

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050323\
 Data File : VW030983.D
 Acq On : 03 May 2023 14:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005341

Quant Time: May 04 05:38:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 04 05:37:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	129019	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	125766	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	77325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	44570	4.193	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.535	69	38142	4.399	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.063	65	23004	4.089	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	3.825	46	86515	45.897	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.800%
24) Chloroform-d	4.256	84	100474	4.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.947	65	48514	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	4.966	84	159879	4.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	5.992	67	46161	4.306	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.246	98	149383	4.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	7.561	79	18507	4.606	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.034	63	65888	46.801	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.600%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	37902	4.878	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	64293	4.460	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	50583	4.963	ug/L	100
3) Chloromethane	1.217	50	54374	4.546	ug/L	99
5) Vinyl chloride	1.285	62	48698	4.864	ug/L	98
6) Bromomethane	1.490	94	23122	4.849	ug/L	98
8) Chloroethane	1.552	64	29910	4.909	ug/L	98
9) Trichlorofluoromethane	1.716	101	92228	4.993	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	48297	5.122	ug/L	98
12) 1,1-Dichloroethene	2.072	96	43648	5.027	ug/L	94
13) Acetone	2.162	43	66166	41.093	ug/L	99
14) Carbon disulfide	2.243	76	102948	4.531	ug/L	98
15) Methyl Acetate	2.391	43	14972	4.570	ug/L	93
16) Methylene chloride	2.452	84	45424	4.625	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	86119	5.210	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	37979	4.789	ug/L	99
19) 1,1-Dichloroethane	3.117	63	79533	5.193	ug/L	98
21) 2-Butanone	3.908	43	78924	44.569	ug/L	87
22) cis-1,2-Dichloroethene	3.818	96	41700	4.983	ug/L	98
23) Bromochloromethane	4.153	128	19947	5.063	ug/L	98
25) Chloroform	4.281	83	88772	5.403	ug/L	94

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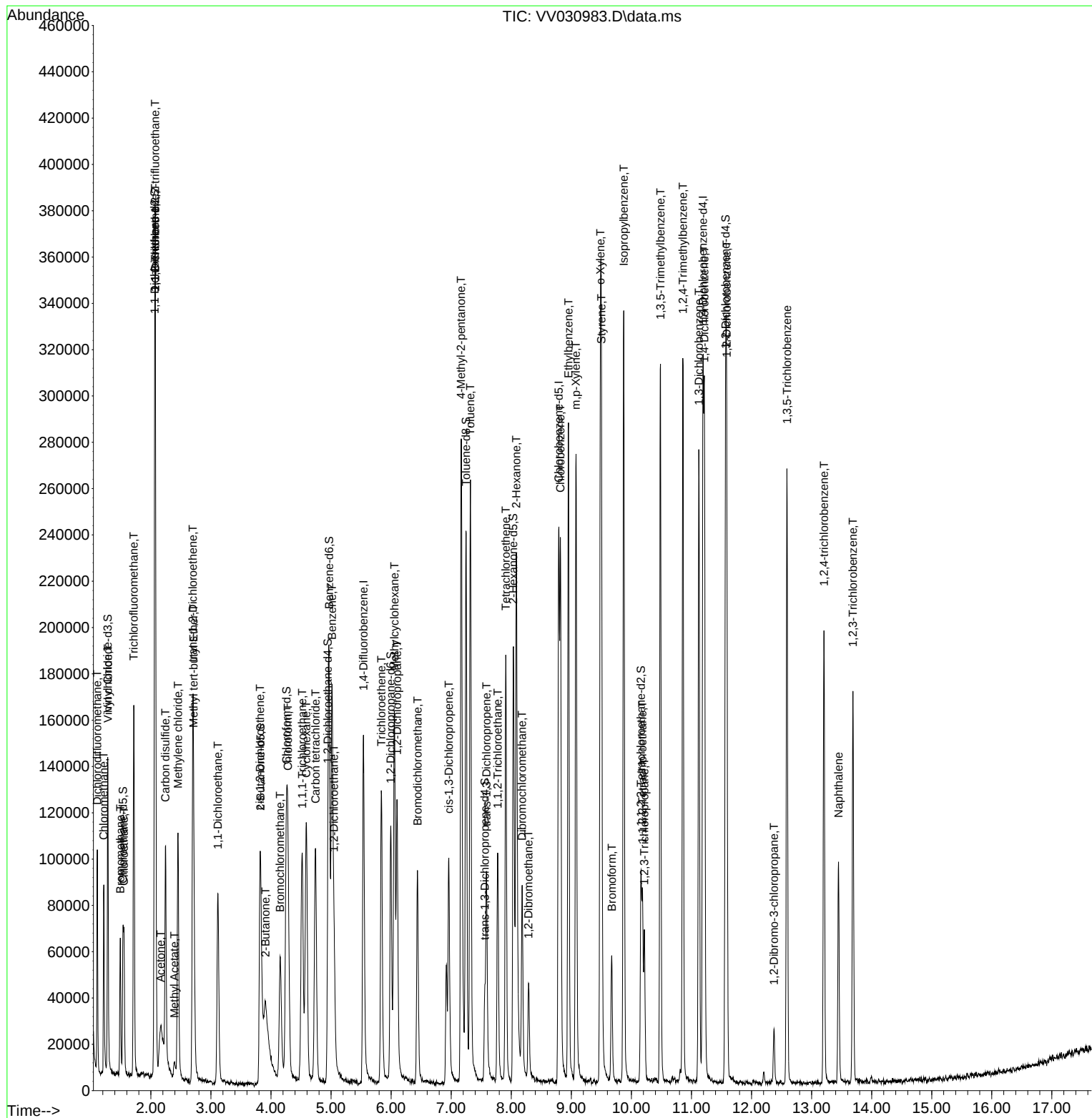
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	55534	5.385	ug/L	100
29) 1,1,1-Trichloroethane	4.519	97	84011	5.316	ug/L	97
30) Cyclohexane	4.587	56	54630	4.577	ug/L	98
31) Carbon tetrachloride	4.741	117	75972	5.352	ug/L	96
33) Benzene	5.014	78	165476	5.231	ug/L	100
34) Trichloroethene	5.838	95	42929	5.091	ug/L	97
35) Methylcyclohexane	6.056	83	60902	4.660	ug/L	100
37) 1,2-Dichloropropane	6.098	63	39868	5.313	ug/L #	97
38) Bromodichloromethane	6.439	83	58572	5.333	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	57782	5.141	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	205563	52.873	ug/L	98
42) Toluene	7.320	91	184308	5.411	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	50061	5.228	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	29910	5.372	ug/L	97
47) Tetrachloroethene	7.908	164	41636	5.175	ug/L	96
48) 2-Hexanone	8.085	43	157725	52.893	ug/L	98
49) Dibromochloromethane	8.181	129	38933	5.558	ug/L	97
50) 1,2-Dibromoethane	8.288	107	25756	5.187	ug/L	96
51) Chlorobenzene	8.818	112	121510	5.262	ug/L	98
52) Ethylbenzene	8.953	91	192584	5.186	ug/L	97
53) m,p-Xylene	9.079	106	75655	5.105	ug/L	100
54) o-Xylene	9.484	106	72287	5.126	ug/L	98
55) Styrene	9.503	104	126156	5.301	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	34133	5.485	ug/L	95
59) Bromoform	9.673	173	23475	5.158	ug/L	99
60) Isopropylbenzene	9.873	105	201454	4.832	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23942	4.929	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	160458	4.728	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	161932	4.709	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	108097	5.049	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	108029	5.001	ug/L	95
67) 1,2-Dichlorobenzene	11.586	146	95960	4.984	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	5880	4.769	ug/L #	92
69) 1,3,5-Trichlorobenzene	12.590	180	81340	4.798	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	61726	4.738	ug/L	98
71) Naphthalene	13.448	128	76038	4.070	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	50965	4.621	ug/L	98

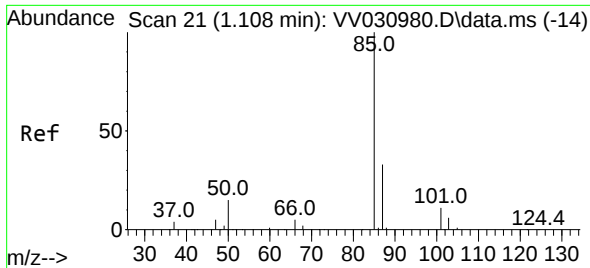
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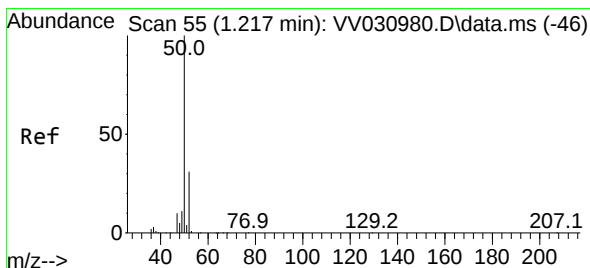
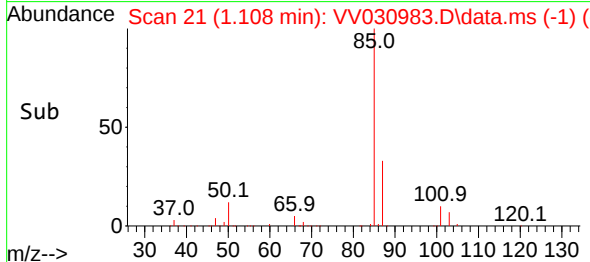
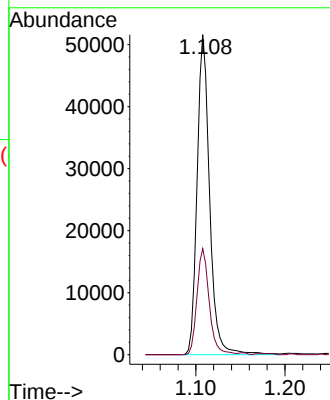
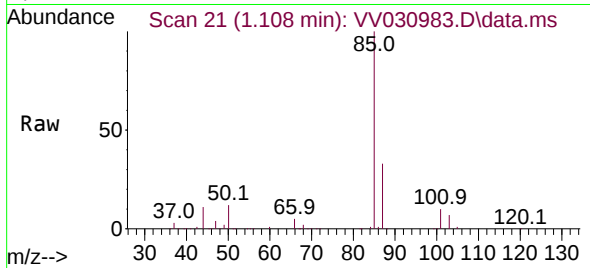




#2
 Dichlorodifluoromethane
 Concen: 4.963 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

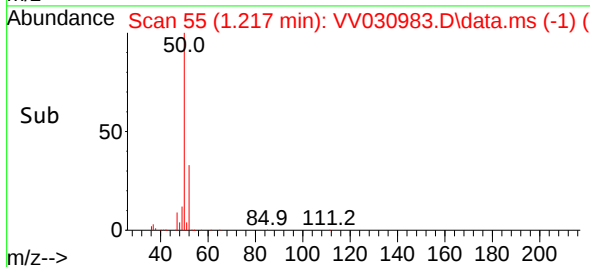
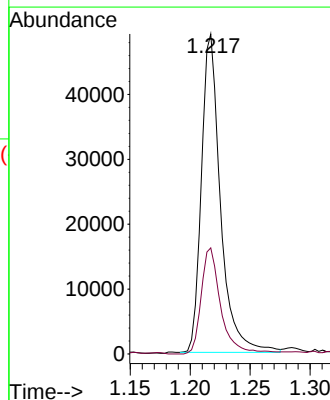
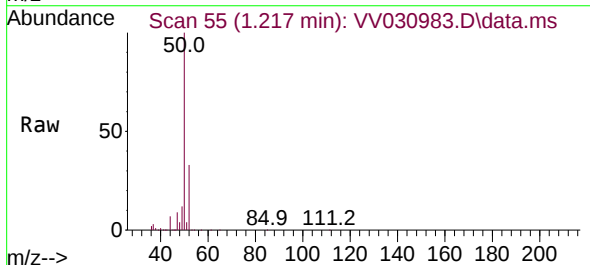
Instrument :
 MSVOA_V
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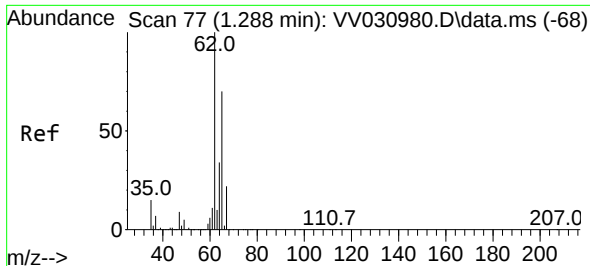
Tgt Ion: 85 Resp: 50583
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 4.546 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

Tgt Ion: 50 Resp: 54374
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4

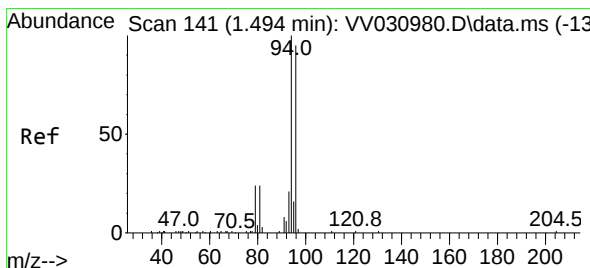
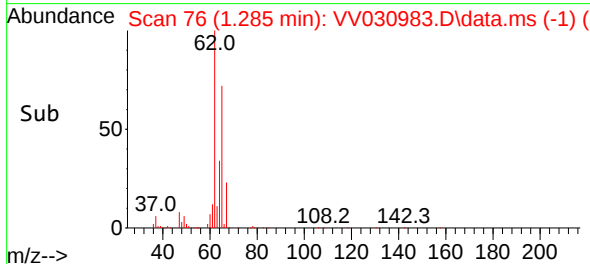
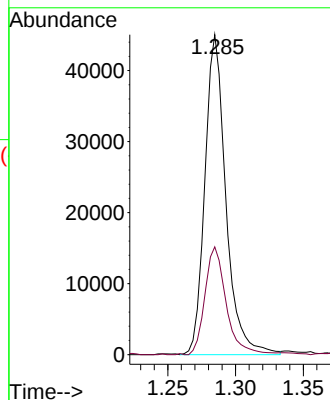
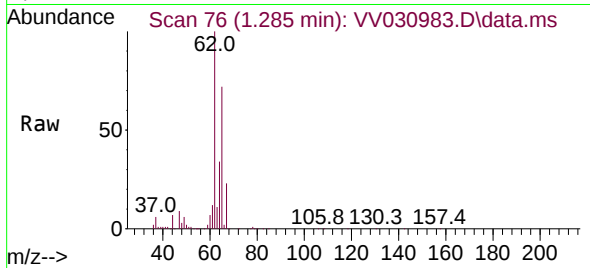




#5
 Vinyl chloride
 Concen: 4.864 ug/L
 RT: 1.285 min Scan# 77
 Delta R.T. -0.003 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

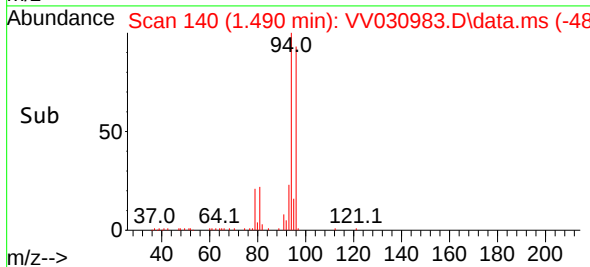
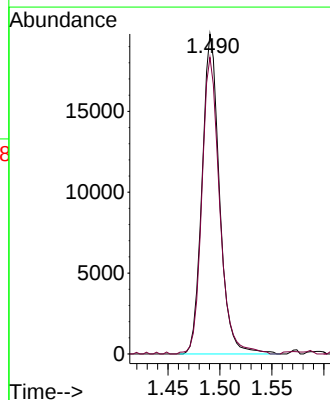
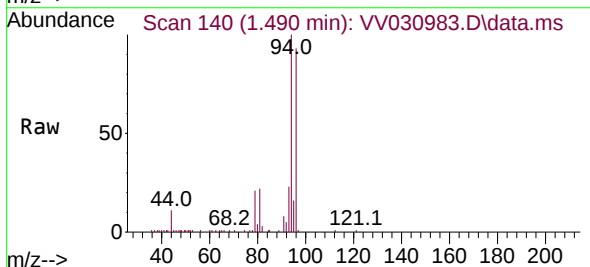
Instrument :
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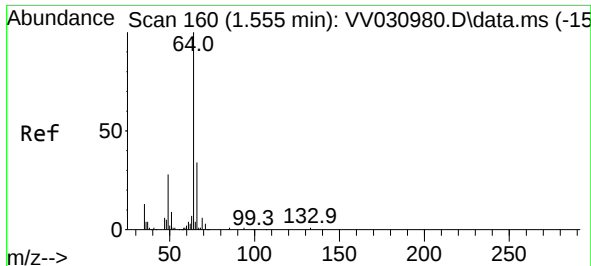
Tgt Ion: 62 Resp: 48698
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.8 42.4



#6
 Bromomethane
 Concen: 4.849 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

Tgt Ion: 94 Resp: 23122
 Ion Ratio Lower Upper
 94 100
 96 92.7 63.4 117.8

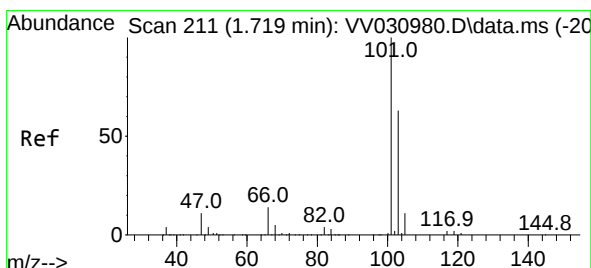
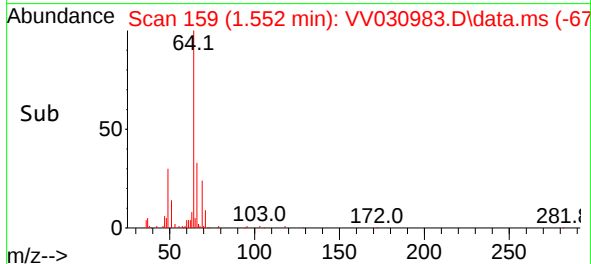
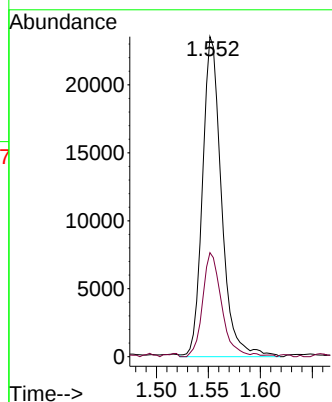
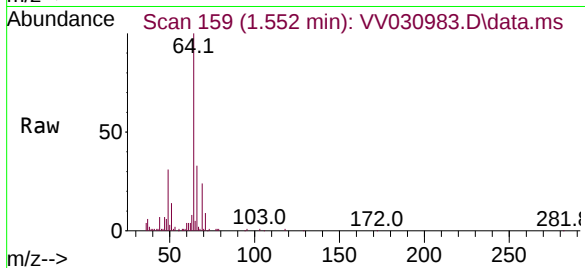




#8
Chloroethane
Concen: 4.909 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

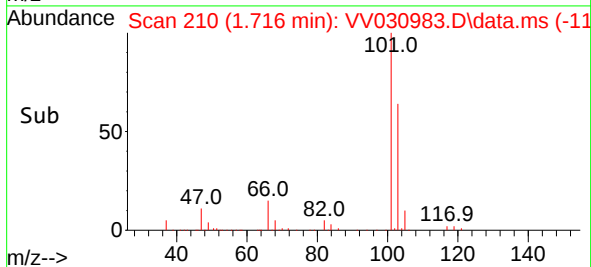
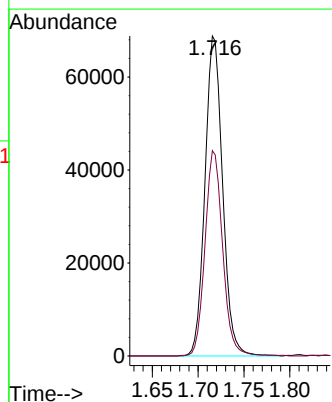
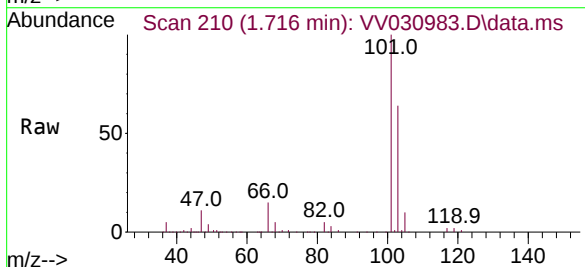
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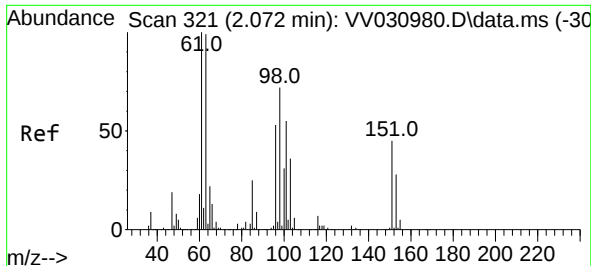
Tgt Ion: 64 Resp: 29910
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.993 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 101 Resp: 92228
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8





#10

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

Concen: 5.122 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

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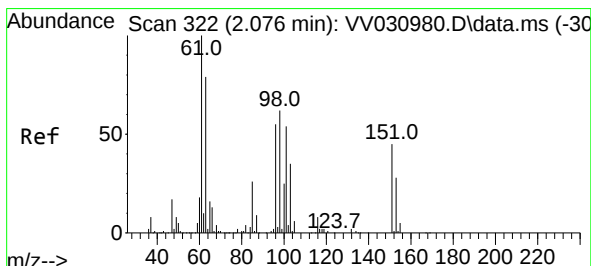
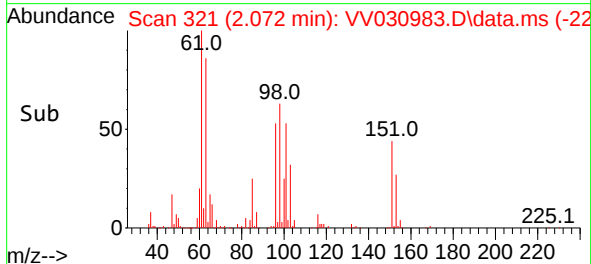
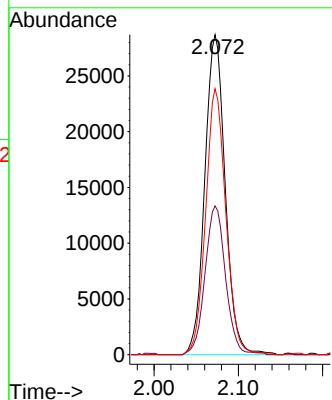
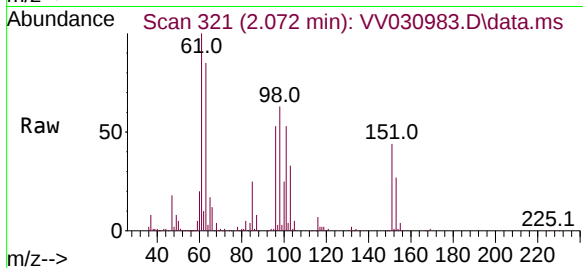
Tgt Ion:101 Resp: 48297

Ion Ratio Lower Upper

101 100

85 46.9 38.7 58.1

151 82.5 65.1 97.7



#12

1,1-Dichloroethene

Concen: 5.027 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

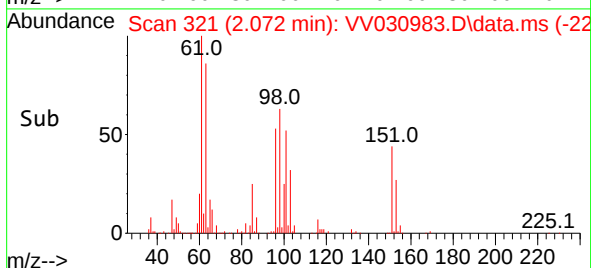
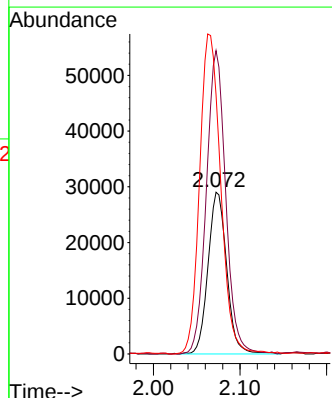
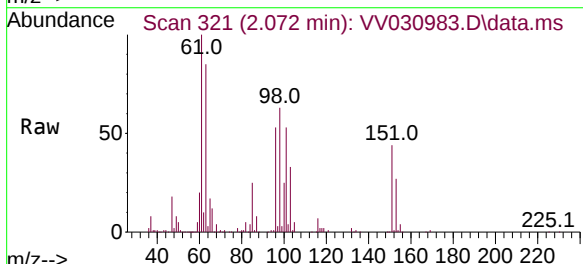
Tgt Ion: 96 Resp: 43648

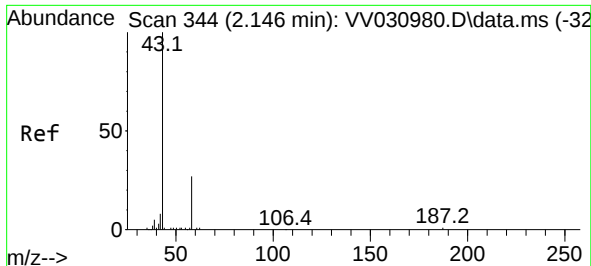
Ion Ratio Lower Upper

96 100

61 187.6 135.6 251.8

63 160.3 121.1 224.9





#13

Acetone

Concen: 41.093 ug/L

RT: 2.162 min Scan# 34

Delta R.T. 0.016 min

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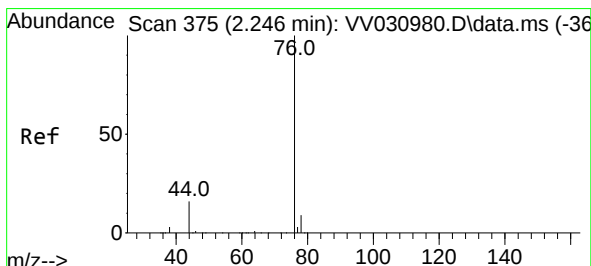
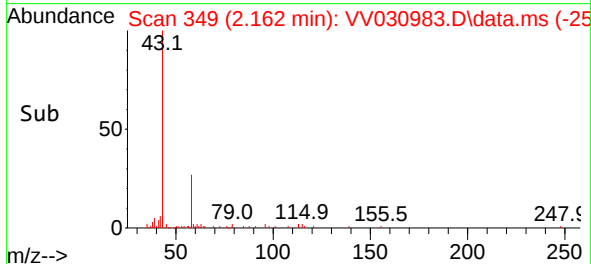
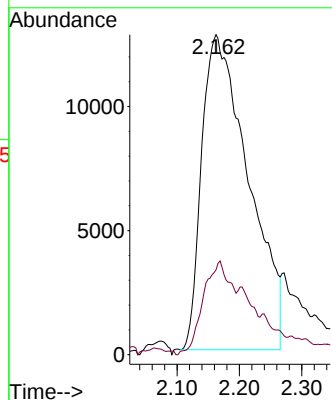
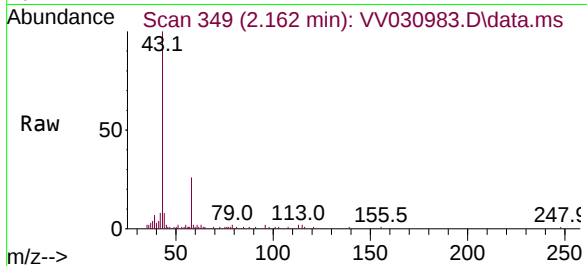
VSTD005341

Tgt Ion: 43 Resp: 66166

Ion Ratio Lower Upper

43 100

58 17.9 0.0 37.0



#14

Carbon disulfide

Concen: 4.531 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

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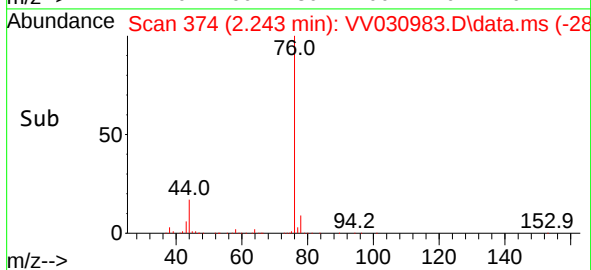
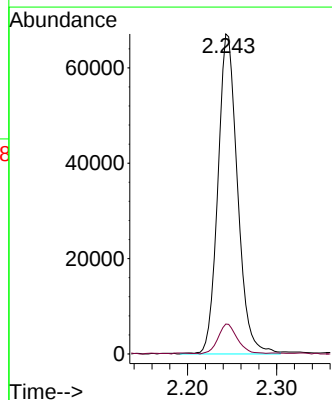
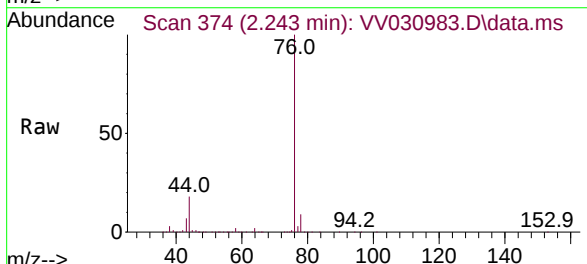
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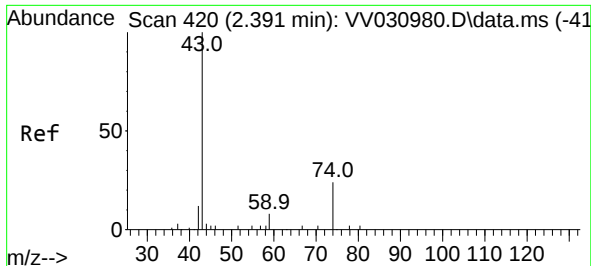
Tgt Ion: 76 Resp: 102948

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

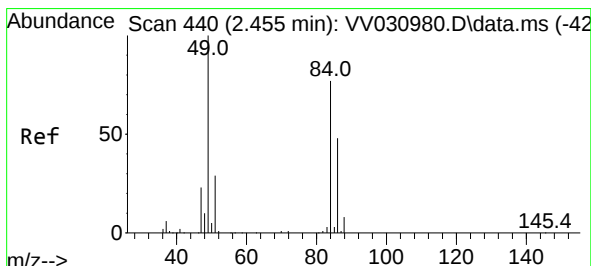
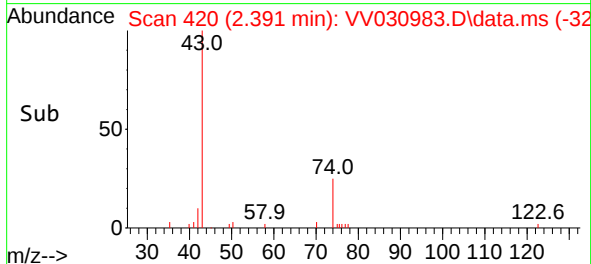
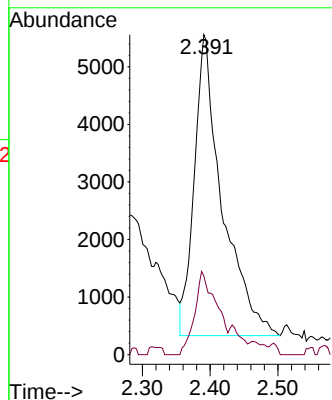
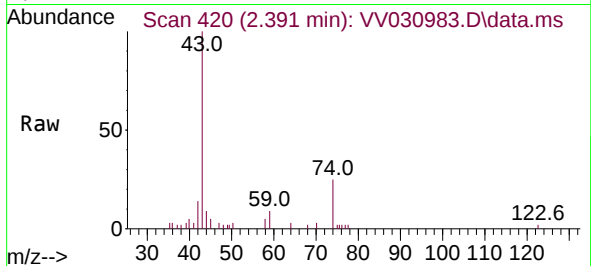




#15
Methyl Acetate
Concen: 4.570 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

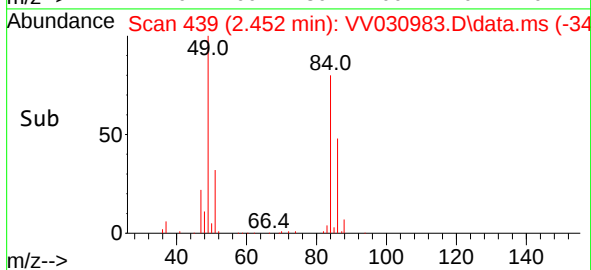
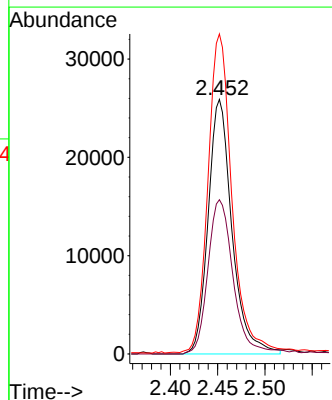
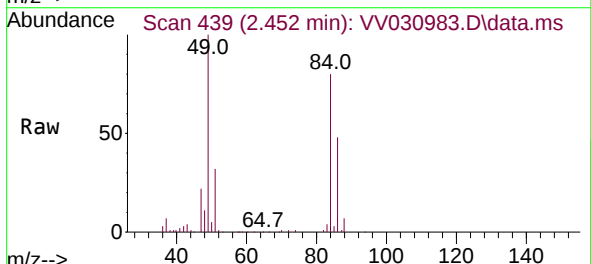
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

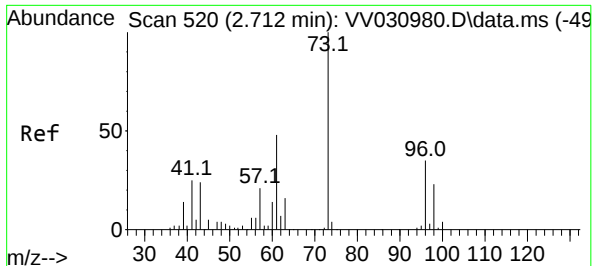
Tgt Ion: 43 Resp: 14972
Ion Ratio Lower Upper
43 100
74 21.7 15.0 22.6



#16
Methylene chloride
Concen: 4.625 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 84 Resp: 45424
Ion Ratio Lower Upper
84 100
86 60.6 46.1 85.5
49 125.7 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 5.210 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

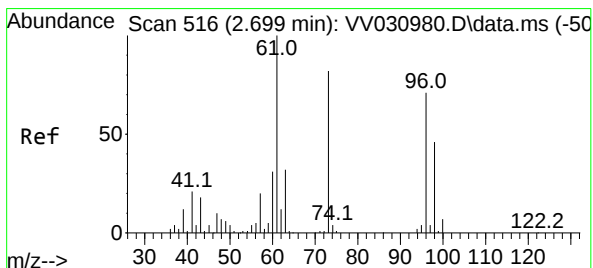
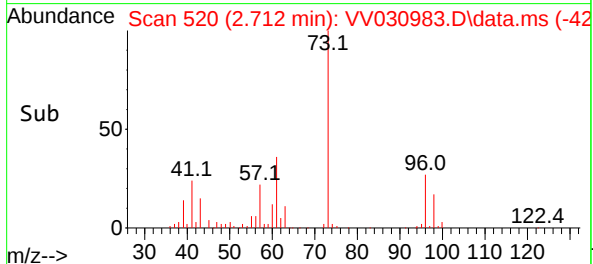
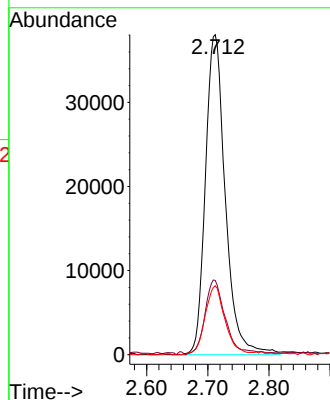
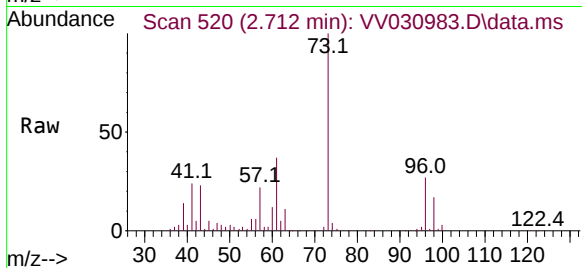
Tgt Ion: 73 Resp: 86119

Ion Ratio Lower Upper

73 100

43 24.2 19.9 29.9

57 21.6 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.789 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

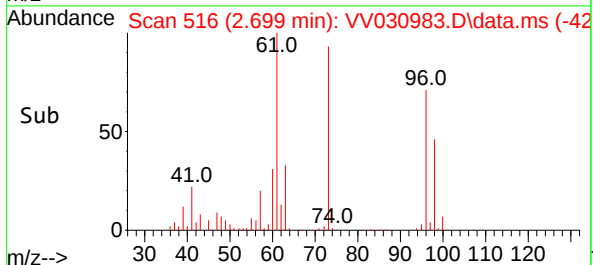
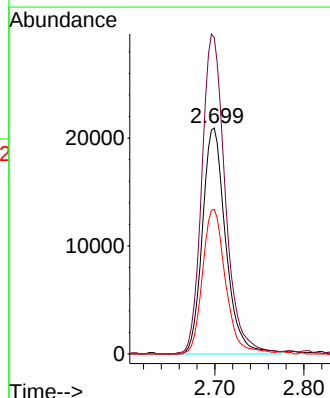
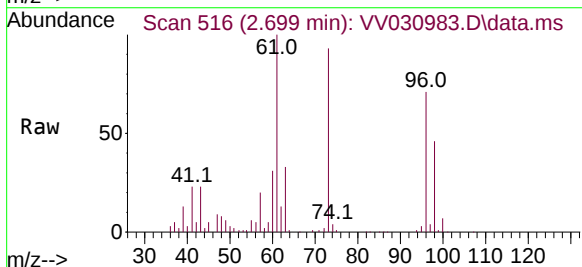
Tgt Ion: 96 Resp: 37979

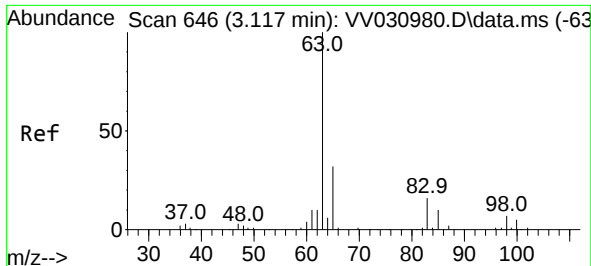
Ion Ratio Lower Upper

96 100

61 139.9 98.9 183.7

98 64.0 46.0 85.4





#19

1,1-Dichloroethane

Concen: 5.193 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

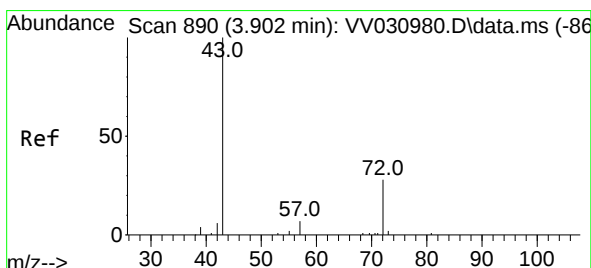
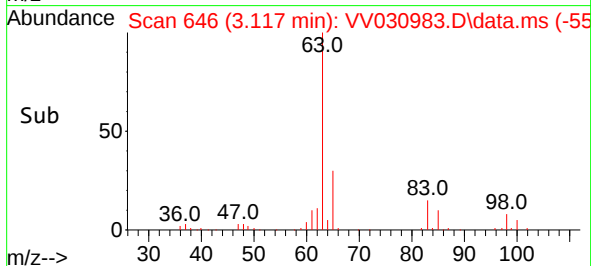
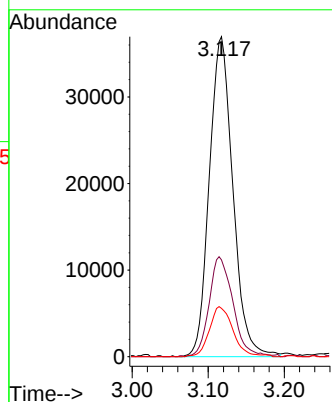
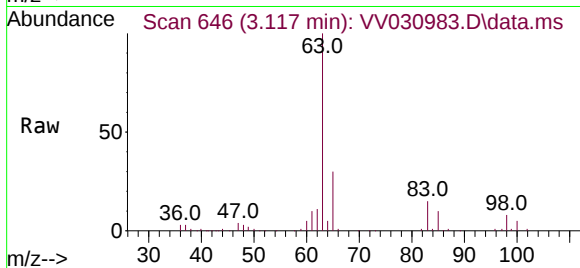
Tgt Ion: 63 Resp: 79533

Ion Ratio Lower Upper

63 100

65 30.3 21.8 40.6

83 15.1 10.2 19.0



#21

2-Butanone

Concen: 44.569 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV030983.D

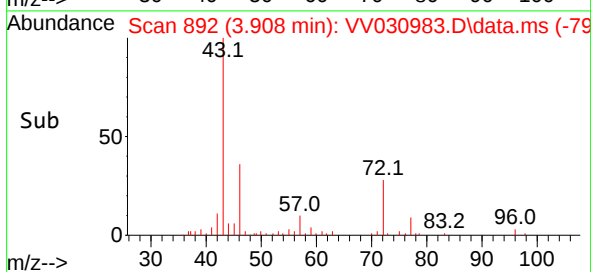
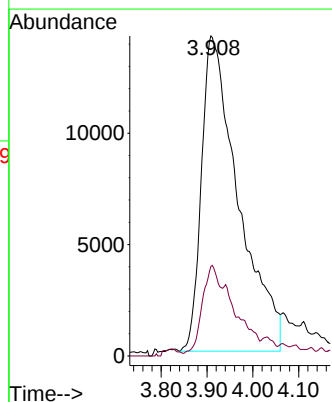
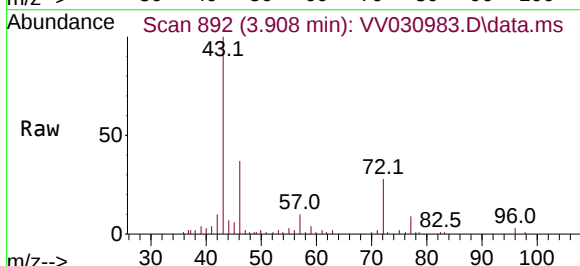
Acq: 03 May 2023 14:11

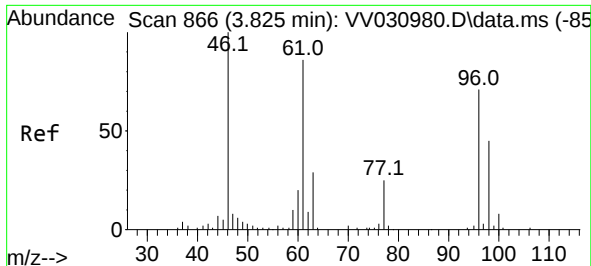
Tgt Ion: 43 Resp: 78924

Ion Ratio Lower Upper

43 100

72 13.4 9.6 28.6

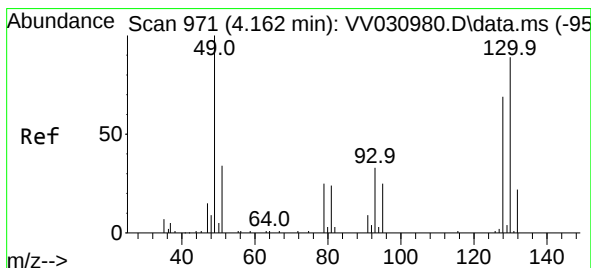
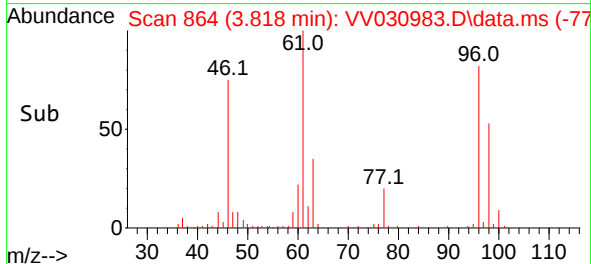
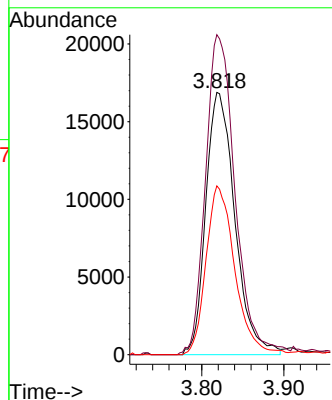
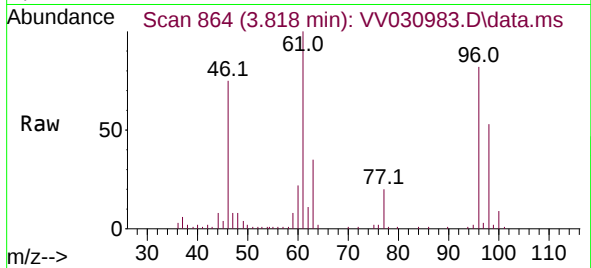




#22
 cis-1,2-Dichloroethene
 Concen: 4.983 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.007 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

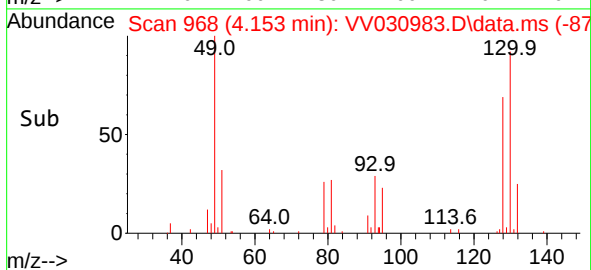
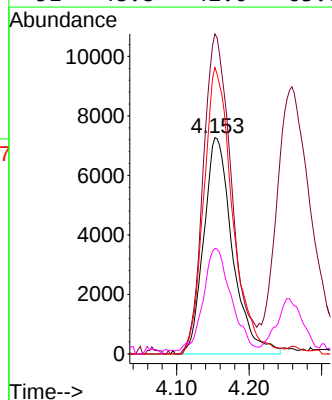
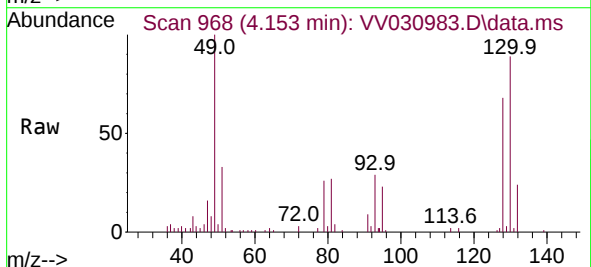
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005341

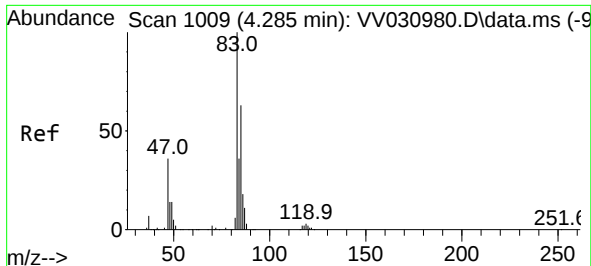
Tgt Ion: 96 Resp: 41700
 Ion Ratio Lower Upper
 96 100
 61 122.0 86.0 159.6
 98 64.4 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.063 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.010 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

Tgt Ion: 128 Resp: 19947
 Ion Ratio Lower Upper
 128 100
 49 147.9 104.7 194.5
 130 132.4 93.4 173.4
 51 48.8 42.0 63.0

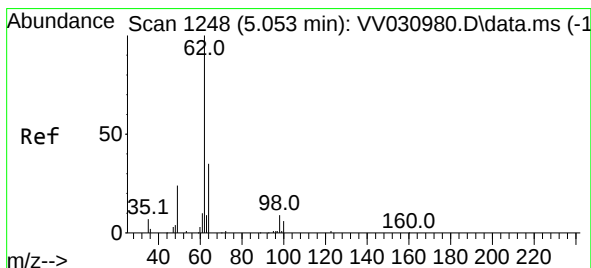
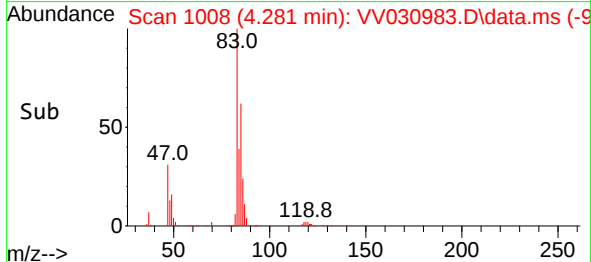
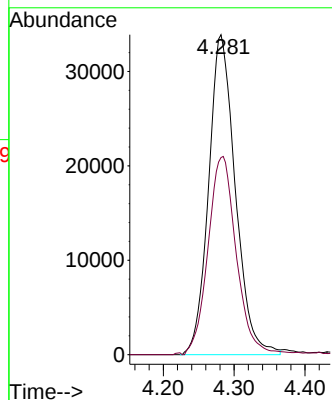
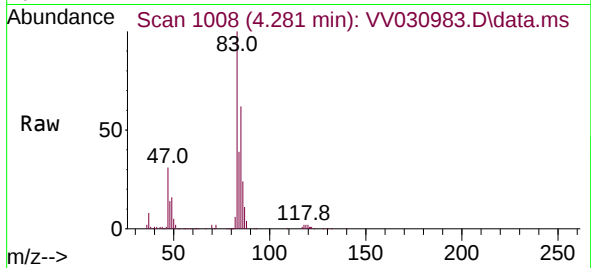




#25
Chloroform
Concen: 5.403 ug/L
RT: 4.281 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

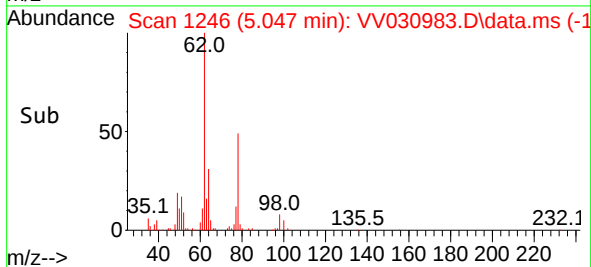
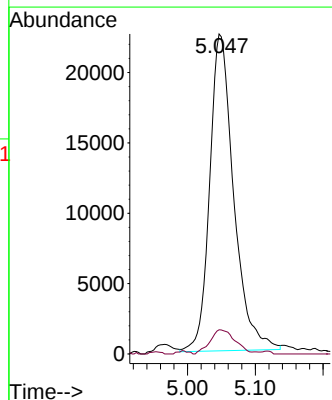
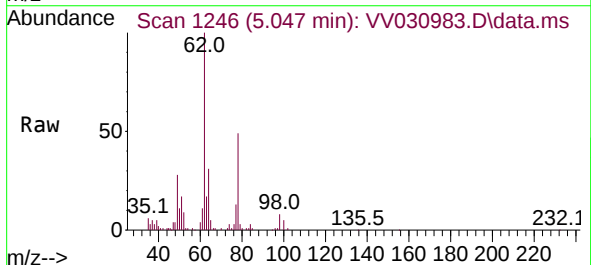
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

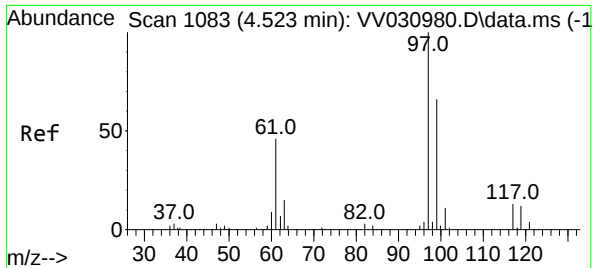
Tgt Ion: 83 Resp: 88772
Ion Ratio Lower Upper
83 100
85 61.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.385 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.007 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 62 Resp: 55534
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.316 ug/L

RT: 4.519 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

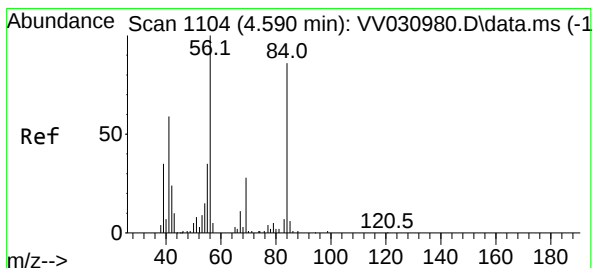
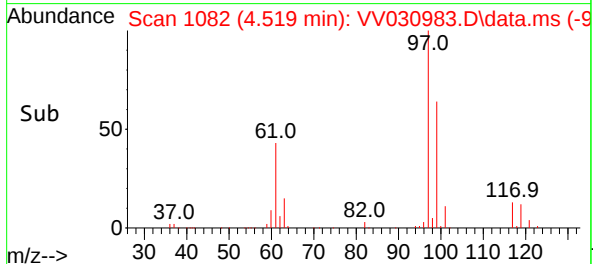
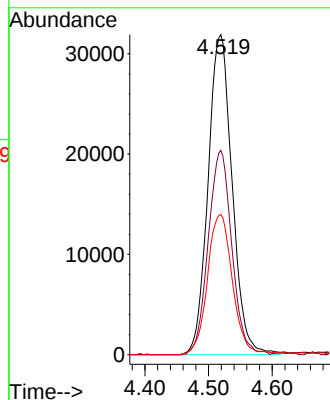
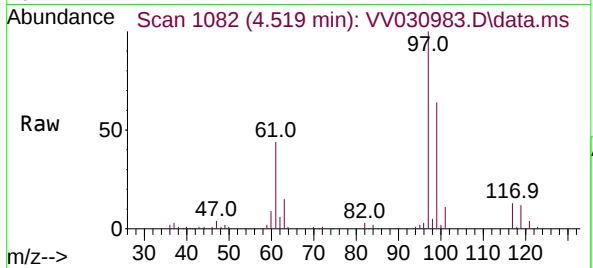
Tgt Ion: 97 Resp: 84011

Ion Ratio Lower Upper

97 100

99 62.2 51.4 77.2

61 45.1 37.4 56.0



#30

Cyclohexane

Concen: 4.577 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

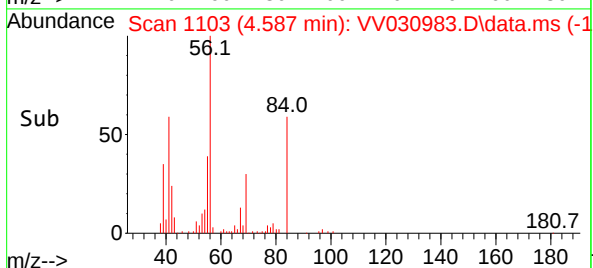
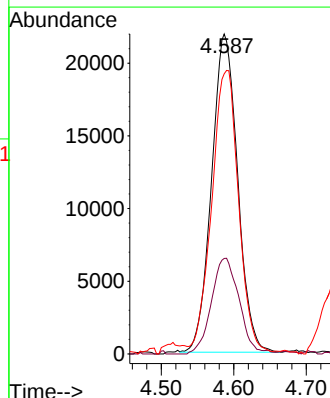
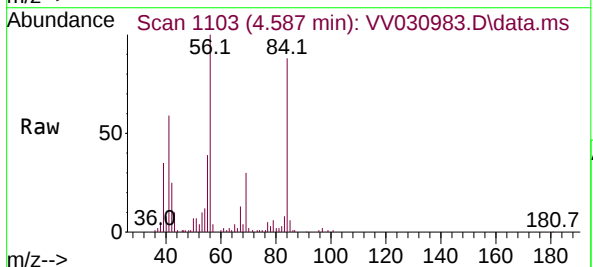
Tgt Ion: 56 Resp: 54630

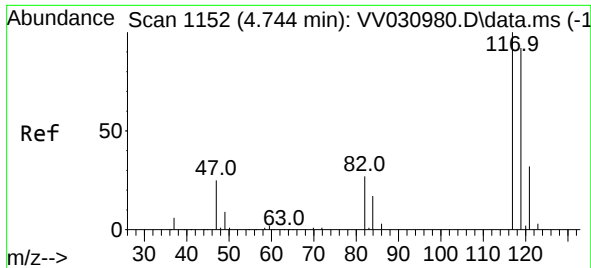
Ion Ratio Lower Upper

56 100

69 32.0 25.0 37.6

84 90.9 74.2 111.2

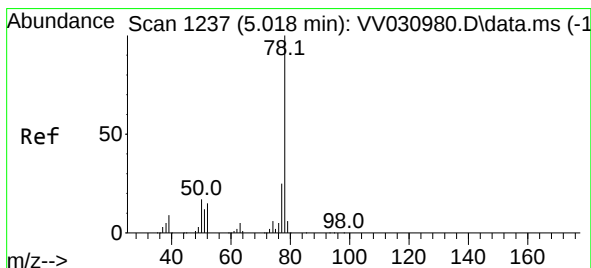
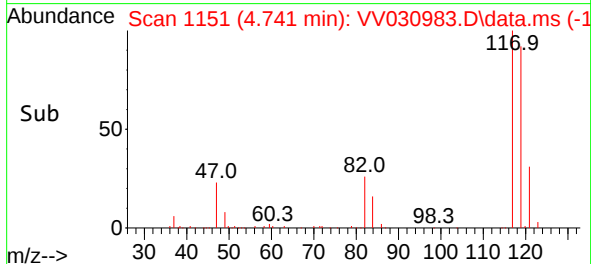
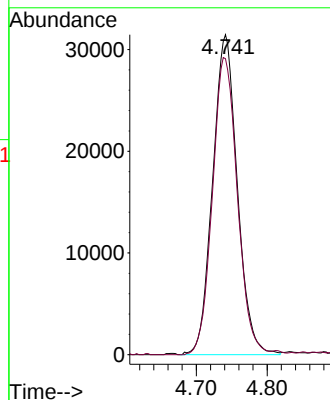
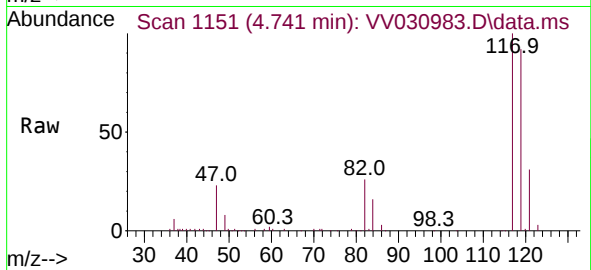




#31
Carbon tetrachloride
Concen: 5.352 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

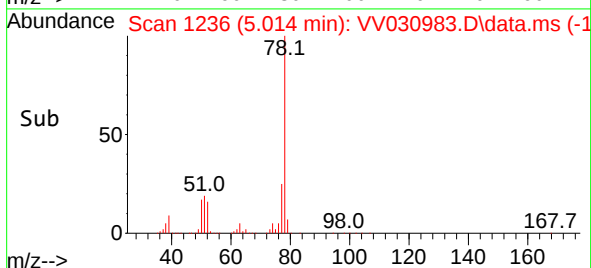
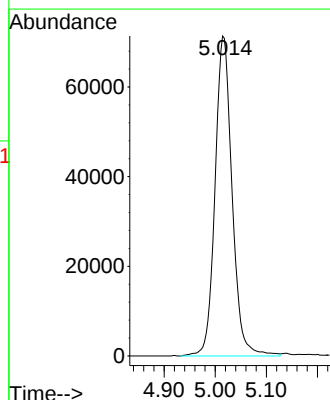
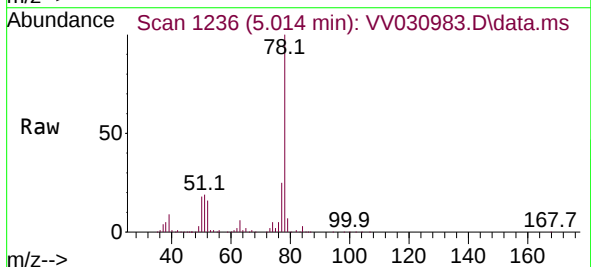
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

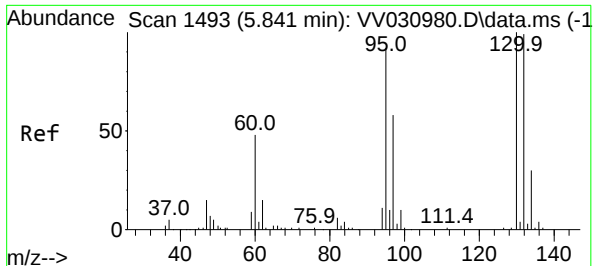
Tgt Ion:117 Resp: 75972
Ion Ratio Lower Upper
117 100
119 94.0 78.4 117.6



#33
Benzene
Concen: 5.231 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 78 Resp: 165476



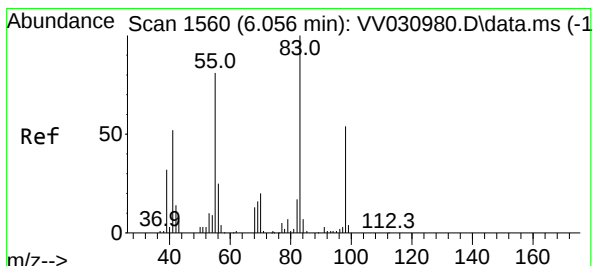
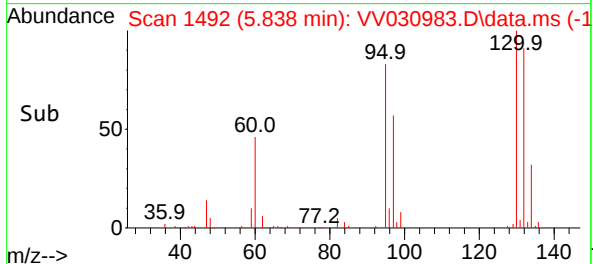
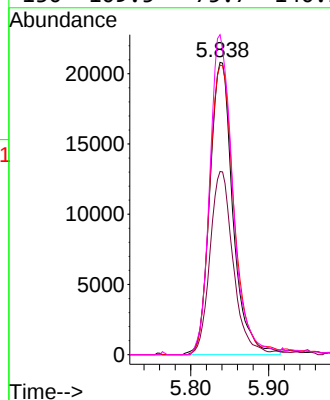
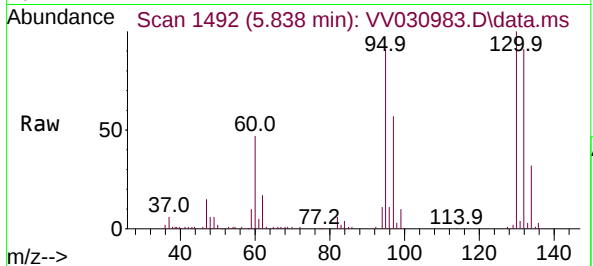


#34
Trichloroethene
Concen: 5.091 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

Tgt Ion: 95 Resp: 42929

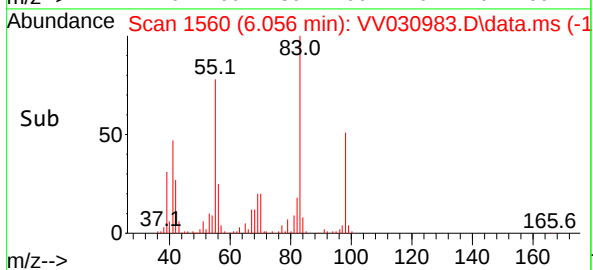
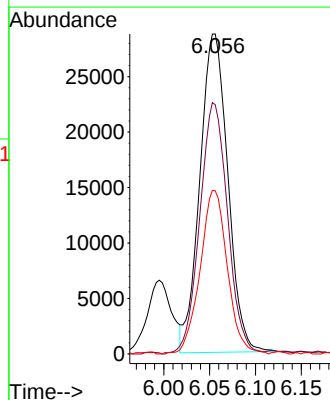
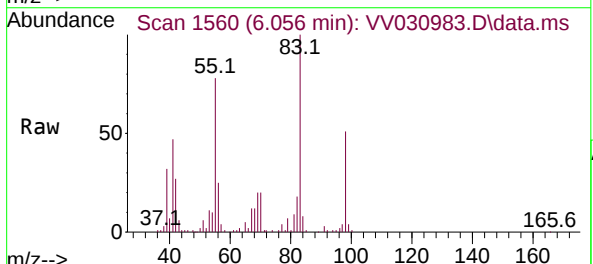
Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.2	85.8
132	99.1	72.7	135.1
130	109.5	75.7	140.5

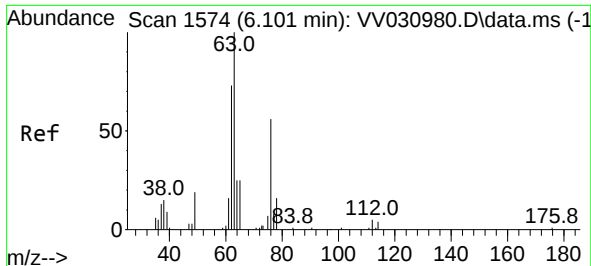


#35
Methylcyclohexane
Concen: 4.660 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 83 Resp: 60902

Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.9	94.3
98	50.0	40.5	60.7





#37

1,2-Dichloropropane

Concen: 5.313 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

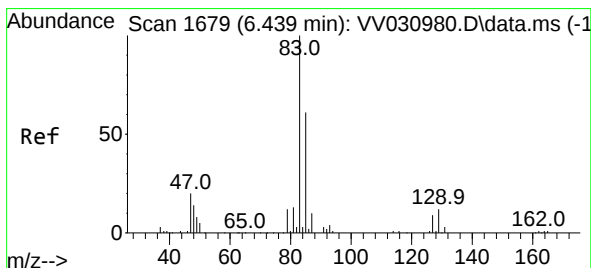
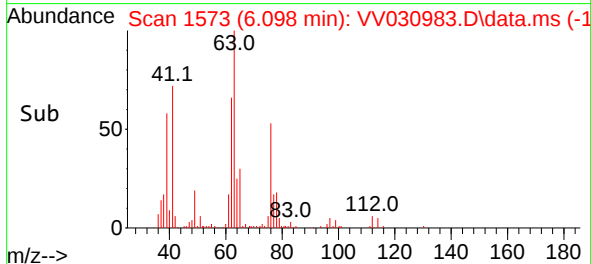
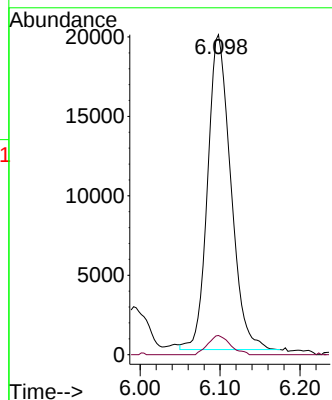
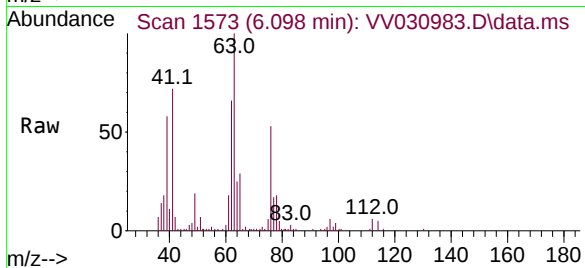
VSTD005341

Tgt Ion: 63 Resp: 39868

Ion Ratio Lower Upper

63 100

112 5.9 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.333 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

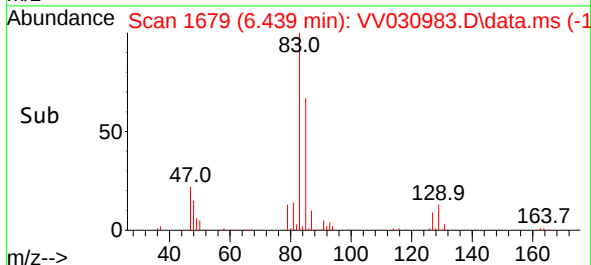
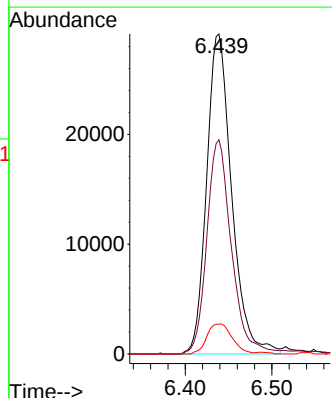
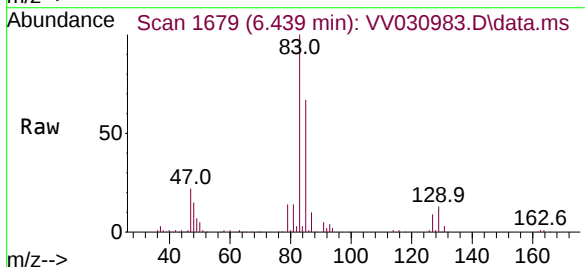
Tgt Ion: 83 Resp: 58572

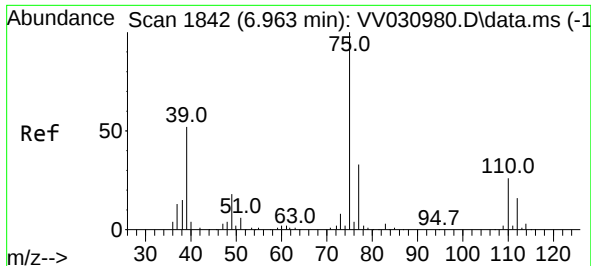
Ion Ratio Lower Upper

83 100

85 66.9 44.4 82.4

127 9.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.141 ug/L

RT: 6.960 min Scan# 1842

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

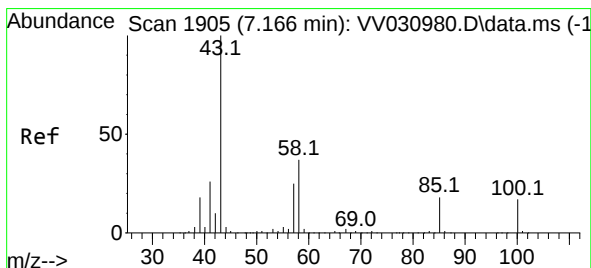
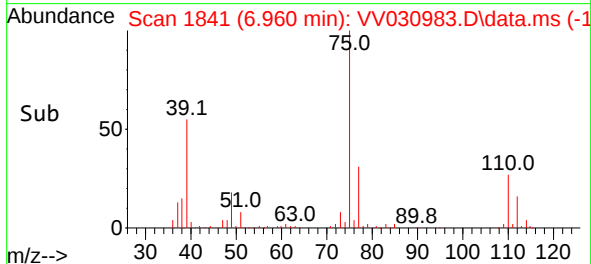
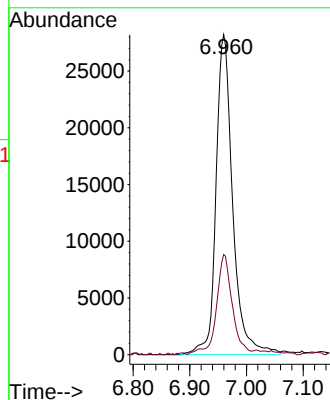
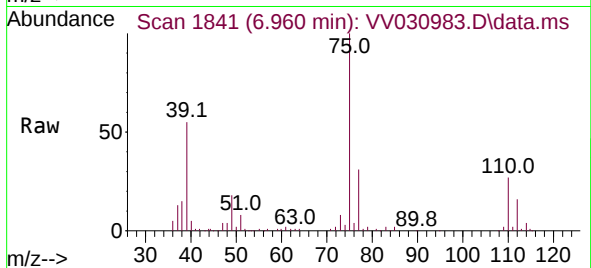
VSTD005341

Tgt Ion: 75 Resp: 57782

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 52.873 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

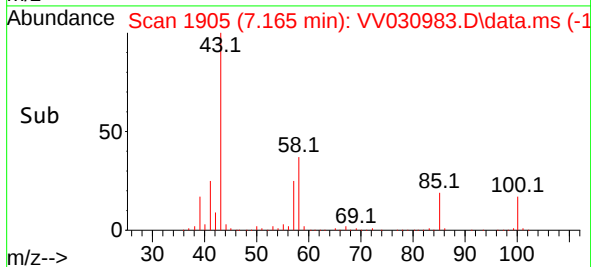
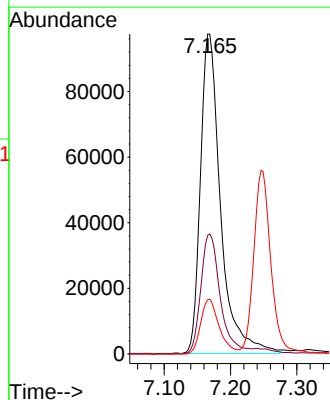
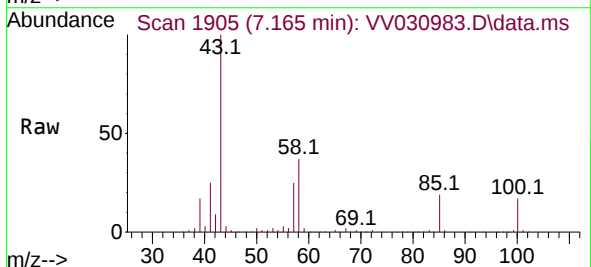
Tgt Ion: 43 Resp: 205563

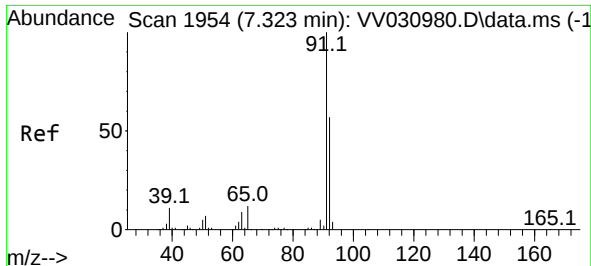
Ion Ratio Lower Upper

43 100

58 36.5 28.3 42.5

100 15.7 11.8 17.8





#42

Toluene

Concen: 5.411 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

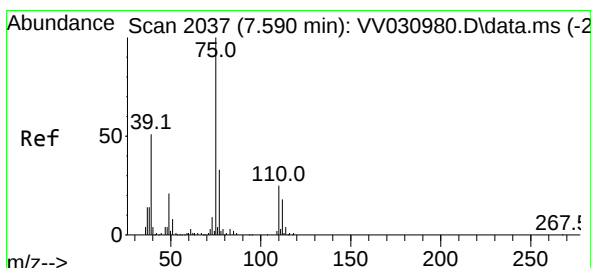
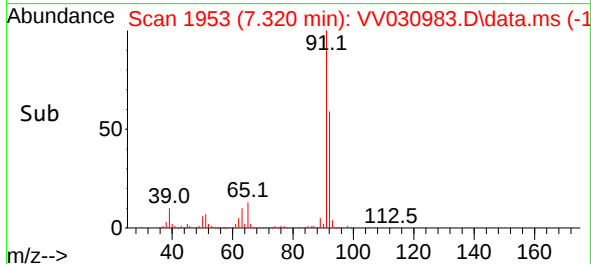
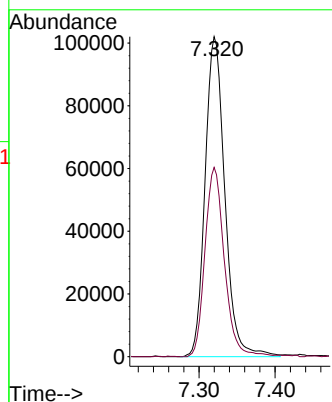
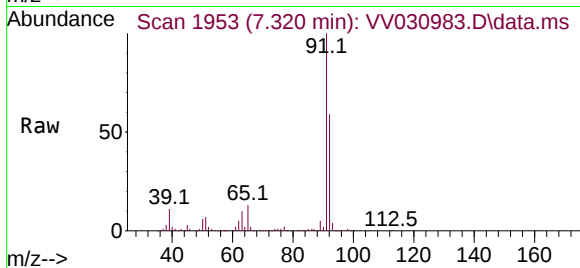
VSTD005341

Tgt Ion: 91 Resp: 184308

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.228 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030983.D

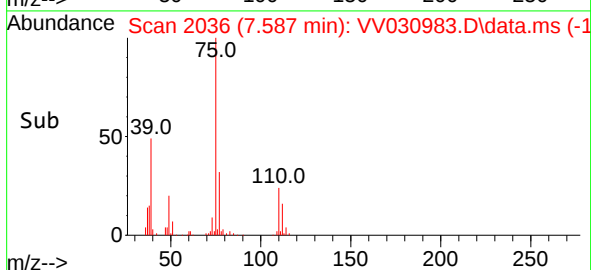
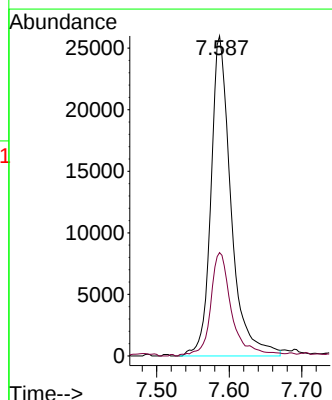
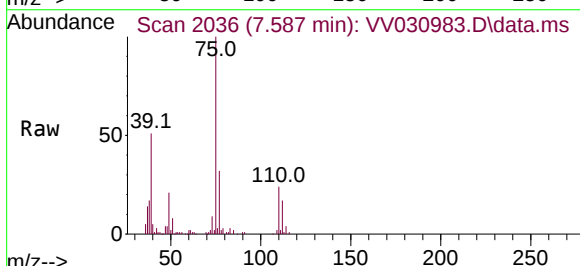
Acq: 03 May 2023 14:11

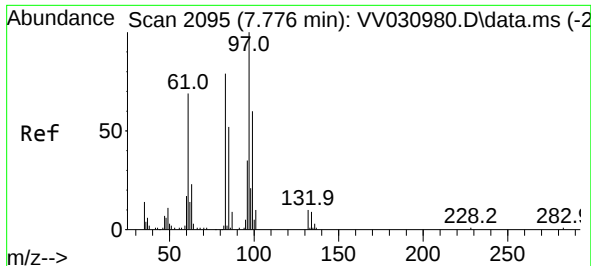
Tgt Ion: 75 Resp: 50061

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0

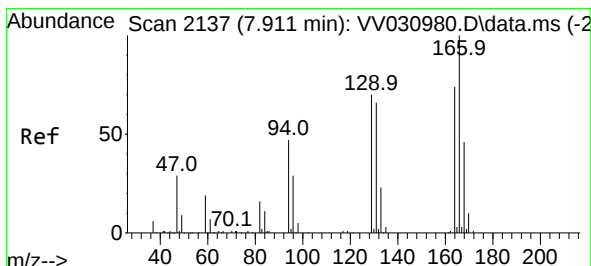
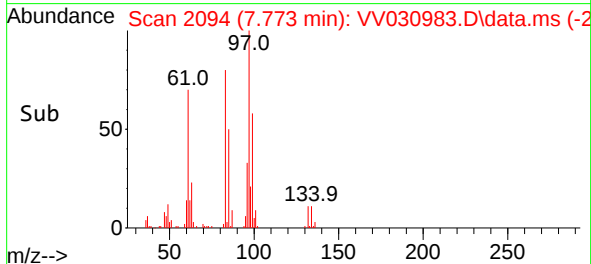
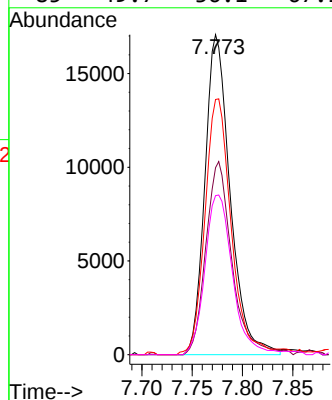
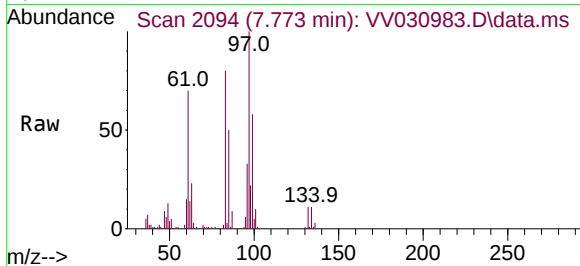




#45
1,1,2-Trichloroethane
Concen: 5.372 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

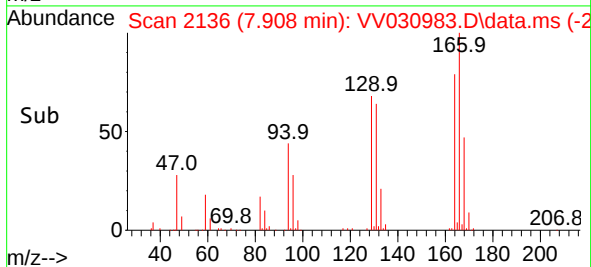
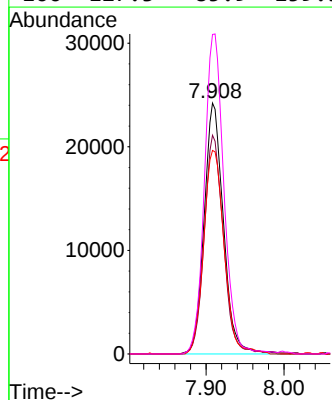
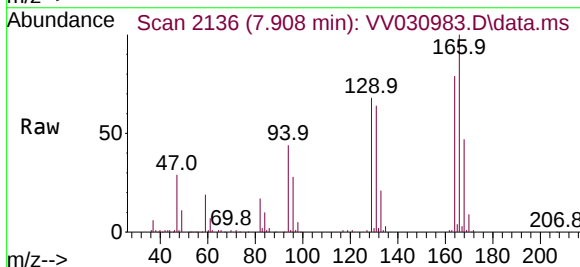
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

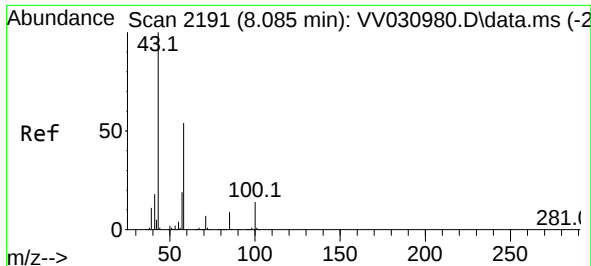
Tgt Ion: 97	Resp: 29910
Ion Ratio	Lower Upper
97 100	
99 58.5	42.8 79.6
83 79.8	57.5 106.7
85 49.7	36.1 67.1



#47
Tetrachloroethene
Concen: 5.175 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion:164	Resp: 41636
Ion Ratio	Lower Upper
164 100	
129 87.2	60.5 112.3
131 81.1	60.8 112.8
166 127.3	85.9 159.5



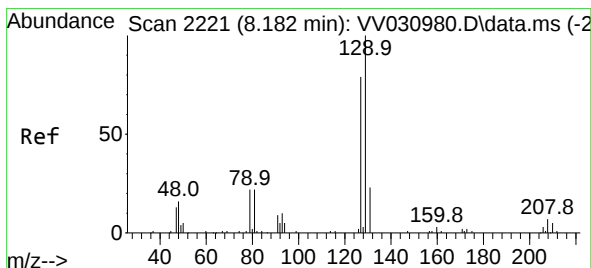
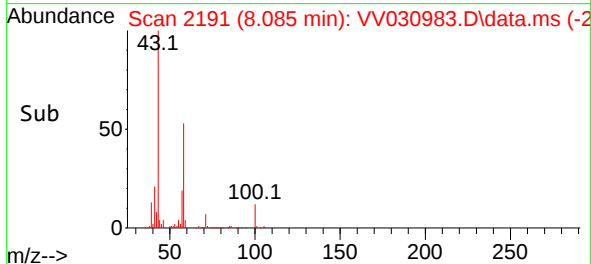
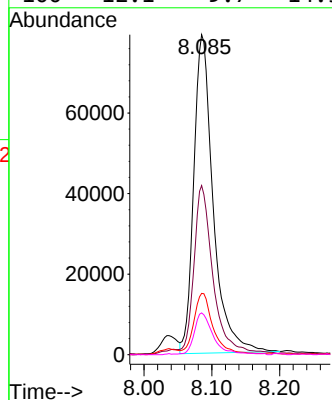
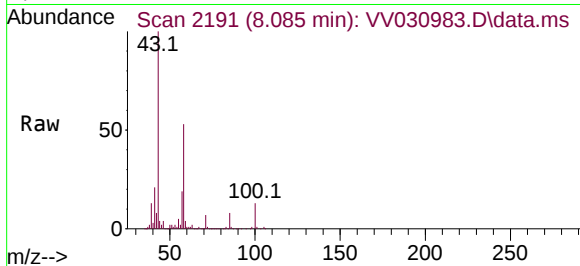


#48
2-Hexanone
Concen: 52.893 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

Tgt Ion: 43 Resp: 157725

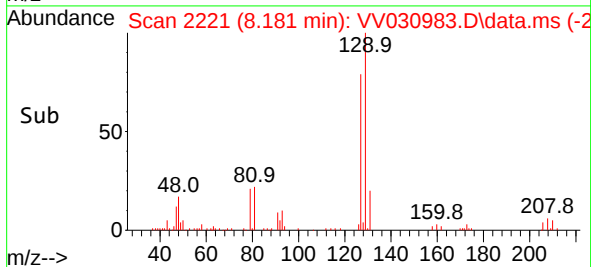
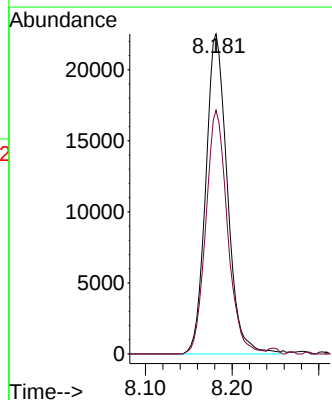
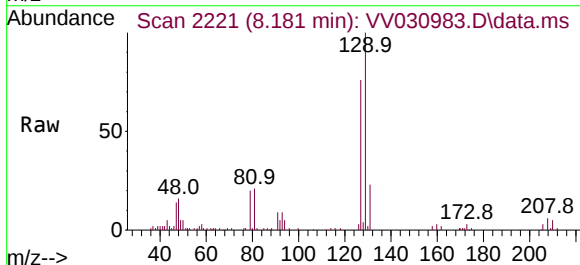
Ion	Ratio	Lower	Upper
43	100		
58	51.5	39.9	59.9
57	18.5	14.1	21.1
100	12.1	9.7	14.5

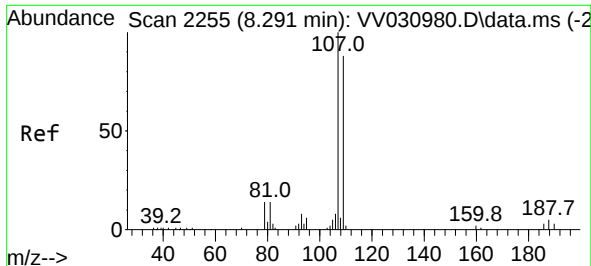


#49
Dibromochloromethane
Concen: 5.558 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 129 Resp: 38933

Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.3	102.7





#50

1,2-Dibromoethane

Concen: 5.187 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

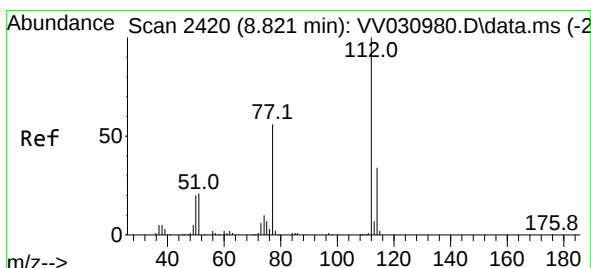
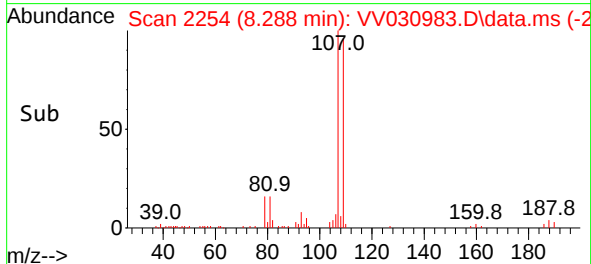
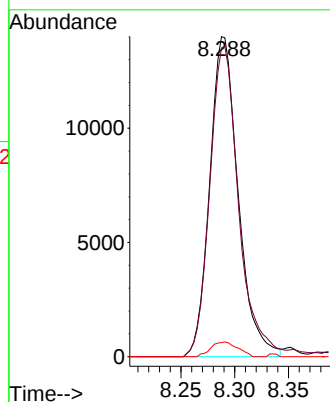
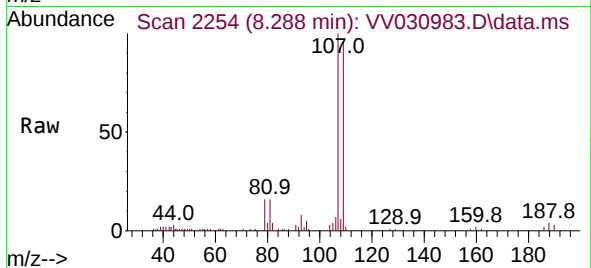
Tgt Ion:107 Resp: 25756

Ion Ratio Lower Upper

107 100

109 96.4 64.9 120.5

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.262 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

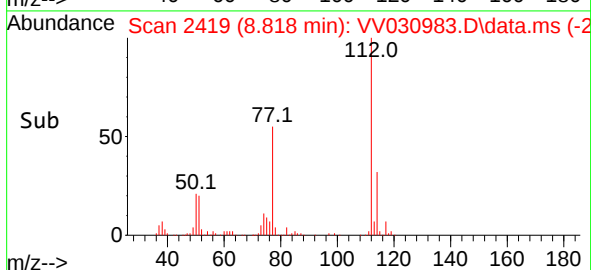
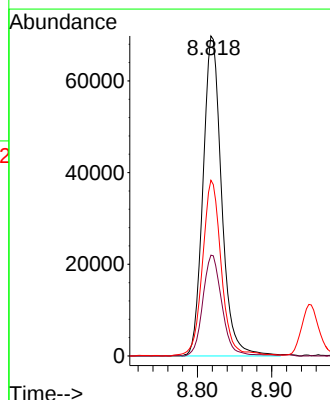
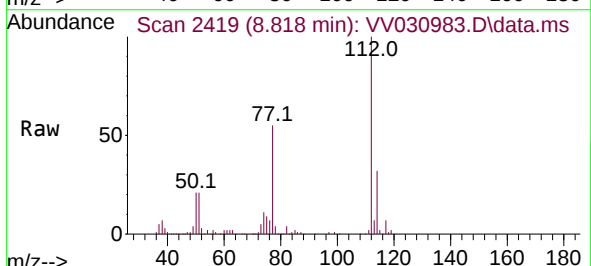
Tgt Ion:112 Resp: 121510

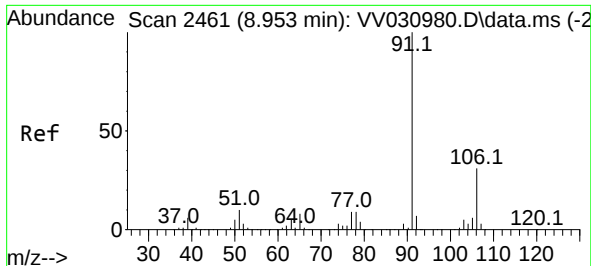
Ion Ratio Lower Upper

112 100

114 31.5 22.5 41.9

77 54.9 45.3 67.9





#52

Ethylbenzene

Concen: 5.186 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

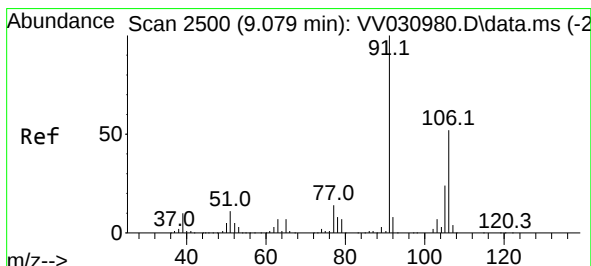
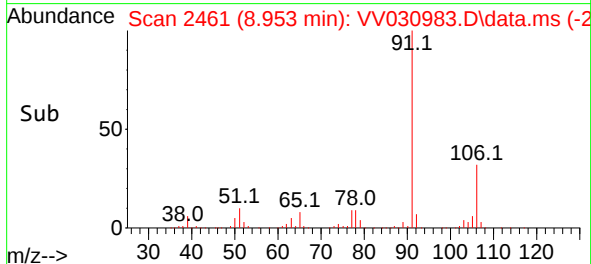
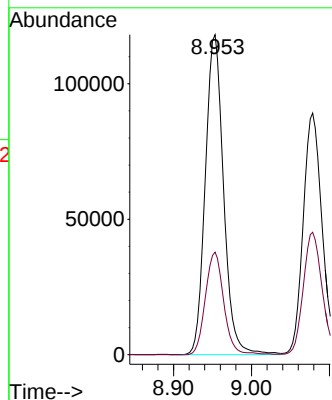
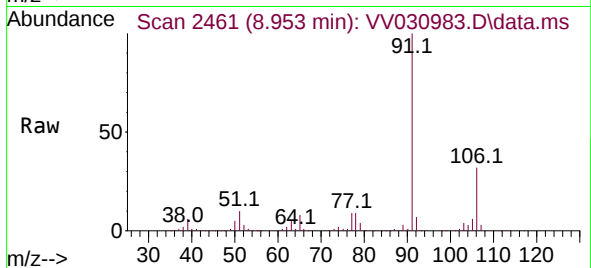
VSTD005341

Tgt Ion: 91 Resp: 192584

Ion Ratio Lower Upper

91 100

106 32.0 21.4 39.8



#53

m,p-Xylene

Concen: 5.105 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV030983.D

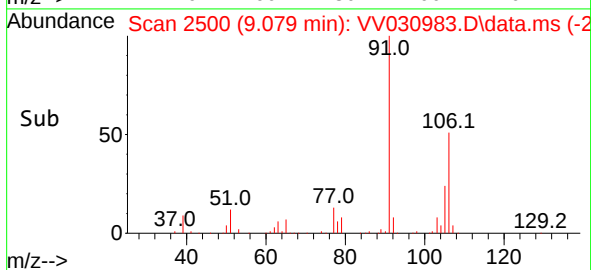
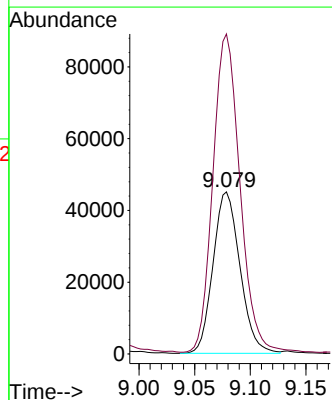
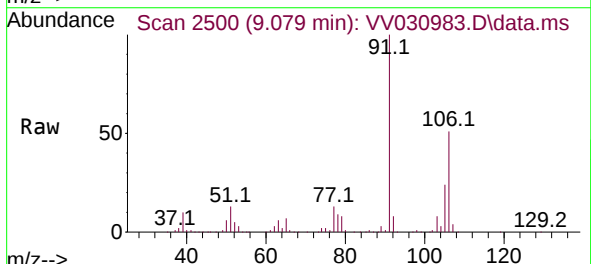
Acq: 03 May 2023 14:11

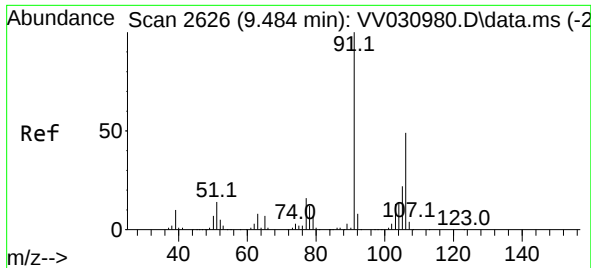
Tgt Ion: 106 Resp: 75655

Ion Ratio Lower Upper

106 100

91 197.5 138.7 257.5

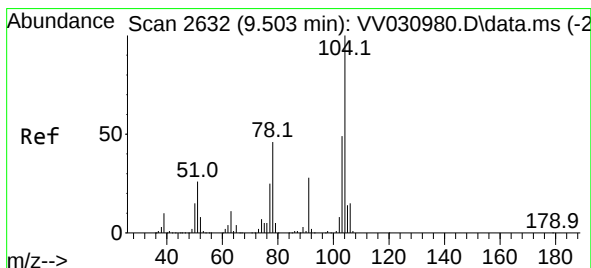
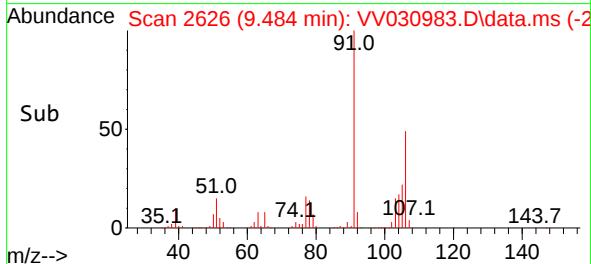
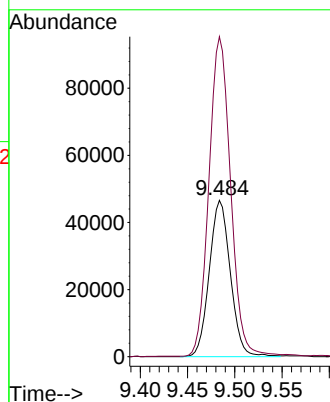
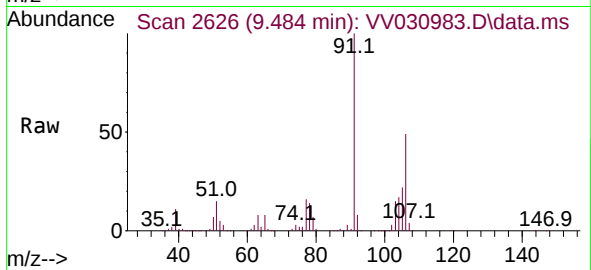




#54
o-Xylene
Concen: 5.126 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

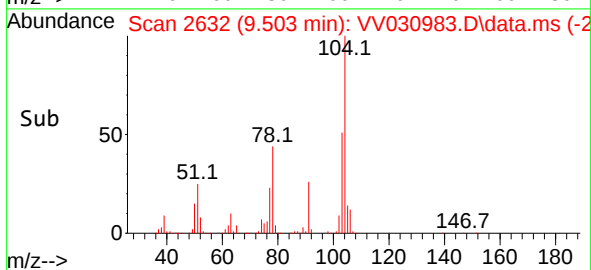
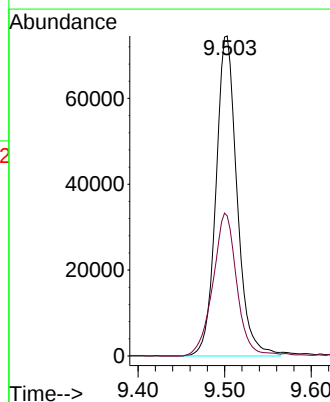
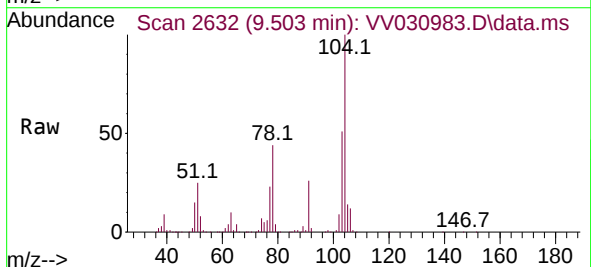
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

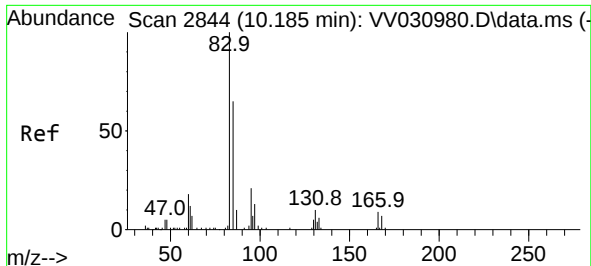
Tgt Ion:106 Resp: 72287
Ion Ratio Lower Upper
106 100
91 204.7 145.1 269.5



#55
Styrene
Concen: 5.301 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion:104 Resp: 126156
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.485 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

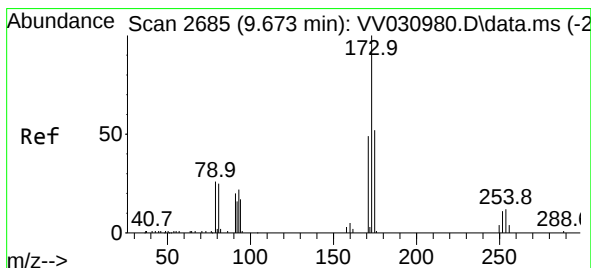
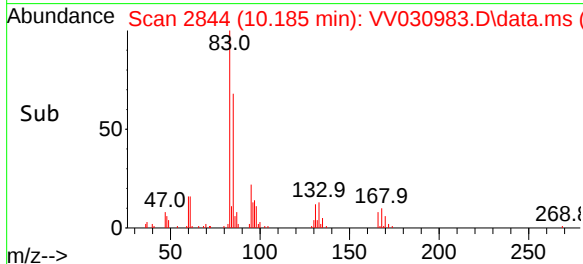
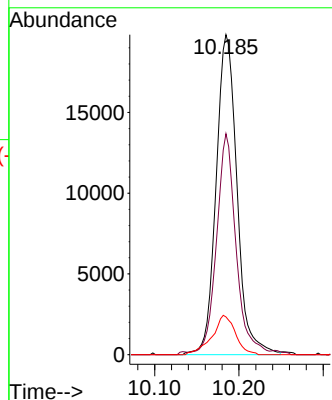
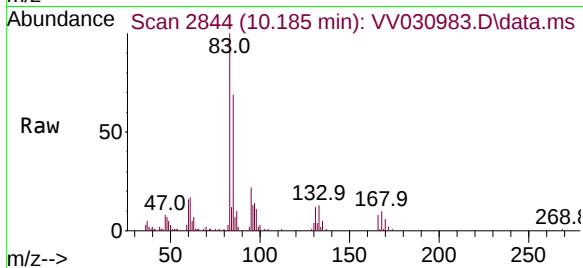
Tgt Ion: 83 Resp: 34133

Ion Ratio Lower Upper

83 100

85 69.0 45.2 84.0

131 11.8 8.3 12.5



#59

Bromoform

Concen: 5.158 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

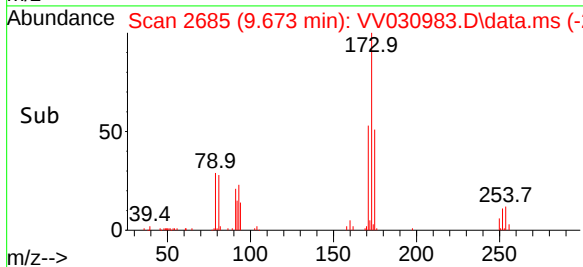
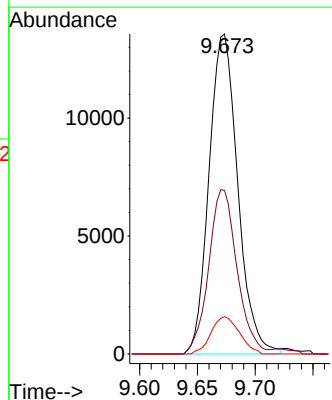
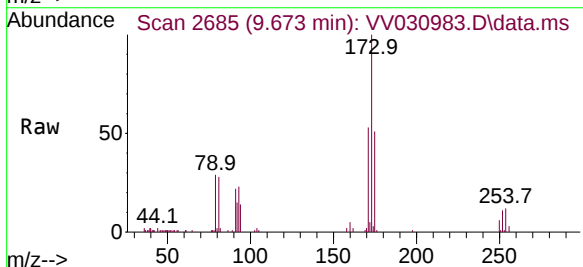
Tgt Ion: 173 Resp: 23475

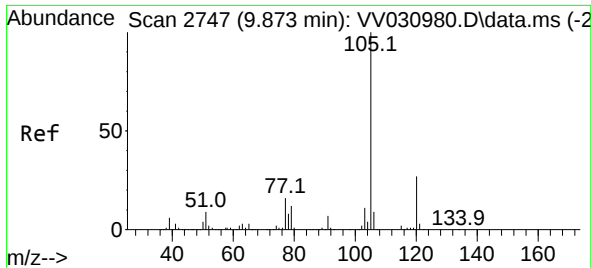
Ion Ratio Lower Upper

173 100

175 50.8 39.9 59.9

254 11.5 9.7 14.5

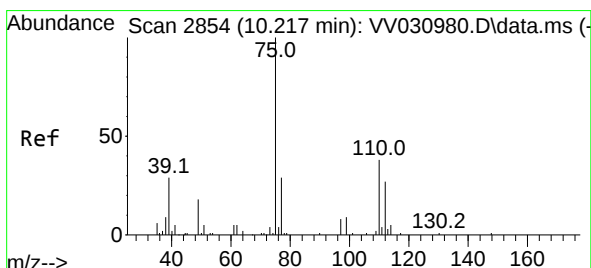
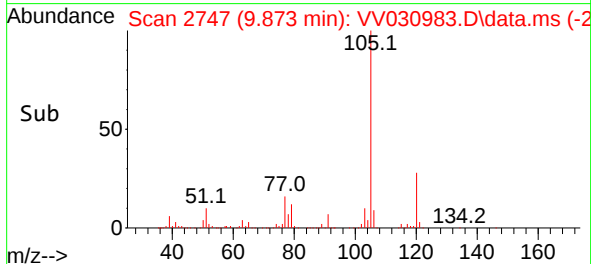
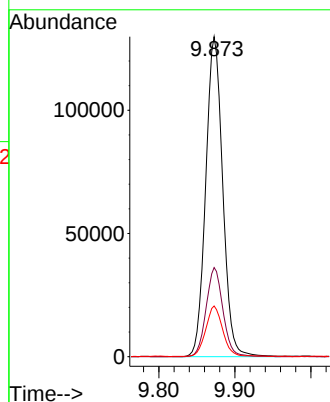
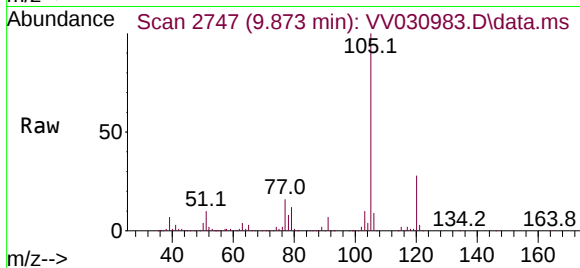




#60
Isopropylbenzene
Concen: 4.832 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

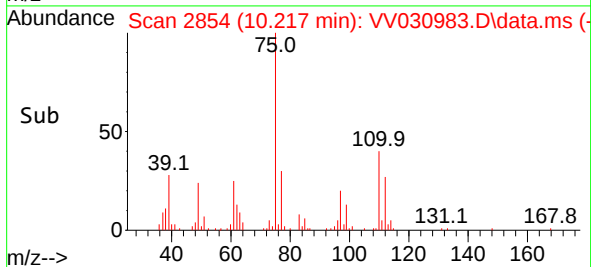
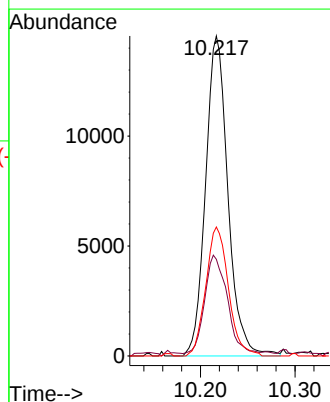
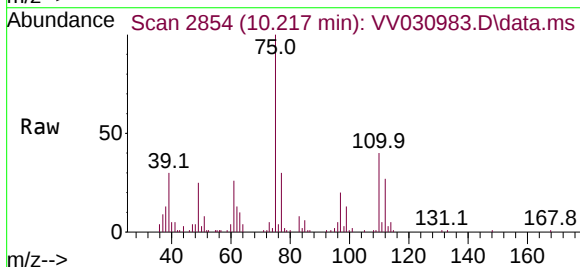
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

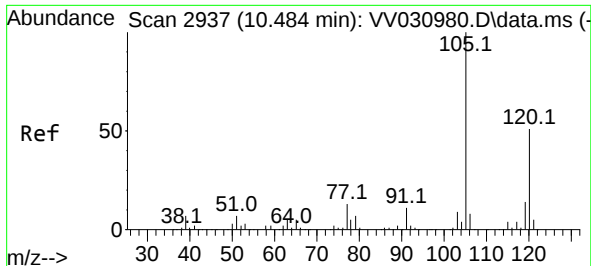
Tgt Ion:	105	Resp:	201454
Ion	Ratio	Lower	Upper
105	100		
120	27.6	22.2	33.4
77	15.6	13.0	19.6



#61
1,2,3-Trichloropropane
Concen: 4.929 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion:	75	Resp:	23942
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9
110	40.7	34.0	51.0

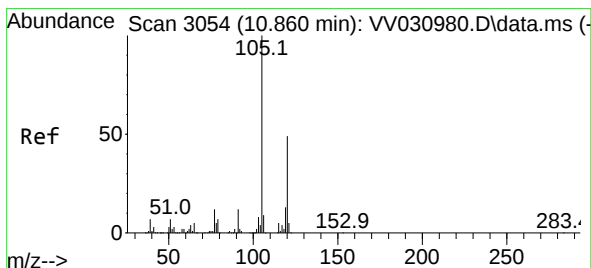
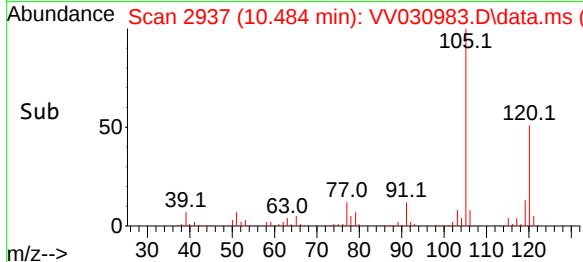
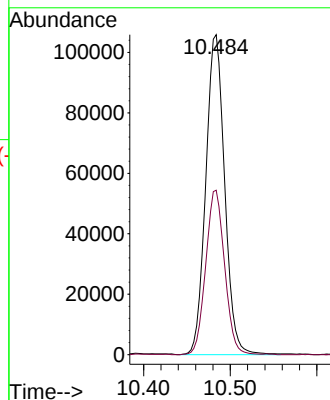
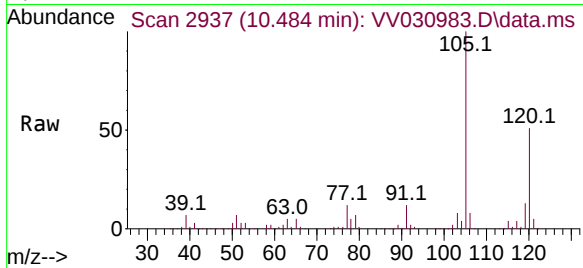




#62
 1,3,5-Trimethylbenzene
 Concen: 4.728 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

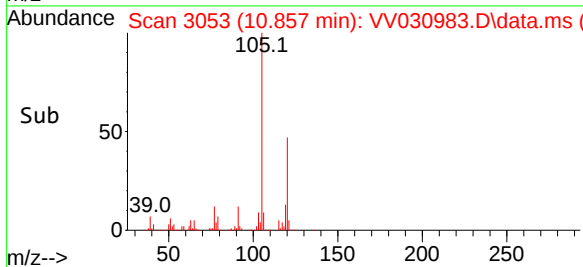
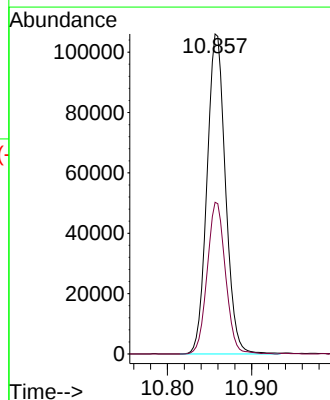
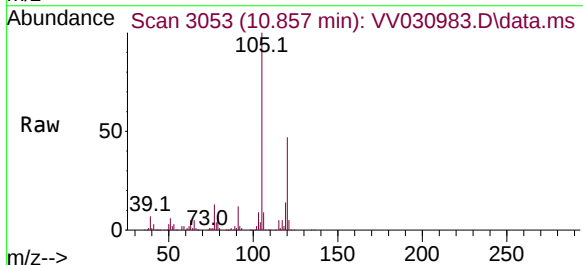
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005341

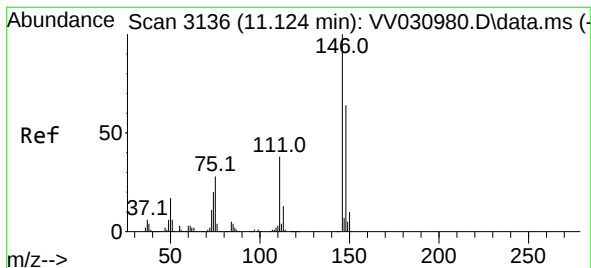
Tgt Ion:105 Resp: 160458
 Ion Ratio Lower Upper
 105 100
 120 51.3 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.709 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV030983.D
 Acq: 03 May 2023 14:11

Tgt Ion:105 Resp: 161932
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 5.049 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

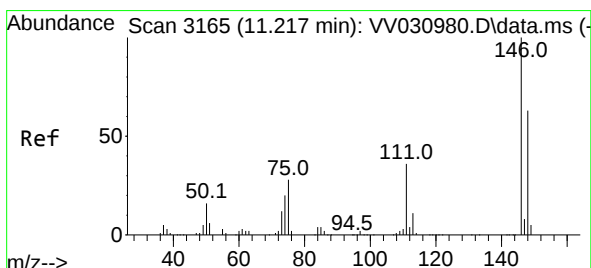
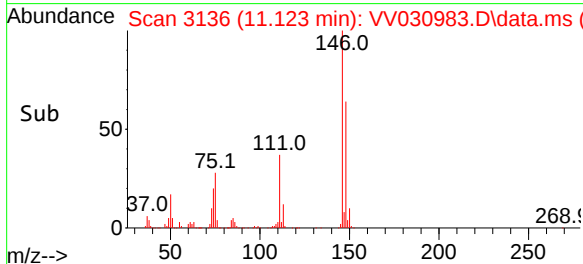
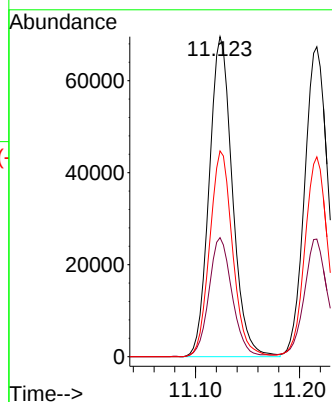
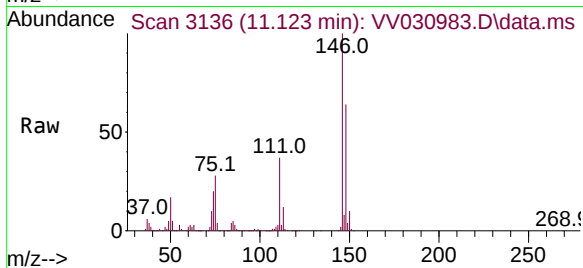
Tgt Ion:146 Resp: 108097

Ion Ratio Lower Upper

146 100

111 37.2 26.5 49.3

148 64.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 5.001 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

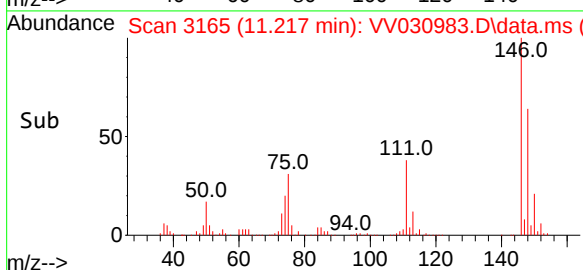
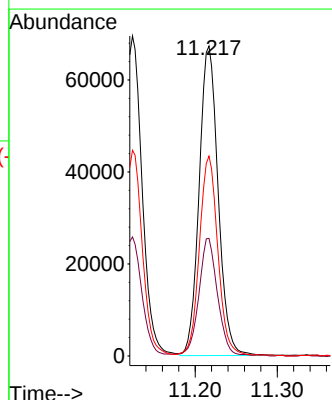
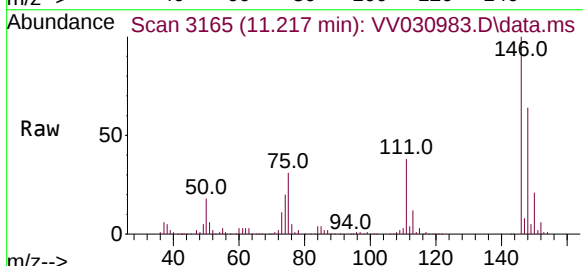
Tgt Ion:146 Resp: 108029

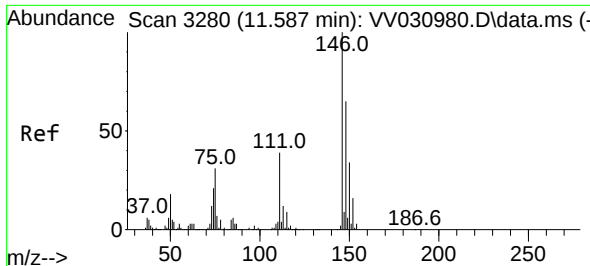
Ion Ratio Lower Upper

146 100

111 37.9 23.9 44.5

148 64.5 42.8 79.6

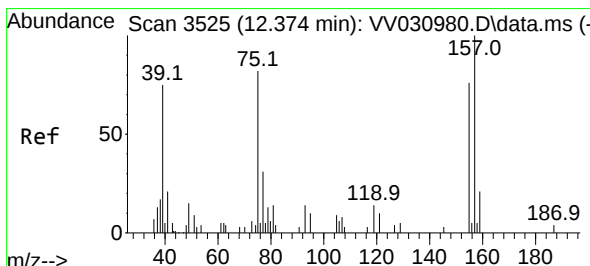
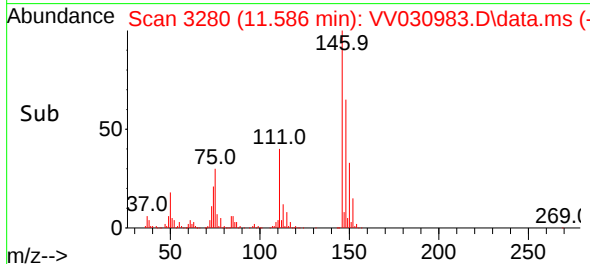
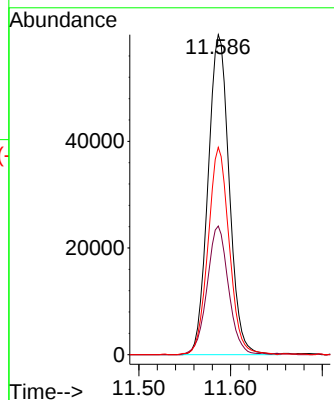
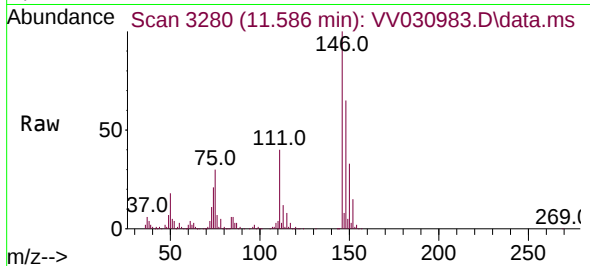




#67
1,2-Dichlorobenzene
Concen: 4.984 ug/L
RT: 11.586 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

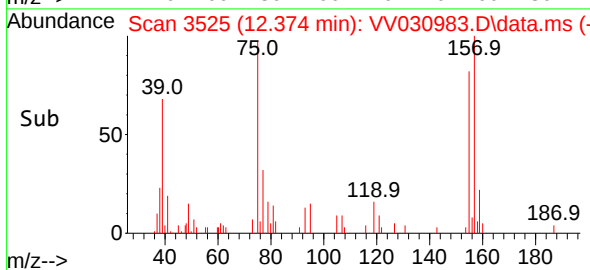
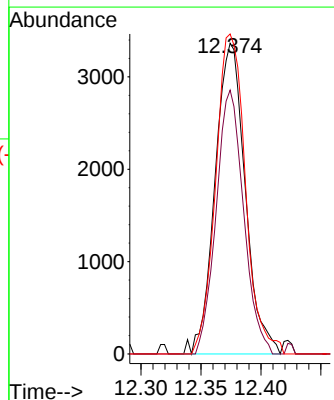
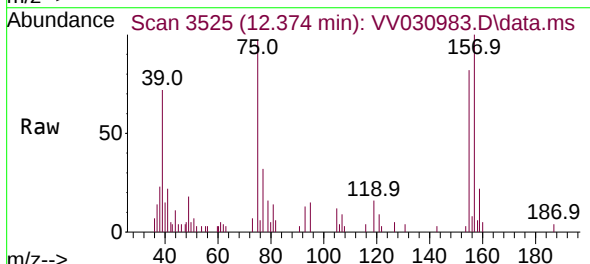
Instrument :
MSVOA_V
ClientSampleId :
VSTD005341

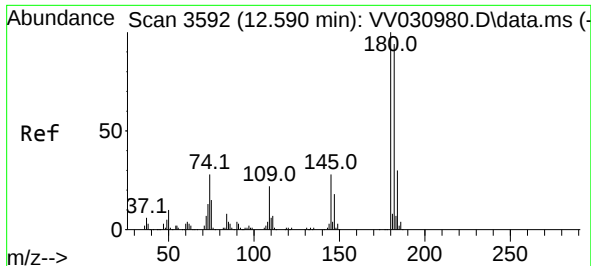
Tgt Ion:146 Resp: 95960
Ion Ratio Lower Upper
146 100
111 40.2 34.0 51.0
148 64.8 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.769 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030983.D
Acq: 03 May 2023 14:11

Tgt Ion: 75 Resp: 5880
Ion Ratio Lower Upper
75 100
155 84.9 56.2 84.4#
157 103.0 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.798 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

Tgt Ion:180 Resp: 81340

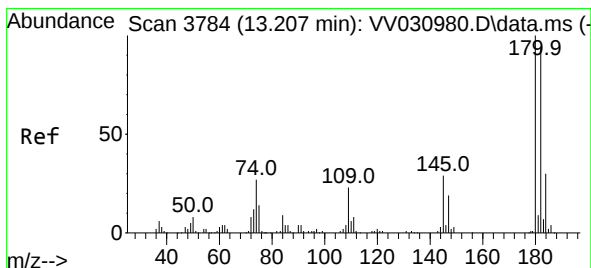
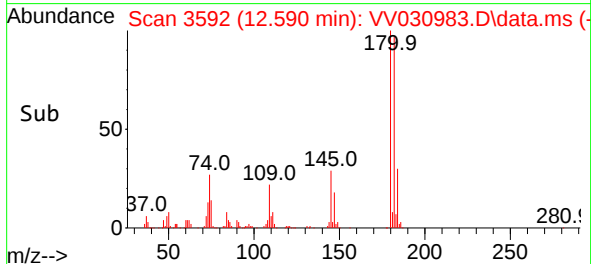
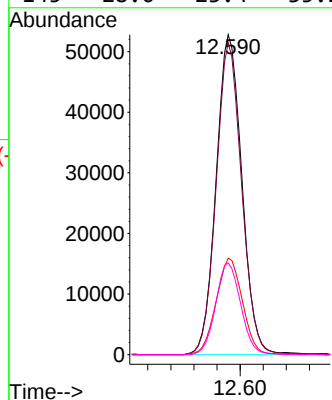
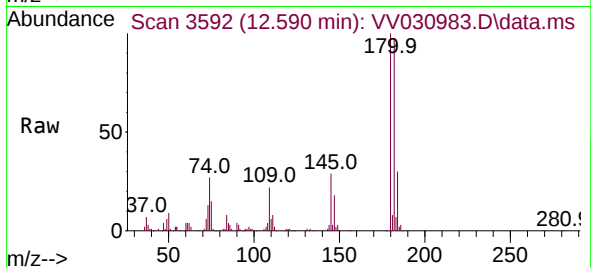
Ion Ratio Lower Upper

180 100

182 97.0 75.1 112.7

184 31.1 24.1 36.1

145 28.0 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.738 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

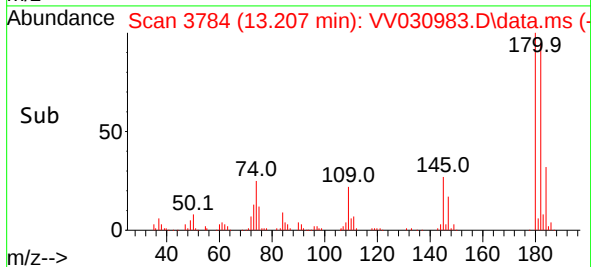
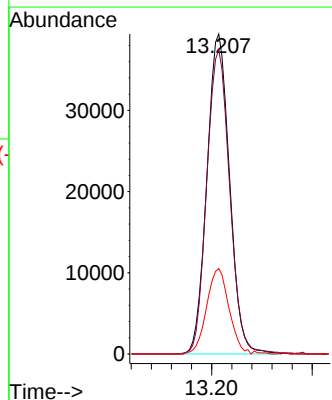
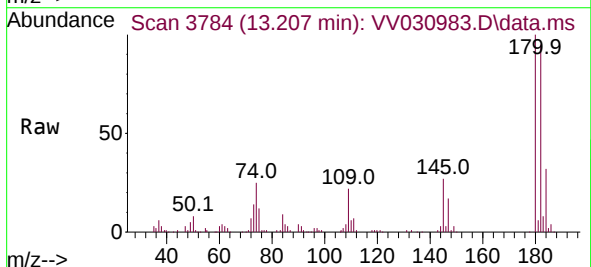
Tgt Ion:180 Resp: 61726

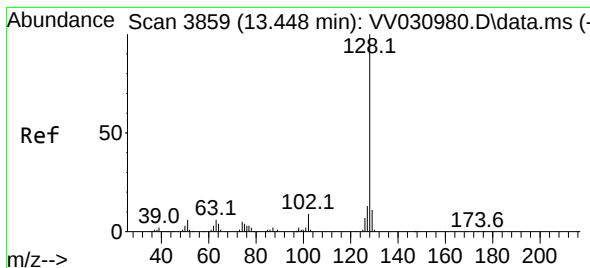
Ion Ratio Lower Upper

180 100

182 96.2 76.0 114.0

145 26.4 22.9 34.3





#71

Naphthalene

Concen: 4.070 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005341

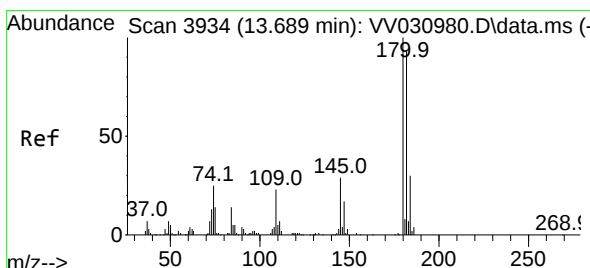
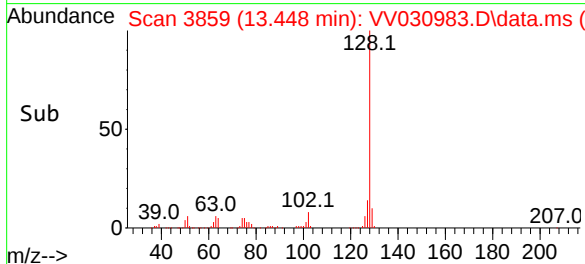
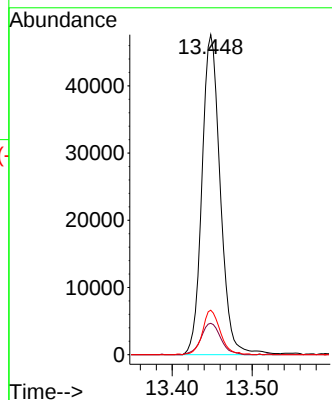
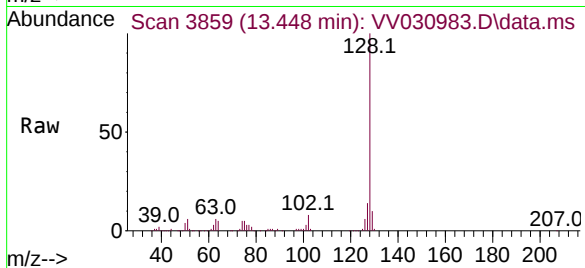
Tgt Ion:128 Resp: 76038

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.5 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.621 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030983.D

Acq: 03 May 2023 14:11

Tgt Ion:180 Resp: 50965

Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

145 30.5 24.7 37.1

