

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111725\
 Data File : VW039395.D
 Acq On : 17 Nov 2025 16:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

Quant Time: Nov 18 01:39:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:21:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1121674	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1131504	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	670099	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	507636	46.438	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.880%
7) Chloroethane-d5	1.545	69	378967	46.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.860%
11) 1,1-Dichloroethene-d2	2.072	65	213479	46.397	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.800%
21) 2-Butanone-d5	3.786	46	547090	94.784	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.780%
24) Chloroform-d	4.252	84	847363	46.773	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.540%
26) 1,2-Dichloroethane-d4	4.940	65	521625	46.268	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.540%
32) Benzene-d6	4.960	84	1642448	48.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	5.982	67	492947	46.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.600%
41) Toluene-d8	7.236	98	1549377	49.707	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.420%
43) trans-1,3-Dichloroprop...	7.545	79	251144	47.257	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.520%
47) 2-Hexanone-d5	8.014	63	397846	98.870	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.870%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	719571	46.735	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	11.548	152	603103	47.915	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	393540	50.009	ug/L	99
3) Chloromethane	1.230	50	425508	49.323	ug/L	100
5) Vinyl chloride	1.297	62	478709	49.248	ug/L	100
6) Bromomethane	1.497	94	287845	53.170	ug/L	99
8) Chloroethane	1.561	64	308712	48.250	ug/L	98
9) Trichlorofluoromethane	1.725	101	775249	49.302	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	471439	49.341	ug/L	100
12) 1,1-Dichloroethene	2.082	96	403961	49.106	ug/L	92
13) Acetone	2.117	43	652076	83.448	ug/L	99
14) Carbon disulfide	2.252	76	1160666	49.709	ug/L	100
15) Methyl Acetate	2.381	43	515977	50.815	ug/L	100
16) Methylene chloride	2.458	84	471610	48.946	ug/L	98
17) trans-1,2-Dichloroethene	2.706	96	436020	50.832	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	1349439	51.534	ug/L	99
19) 1,1-Dichloroethane	3.121	63	859141	50.537	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	489514	52.991	ug/L	99
22) 2-Butanone	3.863	43	725612	93.344	ug/L	95
23) Bromochloromethane	4.153	128	270477	49.581	ug/L	98
25) Chloroform	4.278	83	910019	49.021	ug/L	100

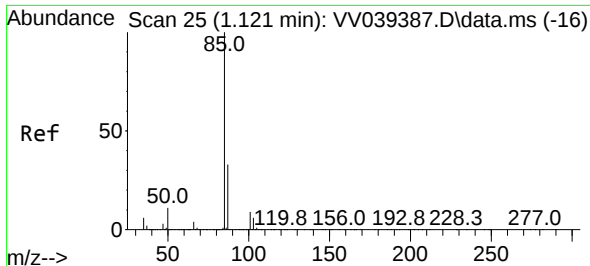
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	705536	51.567	ug/L	99
29) Cyclohexane	4.587	56	732313	54.675	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	813417	50.821	ug/L	99
31) Carbon tetrachloride	4.735	117	739075	50.166	ug/L	100
33) Benzene	5.008	78	1859944	52.646	ug/L	100
34) Trichloroethene	5.831	95	493468	51.701	ug/L	100
35) Methylcyclohexane	6.046	83	761239	54.271	ug/L	99
37) 1,2-Dichloropropane	6.088	63	507161	50.762	ug/L	100
38) Bromodichloromethane	6.426	83	698712	50.305	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	811396	52.739	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	1413026	112.494	ug/L	100
42) Toluene	7.307	91	2034870	54.349	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	777443	52.420	ug/L	98
45) 1,1,2-Trichloroethane	7.757	97	521348	50.169	ug/L	99
46) Tetrachloroethene	7.895	164	445369	50.796	ug/L	99
48) 2-Hexanone	8.062	43	1135303	108.190	ug/L	99
49) Dibromochloromethane	8.165	129	586282	49.387	ug/L	98
50) 1,2-Dibromoethane	8.271	107	551477	49.262	ug/L	98
51) Chlorobenzene	8.802	112	1338567	49.875	ug/L	98
52) Ethylbenzene	8.934	91	2224148	54.649	ug/L	99
53) m,p-Xylene	9.062	106	869710	55.830	ug/L	97
54) o-Xylene	9.468	106	818217	54.965	ug/L	100
55) Styrene	9.484	104	1497786	57.212	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	835215	50.021	ug/L	97
59) Bromoform	9.651	173	492874	48.059	ug/L	98
60) Isopropylbenzene	9.857	105	2231265	54.706	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	640499	49.020	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	1780930	55.911	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	1765898	56.382	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	1139340	51.310	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	1191758	49.816	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	1120577	50.531	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.348	75	177976	48.518	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	817323	51.674	ug/L	100
70) 1,2,4-trichlorobenzene	13.184	180	715799	51.937	ug/L	100
71) Naphthalene	13.422	128	2134804	55.013	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	765594	53.617	ug/L	100

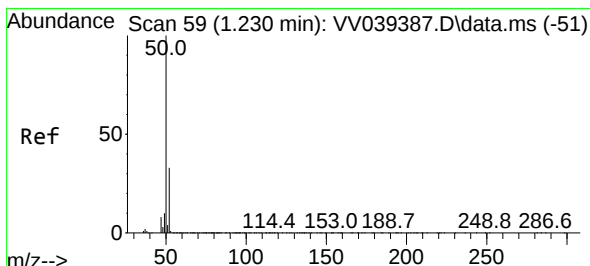
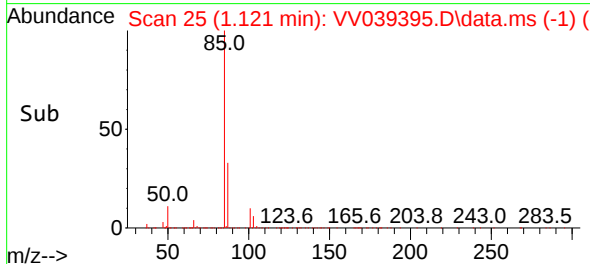
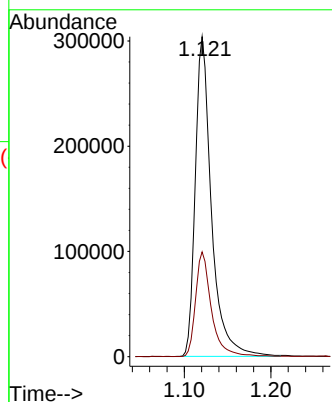
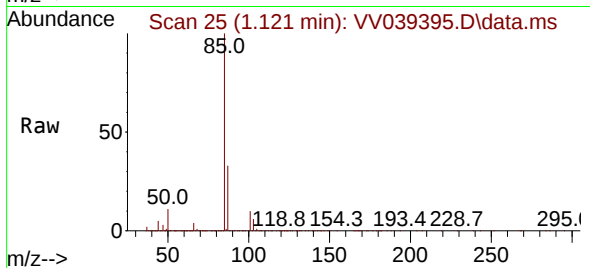
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#2
Dichlorodifluoromethane
Concen: 50.009 ug/L
RT: 1.121 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

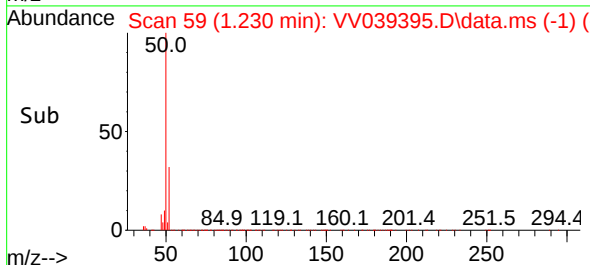
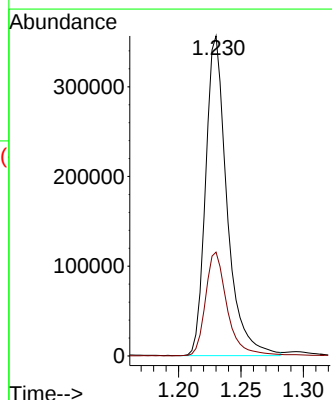
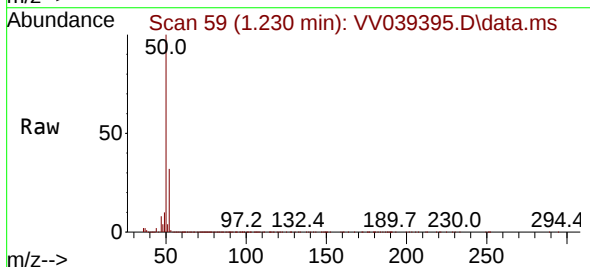
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

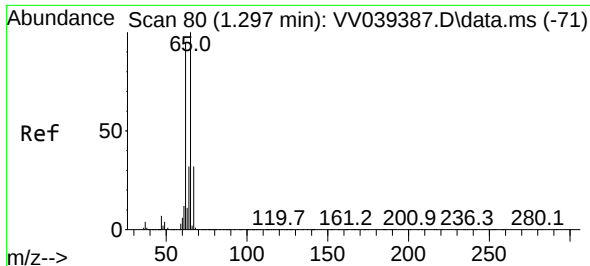
Tgt Ion: 85 Resp: 393540
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1



#3
Chloromethane
Concen: 49.323 ug/L
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 50 Resp: 425508
Ion Ratio Lower Upper
50 100
52 32.4 22.7 42.3

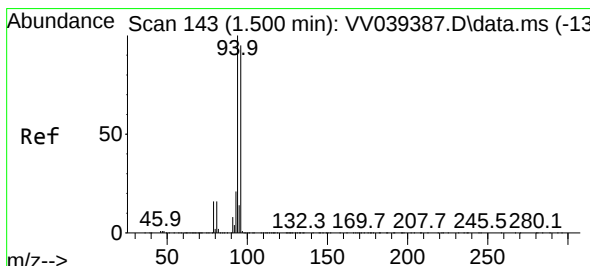
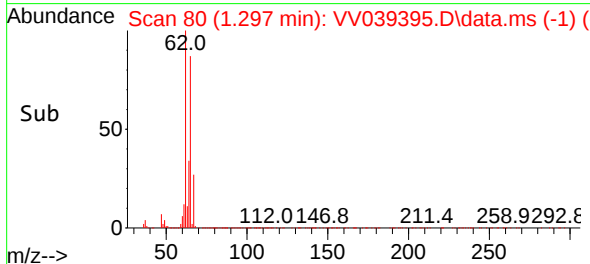
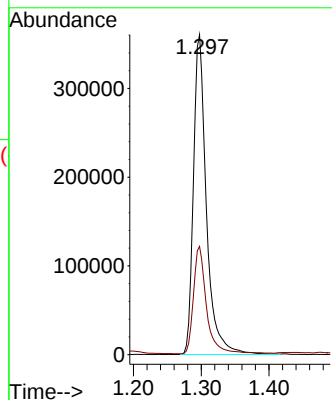
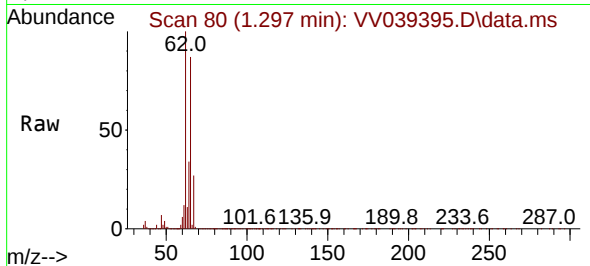




#5
 Vinyl chloride
 Concen: 49.248 ug/L
 RT: 1.297 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

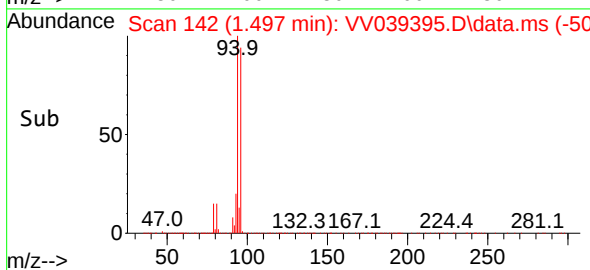
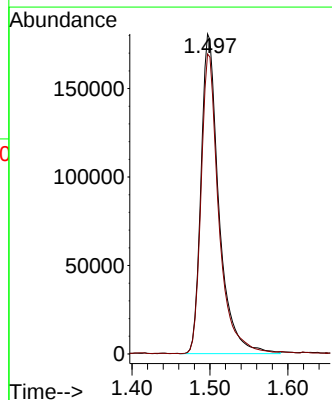
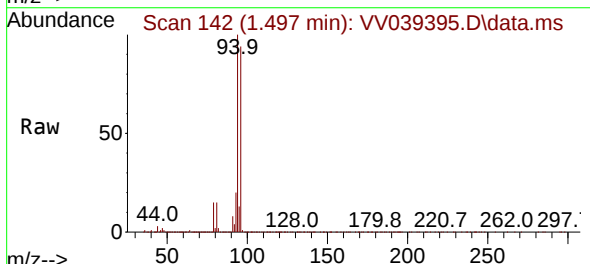
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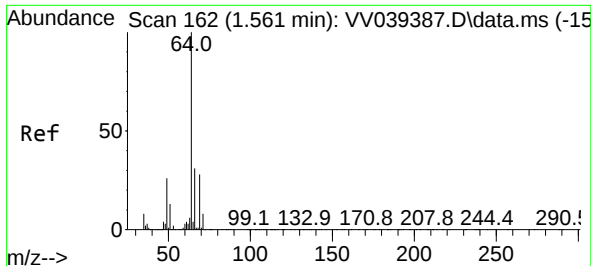
Tgt Ion: 62 Resp: 478709
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.7 44.1



#6
 Bromomethane
 Concen: 53.170 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. -0.003 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

Tgt Ion: 94 Resp: 287845
 Ion Ratio Lower Upper
 94 100
 96 93.8 66.6 123.8

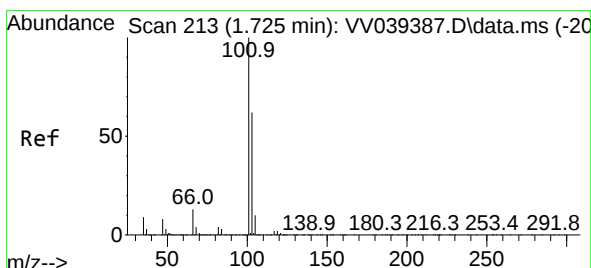
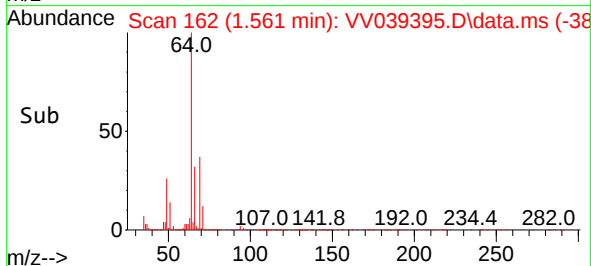
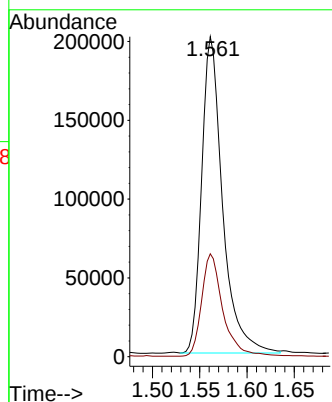
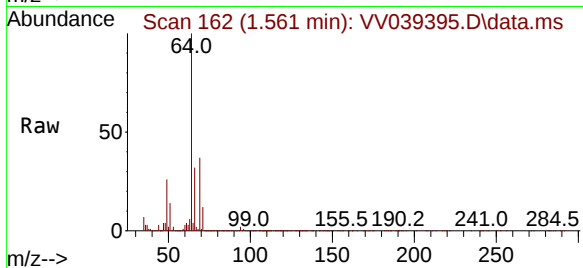




#8
Chloroethane
Concen: 48.250 ug/L
RT: 1.561 min Scan# 162
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

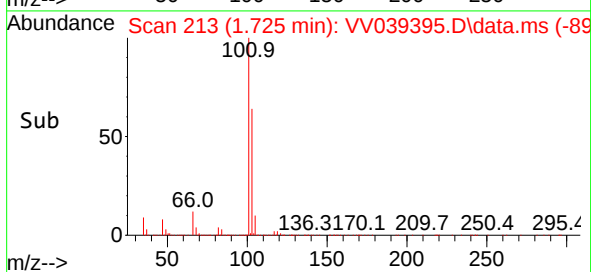
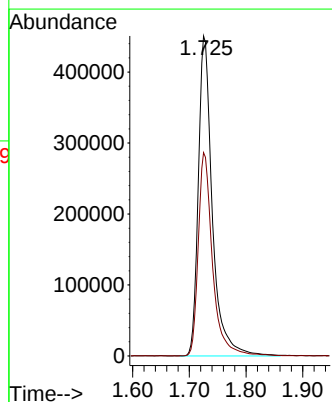
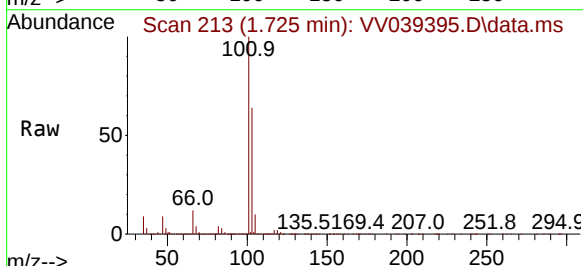
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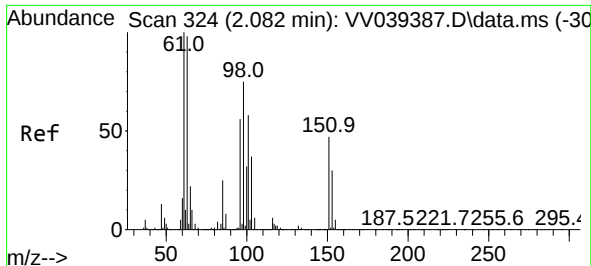
Tgt Ion: 64 Resp: 308712
Ion Ratio Lower Upper
64 100
66 32.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 49.302 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 101 Resp: 775249
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

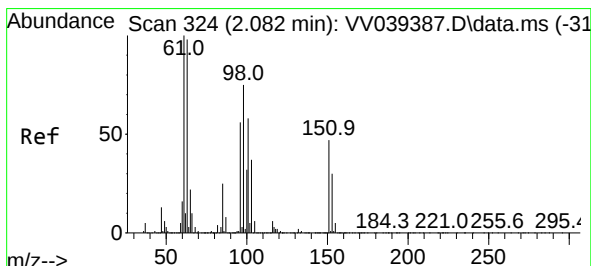
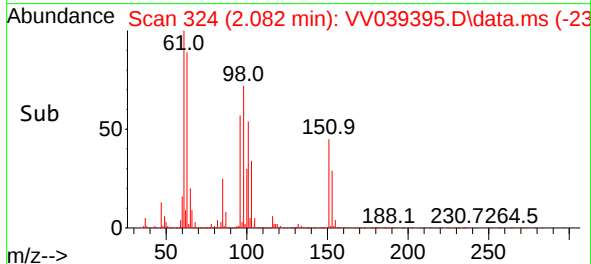
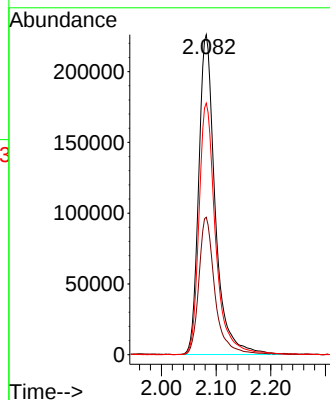
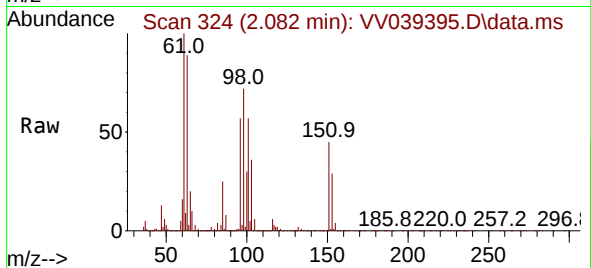




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.341 ug/L
RT: 2.082 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

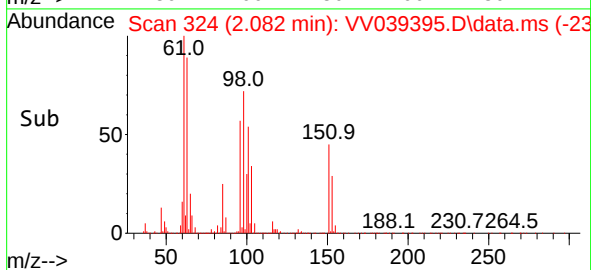
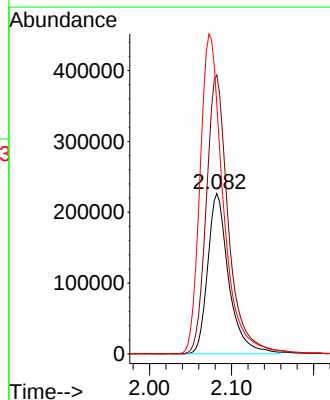
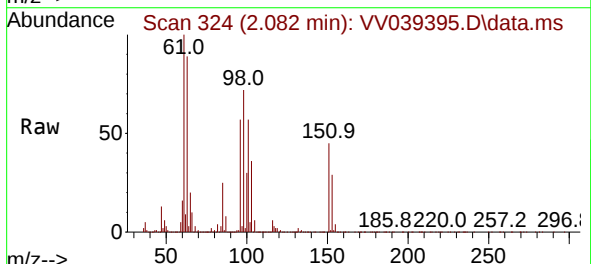
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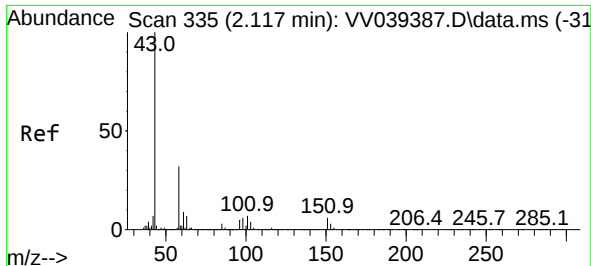
Tgt Ion:101 Resp: 471439
Ion Ratio Lower Upper
101 100
85 42.1 33.7 50.5
151 79.3 63.6 95.4



#12
1,1-Dichloroethene
Concen: 49.106 ug/L
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 96 Resp: 403961
Ion Ratio Lower Upper
96 100
61 173.9 124.3 230.8
63 155.2 121.8 226.2





#13

Acetone

Concen: 83.448 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.000 min

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MSVOA_V

ClientSampleId :

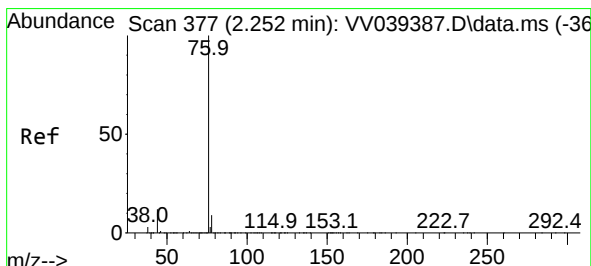
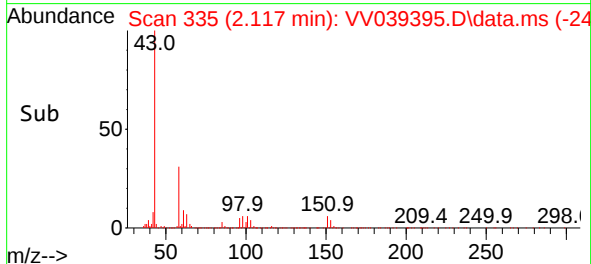
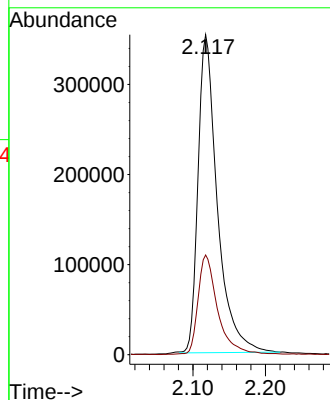
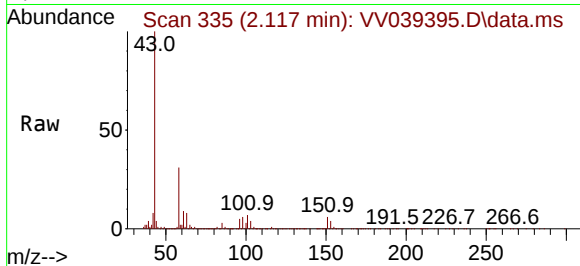
VSTD050330

Tgt Ion: 43 Resp: 652076

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.2



#14

Carbon disulfide

Concen: 49.709 ug/L

RT: 2.252 min Scan# 377

Delta R.T. 0.000 min

Lab File: VV039395.D

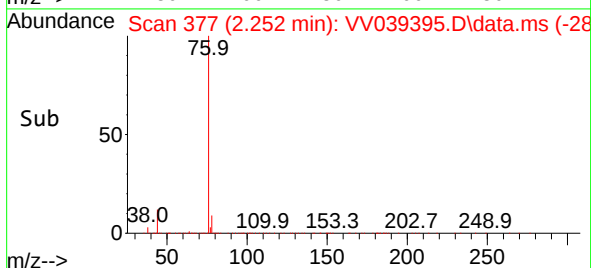
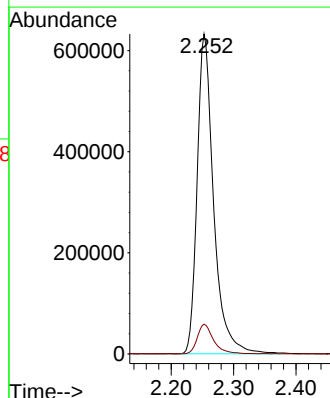
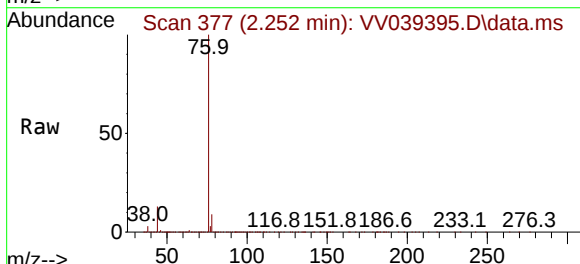
Acq: 17 Nov 2025 16:24

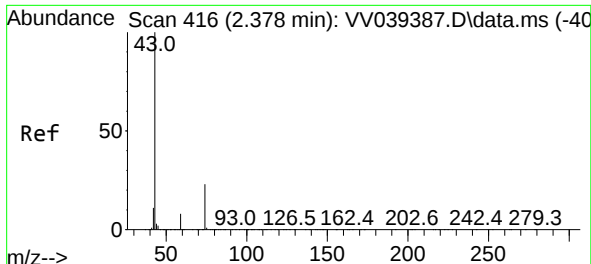
Tgt Ion: 76 Resp: 1160666

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

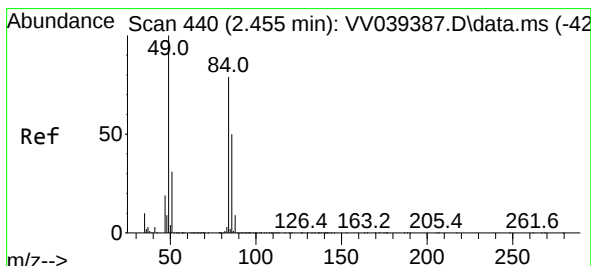
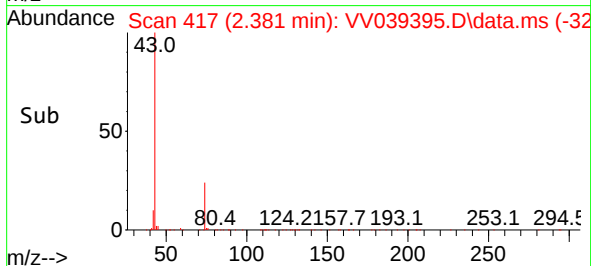
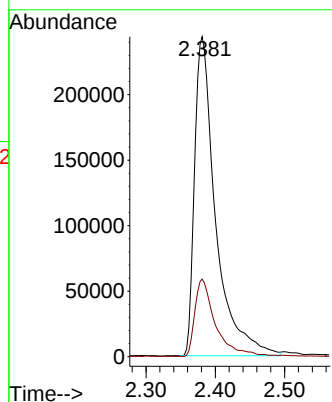
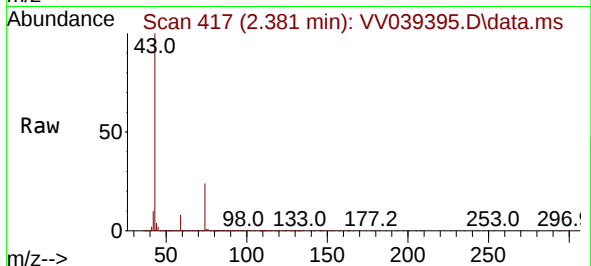




#15
Methyl Acetate
Concen: 50.815 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

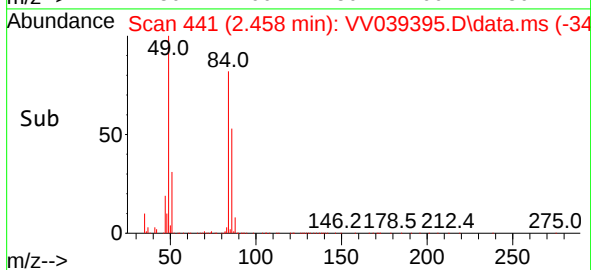
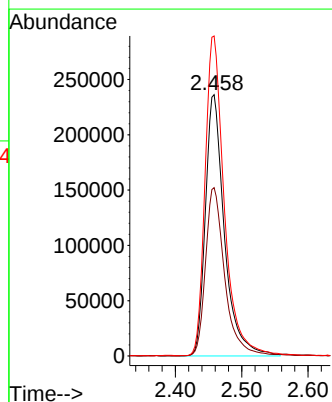
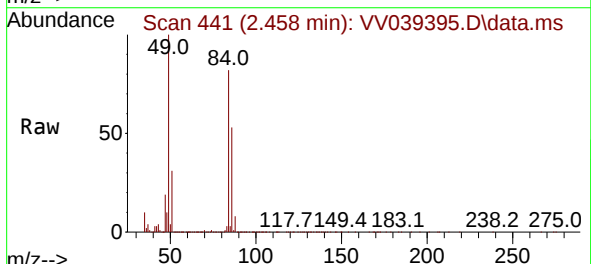
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

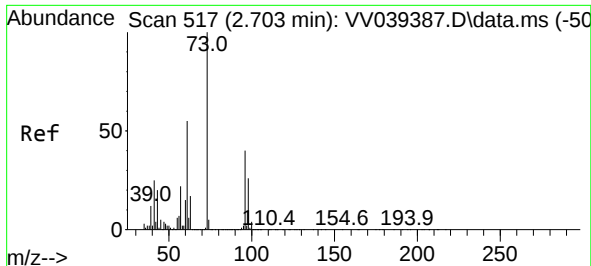
Tgt Ion: 43 Resp: 515977
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 48.946 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 84 Resp: 471610
Ion Ratio Lower Upper
84 100
86 64.4 44.4 82.5
49 122.5 88.2 163.8

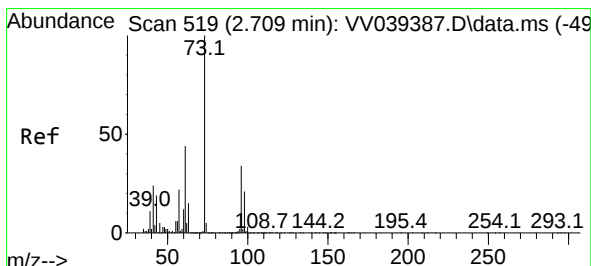
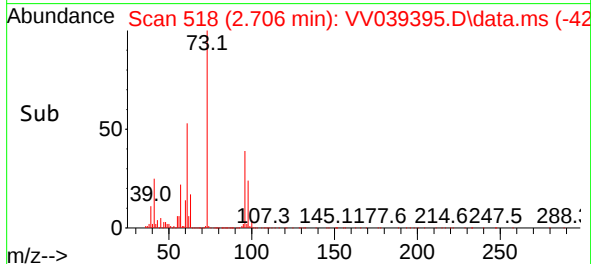
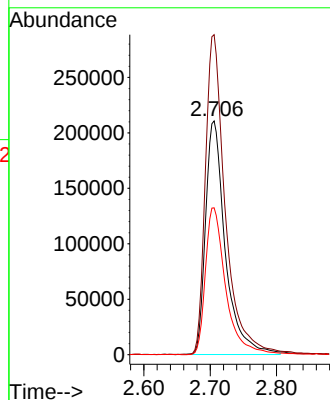
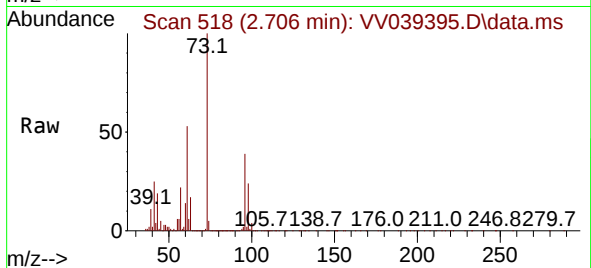




#17
trans-1,2-Dichloroethene
Concen: 50.832 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

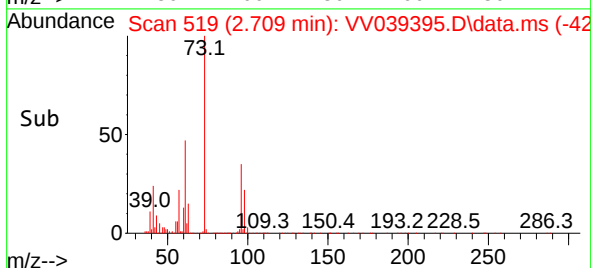
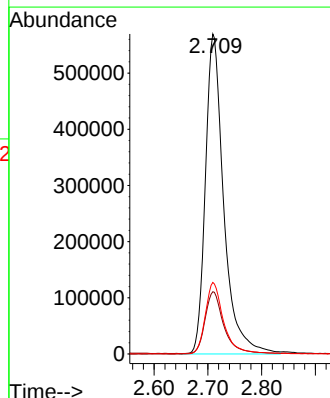
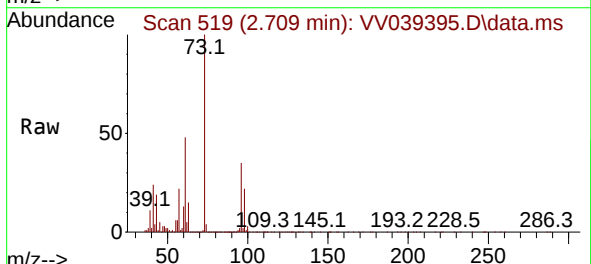
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

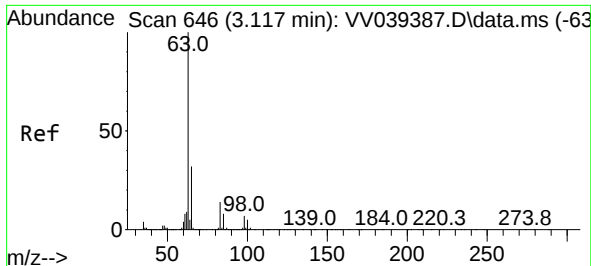
Tgt Ion: 96 Resp: 436020
Ion Ratio Lower Upper
96 100
61 136.9 96.1 178.5
98 62.9 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 51.534 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 73 Resp: 1349439
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 22.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.537 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD050330

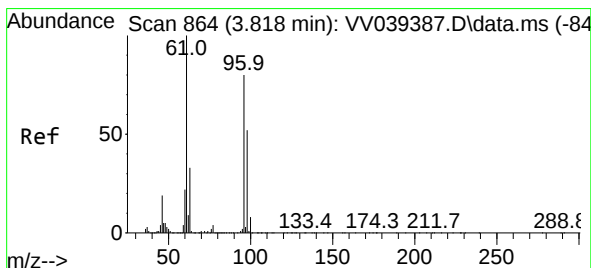
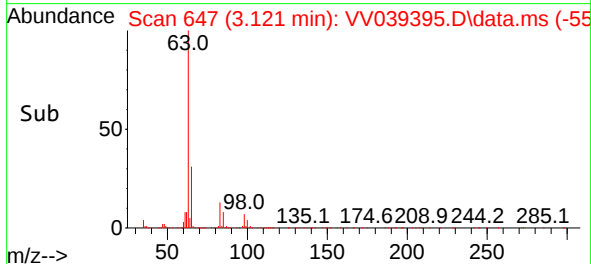
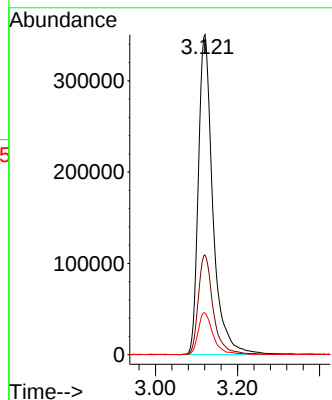
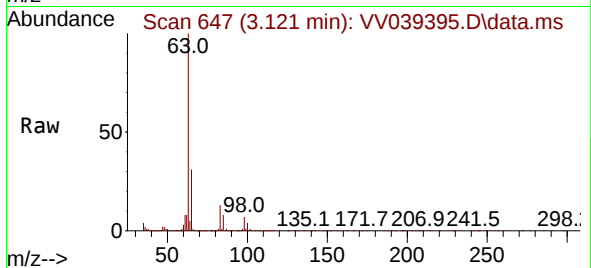
Tgt Ion: 63 Resp: 859141

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 13.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 52.991 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

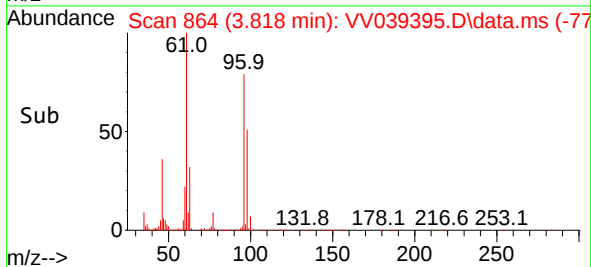
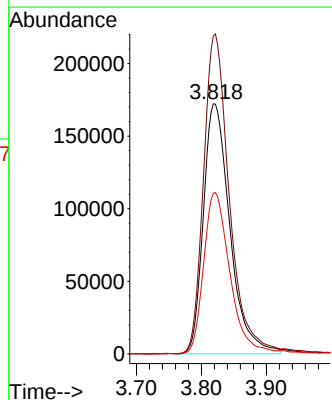
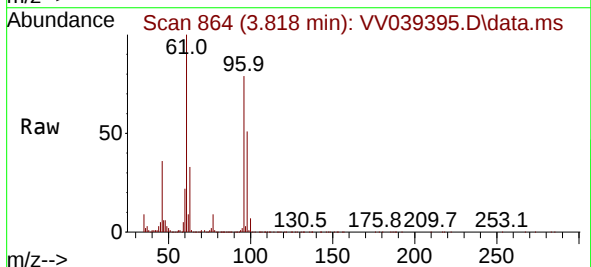
Tgt Ion: 96 Resp: 489514

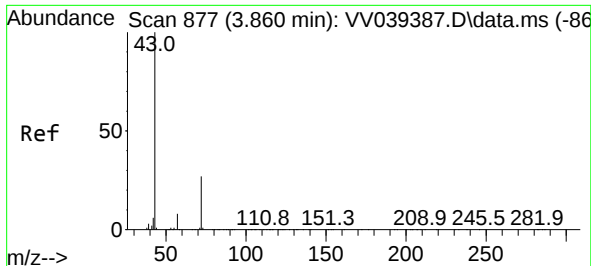
Ion Ratio Lower Upper

96 100

61 127.1 87.3 162.1

98 64.3 45.1 83.7

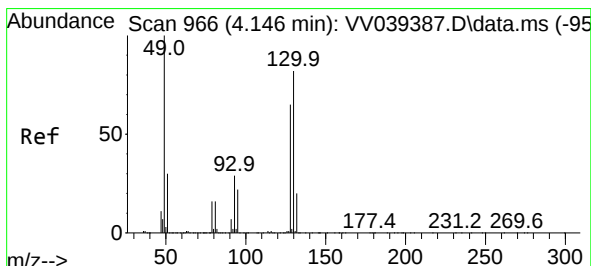
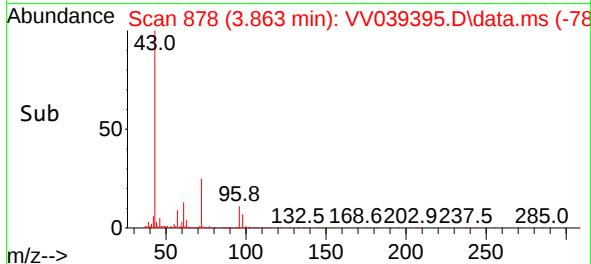
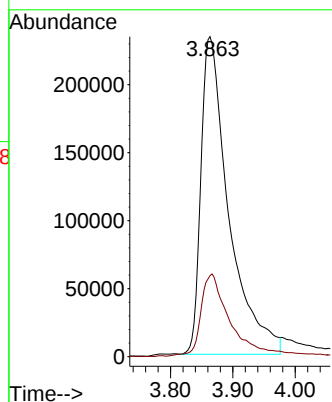
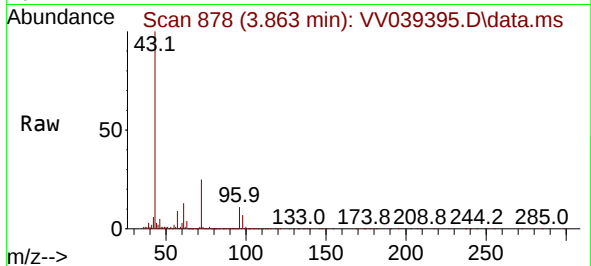




#22
2-Butanone
Concen: 93.344 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

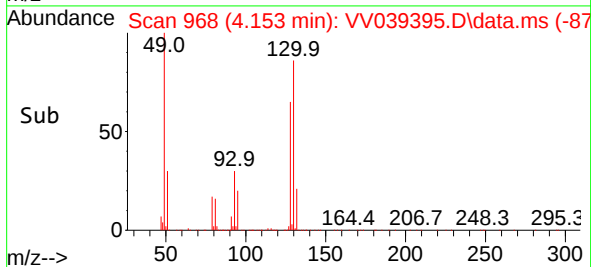
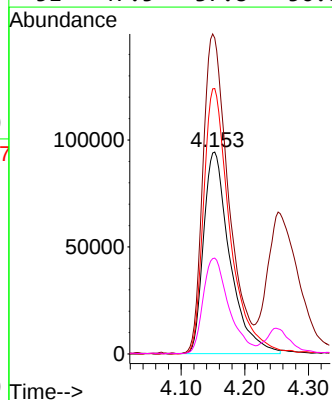
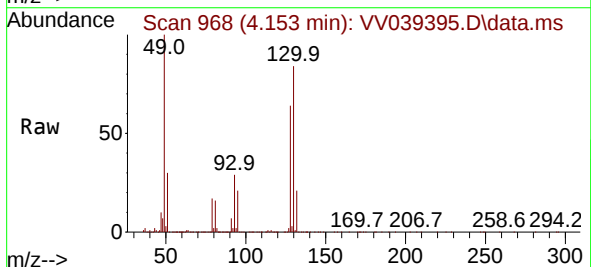
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

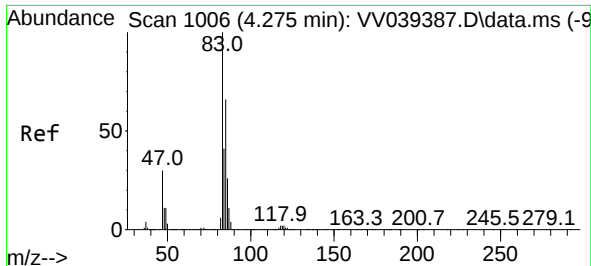
Tgt Ion: 43 Resp: 725612
Ion Ratio Lower Upper
43 100
72 24.0 13.3 39.9



#23
Bromochloromethane
Concen: 49.581 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.006 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion:128 Resp: 270477
Ion Ratio Lower Upper
128 100
49 156.5 108.6 201.6
130 131.5 89.2 165.6
51 47.5 37.8 56.8

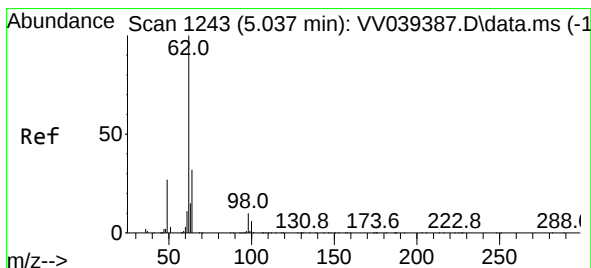
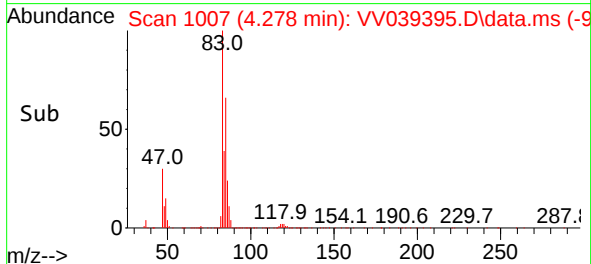
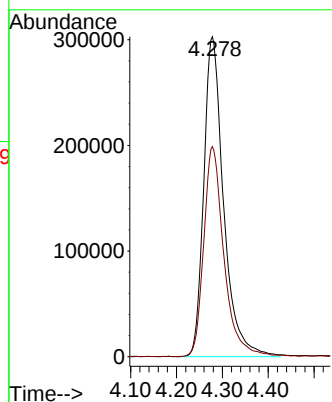
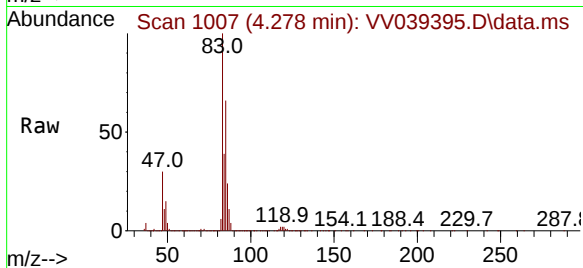




#25
Chloroform
Concen: 49.021 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

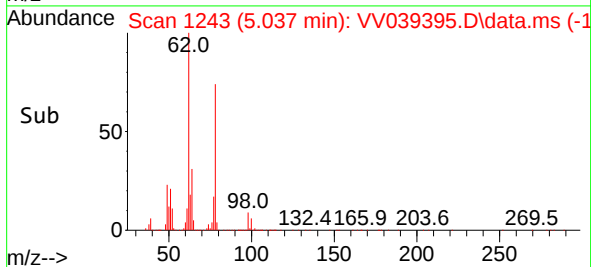
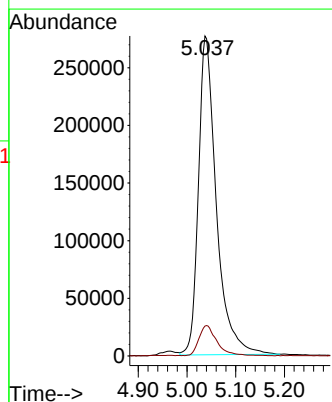
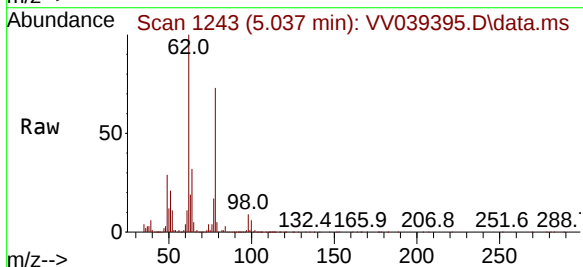
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

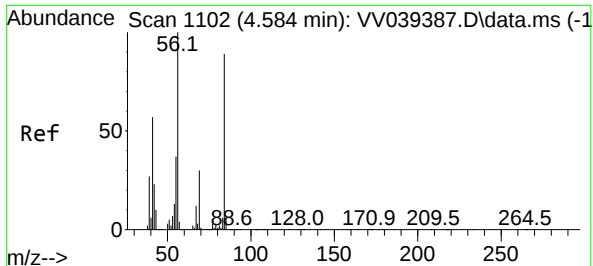
Tgt Ion: 83 Resp: 910019
Ion Ratio Lower Upper
83 100
85 65.6 46.0 85.4



#27
1,2-Dichloroethane
Concen: 51.567 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 62 Resp: 705536
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5





#29

Cyclohexane

Concen: 54.675 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD050330

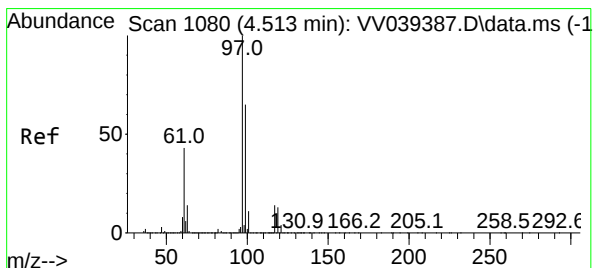
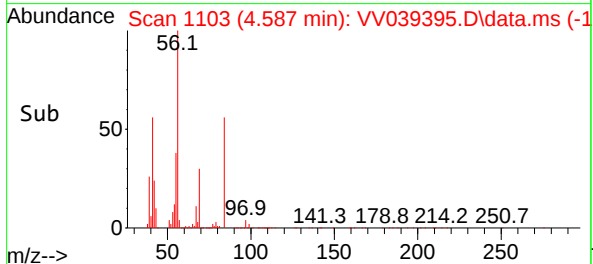
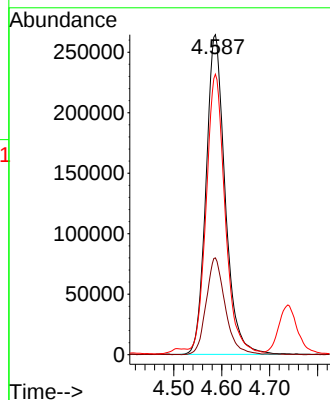
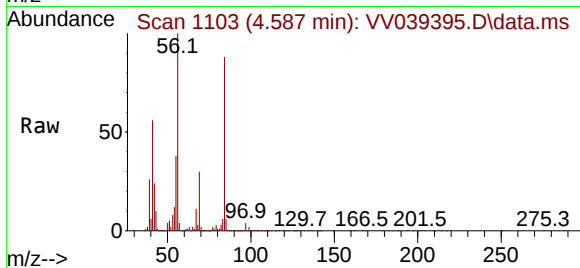
Tgt Ion: 56 Resp: 732313

Ion Ratio Lower Upper

56 100

69 30.2 24.1 36.1

84 86.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 50.821 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

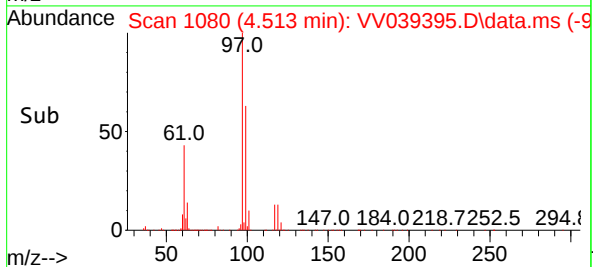
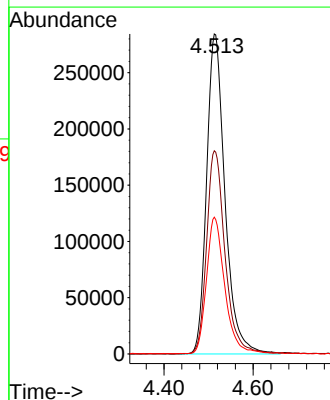
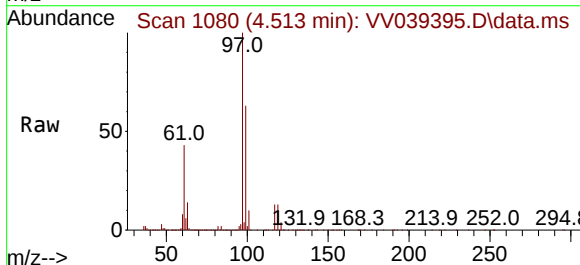
Tgt Ion: 97 Resp: 813417

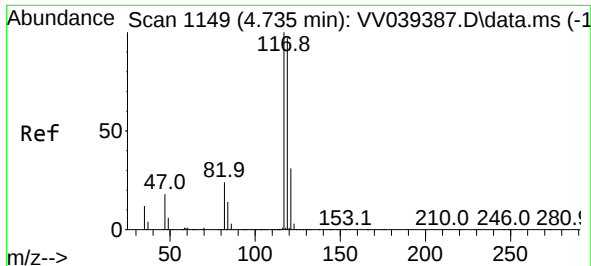
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 42.6 34.5 51.7

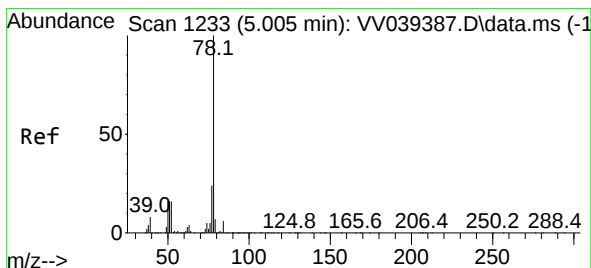
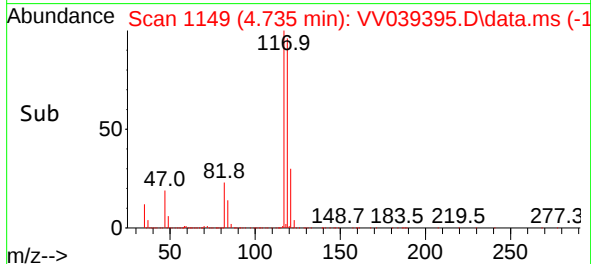
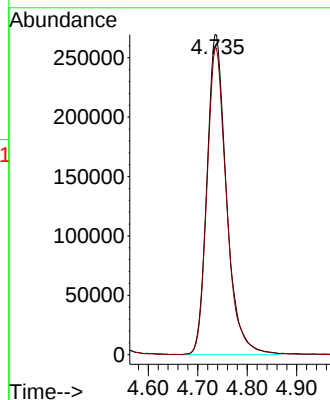
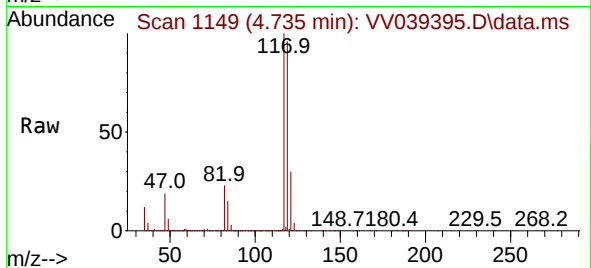




#31
Carbon tetrachloride
Concen: 50.166 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

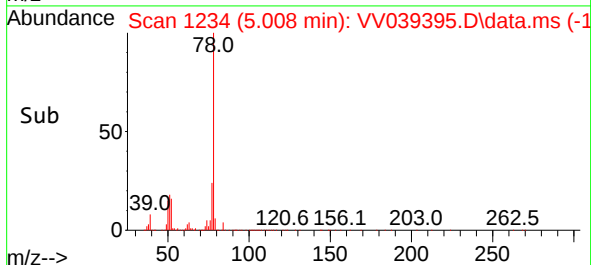
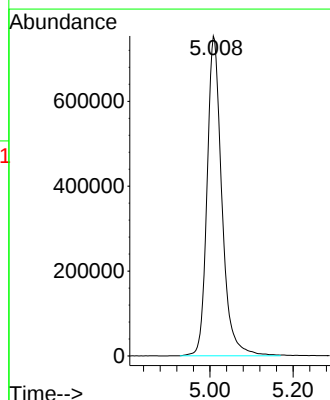
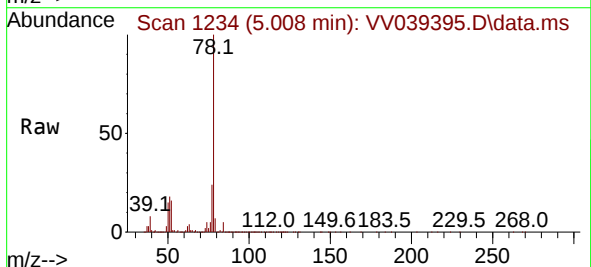
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

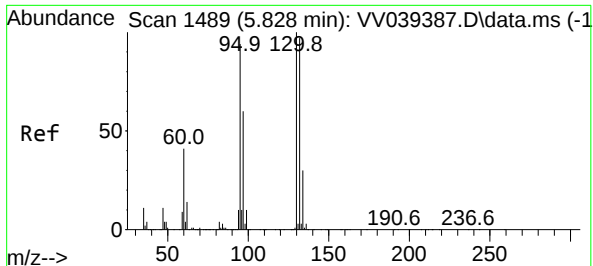
Tgt Ion:117 Resp: 739075
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 52.646 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 78 Resp: 1859944

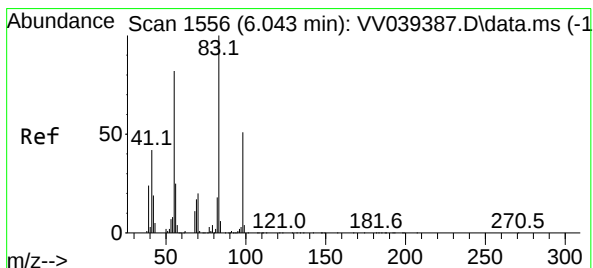
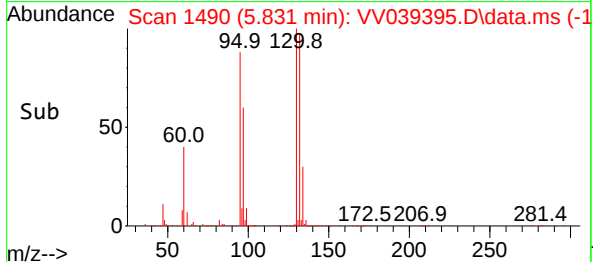
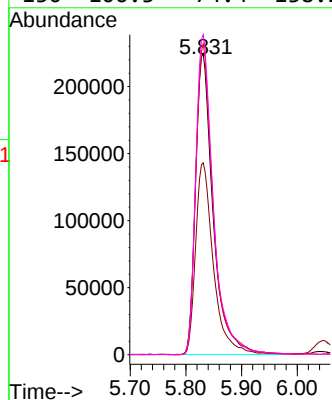
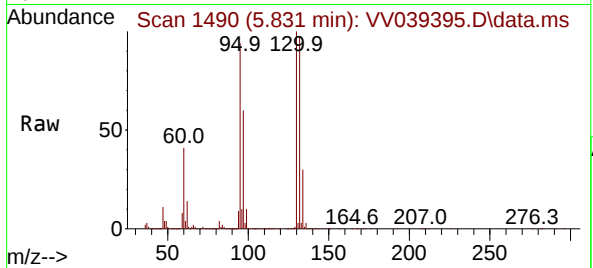




#34
Trichloroethene
Concen: 51.701 ug/L
RT: 5.831 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

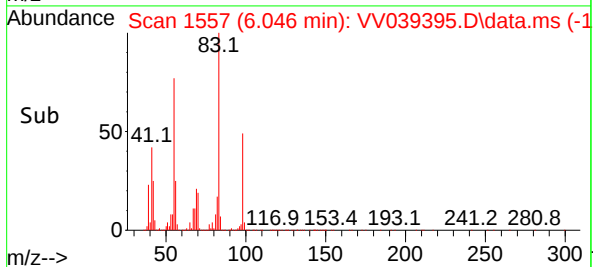
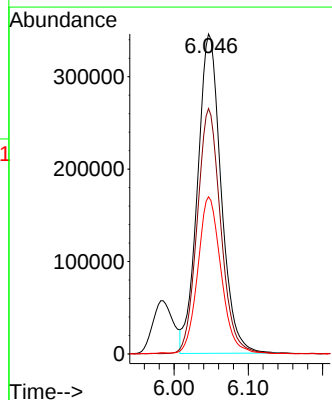
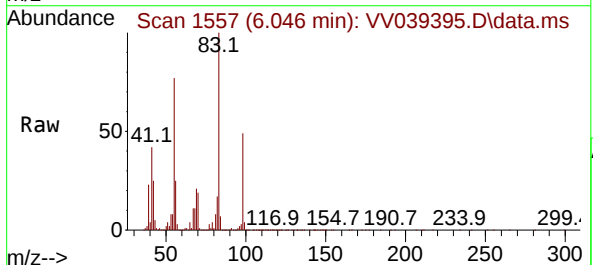
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

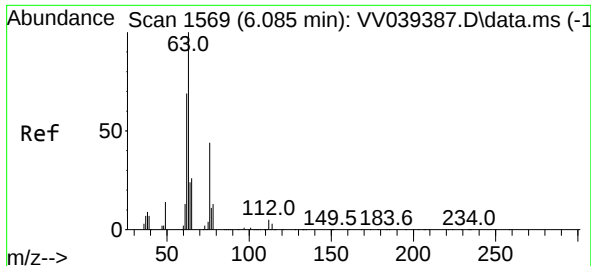
Tgt Ion: 95 Resp: 493468
Ion Ratio Lower Upper
95 100
97 63.7 44.4 82.5
132 103.2 71.9 133.5
130 106.3 74.4 138.2



#35
Methylcyclohexane
Concen: 54.271 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 83 Resp: 761239
Ion Ratio Lower Upper
83 100
55 76.7 62.5 93.7
98 48.5 39.2 58.8





#37

1,2-Dichloropropane

Concen: 50.762 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

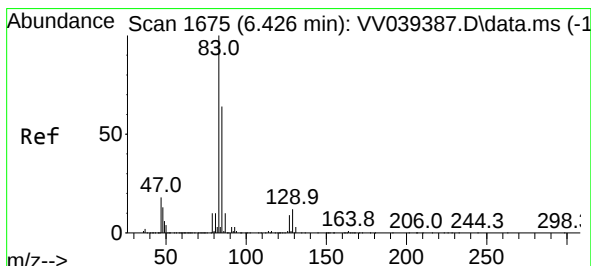
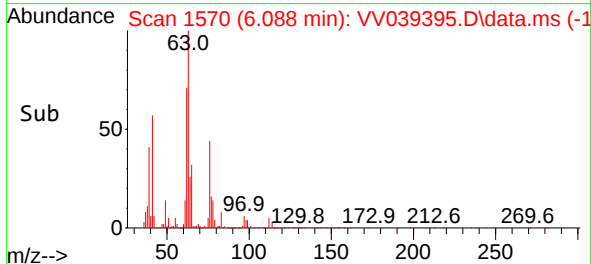
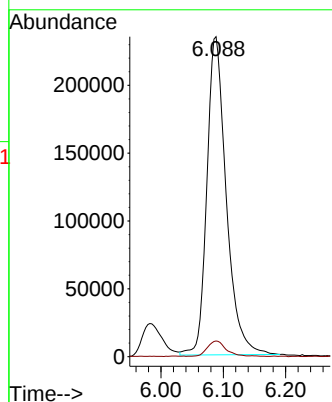
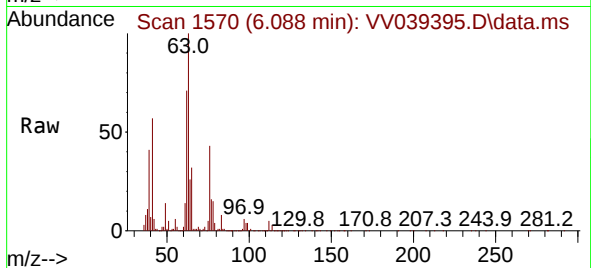
VSTD050330

Tgt Ion: 63 Resp: 507161

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 50.305 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

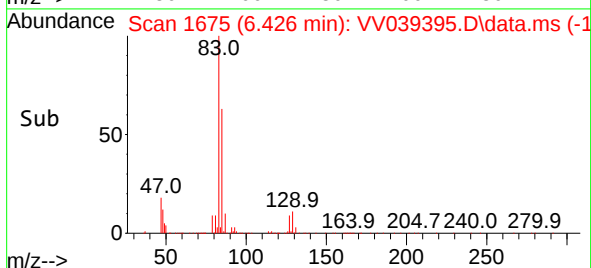
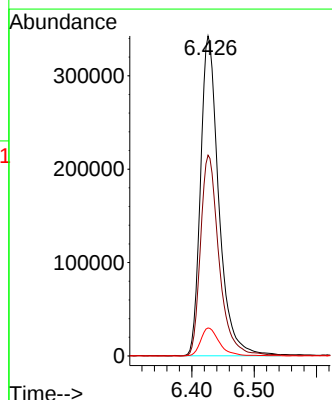
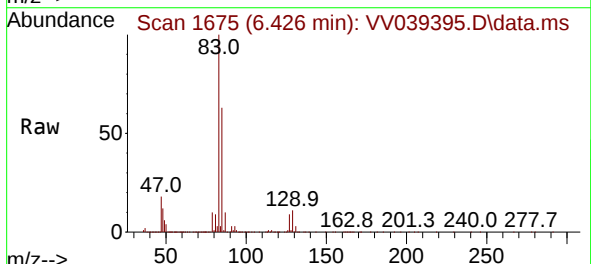
Tgt Ion: 83 Resp: 698712

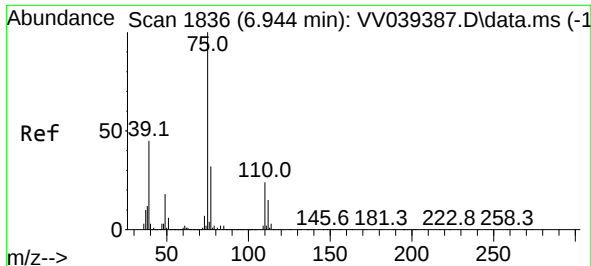
Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

127 8.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 52.739 ug/L

RT: 6.947 min Scan# 1836

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

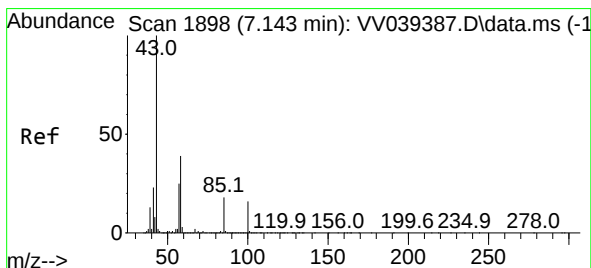
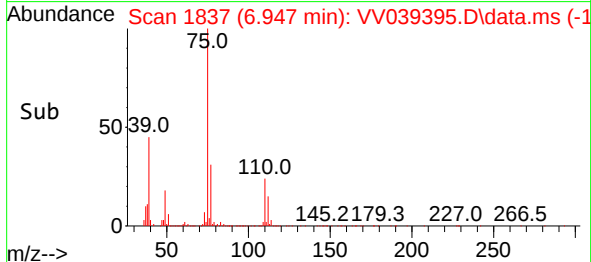
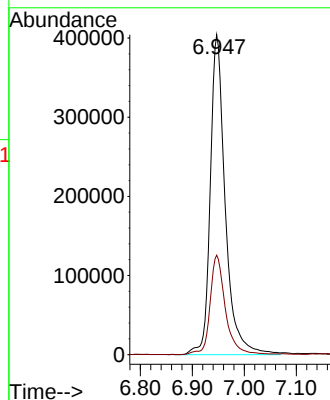
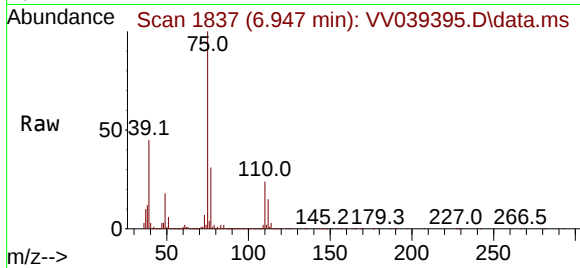
VSTD050330

Tgt Ion: 75 Resp: 811396

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 112.494 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

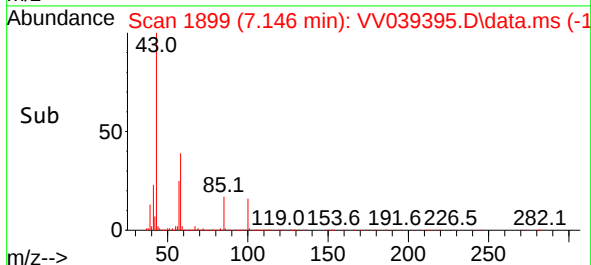
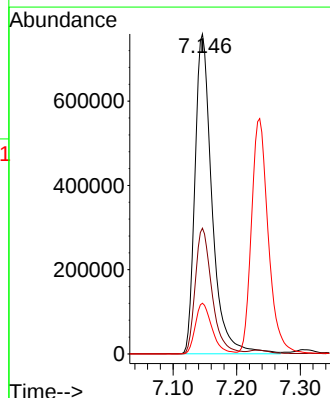
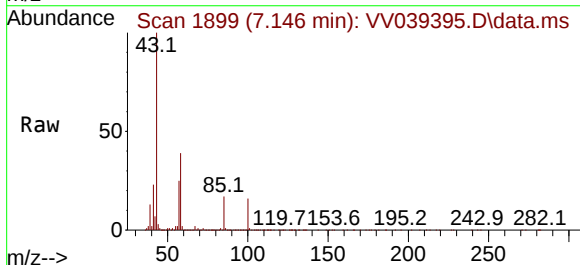
Tgt Ion: 43 Resp: 1413026

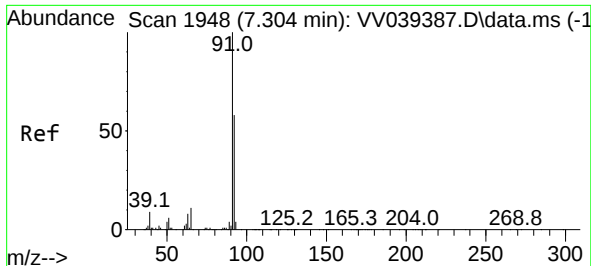
Ion Ratio Lower Upper

43 100

58 38.6 30.8 46.2

100 15.5 12.5 18.7





#42

Toluene

Concen: 54.349 ug/L

RT: 7.307 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

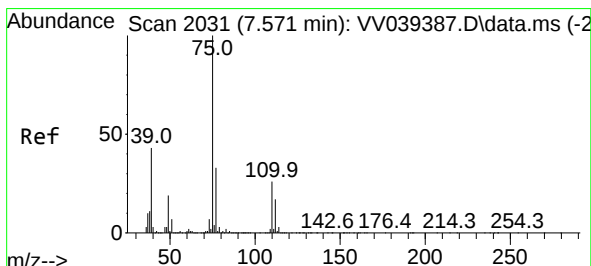
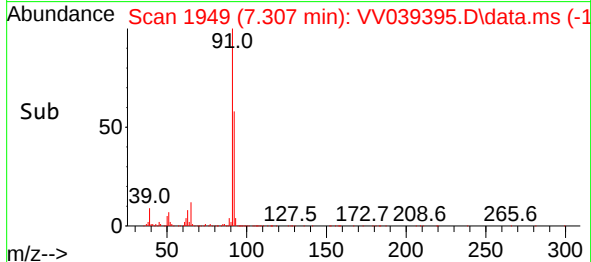
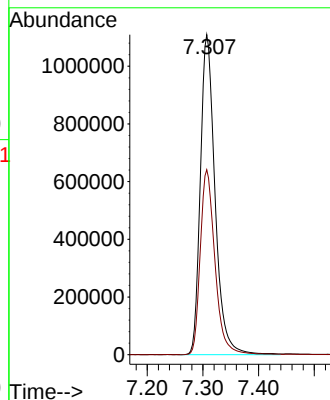
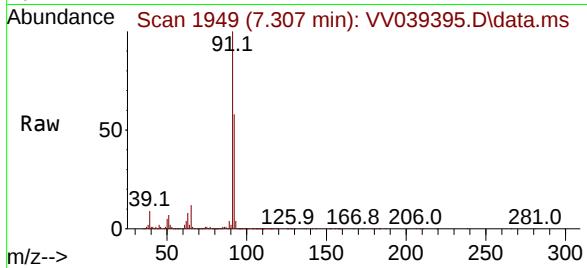
VSTD050330

Tgt Ion: 91 Resp: 2034870

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 52.420 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VV039395.D

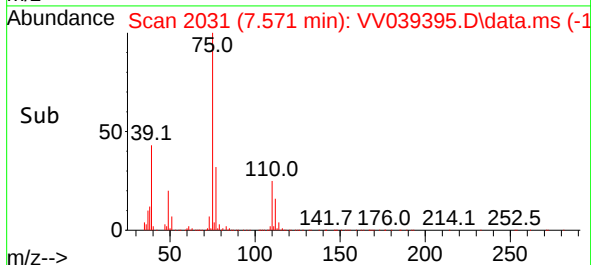
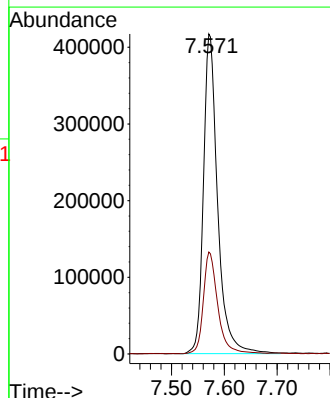
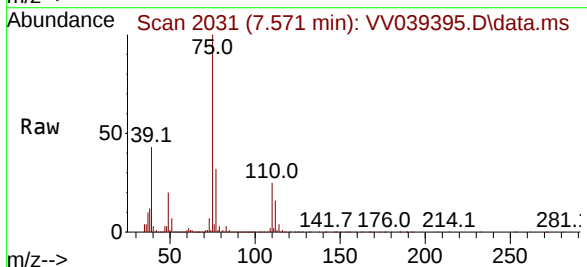
Acq: 17 Nov 2025 16:24

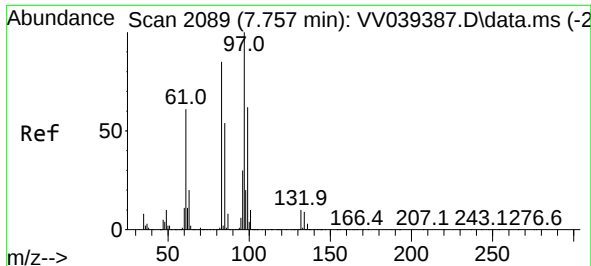
Tgt Ion: 75 Resp: 777443

Ion Ratio Lower Upper

75 100

77 31.8 23.0 42.6

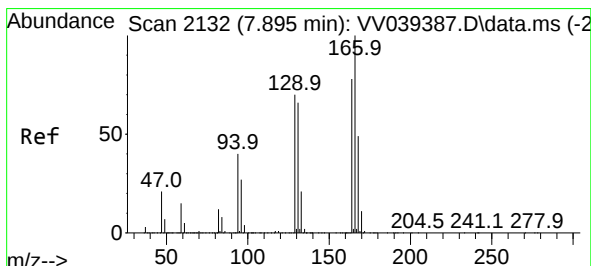
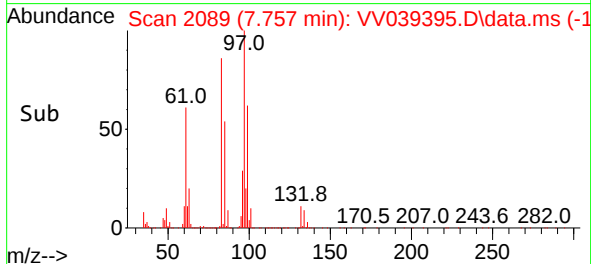
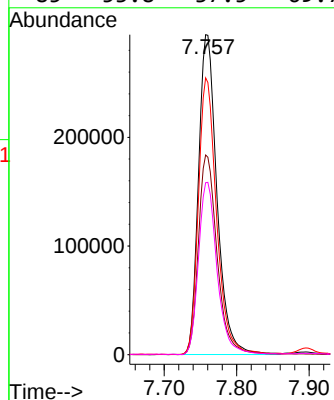
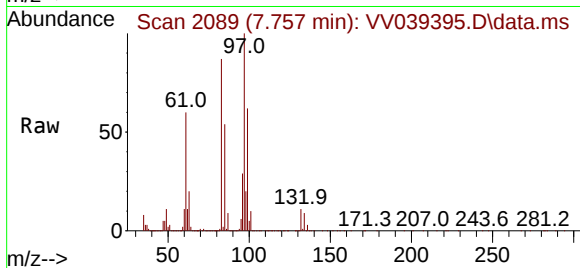




#45
1,1,2-Trichloroethane
Concen: 50.169 ug/L
RT: 7.757 min Scan# 2089
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

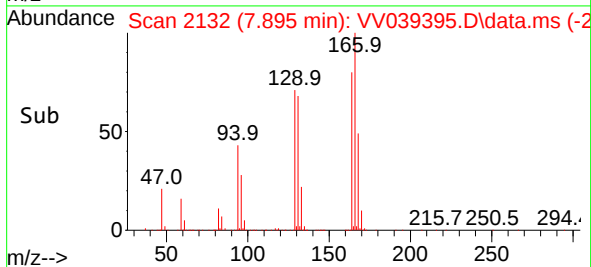
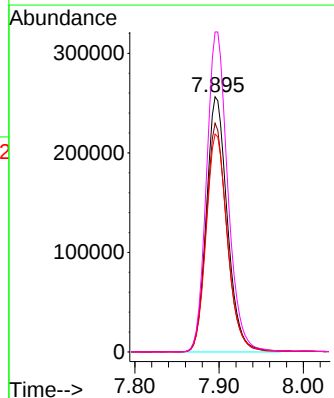
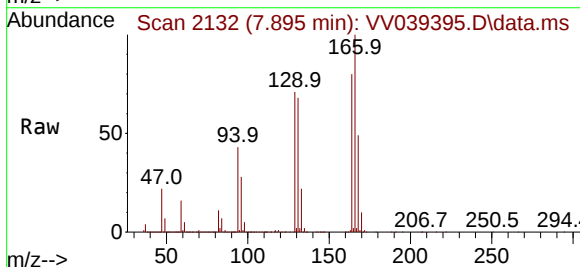
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

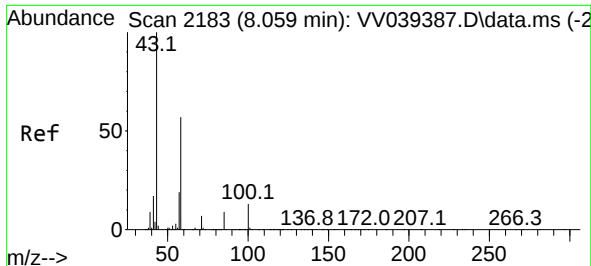
Tgt Ion:	97	Resp:	521348
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	86.5	59.1	109.9
85	53.8	37.5	69.7



#46
Tetrachloroethene
Concen: 50.796 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion:	164	Resp:	445369
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.0	115.2
131	85.4	59.1	109.7
166	125.4	89.2	165.8

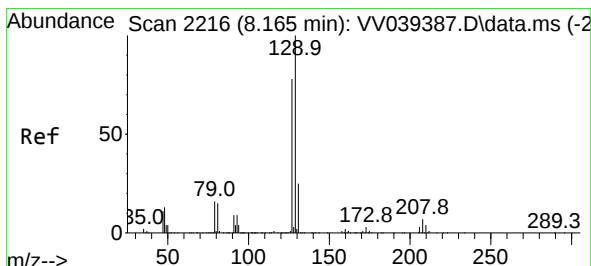
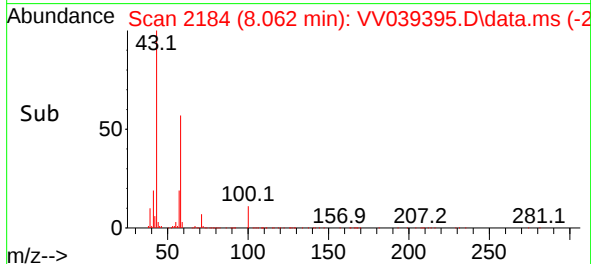
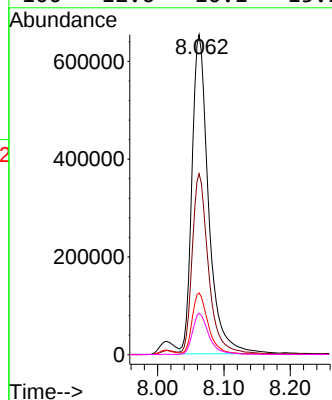
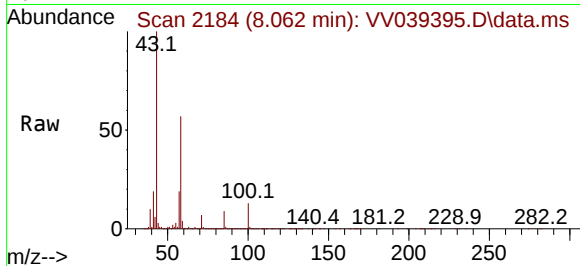




#48
2-Hexanone
Concen: 108.190 ug/L
RT: 8.062 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

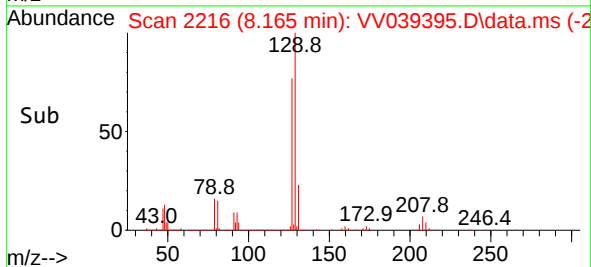
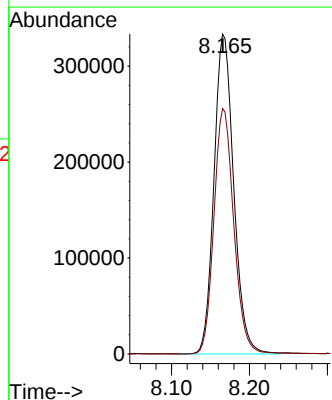
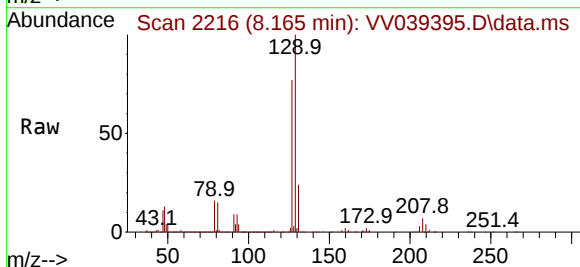
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

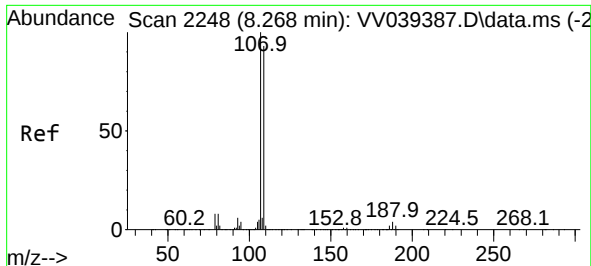
Tgt Ion: 43 Resp: 1135303
Ion Ratio Lower Upper
43 100
58 55.2 45.0 67.4
57 18.2 15.0 22.6
100 12.6 10.1 15.1



#49
Dibromochloromethane
Concen: 49.387 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion:129 Resp: 586282
Ion Ratio Lower Upper
129 100
127 76.7 54.8 101.8





#50

1,2-Dibromoethane

Concen: 49.262 ug/L

RT: 8.271 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD050330

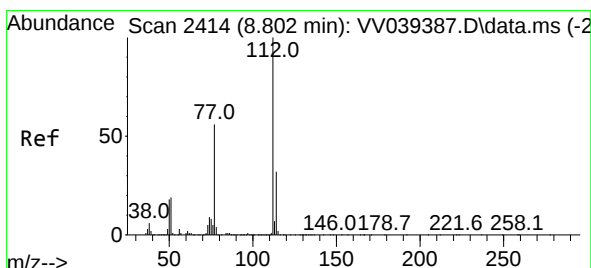
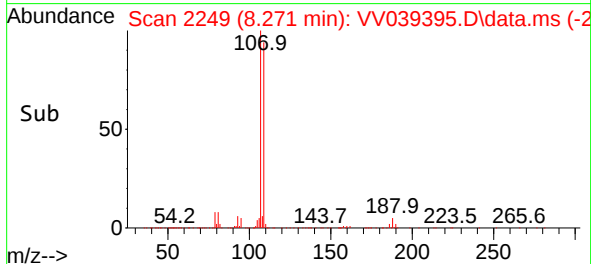
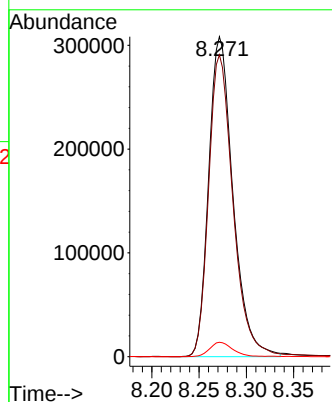
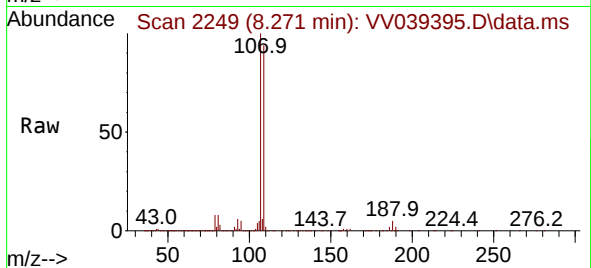
Tgt Ion:107 Resp: 551477

Ion Ratio Lower Upper

107 100

109 94.4 65.0 120.8

188 4.5 3.2 4.8



#51

Chlorobenzene

Concen: 49.875 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

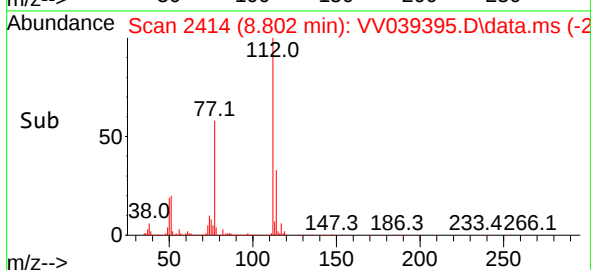
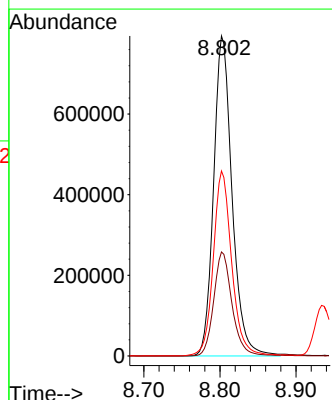
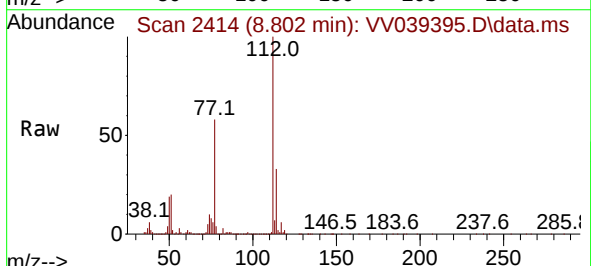
Tgt Ion:112 Resp: 1338567

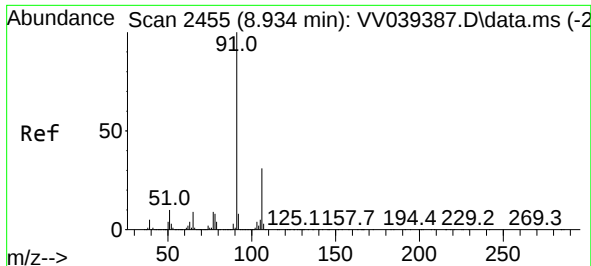
Ion Ratio Lower Upper

112 100

114 32.5 22.4 41.6

77 57.8 45.1 67.7

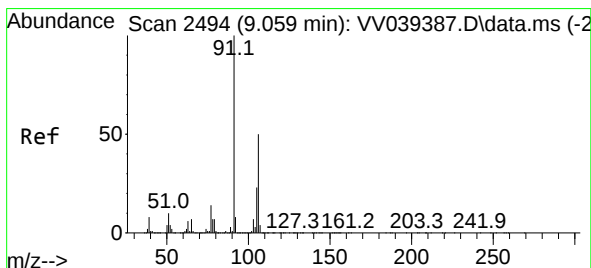
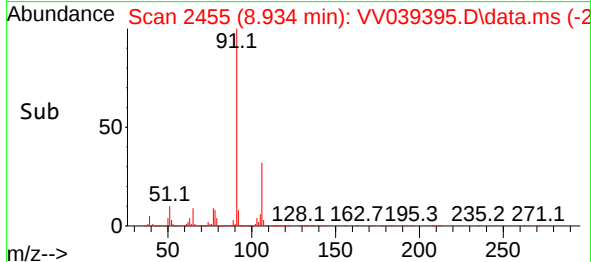
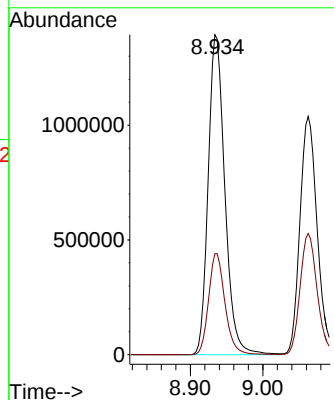
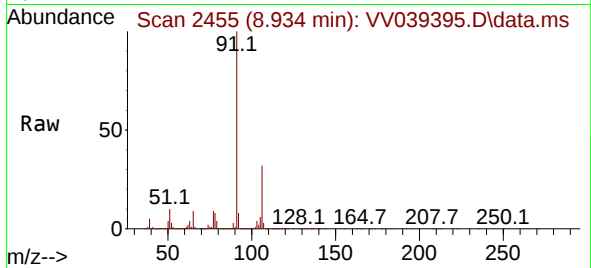




#52
Ethylbenzene
Concen: 54.649 ug/L
RT: 8.934 min Scan# 2455
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

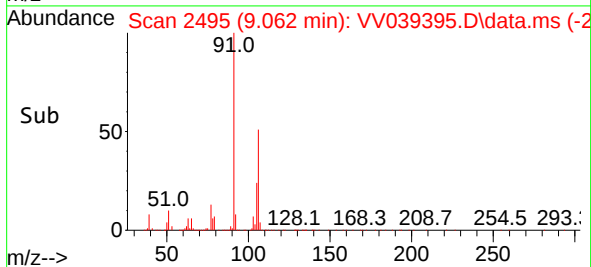
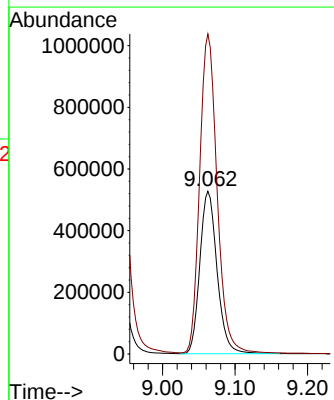
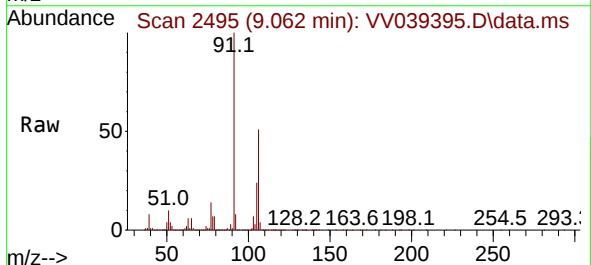
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

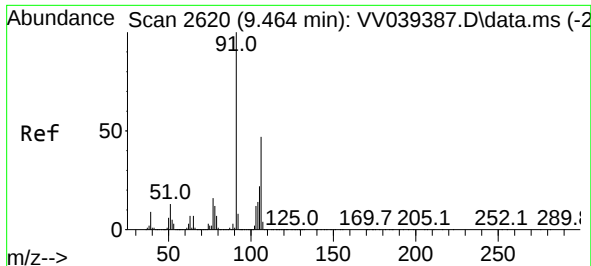
Tgt Ion: 91 Resp: 2224148
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#53
m,p-Xylene
Concen: 55.830 ug/L
RT: 9.062 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion:106 Resp: 869710
Ion Ratio Lower Upper
106 100
91 196.6 141.1 262.1

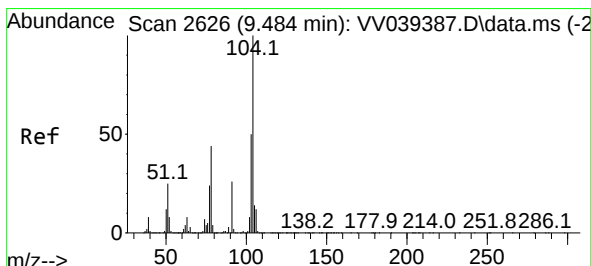
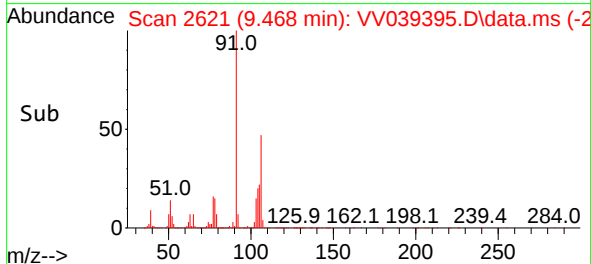
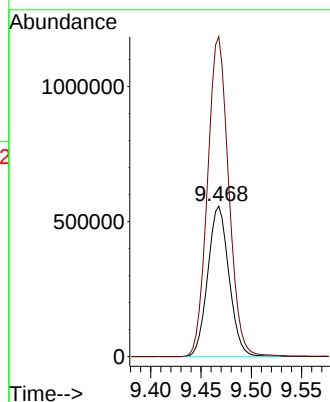
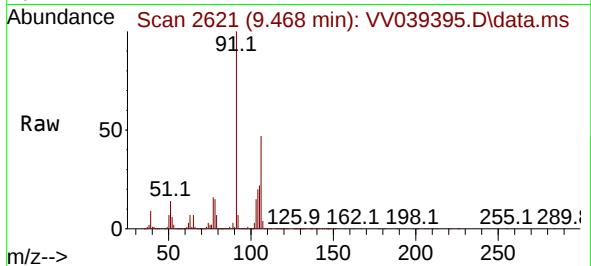




#54
o-Xylene
Concen: 54.965 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

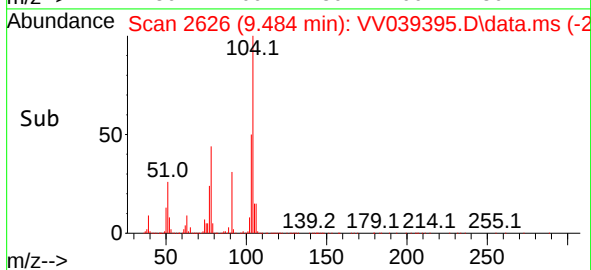
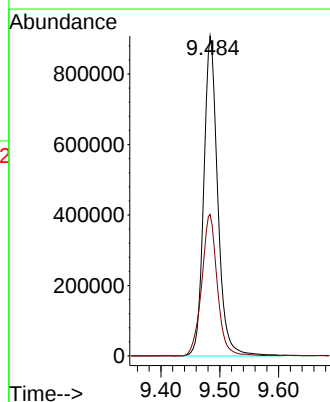
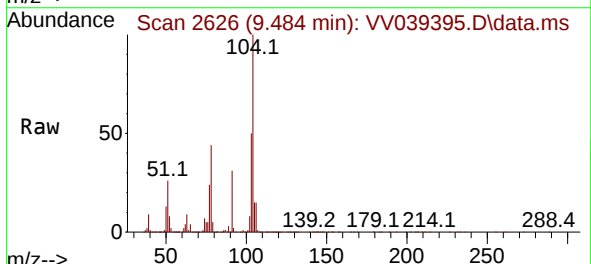
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

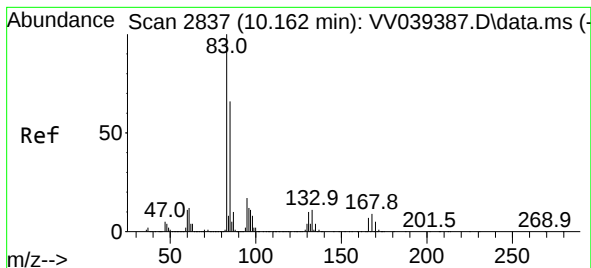
Tgt Ion:106 Resp: 818217
Ion Ratio Lower Upper
106 100
91 212.6 149.0 276.6



#55
Styrene
Concen: 57.212 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion:104 Resp: 1497786
Ion Ratio Lower Upper
104 100
78 44.3 30.5 56.7

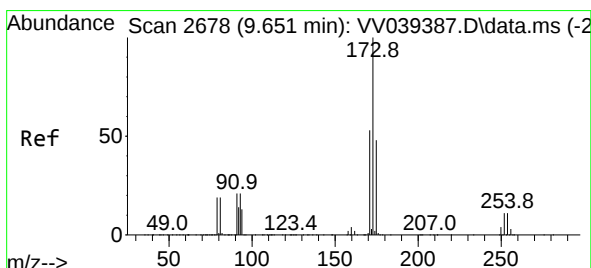
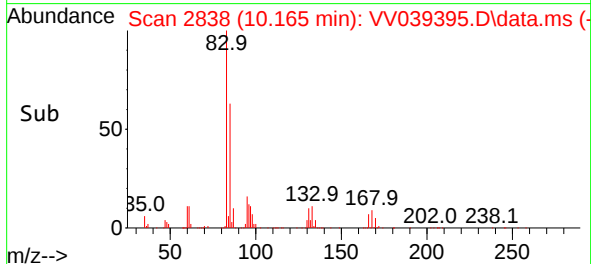
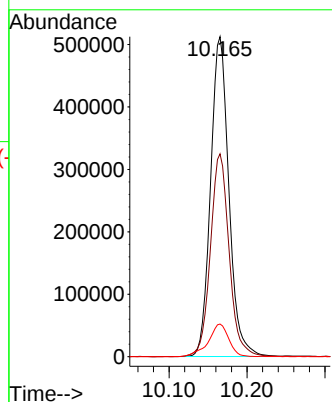
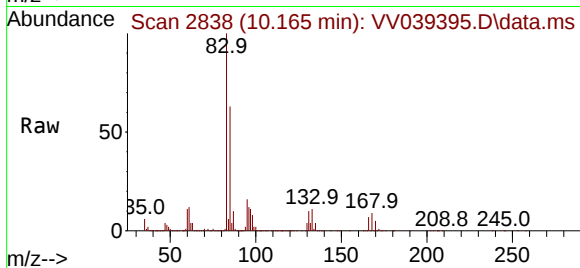




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.021 ug/L
 RT: 10.165 min Scan# 2837
 Delta R.T. 0.003 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

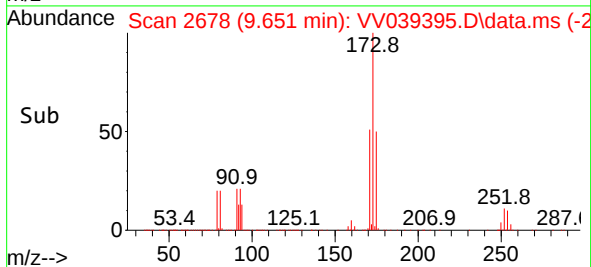
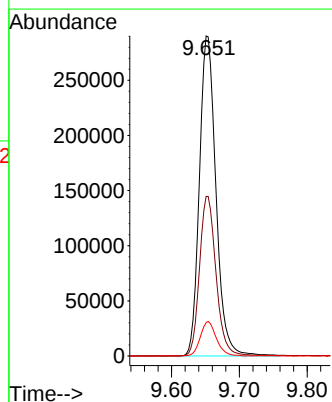
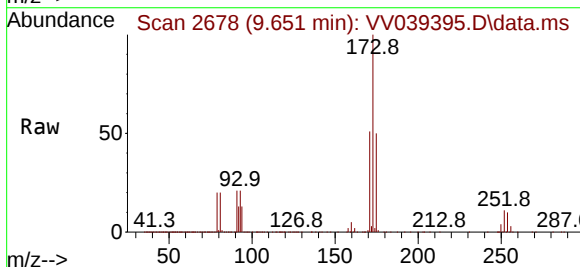
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

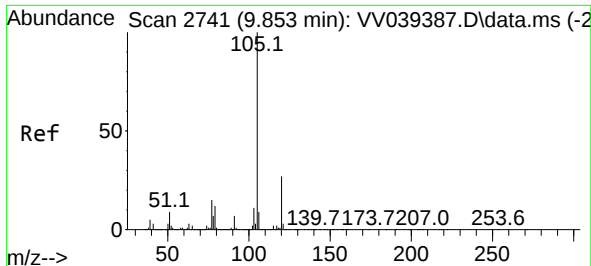
Tgt Ion: 83 Resp: 835215
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.1 85.5
 131 10.2 8.3 12.5



#59
 Bromoform
 Concen: 48.059 ug/L
 RT: 9.651 min Scan# 2678
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

Tgt Ion: 173 Resp: 492874
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.5 57.7
 254 10.4 8.4 12.6

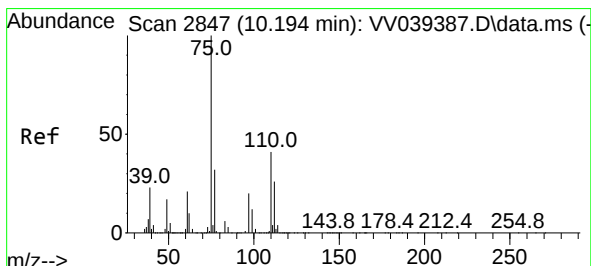
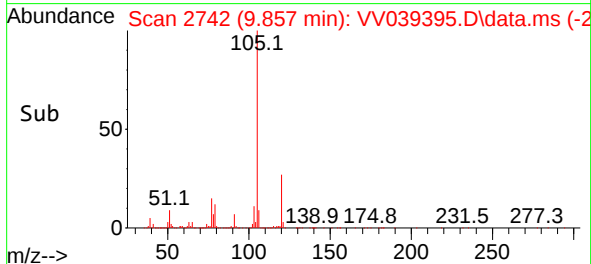
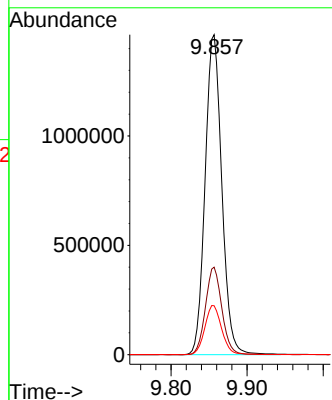
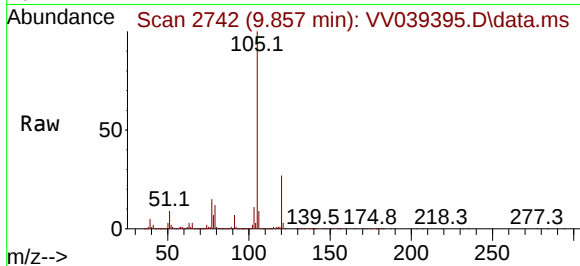




#60
Isopropylbenzene
Concen: 54.706 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

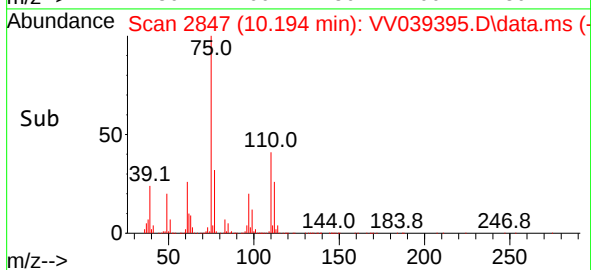
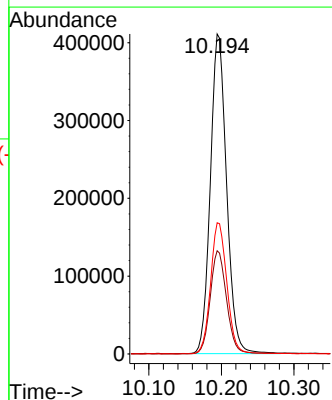
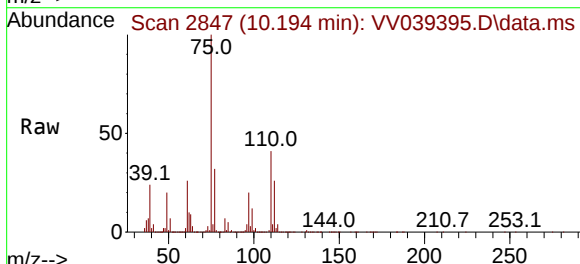
Instrument :
MSVOA_V
ClientSampleId :
VSTD050330

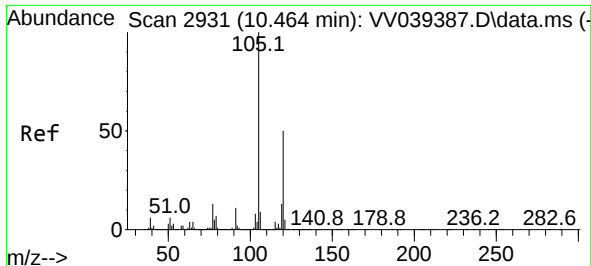
Tgt Ion:105 Resp: 2231265
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 49.020 ug/L
RT: 10.194 min Scan# 2847
Delta R.T. 0.000 min
Lab File: VV039395.D
Acq: 17 Nov 2025 16:24

Tgt Ion: 75 Resp: 640499
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 41.2 32.6 49.0

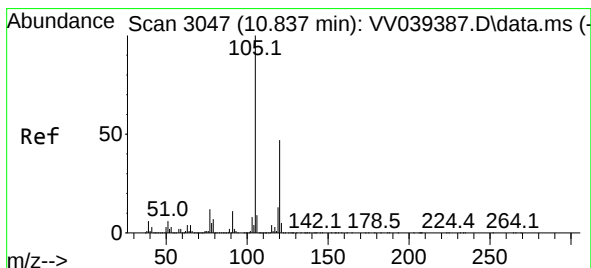
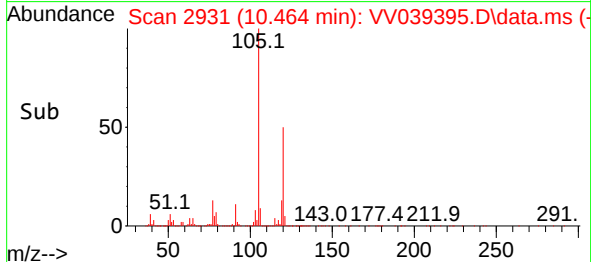
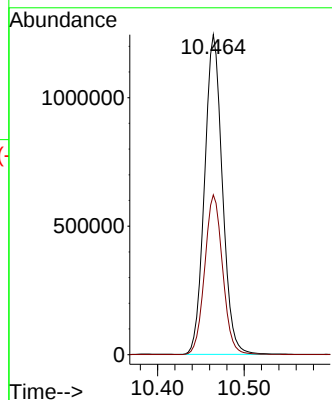
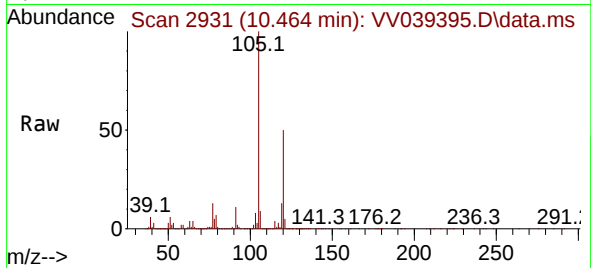




#62
 1,3,5-Trimethylbenzene
 Concen: 55.911 ug/L
 RT: 10.464 min Scan# 2931
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

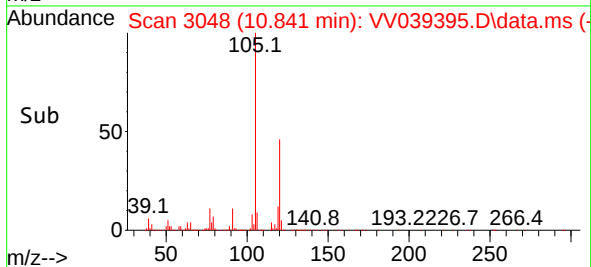
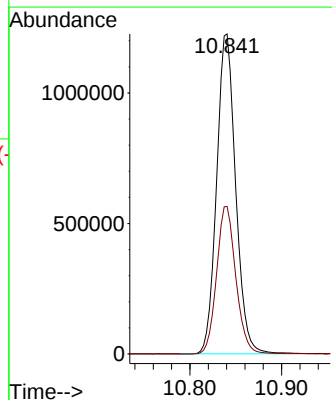
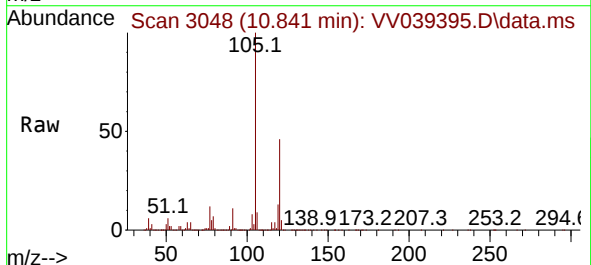
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

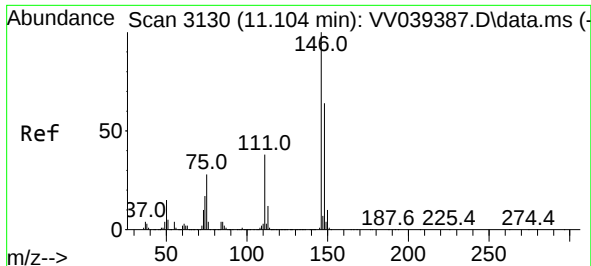
Tgt Ion:105 Resp: 1780930
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 56.382 ug/L
 RT: 10.841 min Scan# 3048
 Delta R.T. 0.003 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

Tgt Ion:105 Resp: 1765898
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.4 56.2

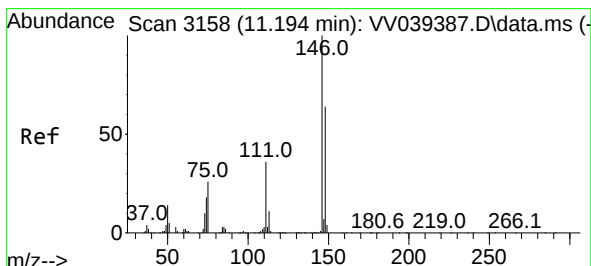
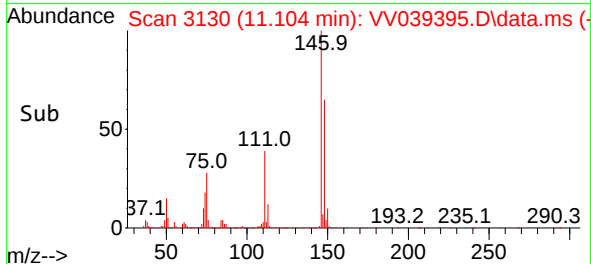
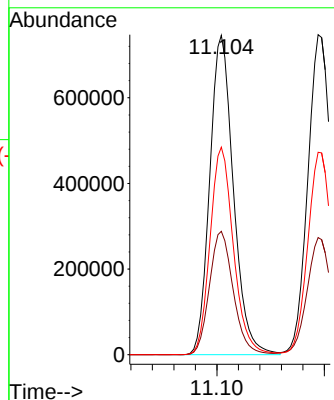
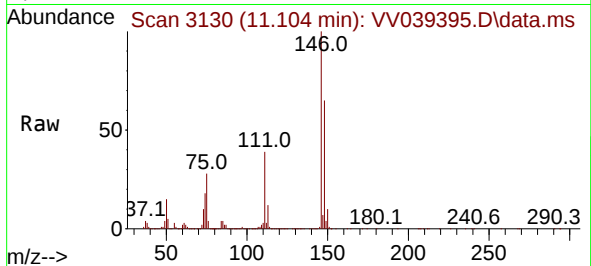




#64
 1,3-Dichlorobenzene
 Concen: 51.310 ug/L
 RT: 11.104 min Scan# 3130
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

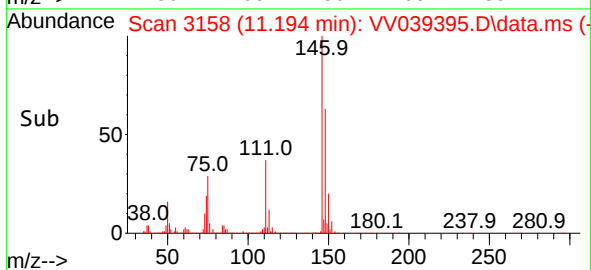
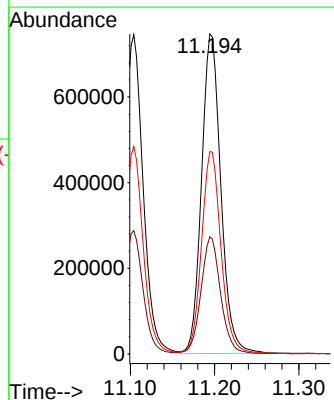
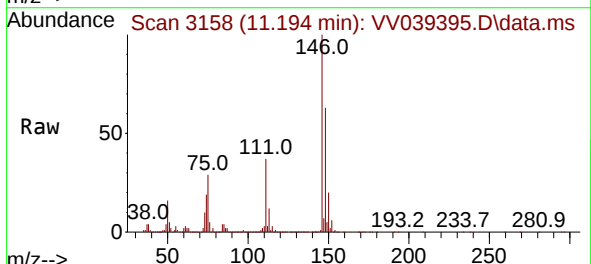
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

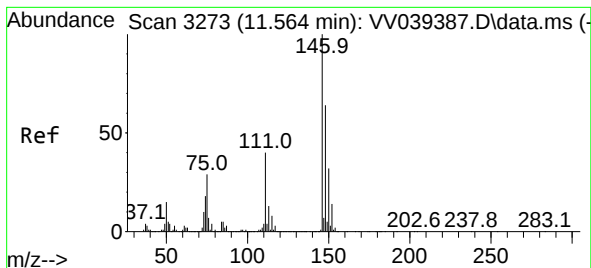
Tgt Ion:146 Resp: 1139340
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.5 49.3
 148 65.0 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 49.816 ug/L
 RT: 11.194 min Scan# 3158
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

Tgt Ion:146 Resp: 1191758
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.6 47.4
 148 63.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.531 ug/L

RT: 11.564 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD050330

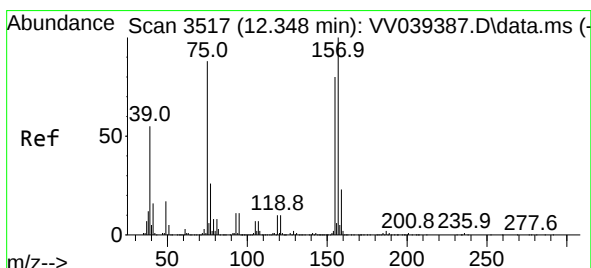
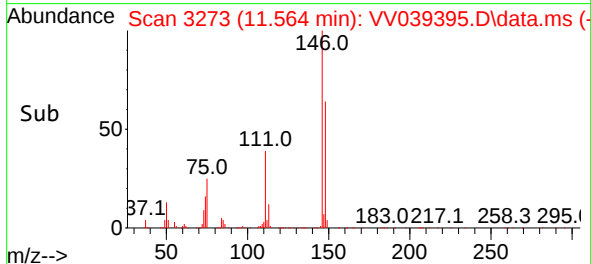
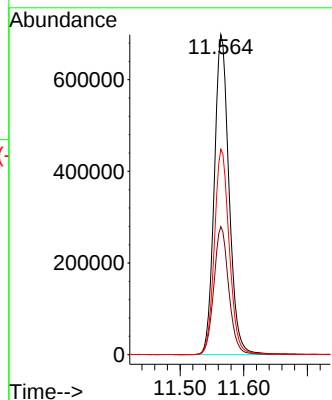
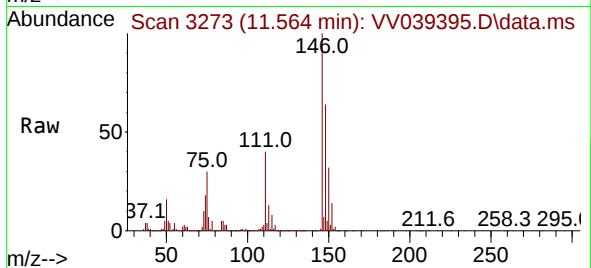
Tgt Ion:146 Resp: 1120577

Ion Ratio Lower Upper

146 100

111 40.0 32.2 48.2

148 64.2 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.518 ug/L

RT: 12.348 min Scan# 3517

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

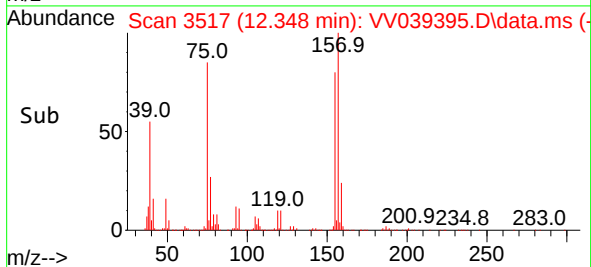
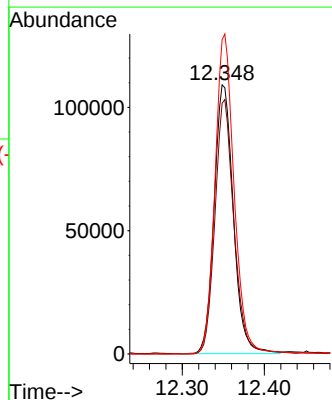
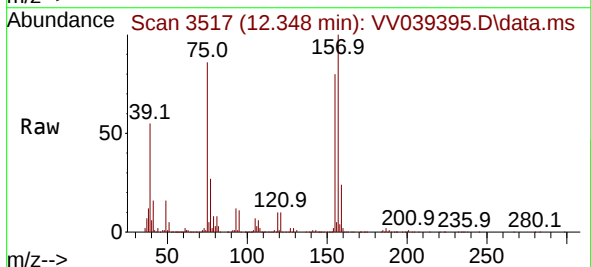
Tgt Ion: 75 Resp: 177976

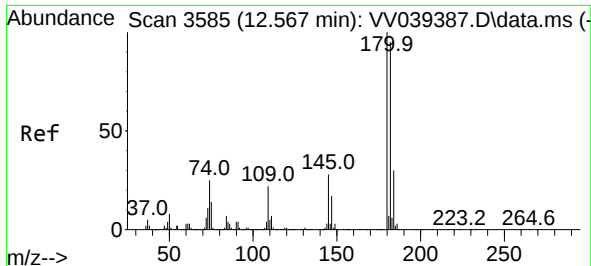
Ion Ratio Lower Upper

75 100

155 93.2 73.0 109.4

157 116.8 91.0 136.4

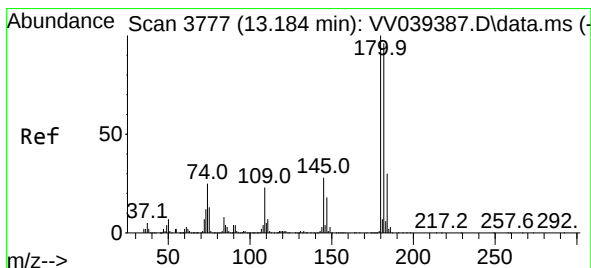
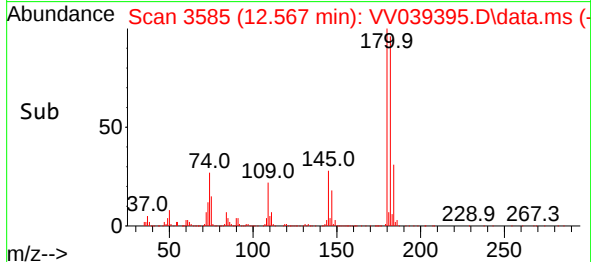
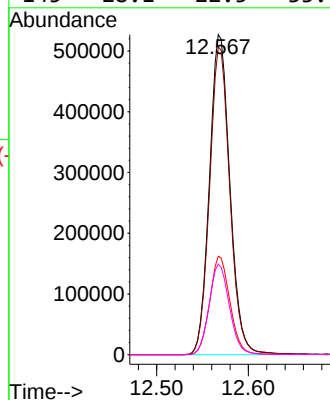
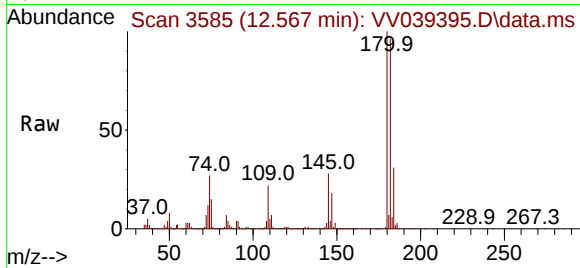




#69
 1,3,5-Trichlorobenzene
 Concen: 51.674 ug/L
 RT: 12.567 min Scan# 3585
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

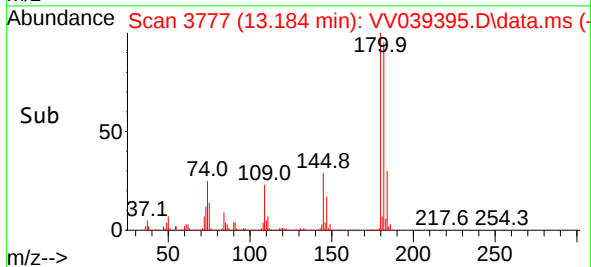
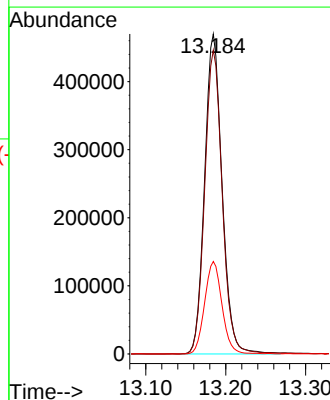
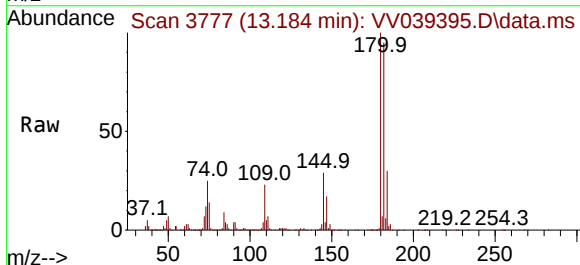
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050330

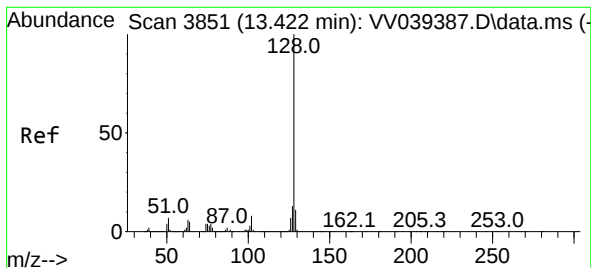
Tgt Ion:	180	Resp:	817323
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
184	30.4	24.3	36.5
145	28.1	22.5	33.7



#70
 1,2,4-trichlorobenzene
 Concen: 51.937 ug/L
 RT: 13.184 min Scan# 3777
 Delta R.T. 0.000 min
 Lab File: VV039395.D
 Acq: 17 Nov 2025 16:24

Tgt Ion:	180	Resp:	715799
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	28.7	22.5	33.7





#71

Naphthalene

Concen: 55.013 ug/L

RT: 13.422 min Scan# 3851

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD050330

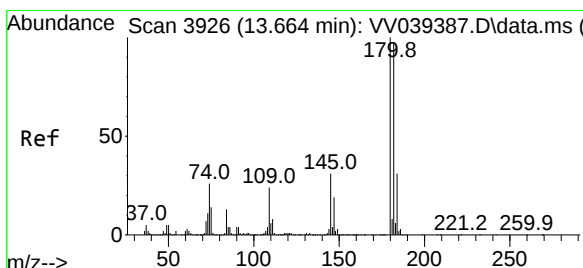
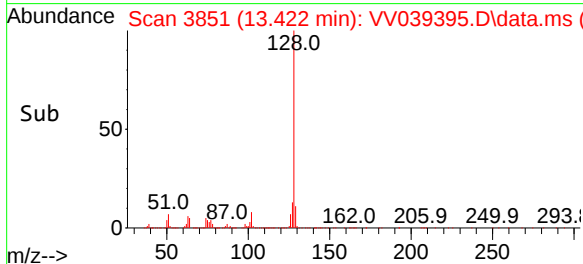
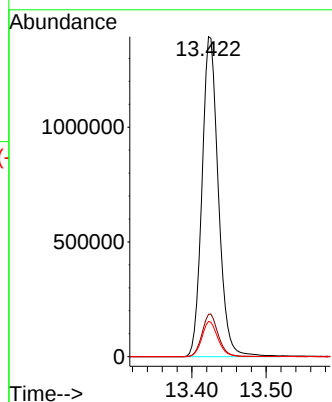
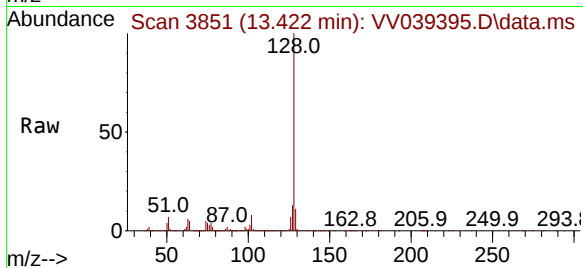
Tgt Ion:128 Resp: 2134804

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.617 ug/L

RT: 13.664 min Scan# 3926

Delta R.T. 0.000 min

Lab File: VV039395.D

Acq: 17 Nov 2025 16:24

Tgt Ion:180 Resp: 765594

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

145 30.7 24.3 36.5

