

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041423\
 Data File : VW030576.D
 Acq On : 14 Apr 2023 16:28
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005335

Quant Time: Apr 15 02:02:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 01:54:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	122359	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	118222	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	69317	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	44755	5.523	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.400%
7) Chloroethane-d5	1.536	69	33478	4.257	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.063	63	93814	4.879	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	3.825	46	88573	42.286	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.580%
24) Chloroform-d	4.262	84	83767	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	4.953	65	43052	4.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	4.970	84	144065	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	5.998	67	43800	4.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.252	98	139090	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	7.564	79	17154	4.368	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.037	63	68096	43.155	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.300%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35146	4.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	51031	4.119	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	61189	3.934	ug/L	99
3) Chloromethane	1.214	50	81935	4.174	ug/L	96
5) Vinyl chloride	1.285	62	62024	4.334	ug/L	100
6) Bromomethane	1.491	94	20151	4.937	ug/L	100
8) Chloroethane	1.552	64	37256	4.545	ug/L	98
9) Trichlorofluoromethane	1.716	101	101588	4.870	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	52921	4.596	ug/L	100
12) 1,1-Dichloroethene	2.073	96	46936	4.591	ug/L	97
13) Acetone	2.156	43	87676	43.773	ug/L	82
14) Carbon disulfide	2.243	76	136355	4.049	ug/L	99
15) Methyl Acetate	2.394	43	21180	5.917	ug/L	90
16) Methylene chloride	2.452	84	57443	4.750	ug/L	95
17) Methyl tert-butyl Ether	2.716	73	105504	4.872	ug/L	97
18) trans-1,2-Dichloroethene	2.700	96	46690	4.335	ug/L	97
19) 1,1-Dichloroethane	3.121	63	95098	4.554	ug/L	98
21) 2-Butanone	3.905	43	116187	46.087	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	49612	4.590	ug/L #	98
23) Bromochloromethane	4.159	128	23466	4.648	ug/L	98
25) Chloroform	4.288	83	101642	4.817	ug/L	95

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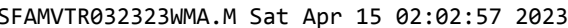
Instrument :
 MSVOA_V
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 VSTD005335

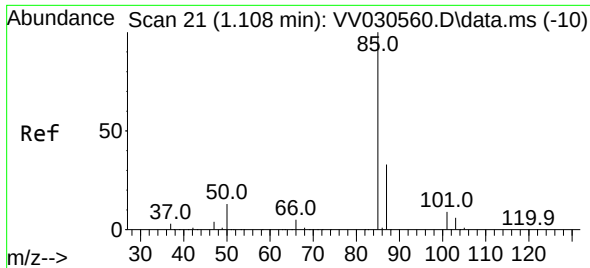
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 01:54:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	65133	5.105	ug/L	95
29) 1,1,1-Trichloroethane	4.523	97	94758	4.987	ug/L	99
30) Cyclohexane	4.590	56	72676	4.198	ug/L	97
31) Carbon tetrachloride	4.744	117	81311	4.716	ug/L	96
33) Benzene	5.021	78	198713	4.732	ug/L	100
34) Trichloroethene	5.841	95	51150	4.517	ug/L	97
35) Methylcyclohexane	6.060	83	75474	4.246	ug/L	99
37) 1,2-Dichloropropane	6.101	63	51948	4.819	ug/L	100
38) Bromodichloromethane	6.442	83	70302	4.980	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	66669	4.398	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	308977	54.393	ug/L	99
42) Toluene	7.323	91	219469	4.907	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	58573	4.541	ug/L	98
45) 1,1,2-Trichloroethane	7.777	97	37003	4.875	ug/L	97
47) Tetrachloroethene	7.915	164	45687	4.571	ug/L	98
48) 2-Hexanone	8.088	43	228950	53.817	ug/L	99
49) Dibromochloromethane	8.185	129	43333	4.796	ug/L	99
50) 1,2-Dibromoethane	8.291	107	34453	4.989	ug/L	99
51) Chlorobenzene	8.821	112	138295	4.829	ug/L	96
52) Ethylbenzene	8.957	91	229012	4.680	ug/L	97
53) m,p-Xylene	9.082	106	87777	4.686	ug/L	96
54) o-Xylene	9.487	106	83993	4.686	ug/L	100
55) Styrene	9.506	104	150459	4.942	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	44878	4.981	ug/L	99
59) Bromoform	9.674	173	24985	4.460	ug/L	97
60) Isopropylbenzene	9.876	105	235173	4.600	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29835	4.814	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	181440	4.350	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	188197	4.427	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	119311	4.680	ug/L	100
65) 1,4-Dichlorobenzene	11.220	146	117665	4.582	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	106944	4.656	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6785	4.402	ug/L	90
69) 1,3,5-Trichlorobenzene	12.593	180	86534	4.409	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	68170	4.498	ug/L	98
71) Naphthalene	13.448	128	100616	4.649	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	61732	4.702	ug/L	99

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

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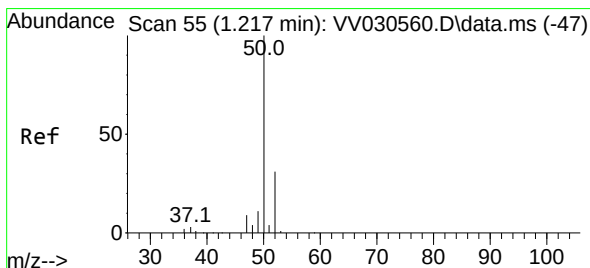
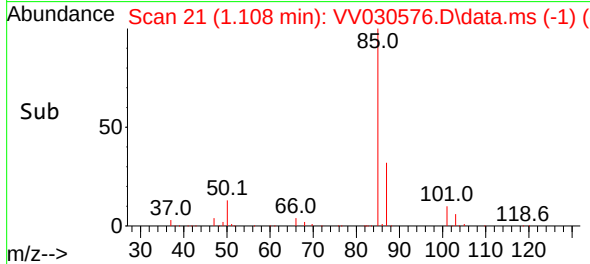
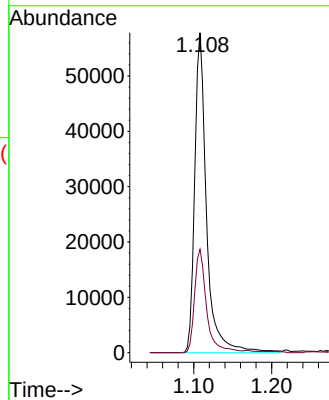
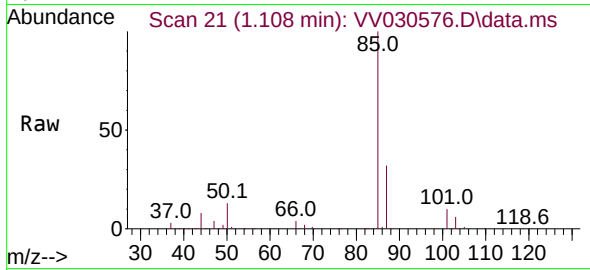




#2
 Dichlorodifluoromethane
 Concen: 3.934 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

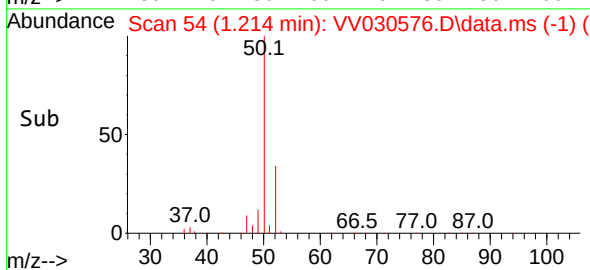
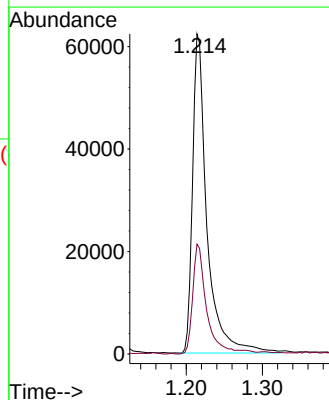
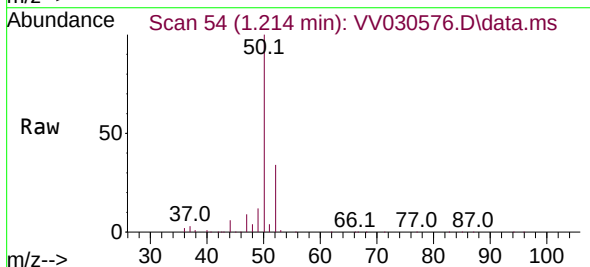
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005335

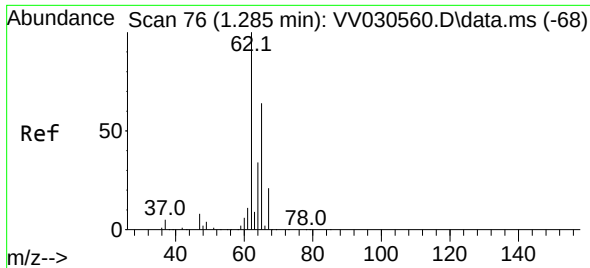
Tgt Ion: 85 Resp: 61189
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.6 38.4



#3
 Chloromethane
 Concen: 4.174 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

Tgt Ion: 50 Resp: 81935
 Ion Ratio Lower Upper
 50 100
 52 34.3 22.3 41.5

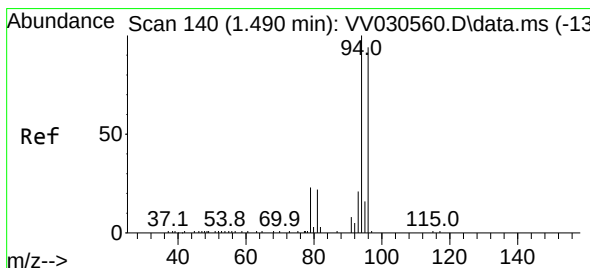
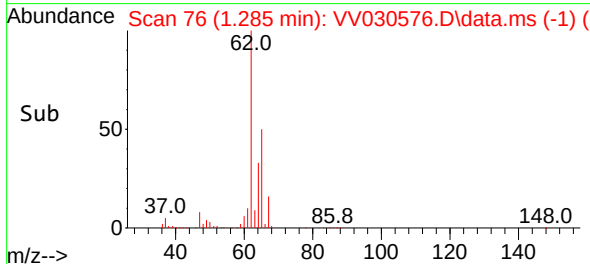
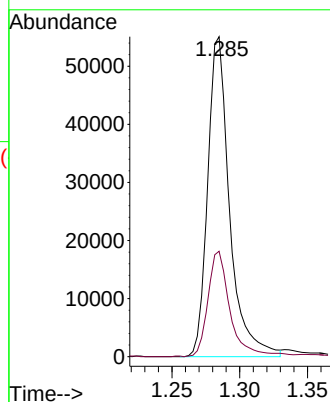
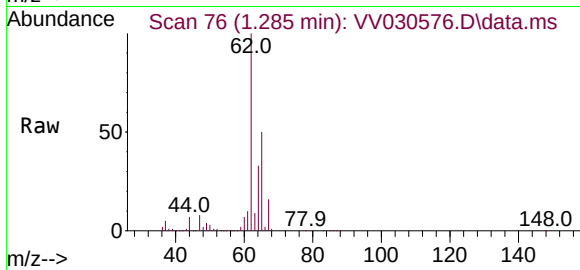




#5
 Vinyl chloride
 Concen: 4.334 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

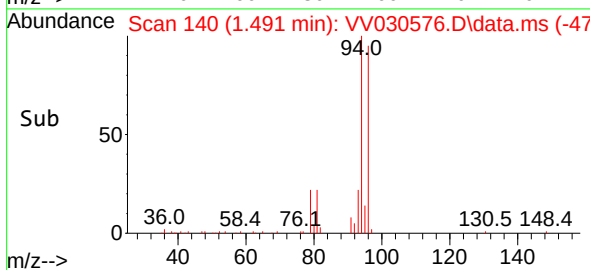
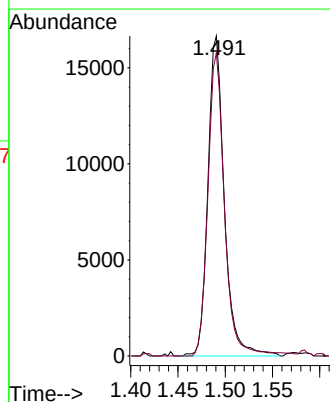
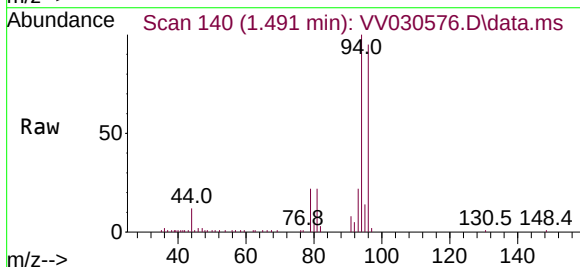
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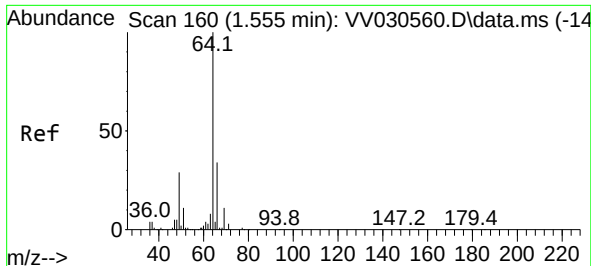
Tgt Ion: 62 Resp: 62024
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.2



#6
 Bromomethane
 Concen: 4.937 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

Tgt Ion: 94 Resp: 20151
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.1 122.7

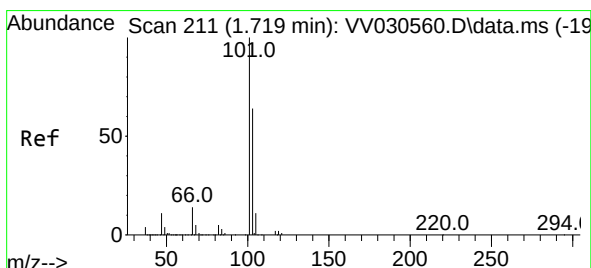
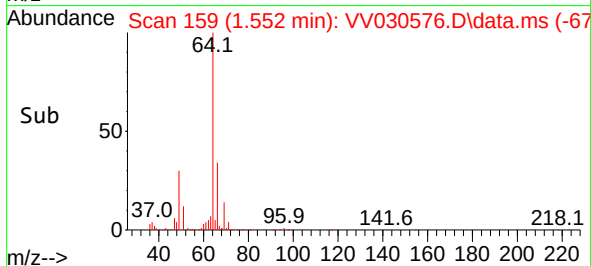
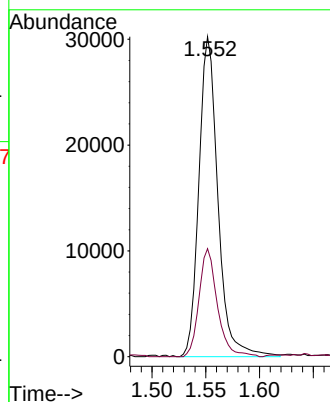
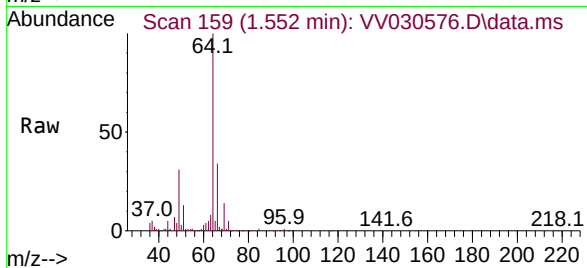




#8
Chloroethane
Concen: 4.545 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

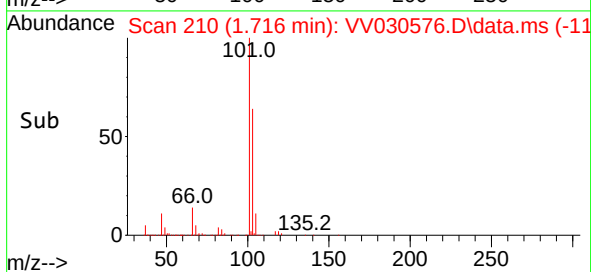
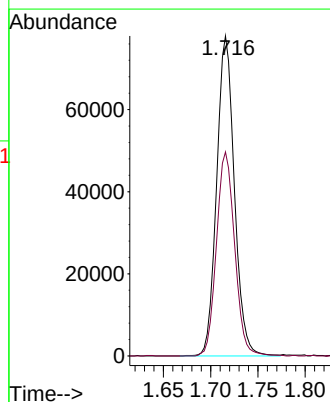
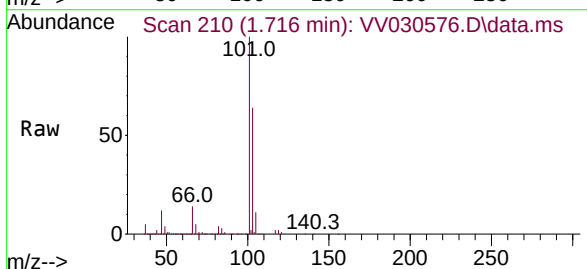
Instrument :
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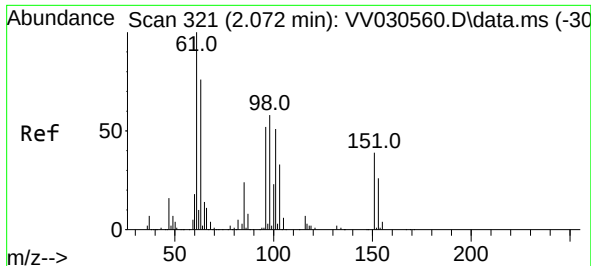
Tgt Ion: 64 Resp: 37256
Ion Ratio Lower Upper
64 100
66 33.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.870 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 101 Resp: 101588
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.6





#10

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

Concen: 4.596 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

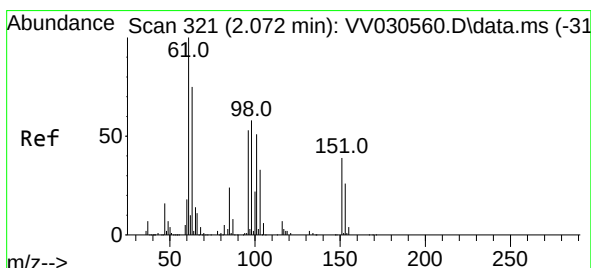
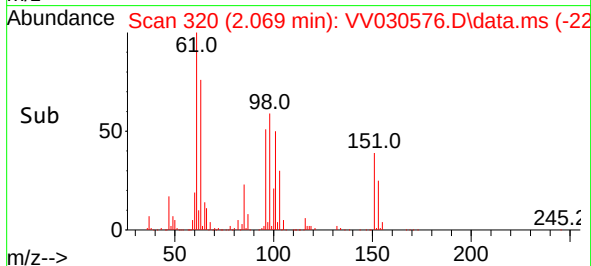
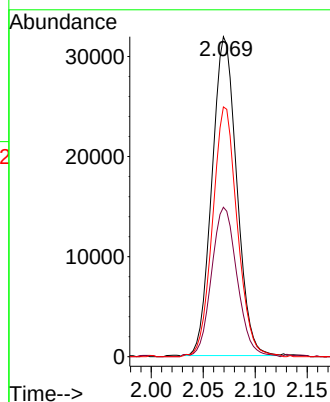
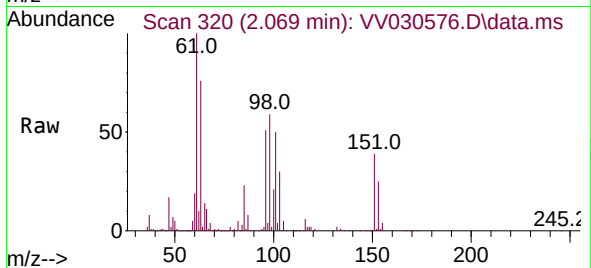
Tgt Ion:101 Resp: 52921

Ion Ratio Lower Upper

101 100

85 48.4 38.1 57.1

151 78.4 62.7 94.1



#12

1,1-Dichloroethene

Concen: 4.591 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

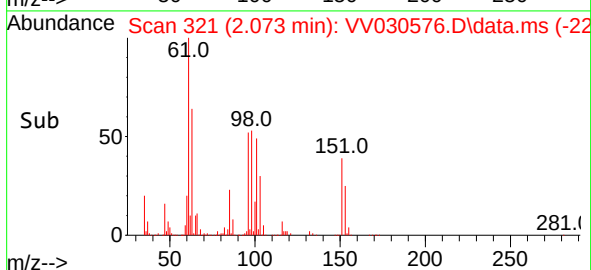
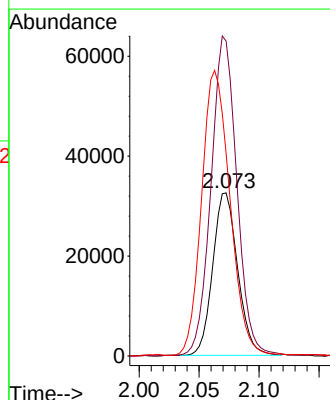
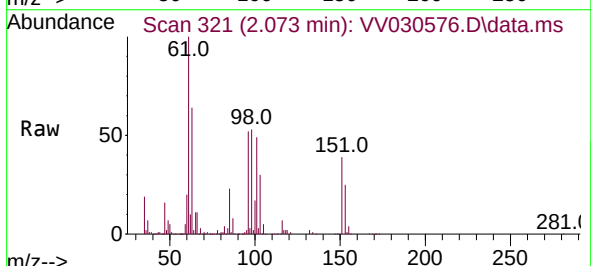
Tgt Ion: 96 Resp: 46936

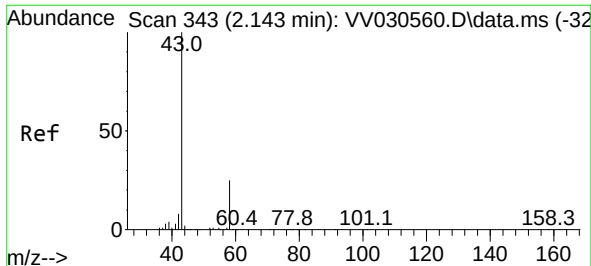
Ion Ratio Lower Upper

96 100

61 193.2 136.3 253.1

63 124.2 92.1 171.1





#13

Acetone

Concen: 43.773 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.013 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

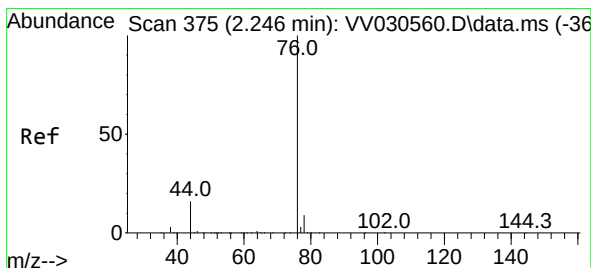
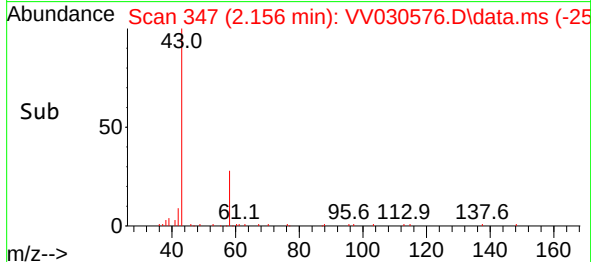
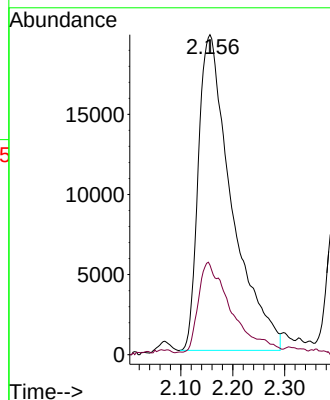
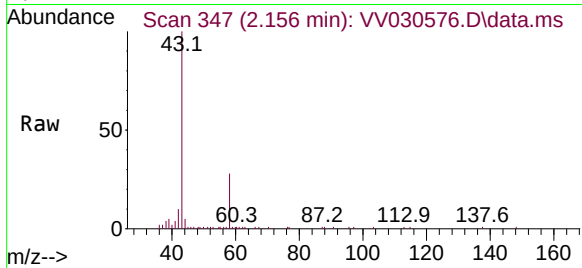
VSTD005335

Tgt Ion: 43 Resp: 87676

Ion Ratio Lower Upper

43 100

58 28.6 0.0 40.8



#14

Carbon disulfide

Concen: 4.049 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV030576.D

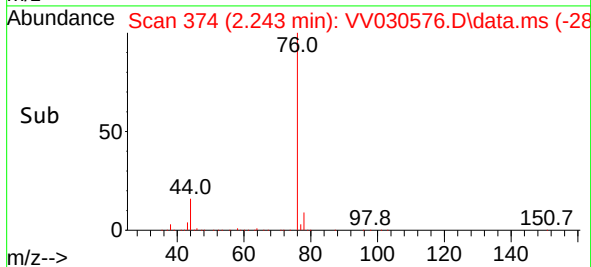
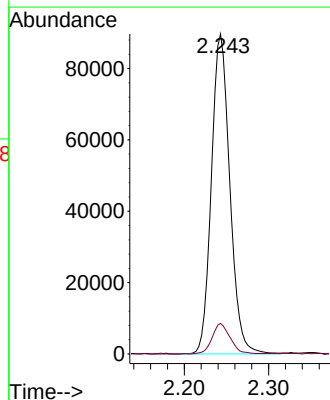
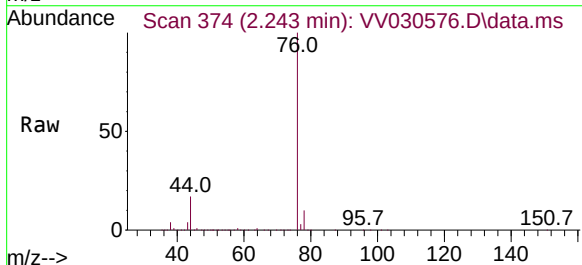
Acq: 14 Apr 2023 16:28

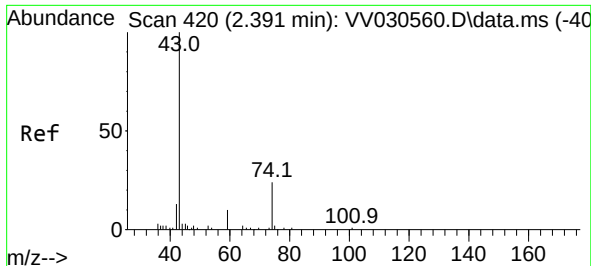
Tgt Ion: 76 Resp: 136355

Ion Ratio Lower Upper

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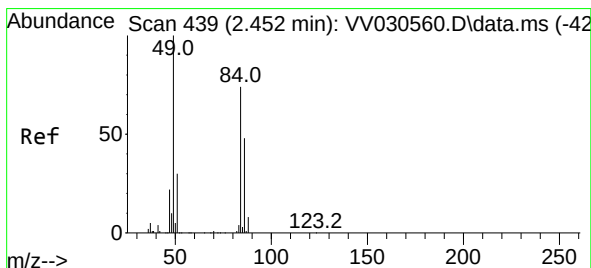
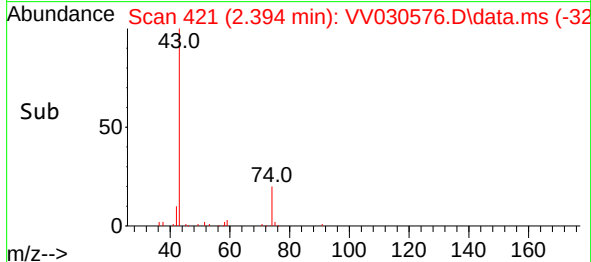
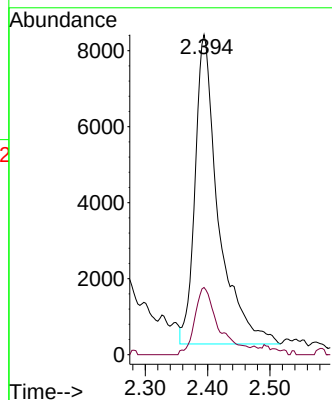
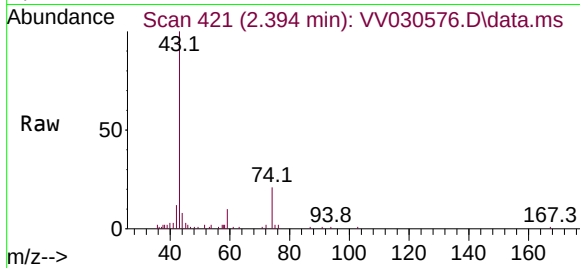




#15
Methyl Acetate
Concen: 5.917 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

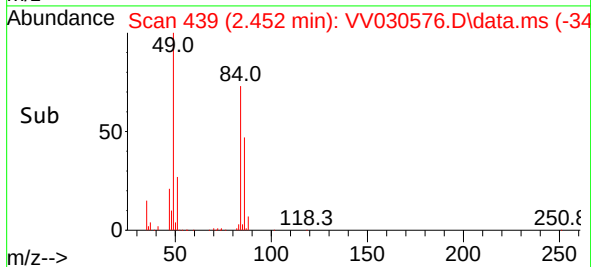
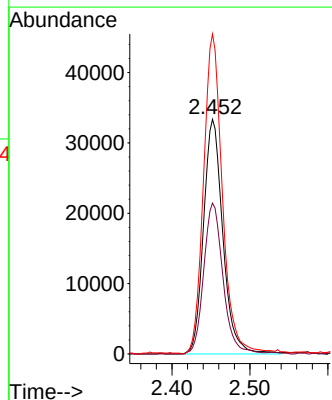
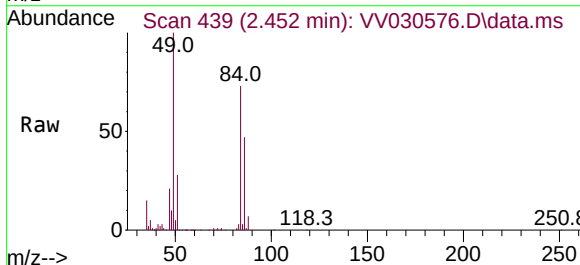
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

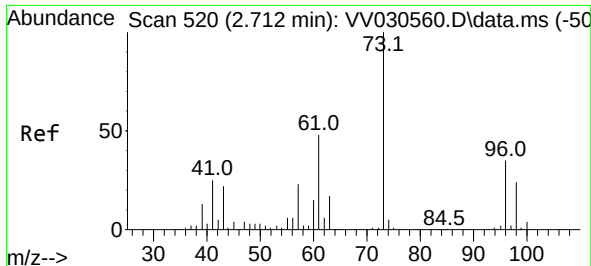
Tgt Ion: 43 Resp: 21180
Ion Ratio Lower Upper
43 100
74 22.3 22.1 33.1



#16
Methylene chloride
Concen: 4.750 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 84 Resp: 57443
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.6
49 136.3 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.872 ug/L

RT: 2.716 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

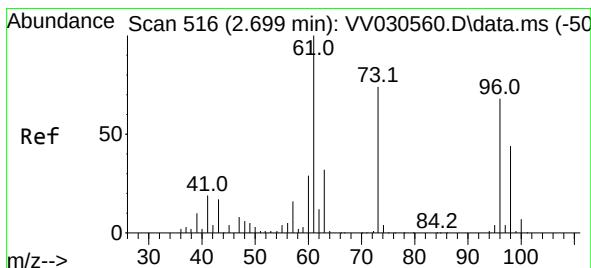
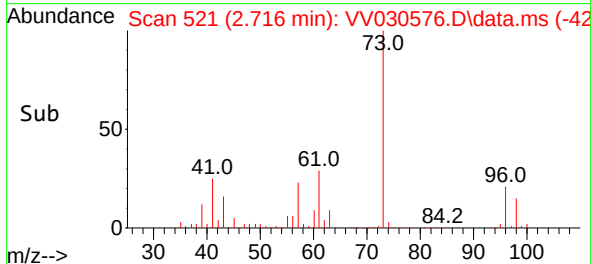
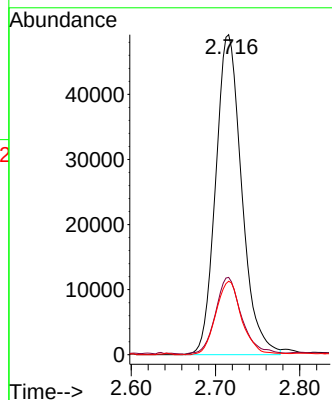
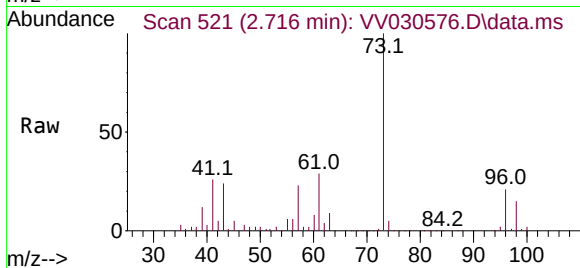
Tgt Ion: 73 Resp: 105504

Ion Ratio Lower Upper

73 100

43 24.6 17.4 26.2

57 22.8 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.335 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

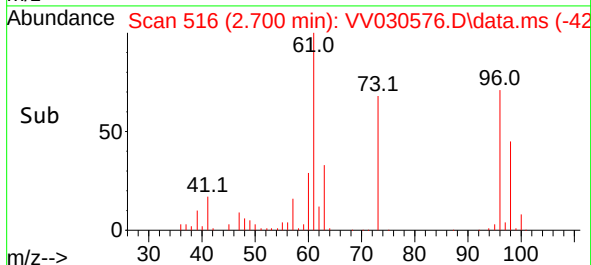
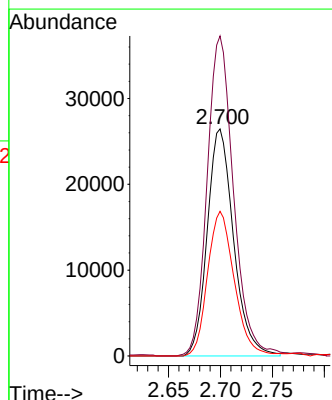
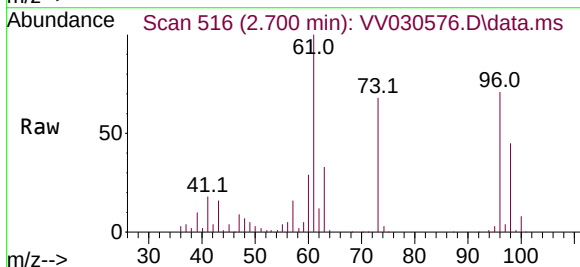
Tgt Ion: 96 Resp: 46690

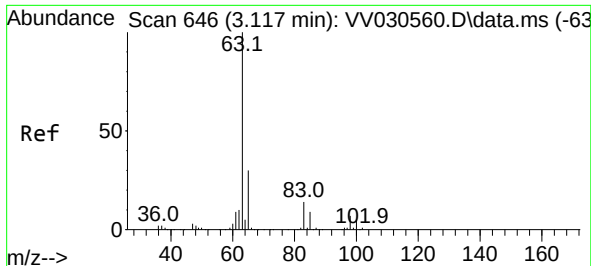
Ion Ratio Lower Upper

96 100

61 141.0 101.7 188.9

98 63.7 45.8 85.2

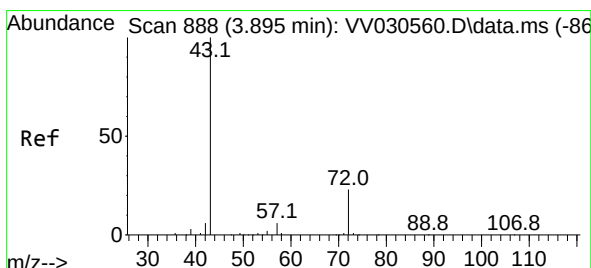
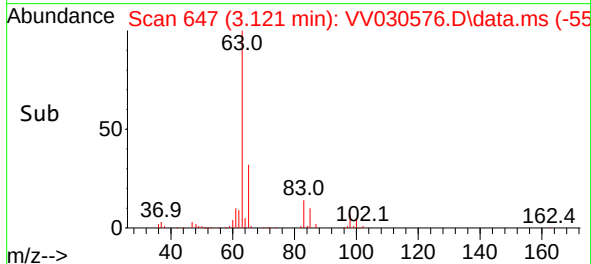
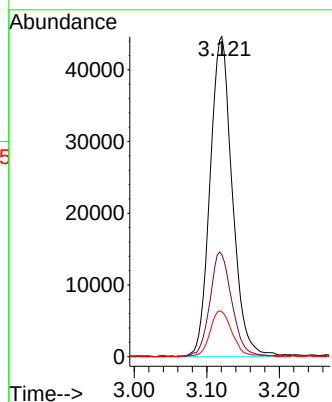
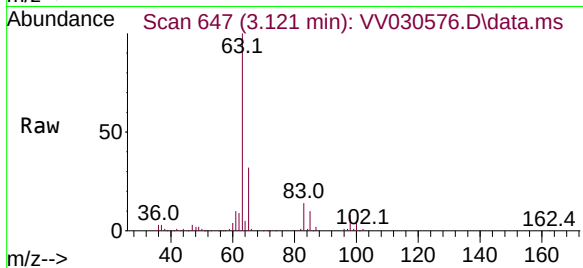




#19
1,1-Dichloroethane
Concen: 4.554 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

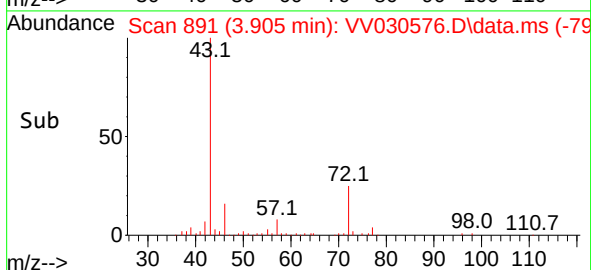
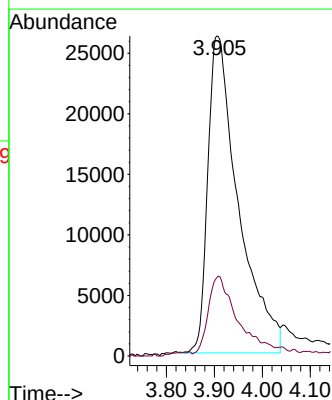
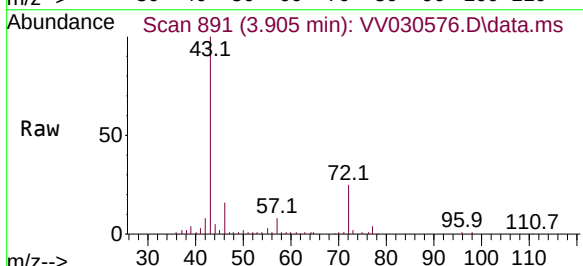
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

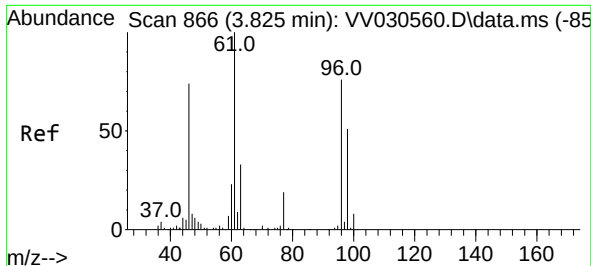
Tgt Ion:	63	Resp:	95098
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.7	40.3
83	14.1	9.1	16.9



#21
2-Butanone
Concen: 46.087 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.010 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:	43	Resp:	116187
Ion	Ratio	Lower	Upper
43	100		
72	23.1	11.2	33.5

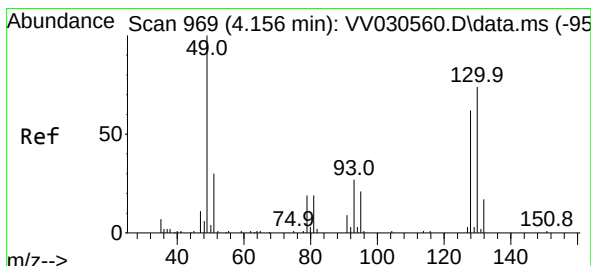
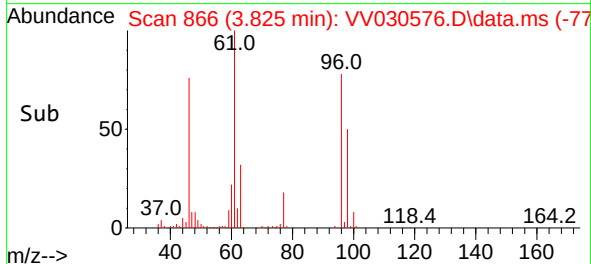
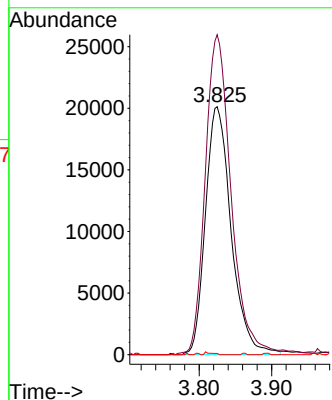
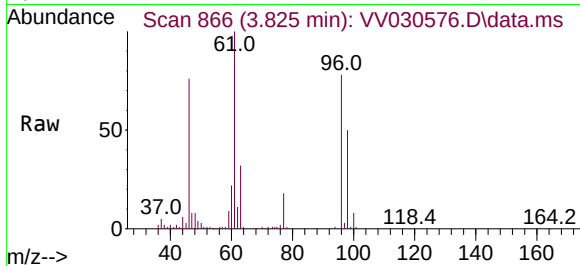




#22
 cis-1,2-Dichloroethene
 Concen: 4.590 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

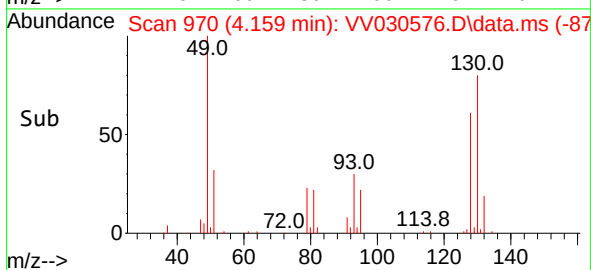
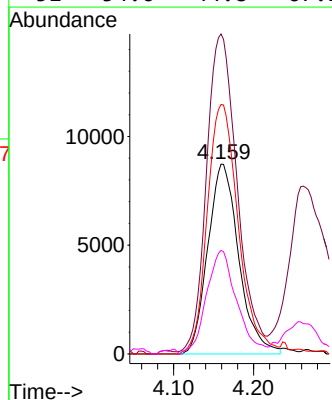
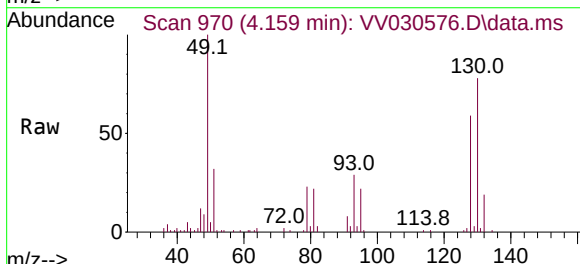
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005335

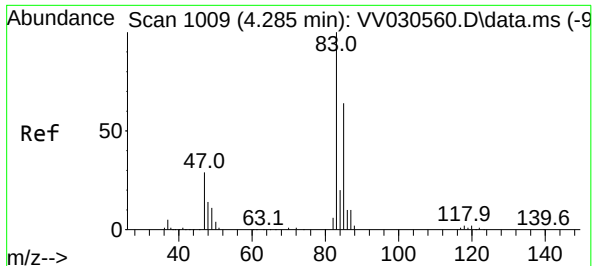
Tgt Ion: 96 Resp: 49612
 Ion Ratio Lower Upper
 96 100
 61 129.0 92.0 170.8
 68 0.5 0.0 0.0#



#23
 Bromochloromethane
 Concen: 4.648 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV030576.D
 Acq: 14 Apr 2023 16:28

Tgt Ion: 128 Resp: 23466
 Ion Ratio Lower Upper
 128 100
 49 168.6 119.4 221.8
 130 131.4 89.2 165.8
 51 54.6 44.8 67.2

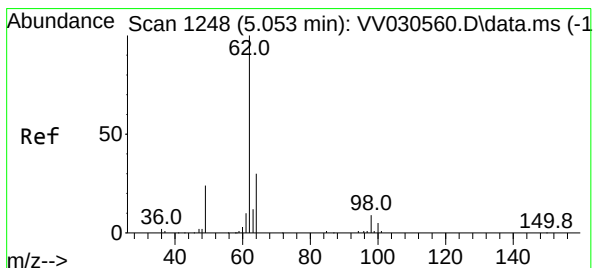
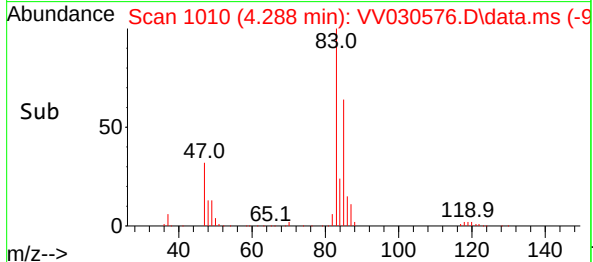
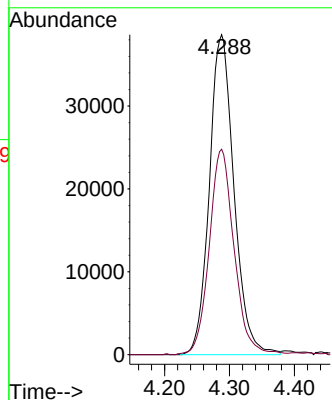
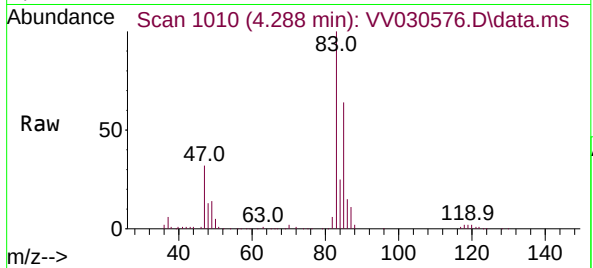




#25
Chloroform
Concen: 4.817 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

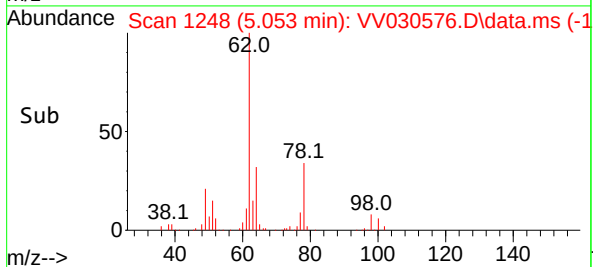
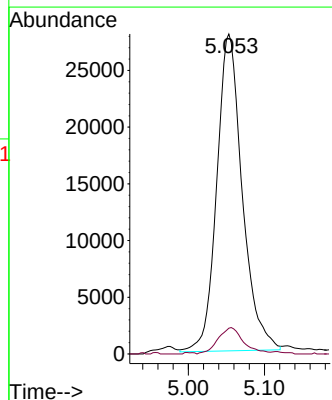
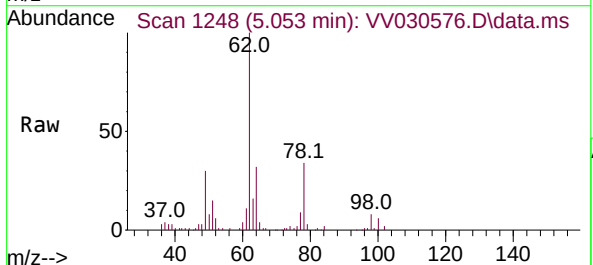
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

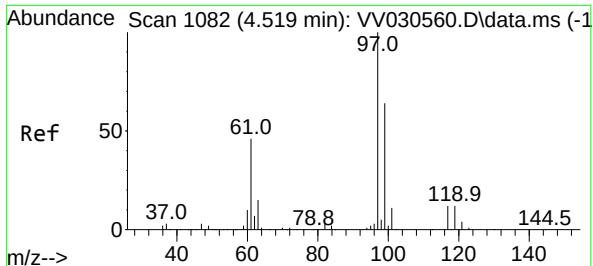
Tgt Ion: 83 Resp: 101642
Ion Ratio Lower Upper
83 100
85 64.2 47.6 88.4



#27
1,2-Dichloroethane
Concen: 5.105 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 62 Resp: 65133
Ion Ratio Lower Upper
62 100
98 8.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.987 ug/L

RT: 4.523 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

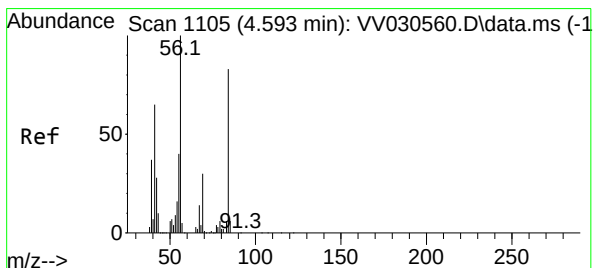
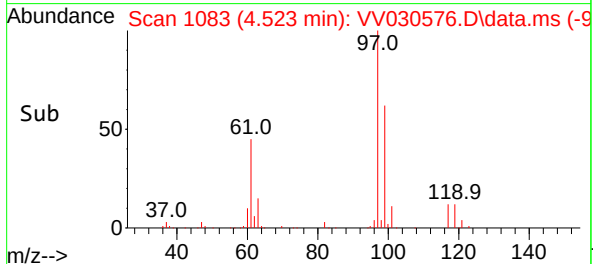
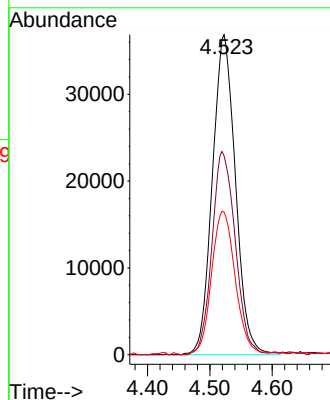
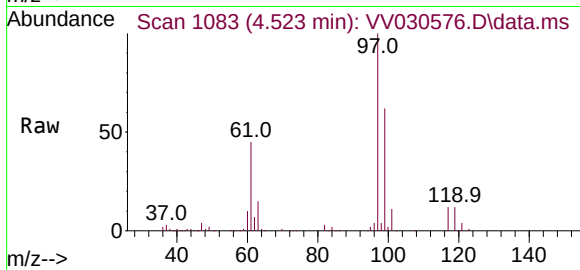
Tgt Ion: 97 Resp: 94758

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

61 46.2 35.9 53.9



#30

Cyclohexane

Concen: 4.198 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

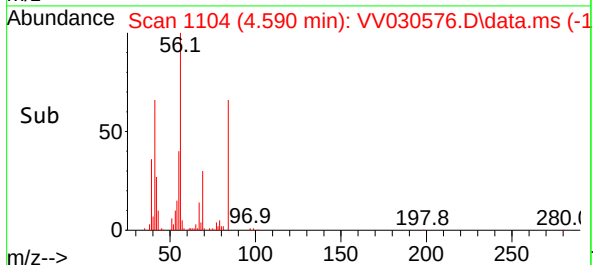
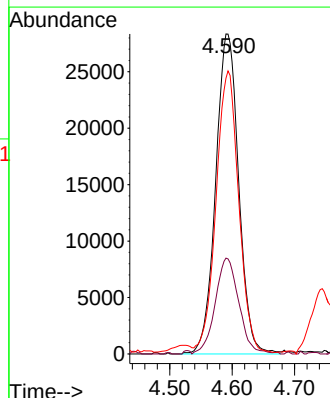
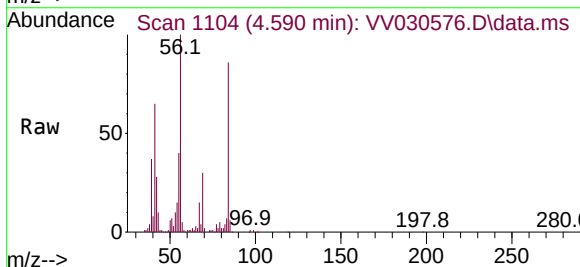
Tgt Ion: 56 Resp: 72676

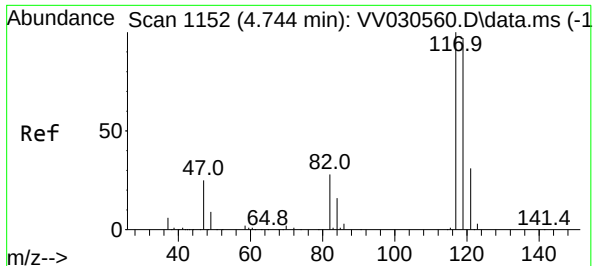
Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.2

84 86.3 66.6 100.0

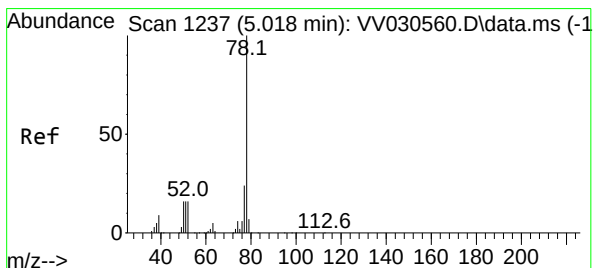
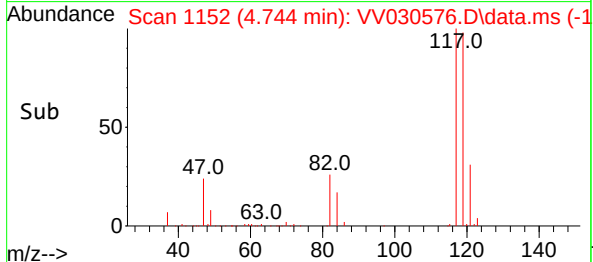
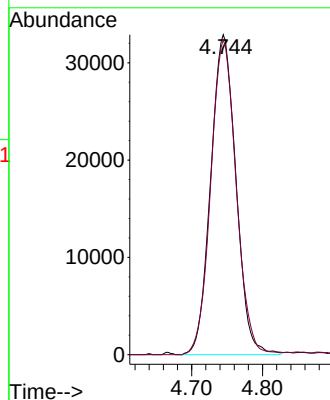
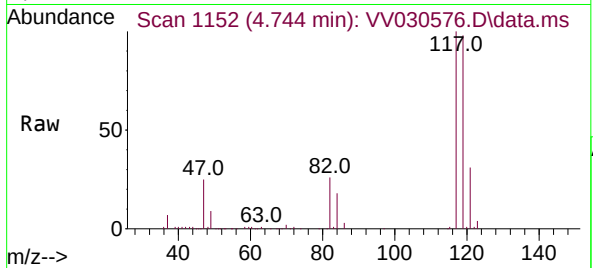




#31
Carbon tetrachloride
Concen: 4.716 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

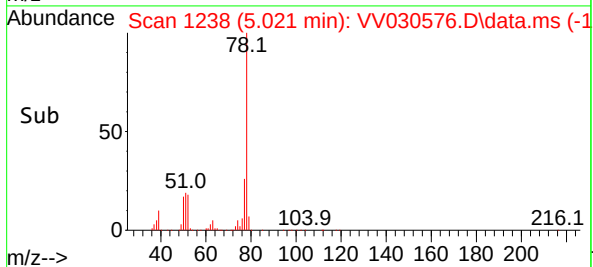
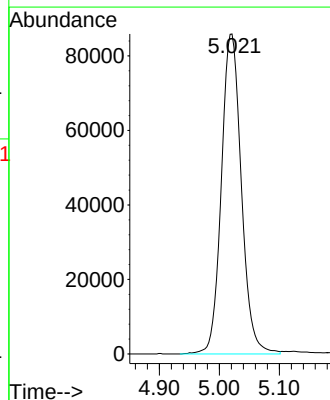
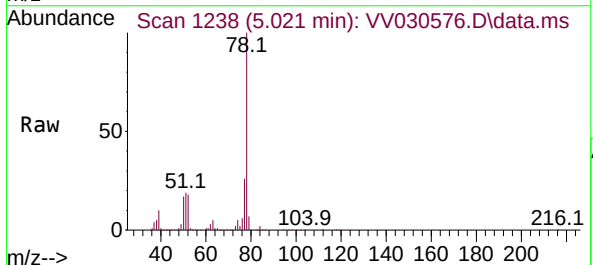
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

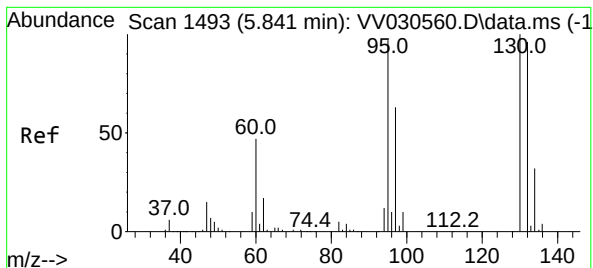
Tgt Ion:117 Resp: 81311
Ion Ratio Lower Upper
117 100
119 99.2 76.2 114.4



#33
Benzene
Concen: 4.732 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 78 Resp: 198713





#34

Trichloroethene

Concen: 4.517 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

Tgt Ion: 95 Resp: 51150

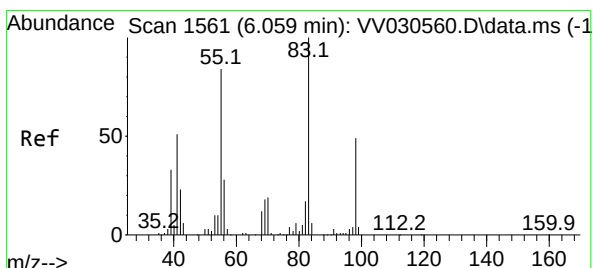
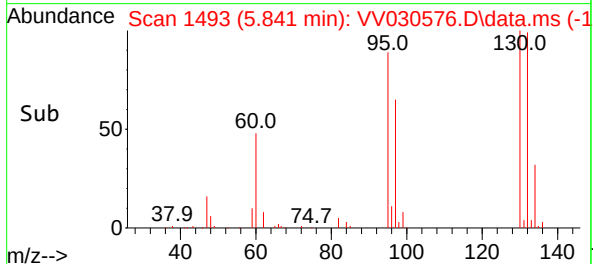
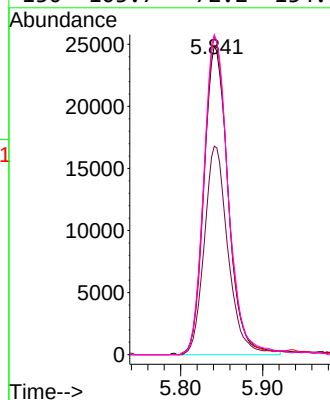
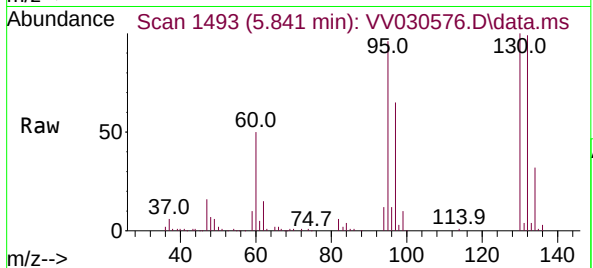
Ion Ratio Lower Upper

95 100

97 67.6 44.2 82.2

132 103.1 69.5 129.1

130 103.7 72.2 134.0



#35

Methylcyclohexane

Concen: 4.246 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

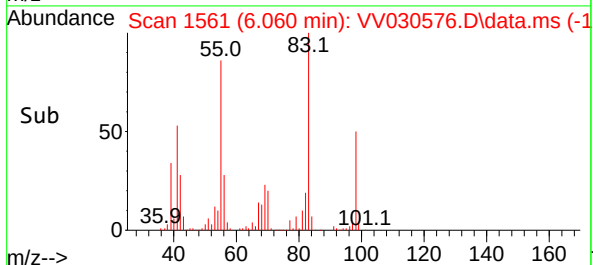
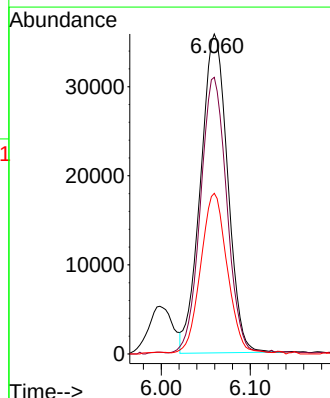
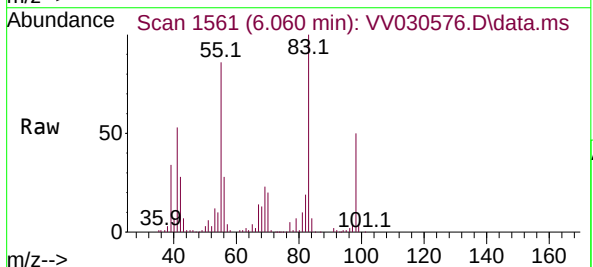
Tgt Ion: 83 Resp: 75474

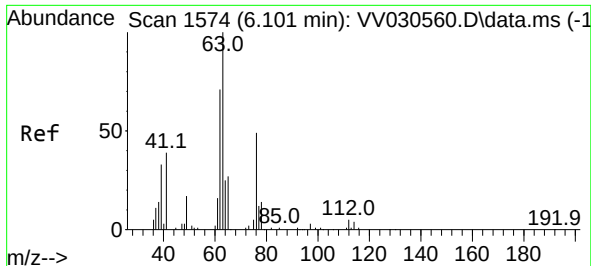
Ion Ratio Lower Upper

83 100

55 83.8 66.6 100.0

98 48.6 38.6 58.0





#37

1,2-Dichloropropane

Concen: 4.819 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

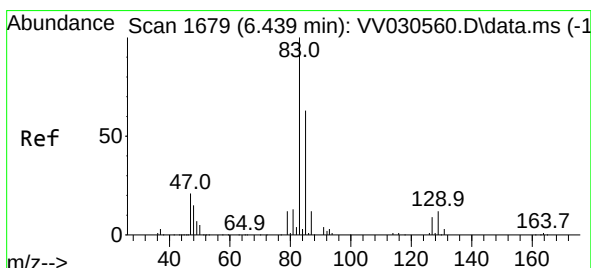
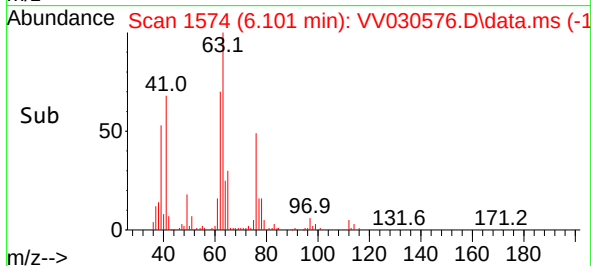
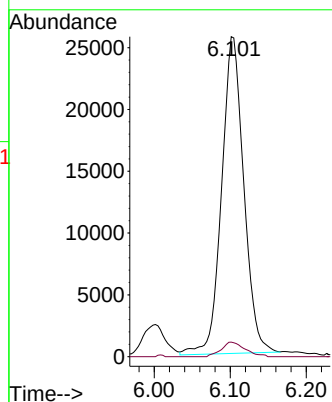
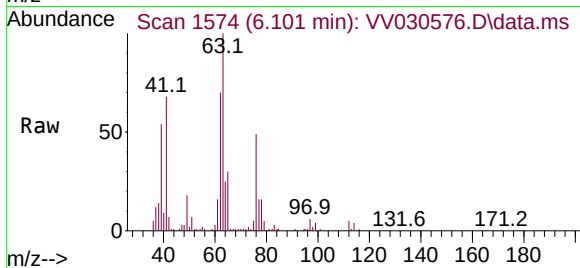
VSTD005335

Tgt Ion: 63 Resp: 51948

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 4.980 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

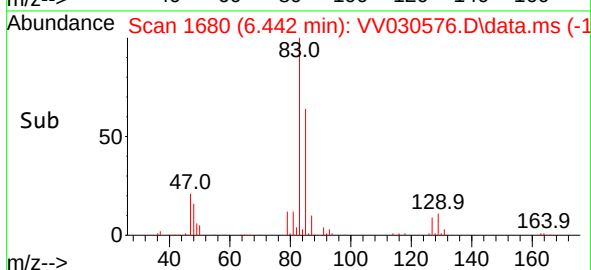
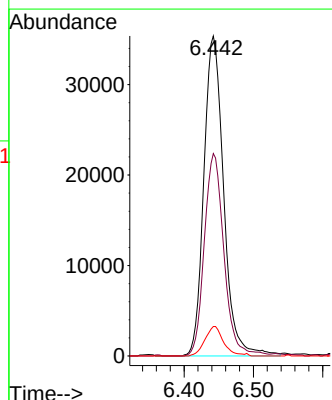
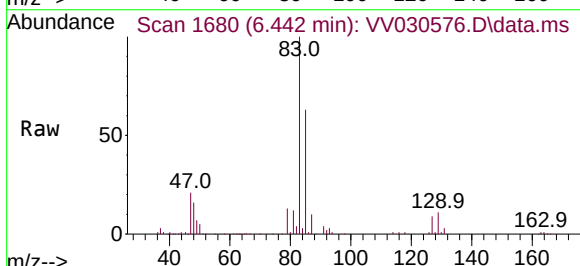
Tgt Ion: 83 Resp: 70302

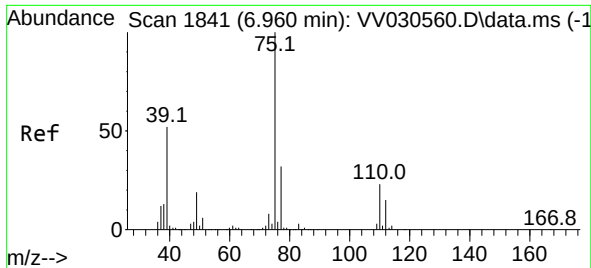
Ion Ratio Lower Upper

83 100

85 63.2 45.3 84.1

127 9.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.398 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

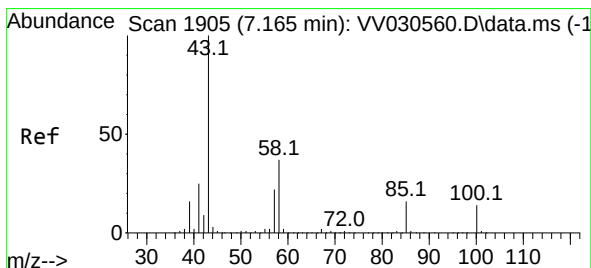
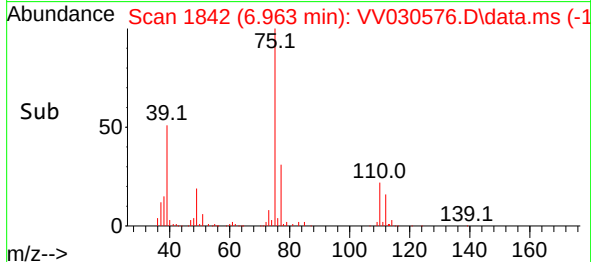
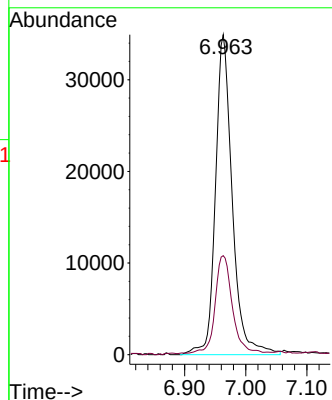
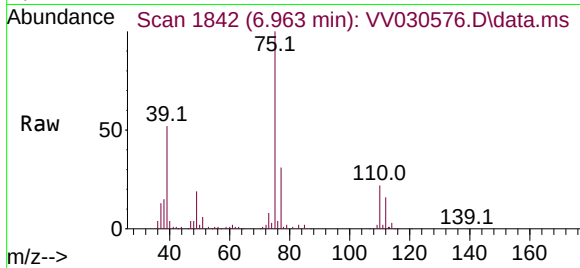
VSTD005335

Tgt Ion: 75 Resp: 66669

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 54.393 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

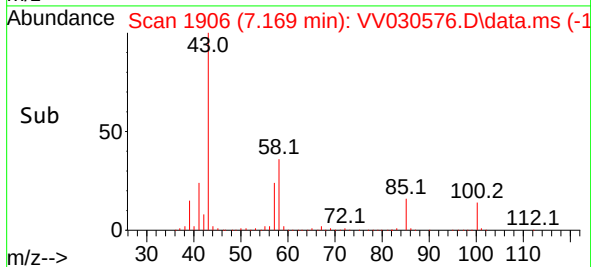
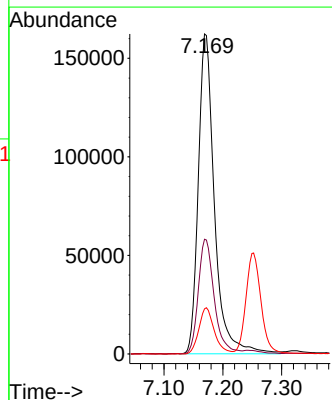
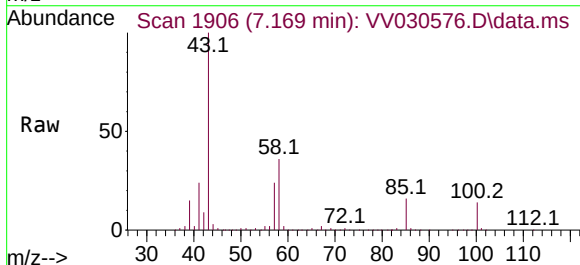
Tgt Ion: 43 Resp: 308977

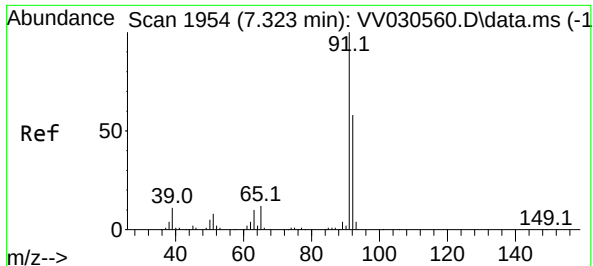
Ion Ratio Lower Upper

43 100

58 35.3 28.8 43.2

100 13.9 10.7 16.1

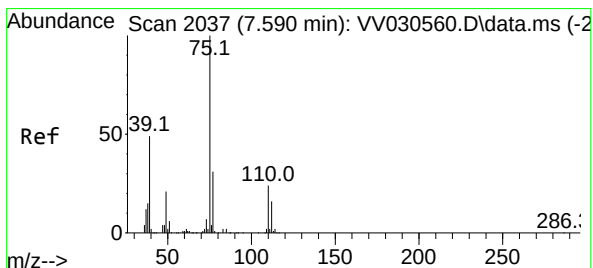
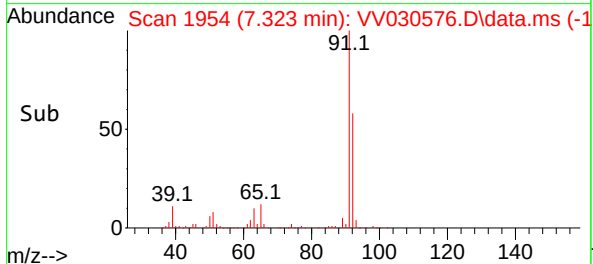
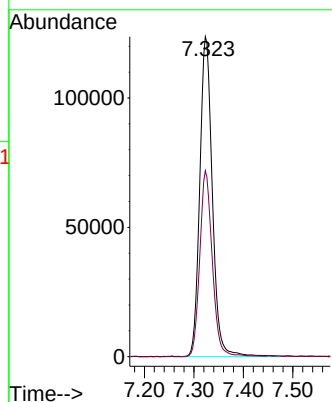
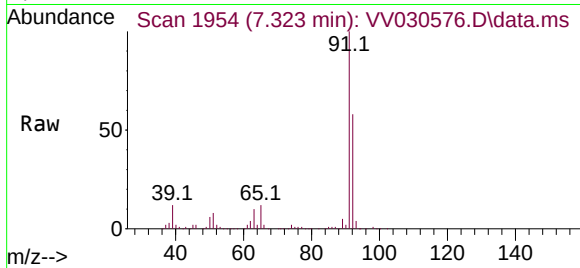




#42
Toluene
Concen: 4.907 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

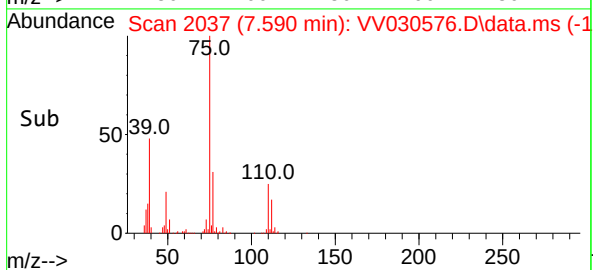
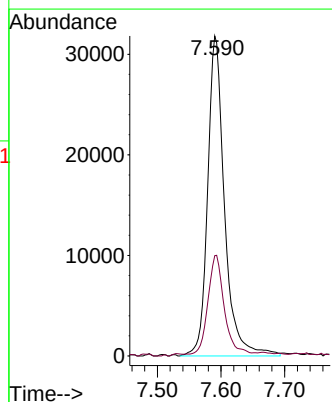
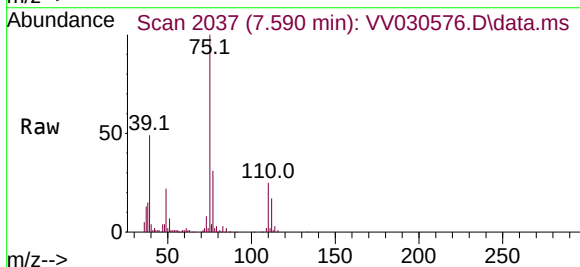
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

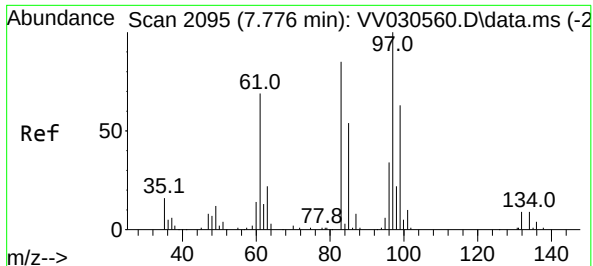
Tgt Ion: 91 Resp: 219469
Ion Ratio Lower Upper
91 100
92 58.2 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 4.541 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 75 Resp: 58573
Ion Ratio Lower Upper
75 100
77 31.4 21.2 39.4

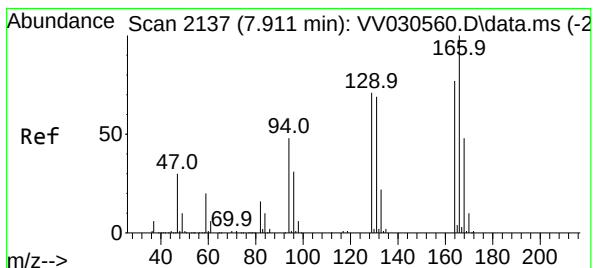
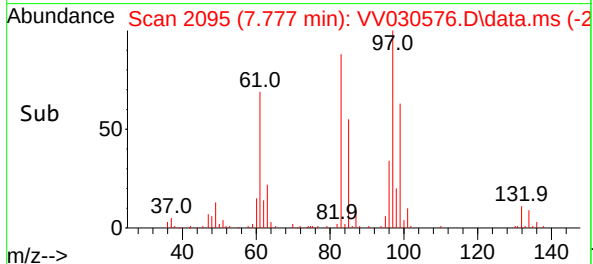
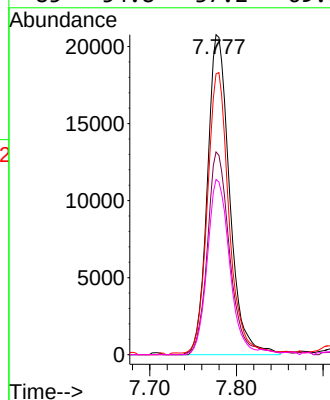
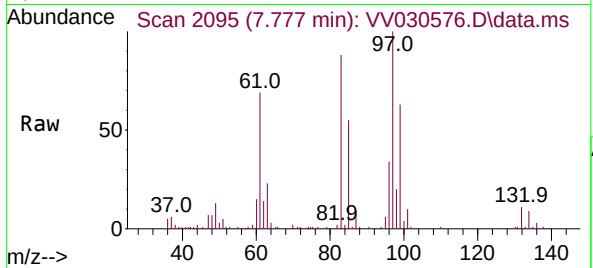




#45
1,1,2-Trichloroethane
Concen: 4.875 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

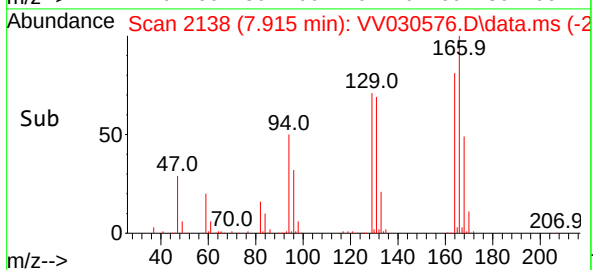
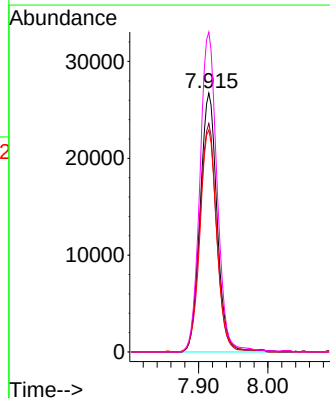
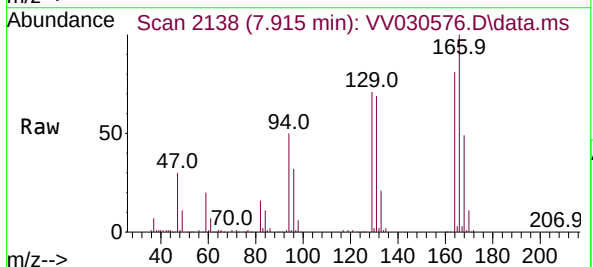
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

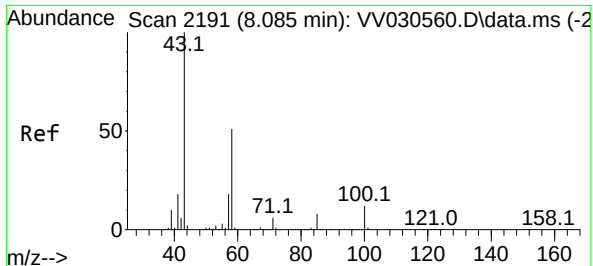
Tgt Ion:	97	Resp:	37003
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	87.8	58.8	109.2
85	54.8	37.2	69.0



#47
Tetrachloroethene
Concen: 4.571 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:	164	Resp:	45687
Ion	Ratio	Lower	Upper
164	100		
129	88.3	60.8	112.8
131	85.7	61.7	114.7
166	123.6	85.6	159.0





#48

2-Hexanone

Concen: 53.817 ug/L

RT: 8.088 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

Tgt Ion: 43 Resp: 228950

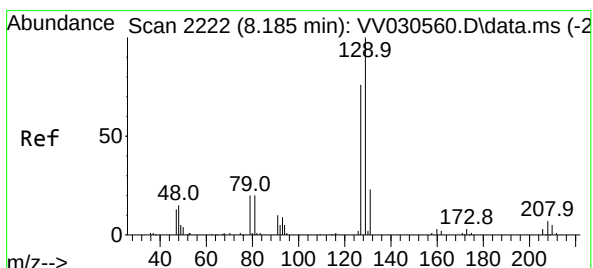
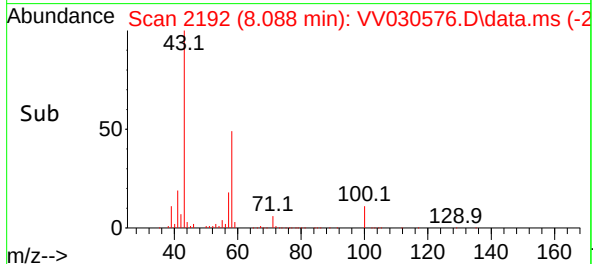
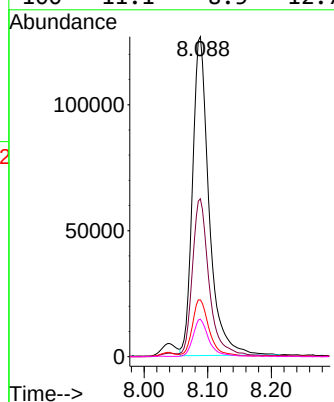
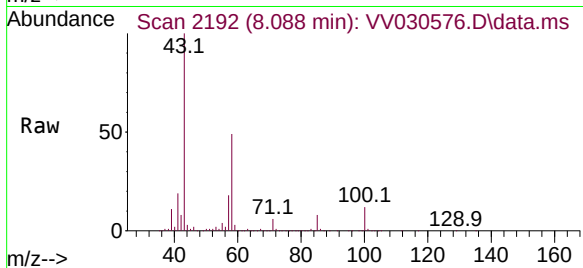
Ion Ratio Lower Upper

43 100

58 49.7 40.3 60.5

57 18.1 14.6 22.0

100 11.1 8.5 12.7



#49

Dibromochloromethane

Concen: 4.796 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030576.D

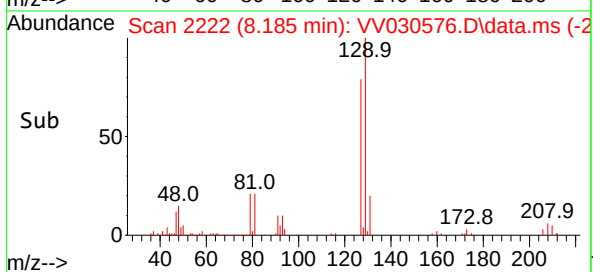
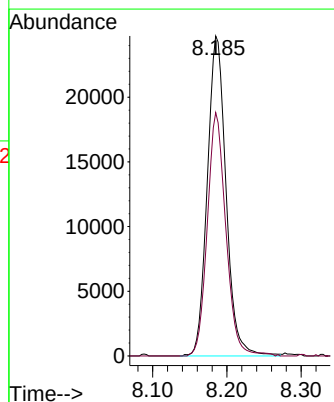
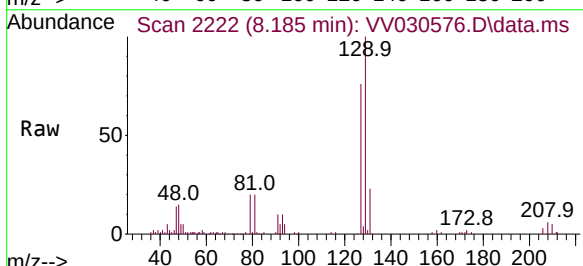
Acq: 14 Apr 2023 16:28

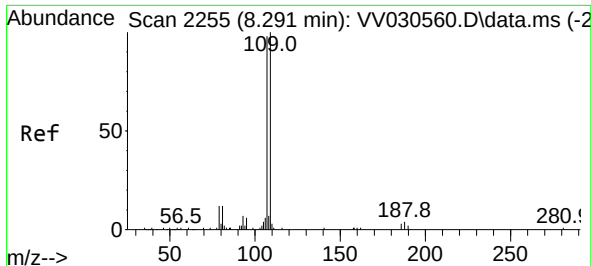
Tgt Ion: 129 Resp: 43333

Ion Ratio Lower Upper

129 100

127 76.0 52.7 97.9

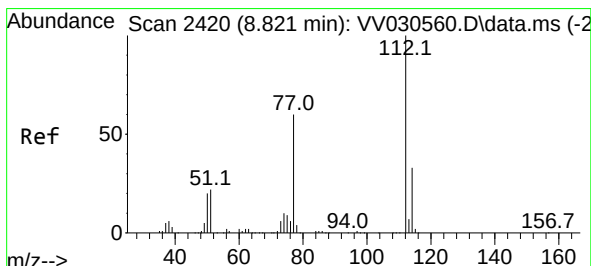
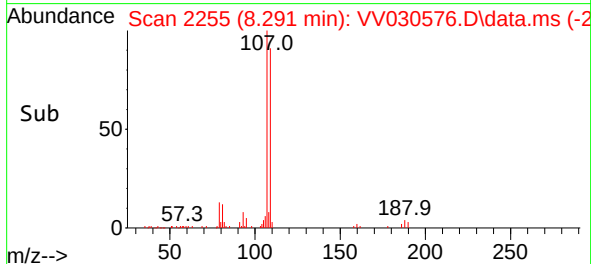
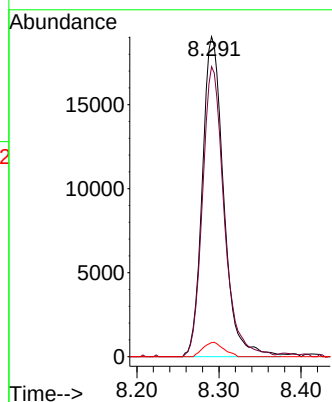
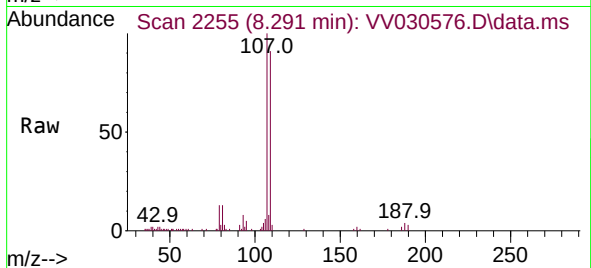




#50
1,2-Dibromoethane
Concen: 4.989 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

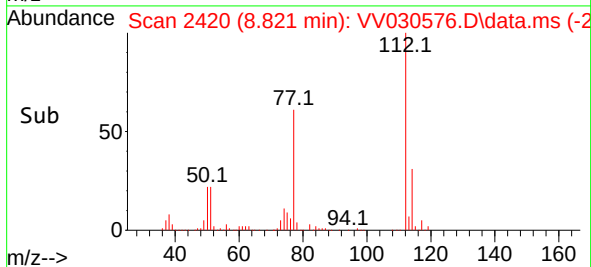
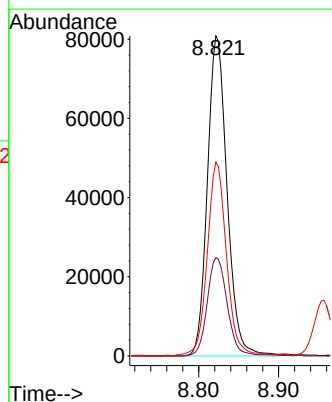
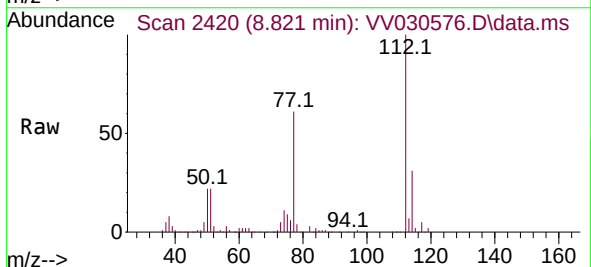
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

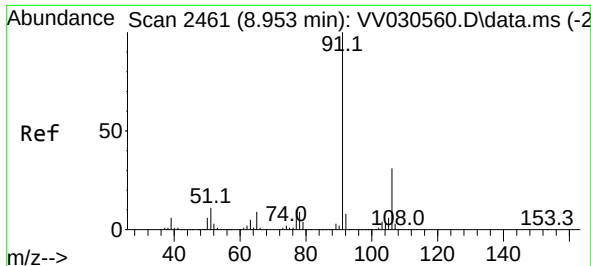
Tgt Ion:107 Resp: 34453
Ion Ratio Lower Upper
107 100
109 90.7 62.9 116.9
188 4.4 3.0 4.6



#51
Chlorobenzene
Concen: 4.829 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:112 Resp: 138295
Ion Ratio Lower Upper
112 100
114 30.8 22.4 41.6
77 60.5 45.9 68.9





#52

Ethylbenzene

Concen: 4.680 ug/L

RT: 8.957 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

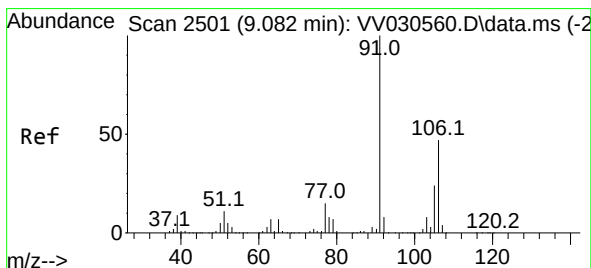
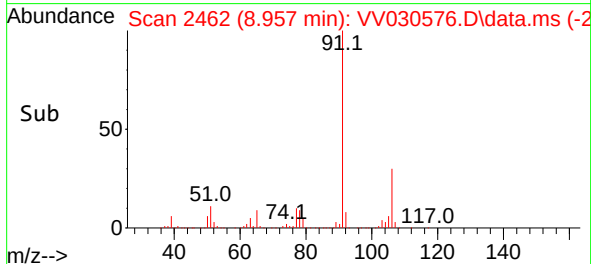
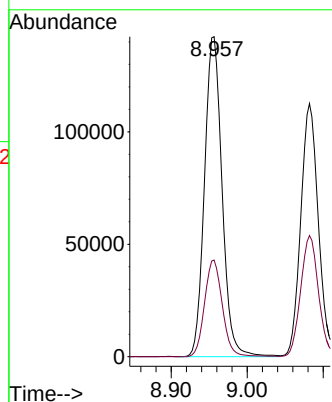
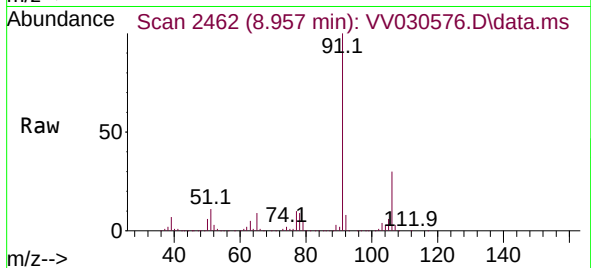
VSTD005335

Tgt Ion: 91 Resp: 229012

Ion Ratio Lower Upper

91 100

106 30.2 22.2 41.2



#53

m,p-Xylene

Concen: 4.686 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.000 min

Lab File: VV030576.D

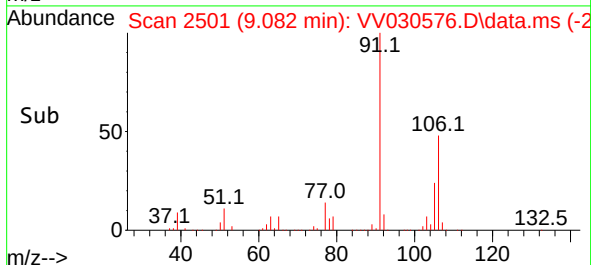
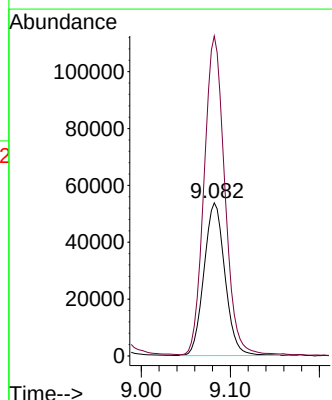
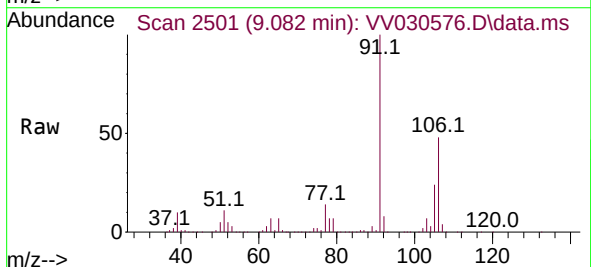
Acq: 14 Apr 2023 16:28

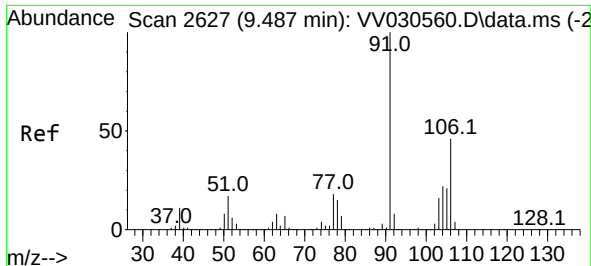
Tgt Ion: 106 Resp: 87777

Ion Ratio Lower Upper

106 100

91 209.0 142.4 264.4

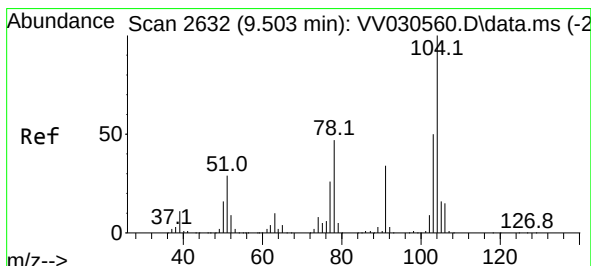
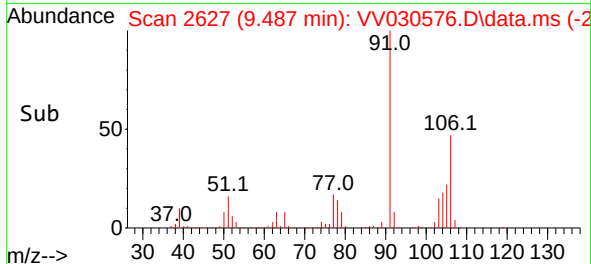
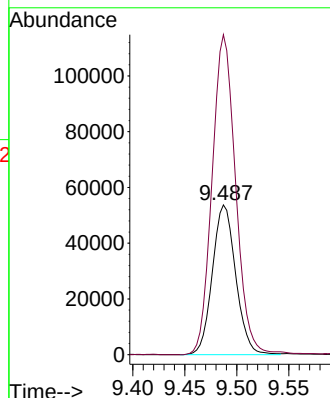
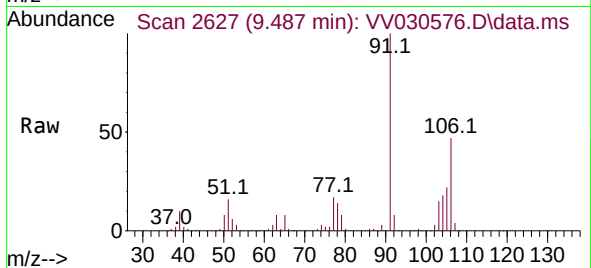




#54
o-Xylene
Concen: 4.686 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

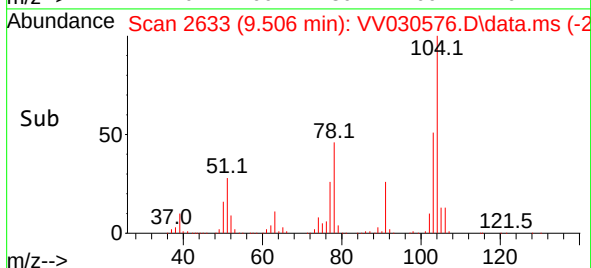
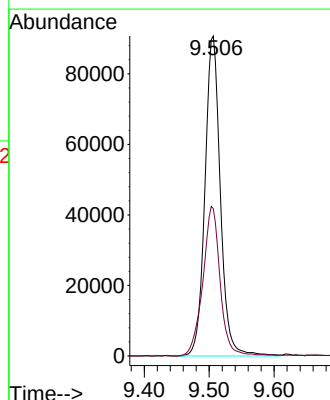
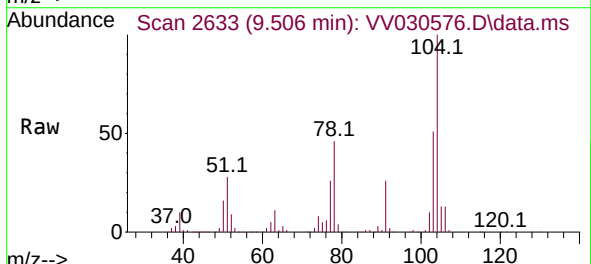
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

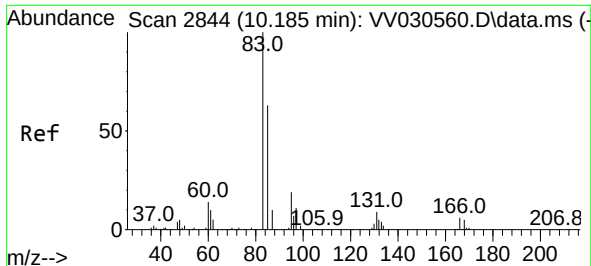
Tgt Ion:106 Resp: 83993
Ion Ratio Lower Upper
106 100
91 213.6 149.8 278.2



#55
Styrene
Concen: 4.942 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:104 Resp: 150459
Ion Ratio Lower Upper
104 100
78 46.1 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.981 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

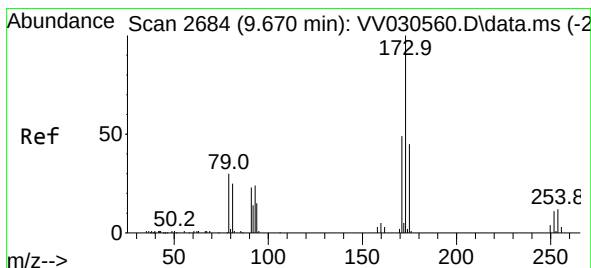
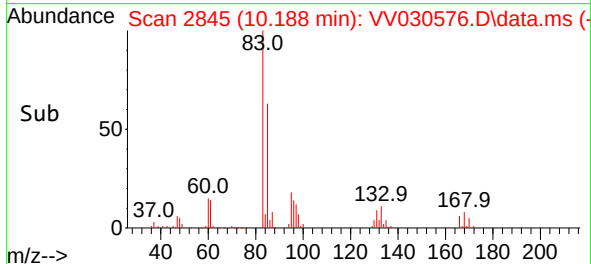
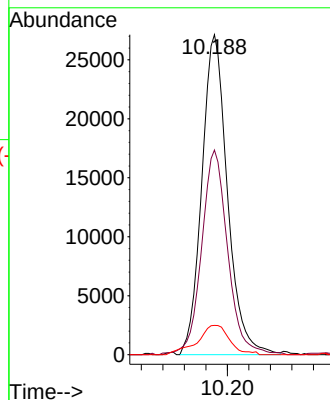
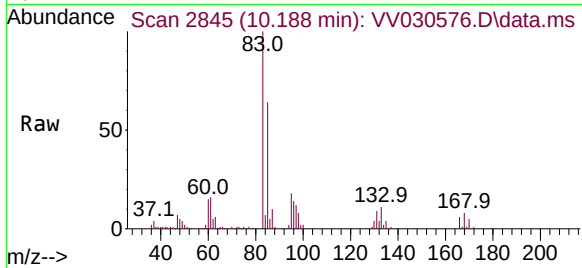
Tgt Ion: 83 Resp: 44878

Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

131 9.1 8.2 12.4



#59

Bromoform

Concen: 4.460 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

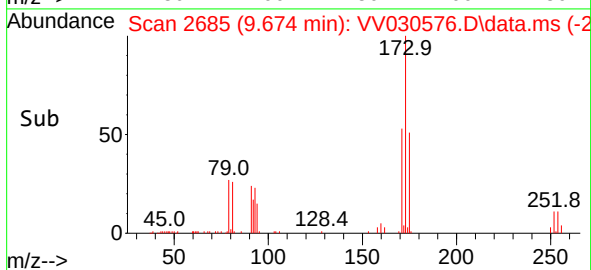
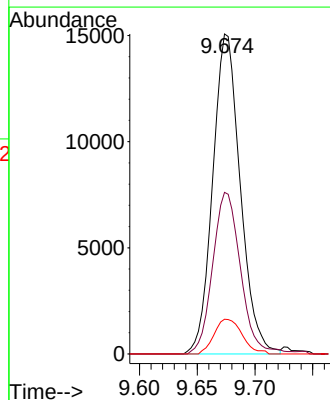
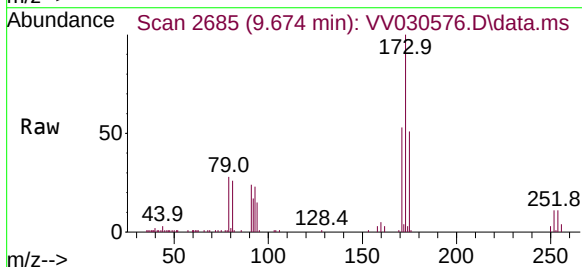
Tgt Ion: 173 Resp: 24985

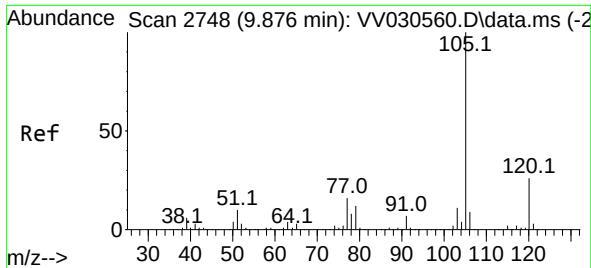
Ion Ratio Lower Upper

173 100

175 51.2 39.0 58.4

254 11.0 8.2 12.4

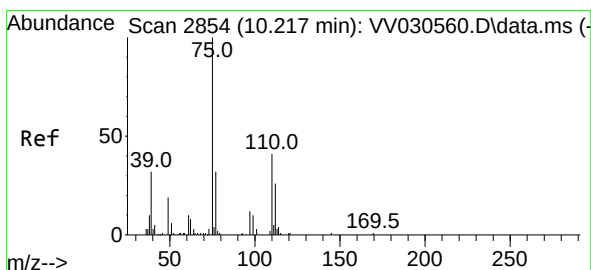
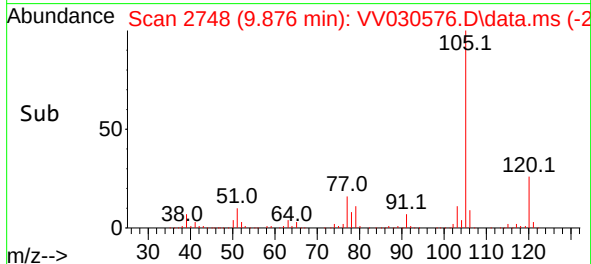
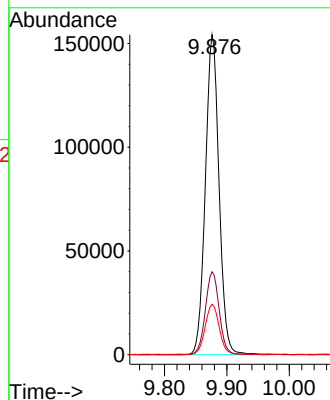
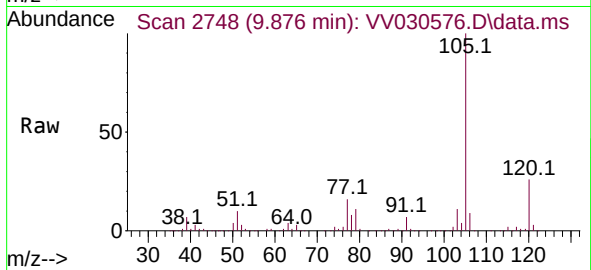




#60
Isopropylbenzene
Concen: 4.600 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

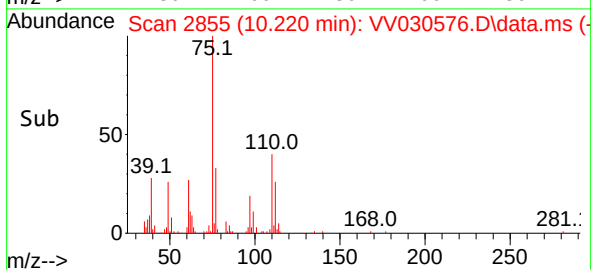
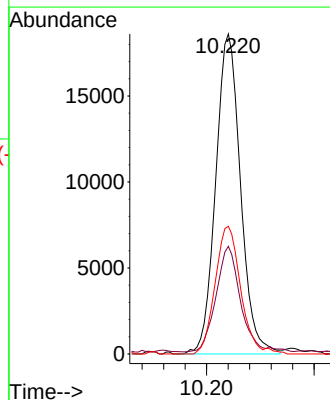
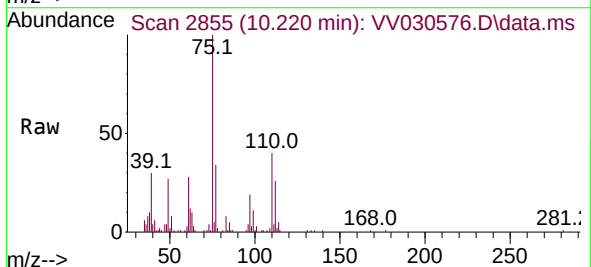
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

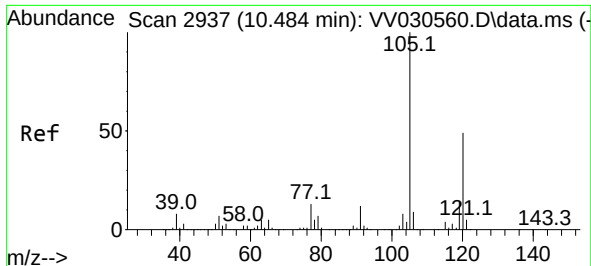
Tgt Ion:105 Resp: 235173
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7
77 16.0 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.814 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 75 Resp: 29835
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 41.1 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.350 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

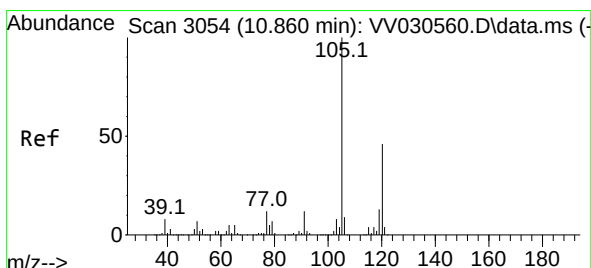
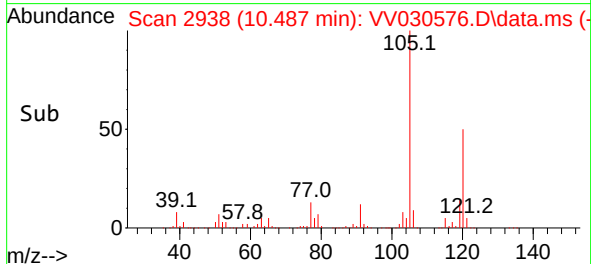
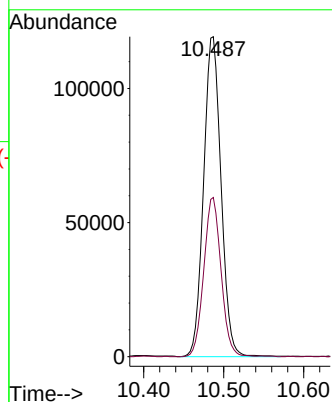
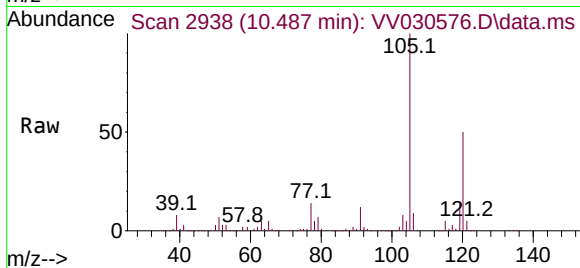
VSTD005335

Tgt Ion:105 Resp: 181440

Ion Ratio Lower Upper

105 100

120 49.2 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.427 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030576.D

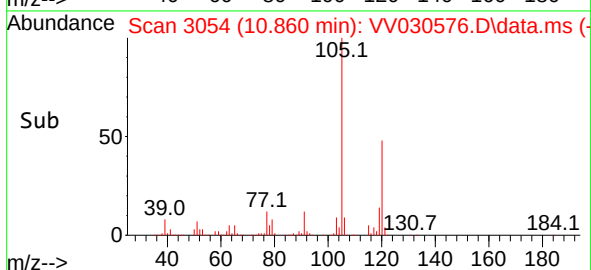
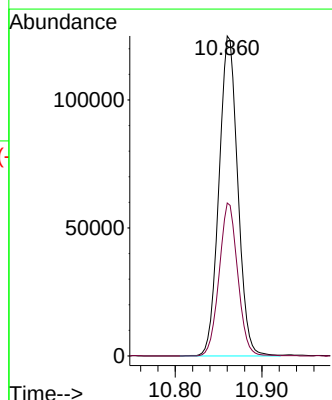
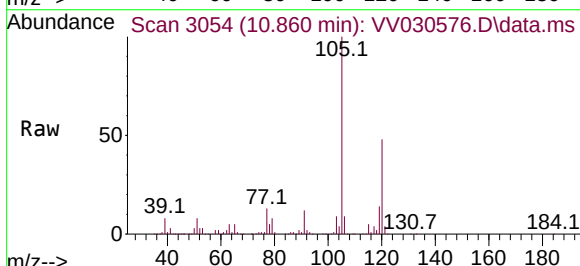
Acq: 14 Apr 2023 16:28

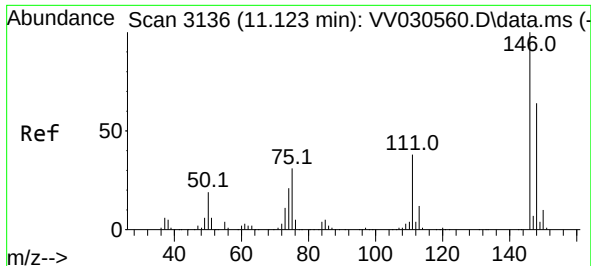
Tgt Ion:105 Resp: 188197

Ion Ratio Lower Upper

105 100

120 47.2 36.8 55.2

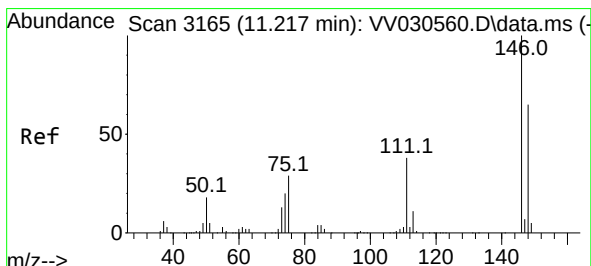
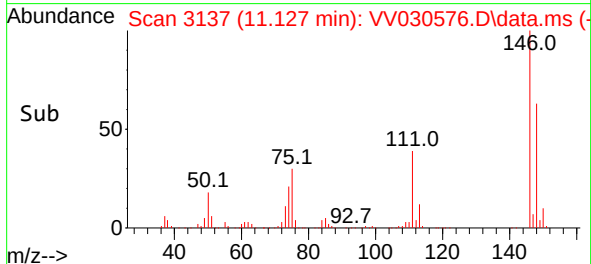
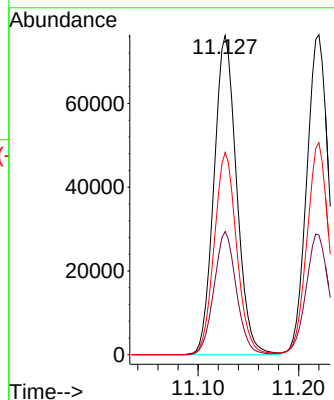
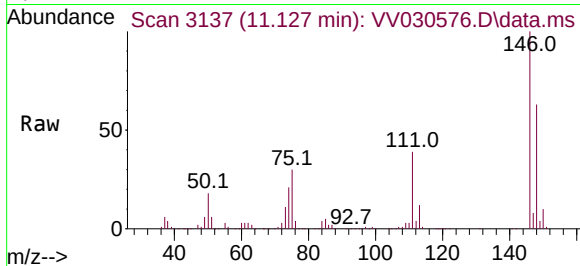




#64
1,3-Dichlorobenzene
Concen: 4.680 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

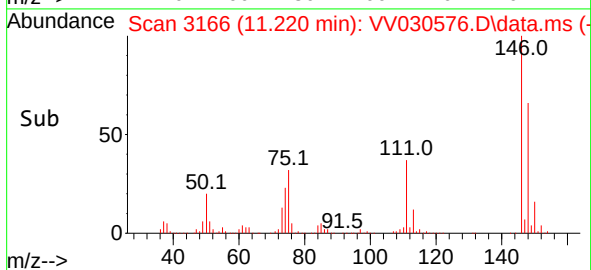
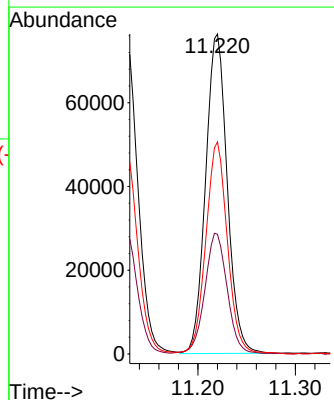
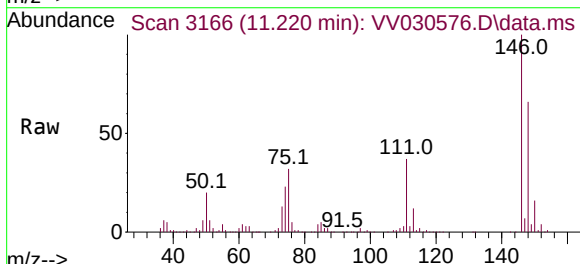
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

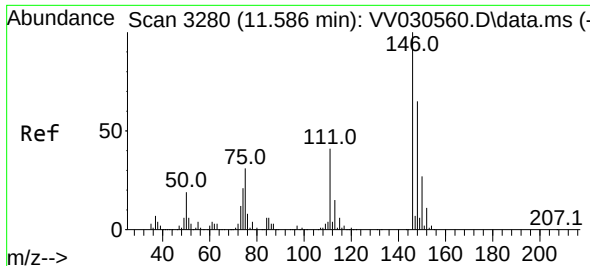
Tgt Ion:146 Resp: 119311
Ion Ratio Lower Upper
146 100
111 38.6 27.0 50.2
148 63.4 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.582 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:146 Resp: 117665
Ion Ratio Lower Upper
146 100
111 37.4 26.0 48.4
148 66.2 45.2 84.0

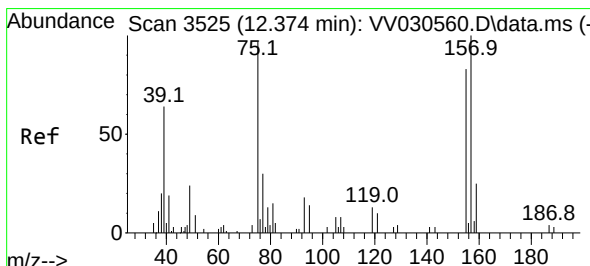
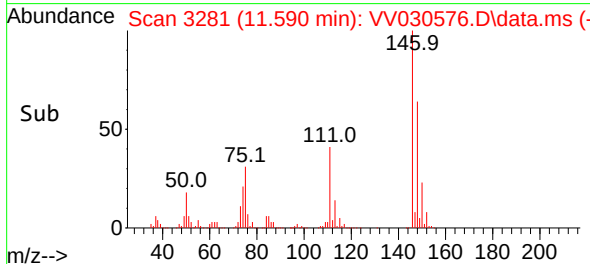
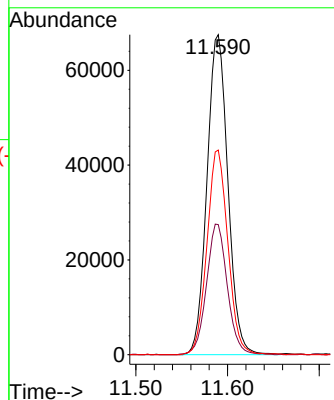
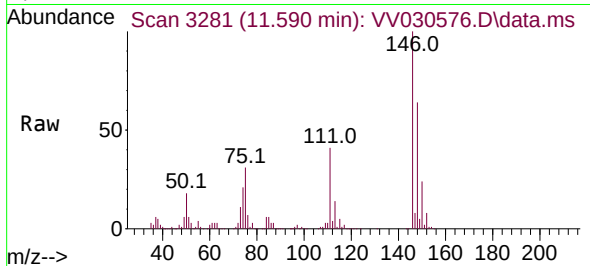




#67
1,2-Dichlorobenzene
Concen: 4.656 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

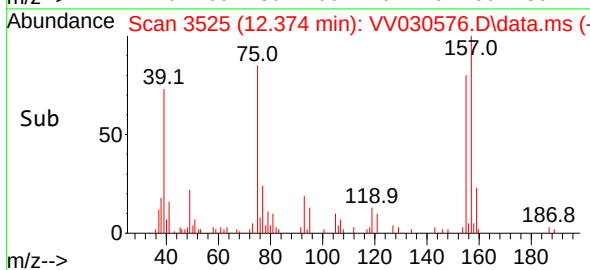
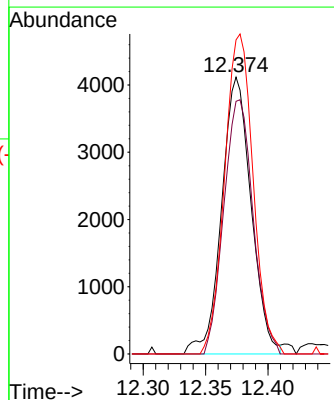
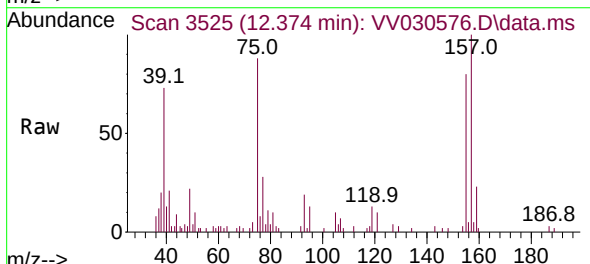
Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

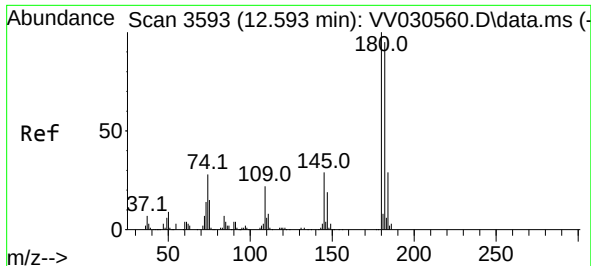
Tgt Ion:146 Resp: 106944
Ion Ratio Lower Upper
146 100
111 40.7 33.1 49.7
148 63.9 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.402 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion: 75 Resp: 6785
Ion Ratio Lower Upper
75 100
155 91.3 64.6 96.8
157 113.5 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.409 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005335

Tgt Ion:180 Resp: 86534

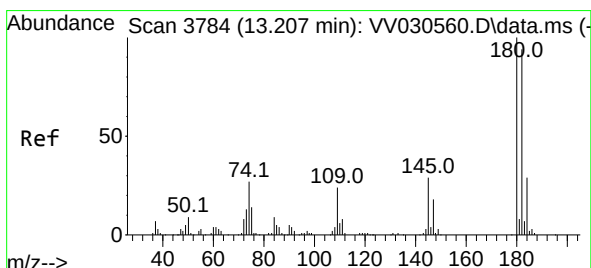
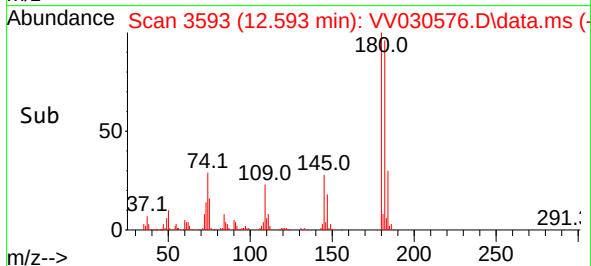
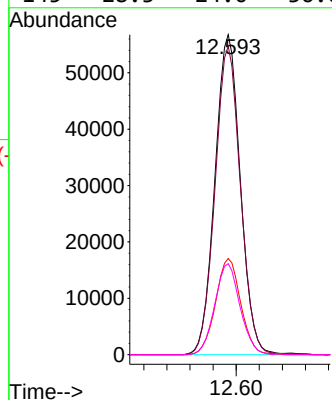
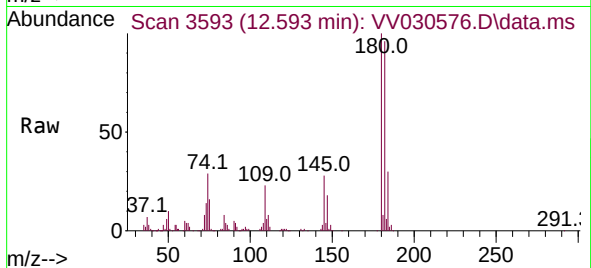
Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

184 29.9 24.0 36.0

145 28.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.498 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030576.D

Acq: 14 Apr 2023 16:28

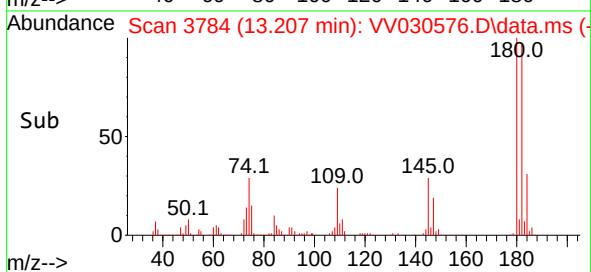
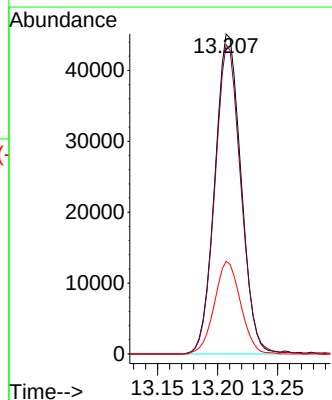
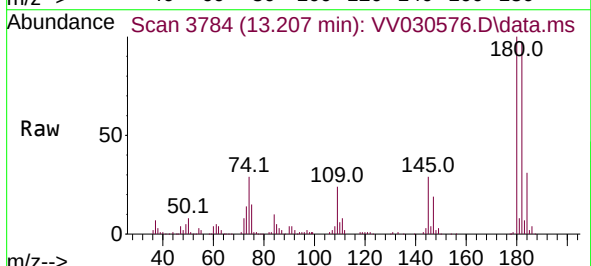
Tgt Ion:180 Resp: 68170

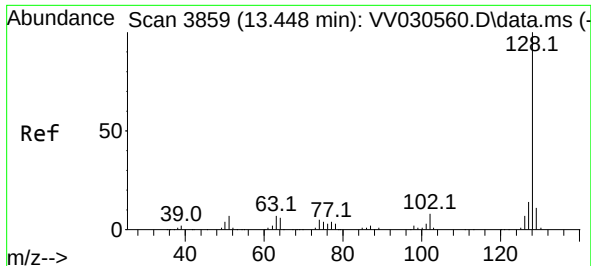
Ion Ratio Lower Upper

180 100

182 96.6 75.3 112.9

145 29.1 23.8 35.6



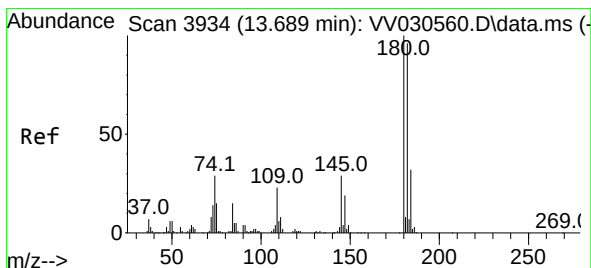
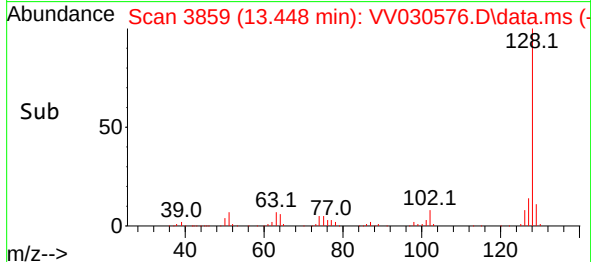
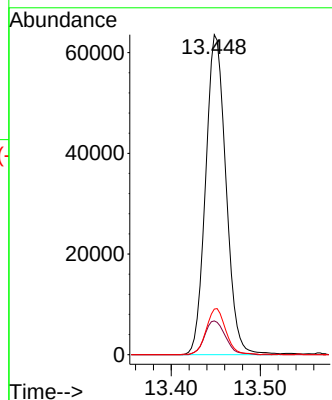
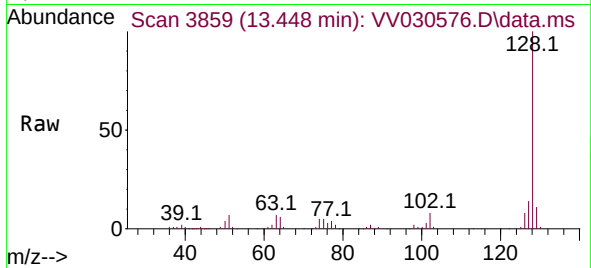


#71
Naphthalene

Concen: 4.649 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD005335

Tgt Ion:128 Resp: 100616
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.9 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.702 ug/L
RT: 13.693 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030576.D
Acq: 14 Apr 2023 16:28

Tgt Ion:180 Resp: 61732
Ion Ratio Lower Upper
180 100
182 96.7 76.6 115.0
145 30.9 25.0 37.4

