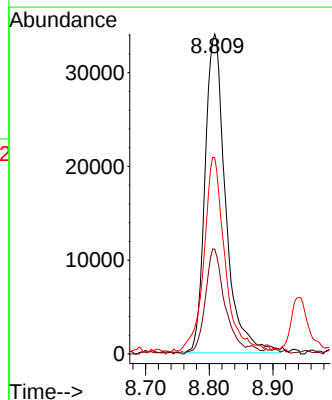
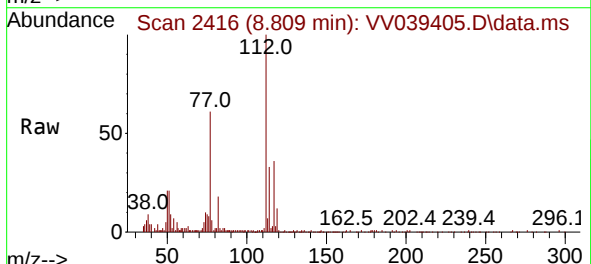
Tgt Ion:112 Resp: 76608

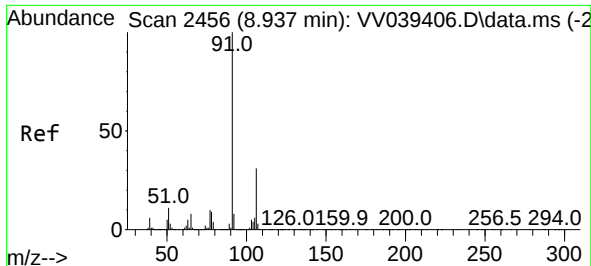
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.3

77 61.3 45.3 67.9

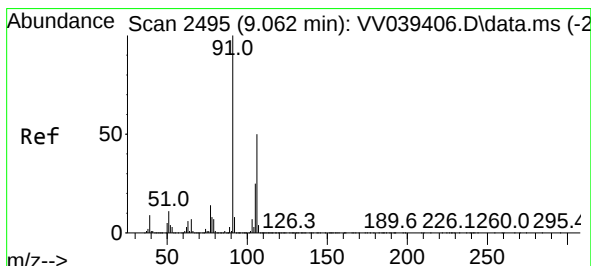
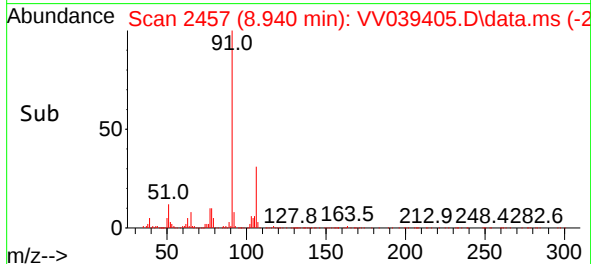
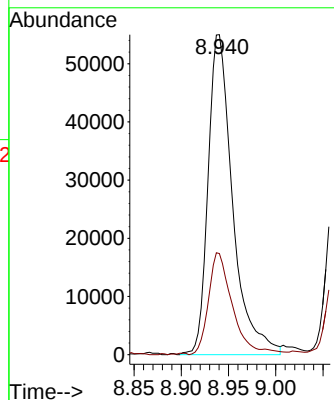
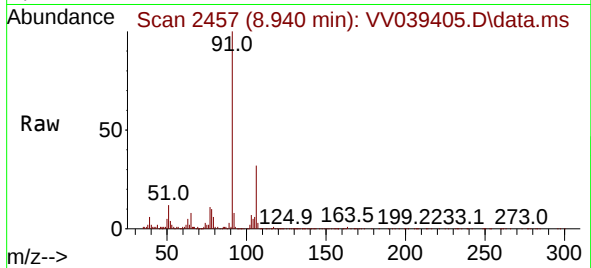




#52
Ethylbenzene
Concen: 0.812 ug/L
RT: 8.940 min Scan# 2456
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

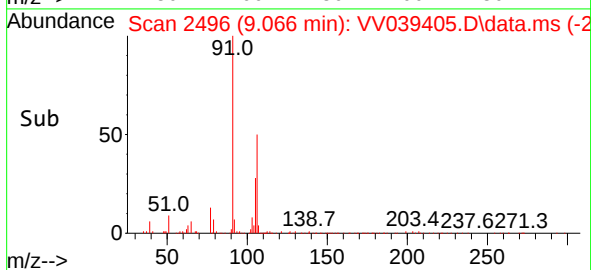
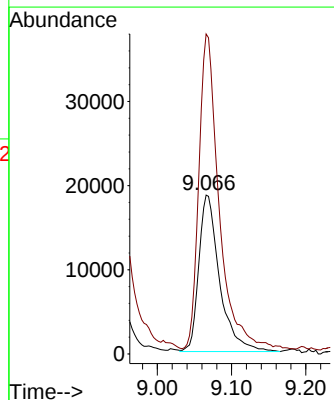
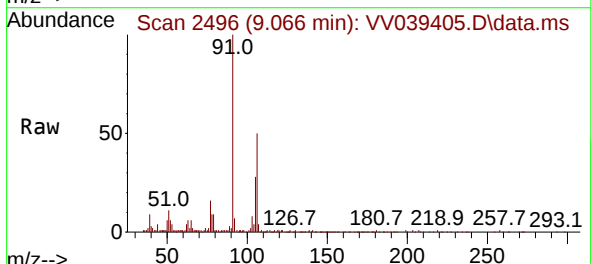
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

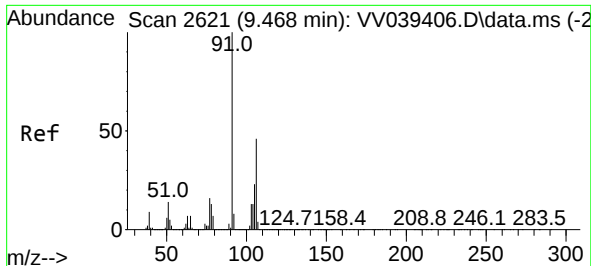
Tgt Ion: 91 Resp: 99492
Ion Ratio Lower Upper
91 100
106 31.6 21.3 39.6



#53
m,p-Xylene
Concen: 0.781 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 106 Resp: 36248
Ion Ratio Lower Upper
106 100
91 201.4 139.6 259.2

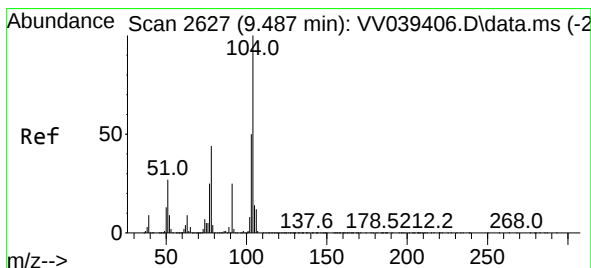
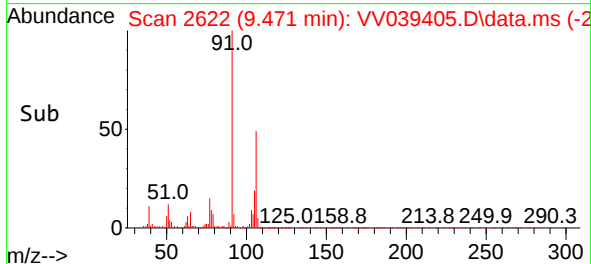
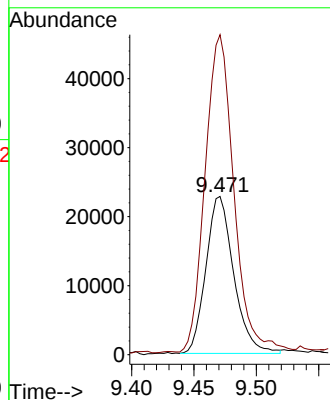
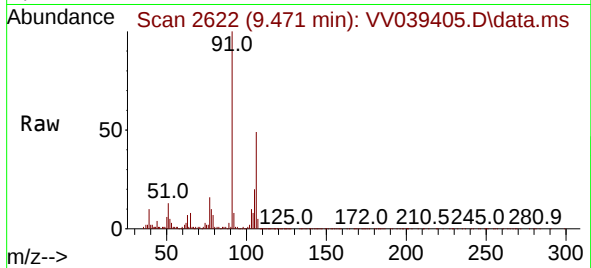




#54
o-Xylene
Concen: 0.802 ug/L
RT: 9.471 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

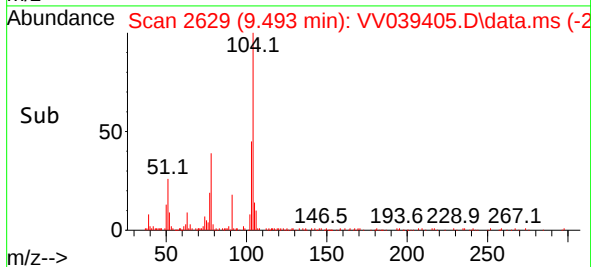
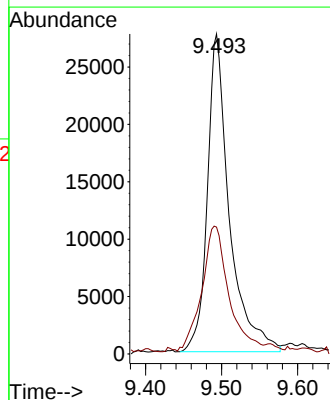
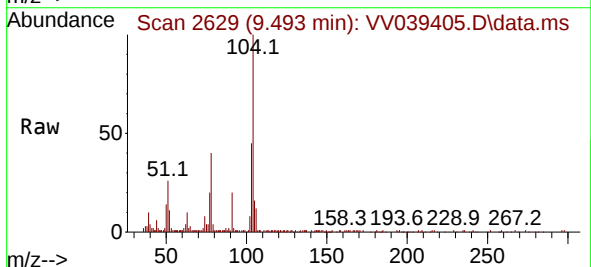
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

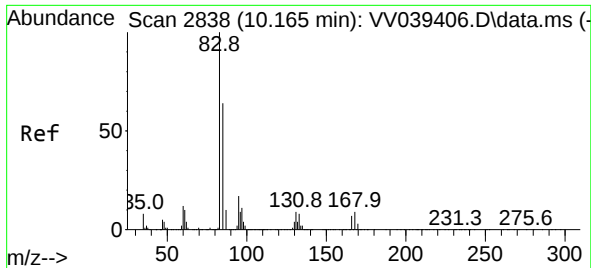
Tgt Ion:106 Resp: 35334
Ion Ratio Lower Upper
106 100
91 202.2 152.5 283.1



#55
Styrene
Concen: 0.732 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:104 Resp: 55605
Ion Ratio Lower Upper
104 100
78 39.7 30.6 56.8

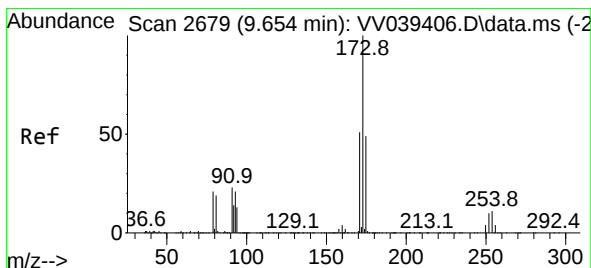
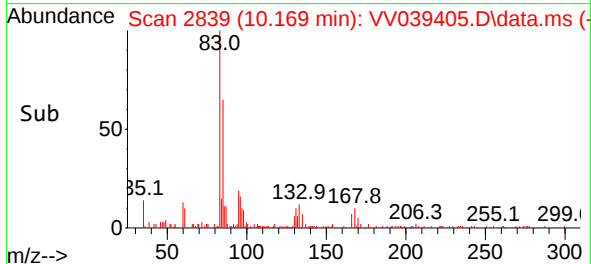
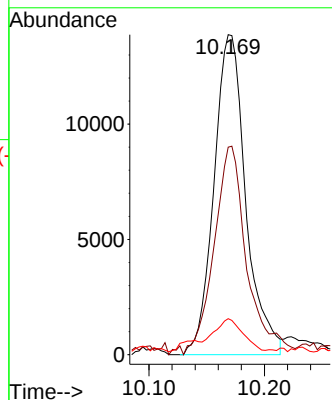
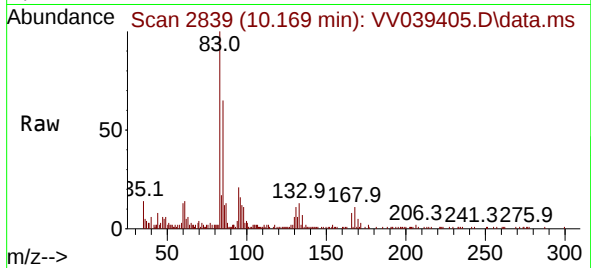




#57
1,1,2-Tetrachloroethane
Concen: 1.035 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

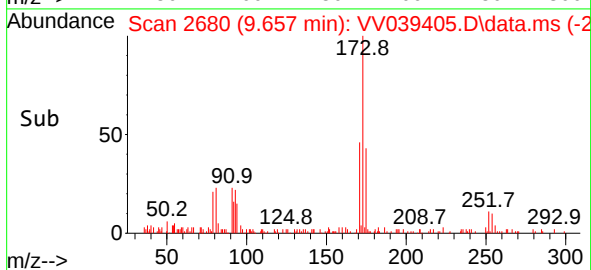
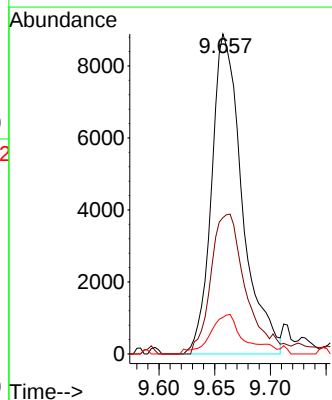
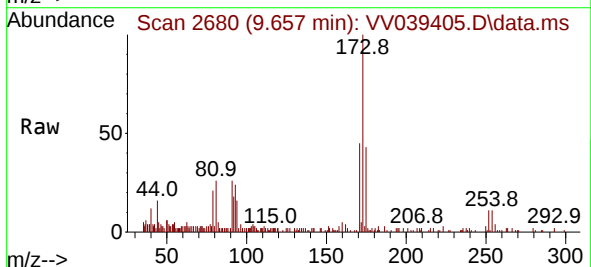
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

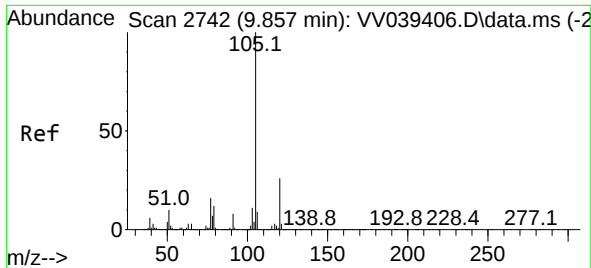
Tgt Ion: 83 Resp: 26531
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1
131 11.3 7.8 11.8



#59
Bromoform
Concen: 1.206 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 173 Resp: 17012
Ion Ratio Lower Upper
173 100
175 50.0 40.2 60.4
254 13.6 9.1 13.7

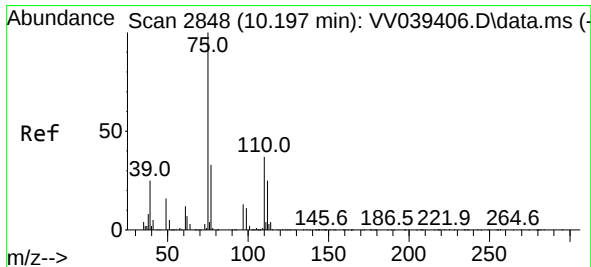
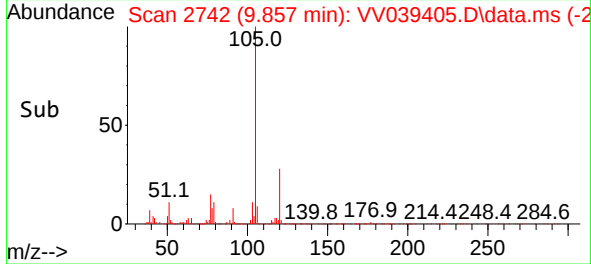
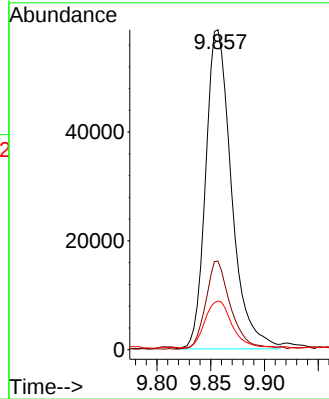
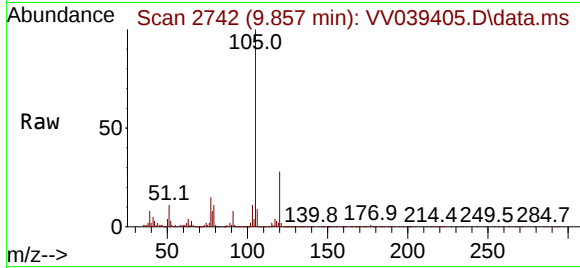




#60
Isopropylbenzene
Concen: 0.771 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

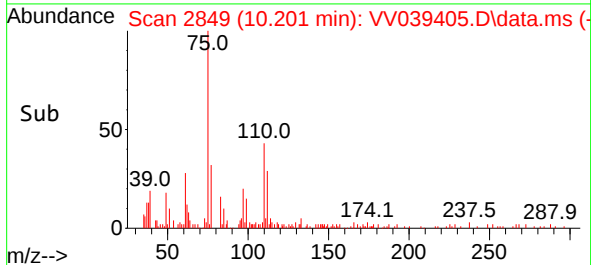
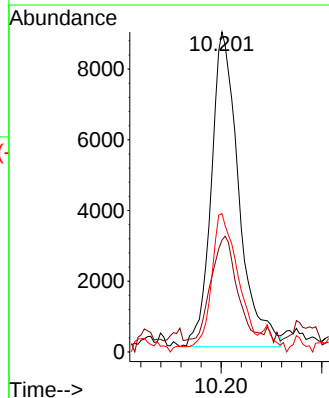
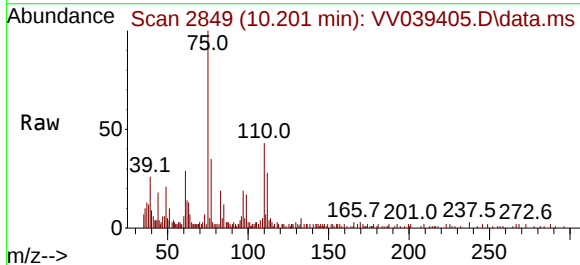
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

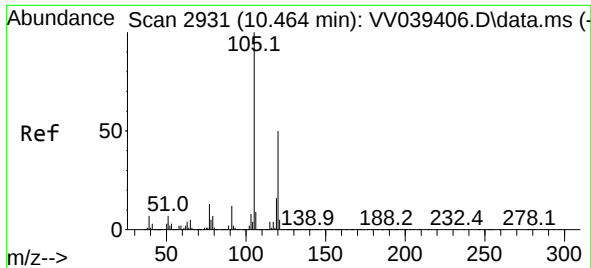
Tgt Ion:	105	Resp:	98068
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.4	32.2
77	15.1	12.8	19.2



#61
1,2,3-Trichloropropane
Concen: 0.936 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:	75	Resp:	16917
Ion Ratio	Lower	Upper	
75	100		
77	30.6	25.2	37.8
110	40.9	30.8	46.2

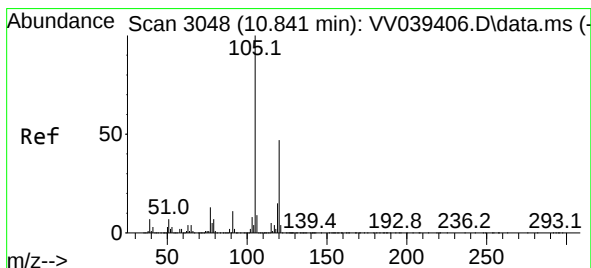
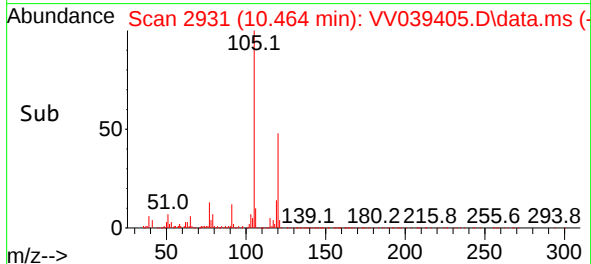
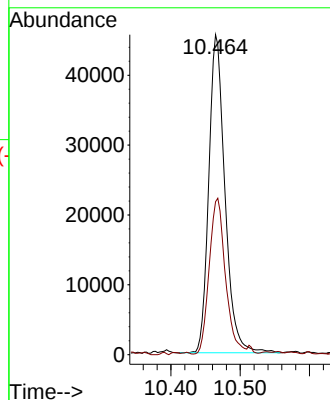
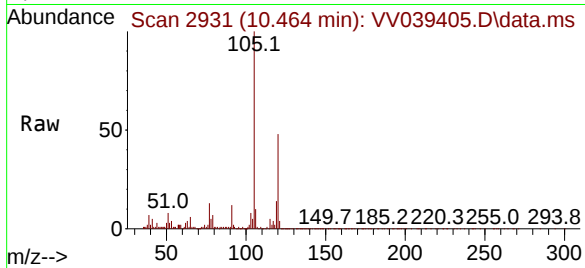




#62
 1,3,5-Trimethylbenzene
 Concen: 0.753 ug/L
 RT: 10.464 min Scan# 2931
 Delta R.T. 0.000 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

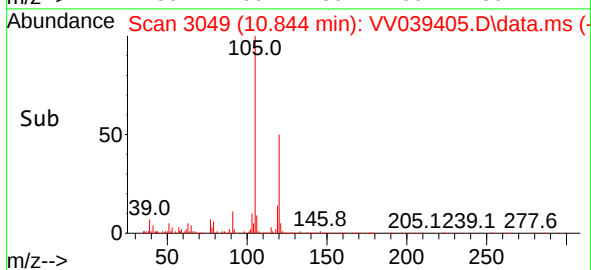
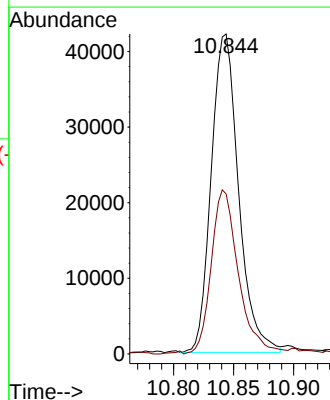
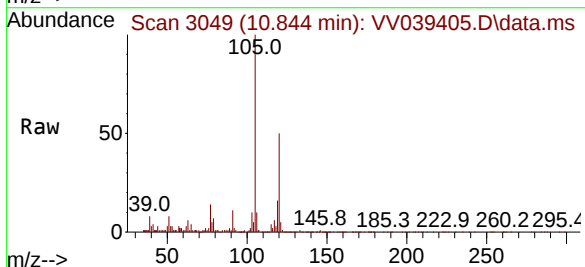
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

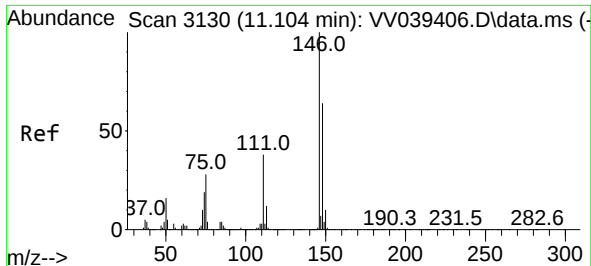
Tgt Ion:105 Resp: 73498
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 0.683 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.003 min
 Lab File: VV039405.D
 Acq: 19 Nov 2025 10:37

Tgt Ion:105 Resp: 66706
 Ion Ratio Lower Upper
 105 100
 120 51.4 36.8 55.2

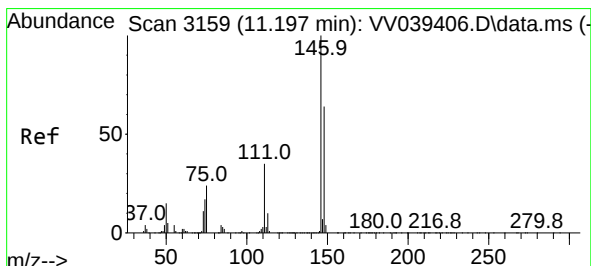
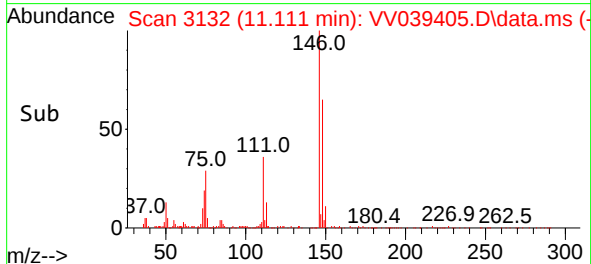
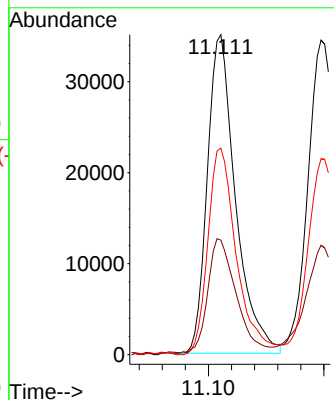
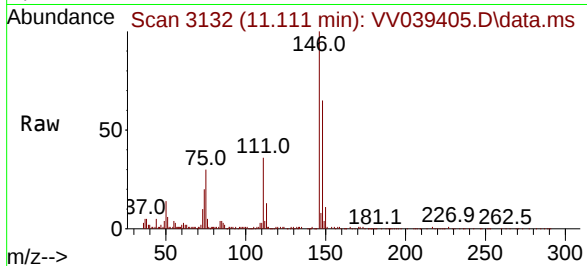




#64
1,3-Dichlorobenzene
Concen: 0.947 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. 0.006 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

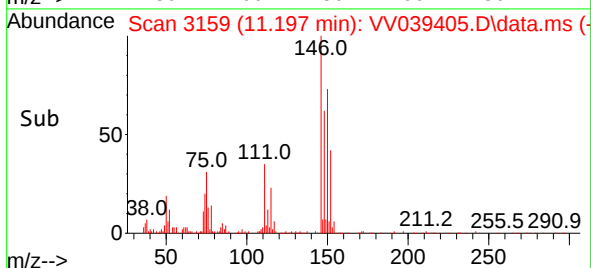
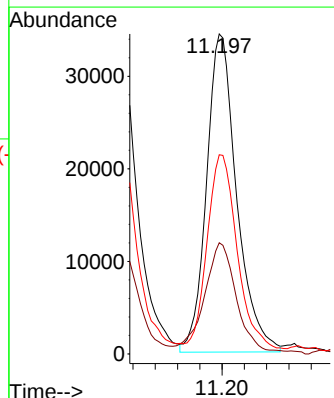
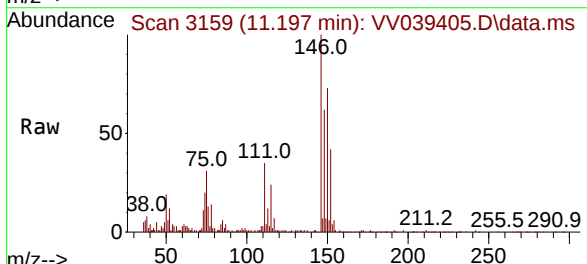
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

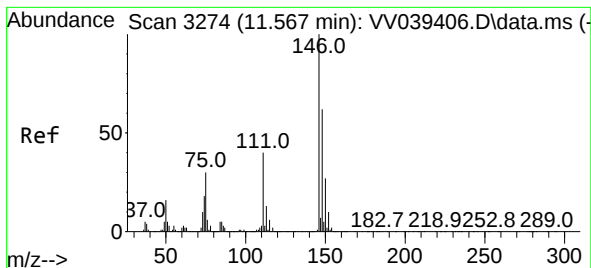
Tgt Ion:146 Resp: 59492
Ion Ratio Lower Upper
146 100
111 35.8 26.6 49.4
148 64.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 0.978 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. 0.000 min
Lab File: VV039405.D
Acq: 19 Nov 2025 10:37

Tgt Ion:146 Resp: 64611
Ion Ratio Lower Upper
146 100
111 34.8 24.6 45.6
148 62.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 0.943 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

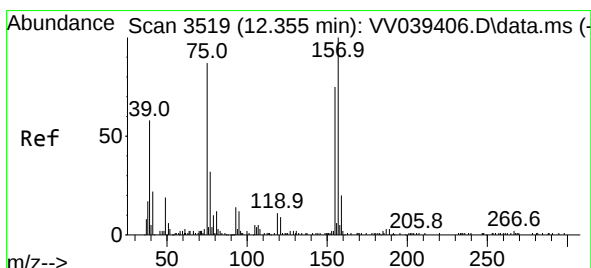
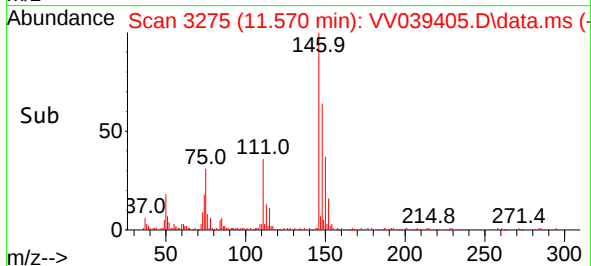
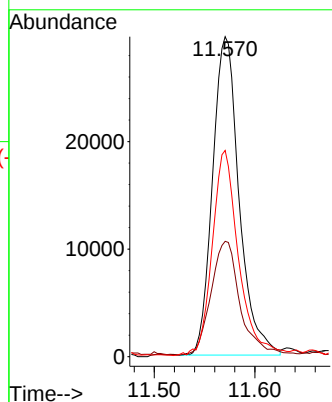
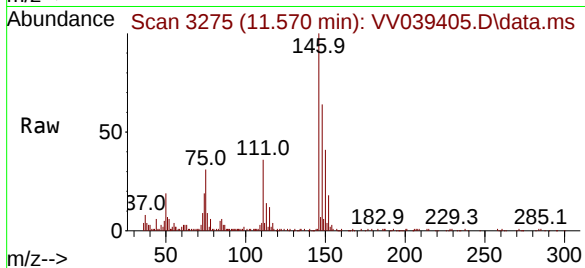
Tgt Ion:146 Resp: 54310

Ion Ratio Lower Upper

146 100

111 36.0 31.7 47.5

148 64.5 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.809 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

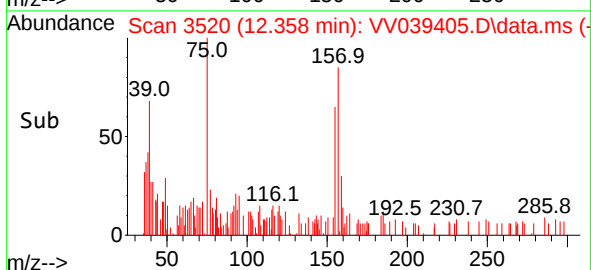
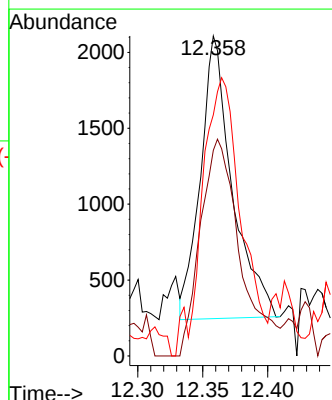
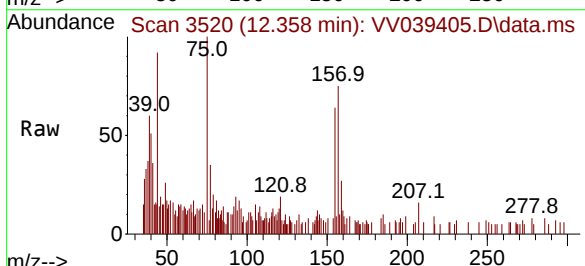
Tgt Ion: 75 Resp: 3171

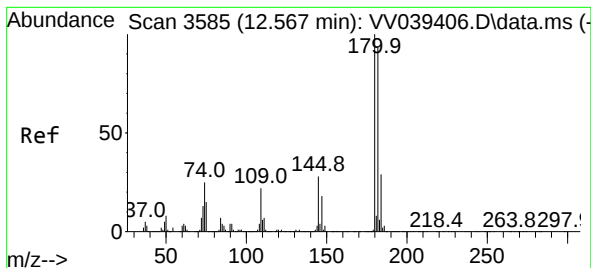
Ion Ratio Lower Upper

75 100

155 64.2 69.5 104.3#

157 75.3 92.0 138.0#





#69

1,3,5-Trichlorobenzene

Concen: 1.080 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. 0.003 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

Tgt Ion:180 Resp: 45186

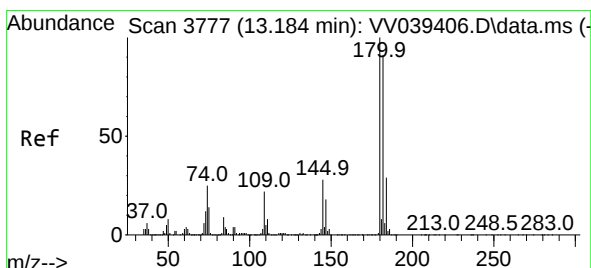
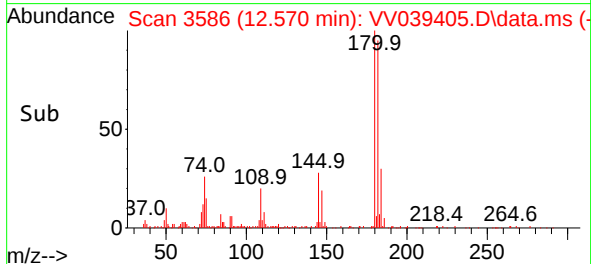
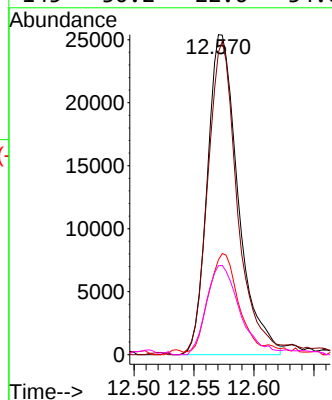
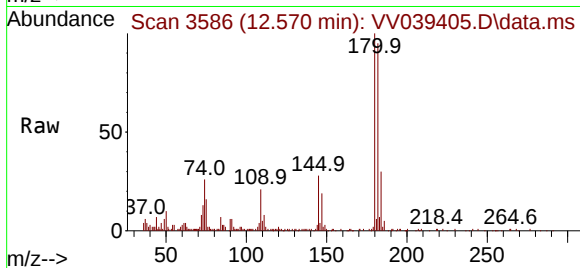
Ion Ratio Lower Upper

180 100

182 97.2 76.9 115.3

184 31.3 24.3 36.5

145 30.2 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 1.011 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

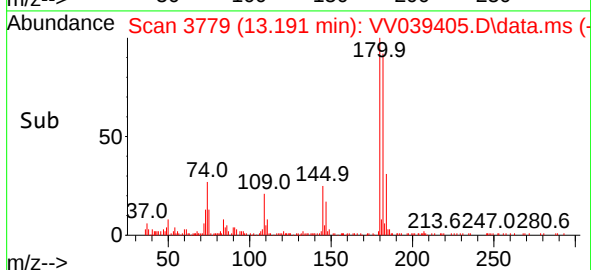
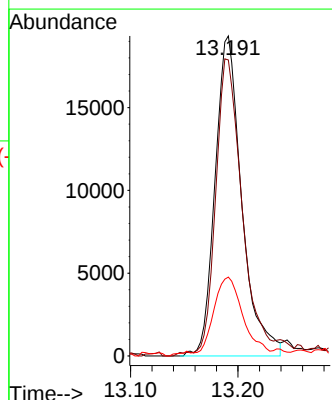
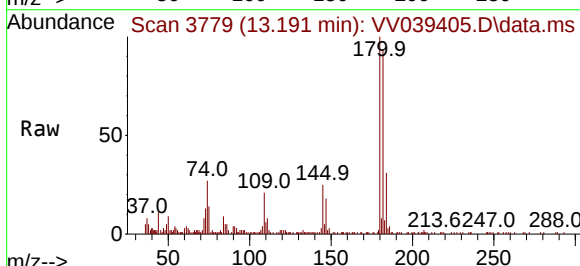
Tgt Ion:180 Resp: 33278

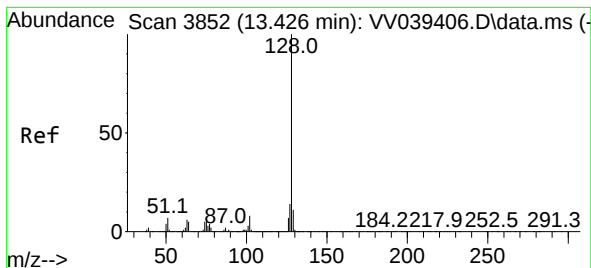
Ion Ratio Lower Upper

180 100

182 91.8 74.6 111.8

145 25.5 23.3 34.9





#71

Naphthalene

Concen: 0.727 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.006 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

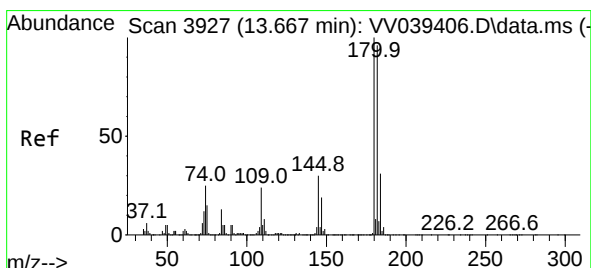
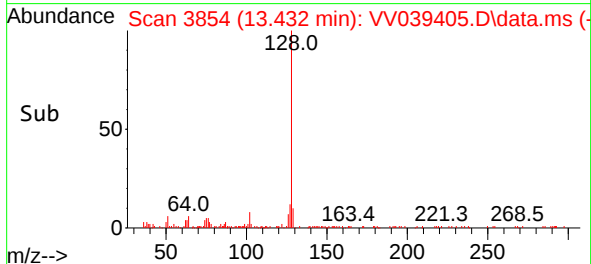
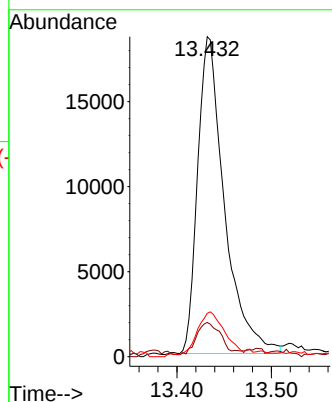
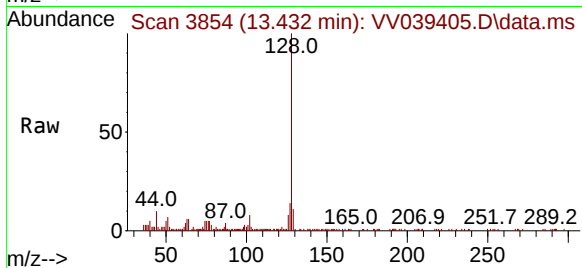
Tgt Ion:128 Resp: 36720

Ion Ratio Lower Upper

128 100

129 9.3 8.6 12.8

127 13.3 11.3 16.9



#72

1,2,3-Trichlorobenzene

Concen: 0.948 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV039405.D

Acq: 19 Nov 2025 10:37

Tgt Ion:180 Resp: 28270

Ion Ratio Lower Upper

180 100

182 97.7 75.4 113.0

145 32.7 24.6 36.8

