

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054157.D
 Acq On : 18 May 2023 10:08
 Operator : JC/MD
 Sample : VSTD00126
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001026

Quant Time: May 19 01:40:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:39:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	193809	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	185449	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	98767	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	10242	0.899	ug/L	0.00
7) Chloroethane-d5	1.912	69	7482	0.787	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	4481	0.928	ug/L	0.00
20) 2-Butanone-d5	4.642	46	16625	7.885	ug/L	0.00
24) Chloroform-d	5.060	84	18889	0.870	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	8723	0.872	ug/L	0.00
32) Benzene-d6	5.726	84	34816	0.824	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	10599	0.831	ug/L	0.00
41) Toluene-d8	7.893	98	32901	0.831	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	3975	0.781	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	11132	6.409	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	7086	0.691	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	10998	0.712	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	13869	0.965	ug/L	94
3) Chloromethane	1.520	50	12975	0.936	ug/L	96
5) Vinyl chloride	1.604	62	13426	0.853	ug/L	93
6) Bromomethane	1.858	94	8343	0.826	ug/L	100
8) Chloroethane	1.935	64	8271	0.839	ug/L	92
9) Trichlorofluoromethane	2.138	101	20962	0.884	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	11453	0.827	ug/L	90
12) 1,1-Dichloroethene	2.578	96	10504	0.863	ug/L	89
13) Acetone	2.652	43	23798	12.401	ug/L	96
14) Carbon disulfide	2.790	76	27395	0.838	ug/L	98
15) Methyl Acetate	2.957	43	4080	1.029	ug/L	92
16) Methylene chloride	3.044	84	17383	1.050	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	26606	0.978	ug/L #	88
18) trans-1,2-Dichloroethene	3.350	96	11003	0.891	ug/L	98
19) 1,1-Dichloroethane	3.864	63	22886	1.010	ug/L	97
21) 2-Butanone	4.723	43	29138	11.078	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	12912	0.920	ug/L	88
23) Bromochloromethane	4.973	128	5676	0.915	ug/L	94
25) Chloroform	5.083	83	24576	1.000	ug/L	95
27) 1,2-Dichloroethane	5.790	62	13961	0.985	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	21759	1.019	ug/L	97
30) Cyclohexane	5.382	56	16998	0.908	ug/L	94
31) Carbon tetrachloride	5.520	117	18057	0.975	ug/L	97
33) Benzene	5.771	78	47897	0.914	ug/L	100
34) Trichloroethene	6.536	95	12631	0.888	ug/L	97
35) Methylcyclohexane	6.758	83	17490	0.810	ug/L	96
37) 1,2-Dichloropropane	6.787	63	12290	0.934	ug/L #	96
38) Bromodichloromethane	7.102	83	16098	0.975	ug/L #	96
39) cis-1,3-Dichloropropene	7.604	75	17189	0.861	ug/L	94
40) 4-Methyl-2-pentanone	7.787	43	60110	9.719	ug/L	95
42) Toluene	7.967	91	49438	0.889	ug/L	95
44) trans-1,3-Dichloropropene	8.208	75	14741	0.912	ug/L	95

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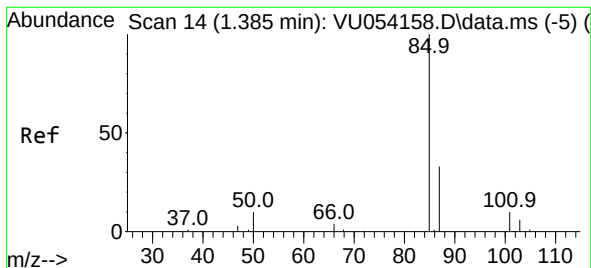
Instrument :
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Quant Time: May 19 01:40:36 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.394	97	8905	0.912	ug/L	95
47) Tetrachloroethene	8.549	164	10261	0.901	ug/L	93
48) 2-Hexanone	8.684	43	43234	9.157	ug/L	97
49) Dibromochloromethane	8.806	129	9295	0.887	ug/L	96
50) 1,2-Dibromoethane	8.922	107	8205	0.906	ug/L #	90
51) Chlorobenzene	9.443	112	33697	0.889	ug/L	95
52) Ethylbenzene	9.568	91	52593	0.854	ug/L	98
53) m,p-Xylene	9.690	106	19105	0.811	ug/L	98
54) o-Xylene	10.095	106	20124	0.884	ug/L	89
55) Styrene	10.111	104	31001	0.830	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.777	83	10957	0.930	ug/L	99
59) Bromoform	10.288	173	5641	0.971	ug/L	93
60) Isopropylbenzene	10.481	105	52011	0.868	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	7334	0.948	ug/L	96
62) 1,3,5-Trimethylbenzene	11.082	105	40190	0.822	ug/L	97
63) 1,2,4-Trimethylbenzene	11.462	105	39136	0.791	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	27787	0.927	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	27196	0.898	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	24474	0.879	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	1426	0.880	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	19589	0.899	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	15265	0.770	ug/L	99
71) Naphthalene	14.086	128	19844	0.581	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	12935	0.730	ug/L	94

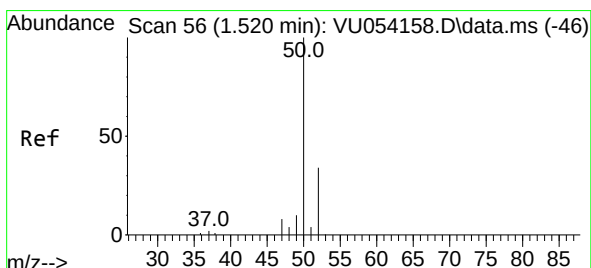
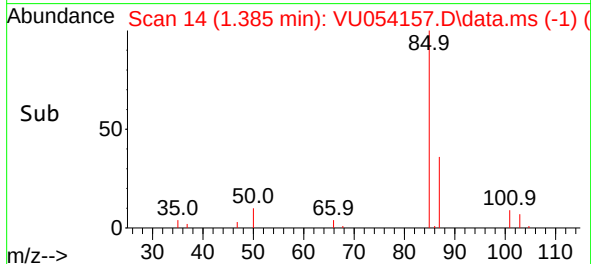
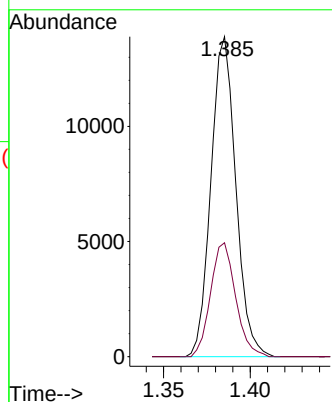
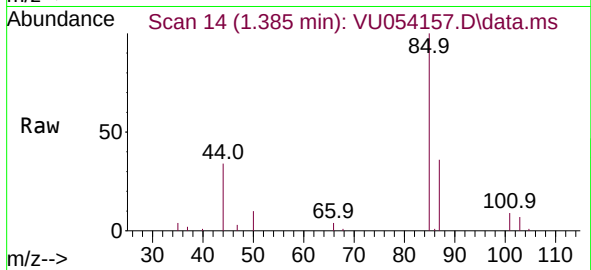
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.965 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU054157.D
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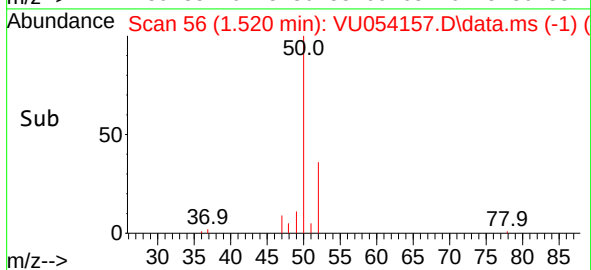
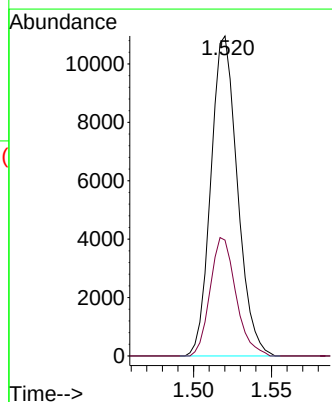
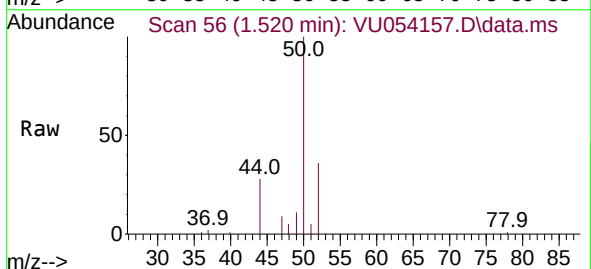
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

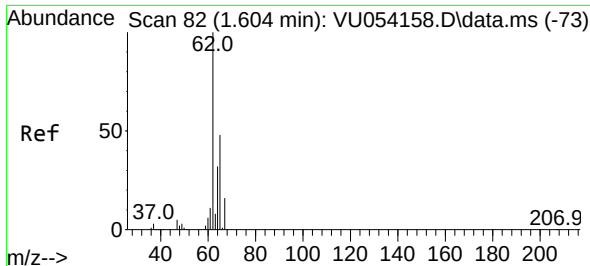
Tgt Ion: 85 Resp: 13869
Ion Ratio Lower Upper
85 100
87 35.9 26.1 39.1



#3
Chloromethane
Concen: 0.936 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 50 Resp: 12975
Ion Ratio Lower Upper
50 100
52 36.2 23.7 44.1

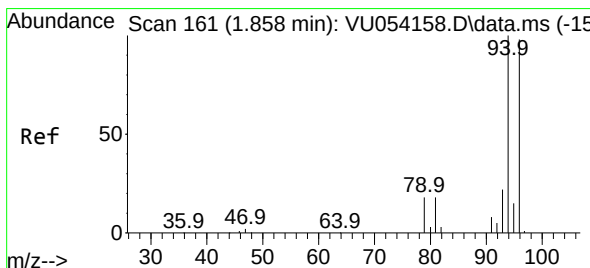
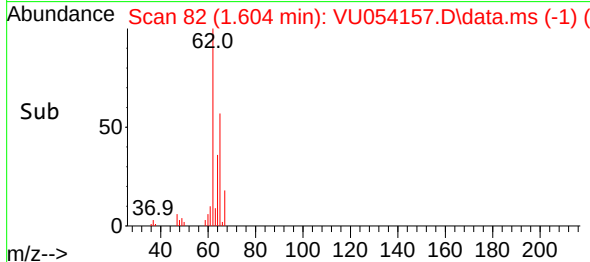
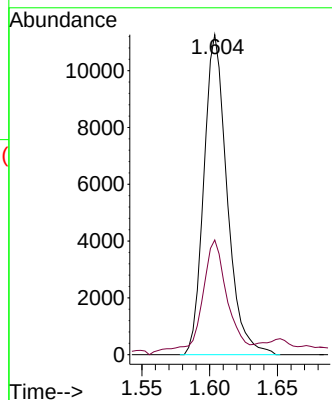
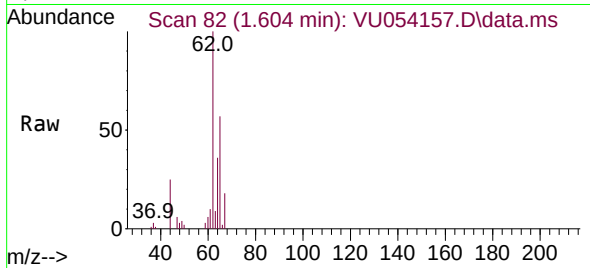




#5
 Vinyl chloride
 Concen: 0.853 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

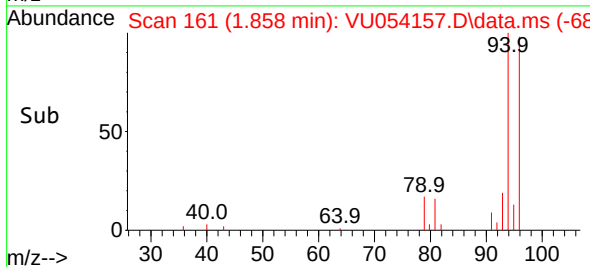
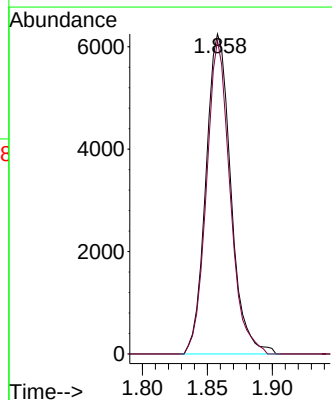
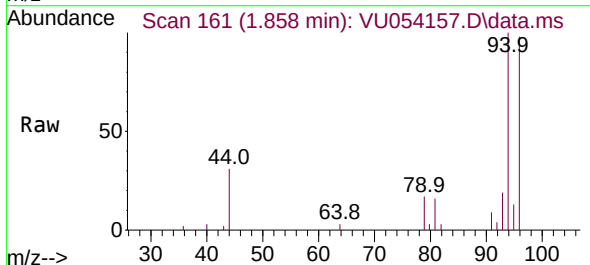
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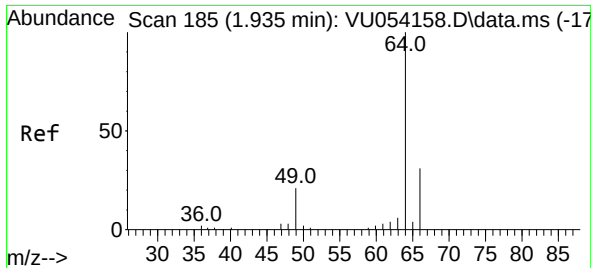
Tgt Ion: 62 Resp: 13426
 Ion Ratio Lower Upper
 62 100
 64 35.9 22.4 41.6



#6
 Bromomethane
 Concen: 0.826 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

Tgt Ion: 94 Resp: 8343
 Ion Ratio Lower Upper
 94 100
 96 98.0 68.7 127.5

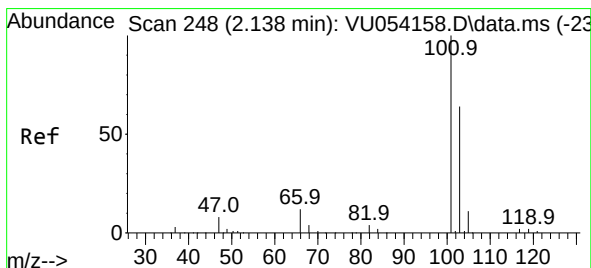
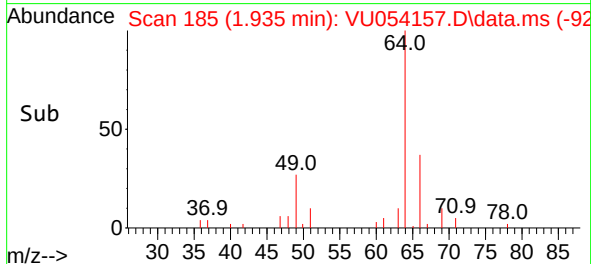
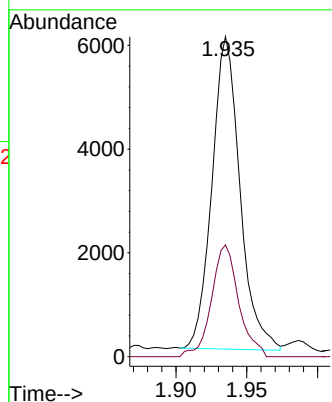
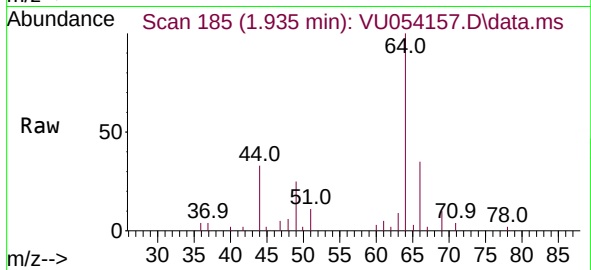




#8
Chloroethane
Concen: 0.839 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

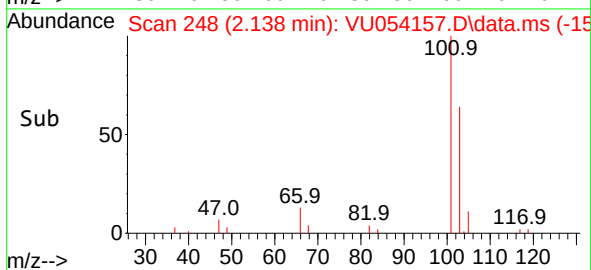
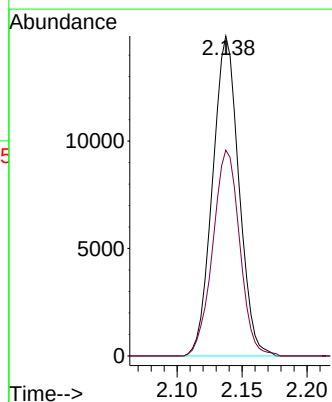
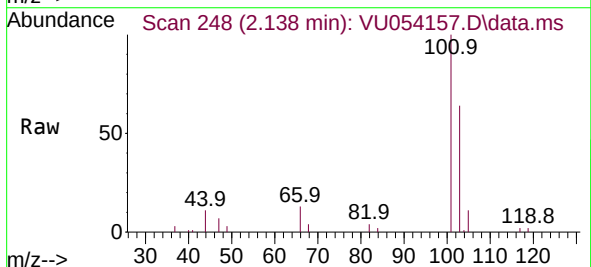
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VSTD001026

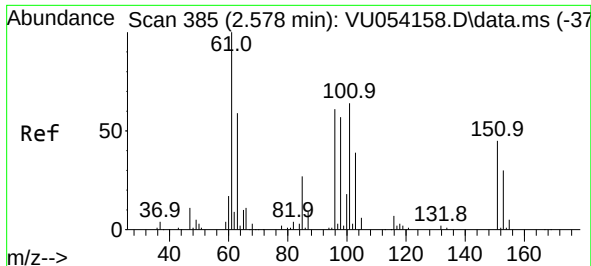
Tgt Ion: 64 Resp: 8271
Ion Ratio Lower Upper
64 100
66 34.9 21.6 40.0



#9
Trichlorofluoromethane
Concen: 0.884 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 101 Resp: 20962
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.6

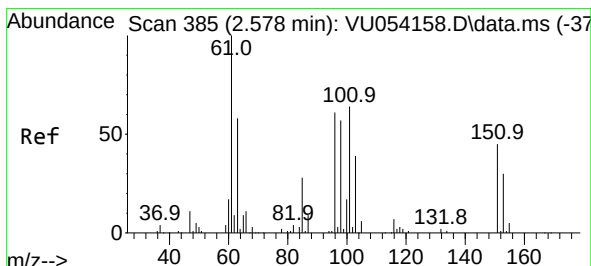
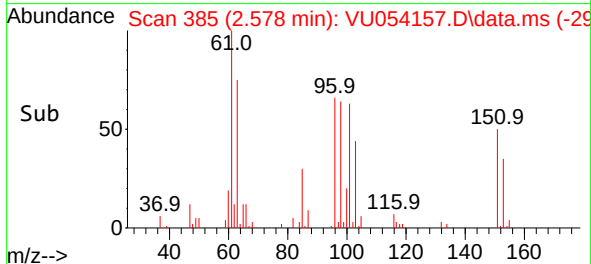
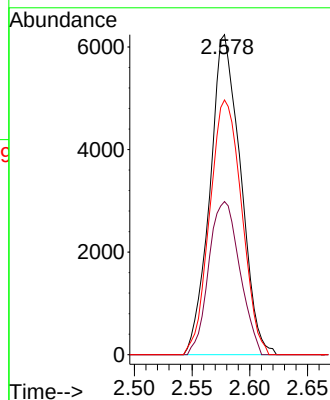
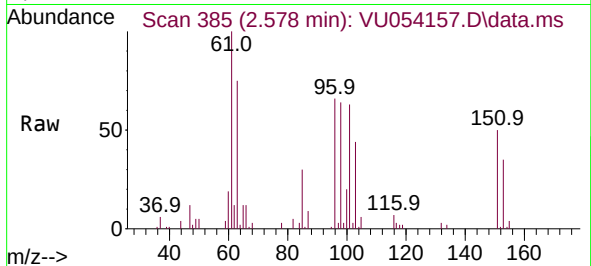




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.827 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

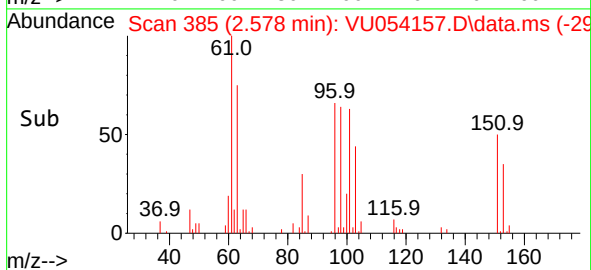
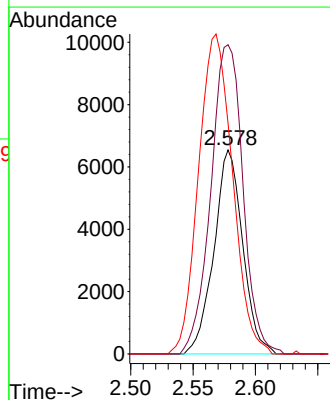
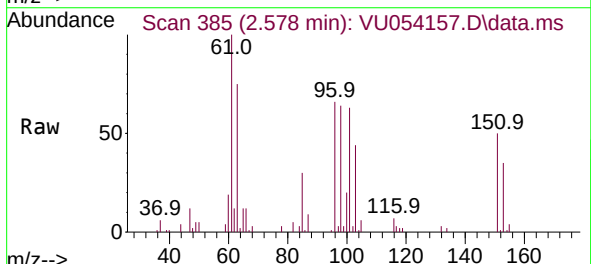
Instrument :
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 ClientSampleId :
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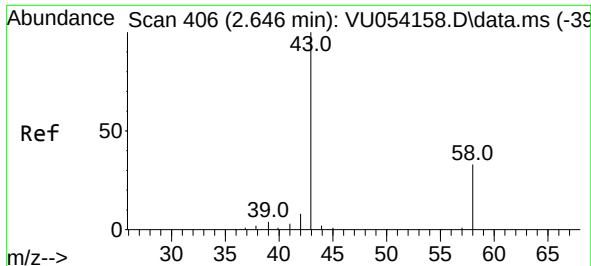
Tgt Ion:101 Resp: 11453
 Ion Ratio Lower Upper
 101 100
 85 48.5 35.0 52.4
 151 83.1 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 0.863 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

Tgt Ion: 96 Resp: 10504
 Ion Ratio Lower Upper
 96 100
 61 151.7 114.7 212.9
 63 113.2 68.6 127.4





#13

Acetone

Concen: 12.401 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.006 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

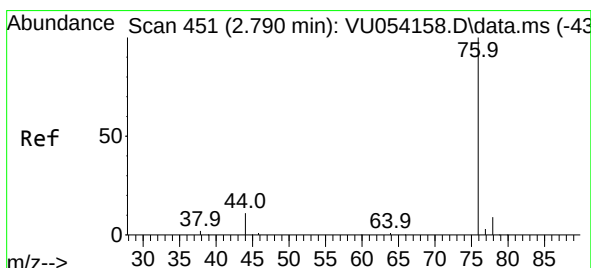
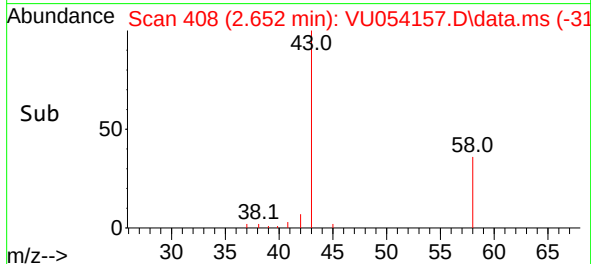
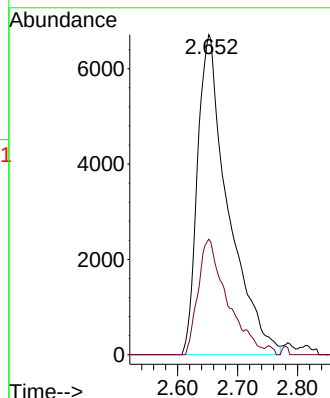
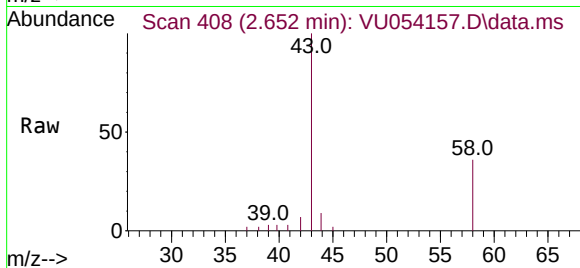
VSTD001026

Tgt Ion: 43 Resp: 23798

Ion Ratio Lower Upper

43 100

58 34.4 0.0 73.2



#14

Carbon disulfide

Concen: 0.838 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054157.D

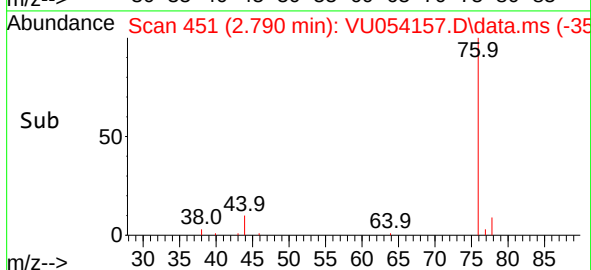
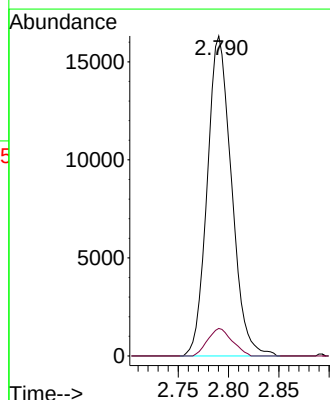
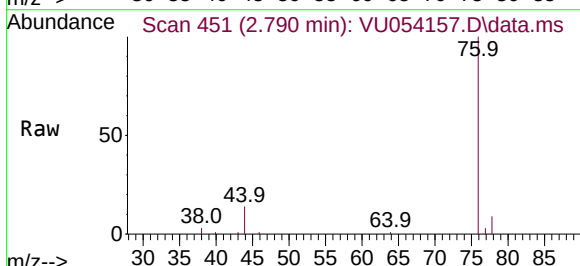
Acq: 18 May 2023 10:08

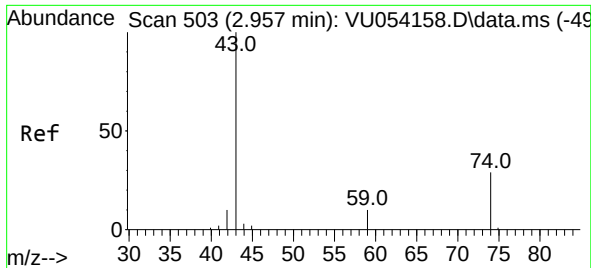
Tgt Ion: 76 Resp: 27395

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

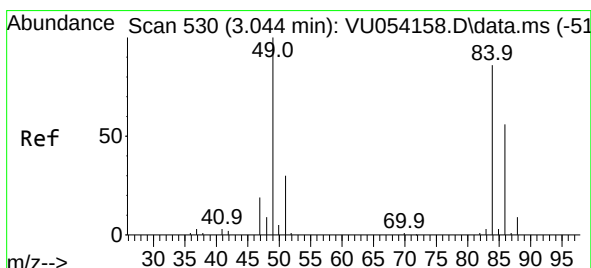
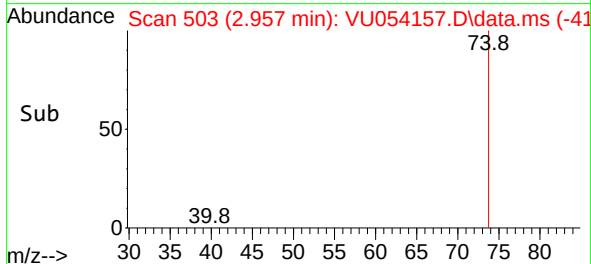
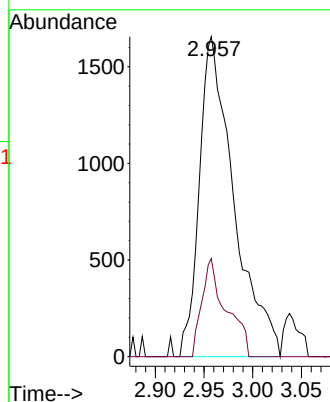
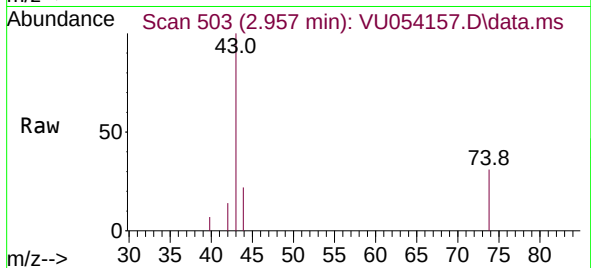




#15
Methyl Acetate
Concen: 1.029 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

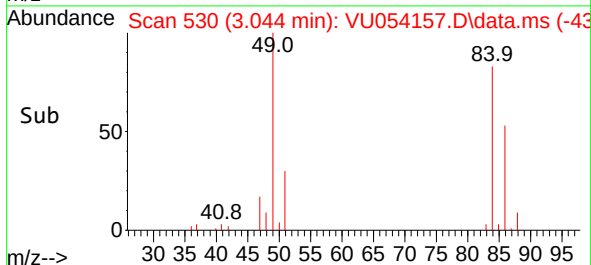
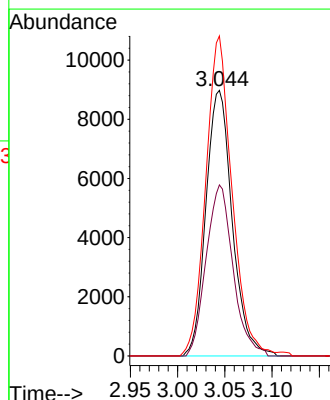
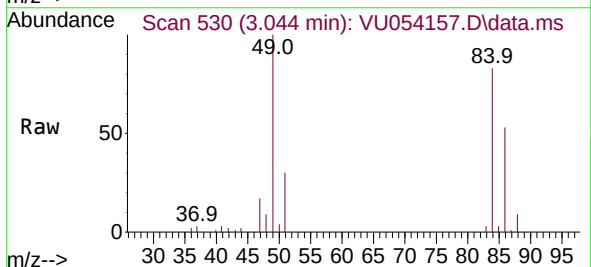
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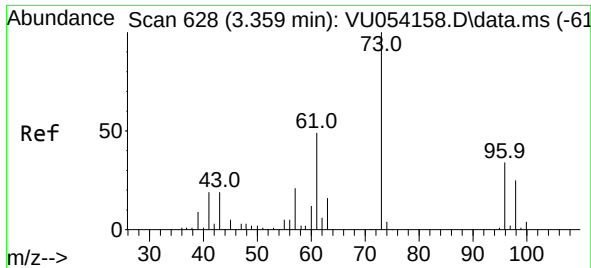
Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
74 21.6 20.3 30.5



#16
Methylene chloride
Concen: 1.050 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 84 Resp: 17383
Ion Ratio Lower Upper
84 100
86 64.4 45.5 84.5
49 120.5 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 0.978 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD001026

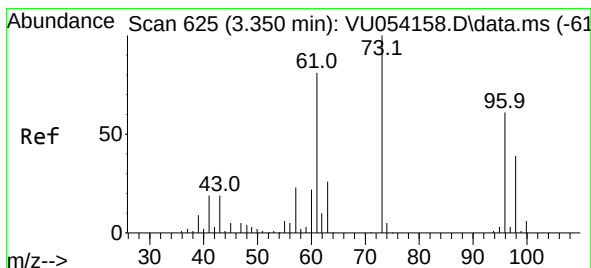
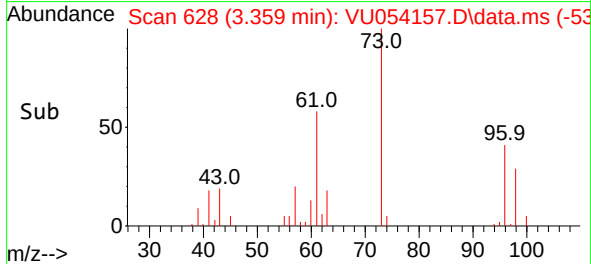
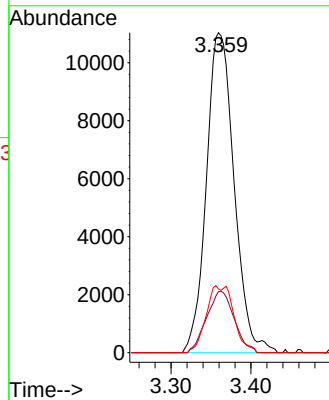
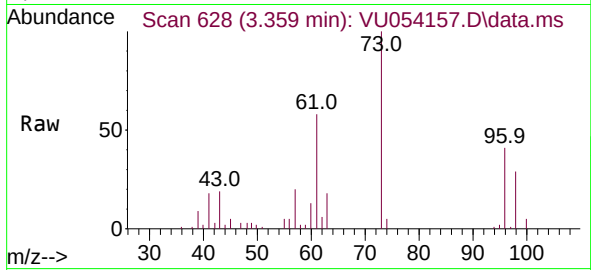
Tgt Ion: 73 Resp: 26606

Ion Ratio Lower Upper

73 100

43 19.1 14.6 22.0

57 11.6 17.1 25.7#



#18

trans-1,2-Dichloroethene

Concen: 0.891 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

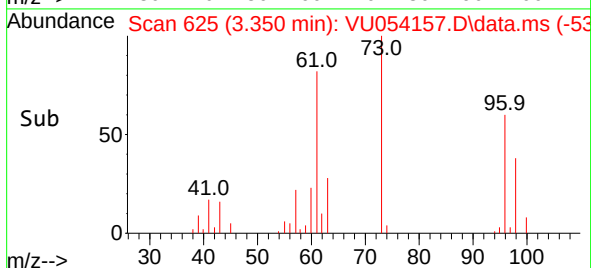
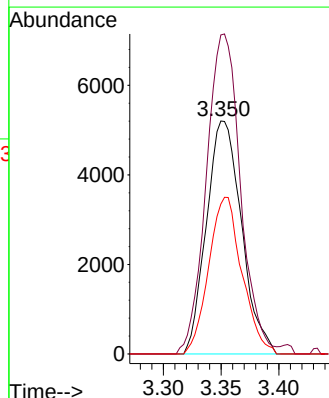
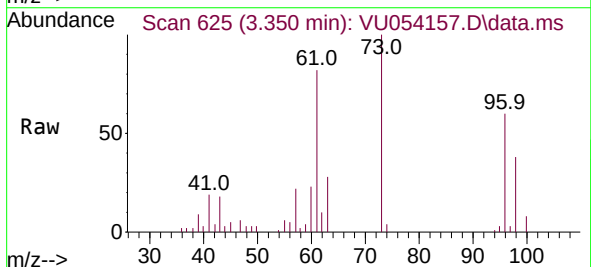
Tgt Ion: 96 Resp: 11003

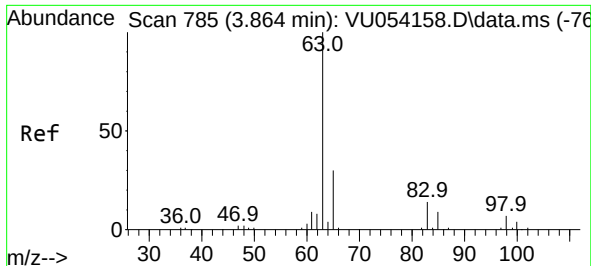
Ion Ratio Lower Upper

96 100

61 136.9 94.1 174.8

98 64.4 45.3 84.1

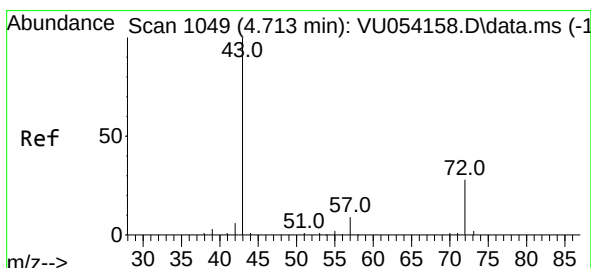
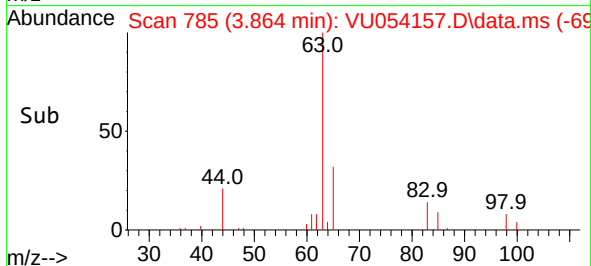
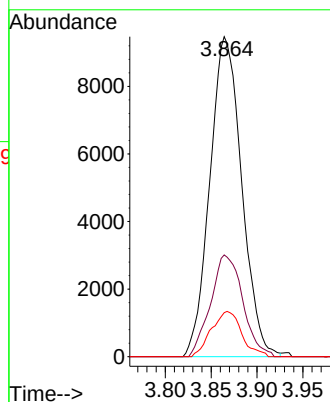
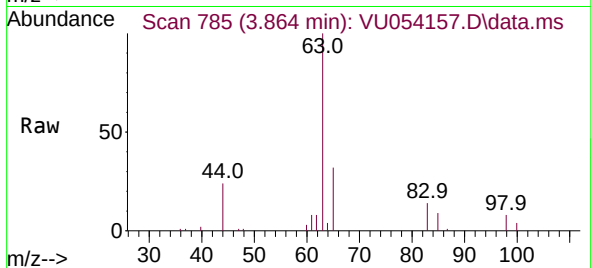




#19
1,1-Dichloroethane
Concen: 1.010 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

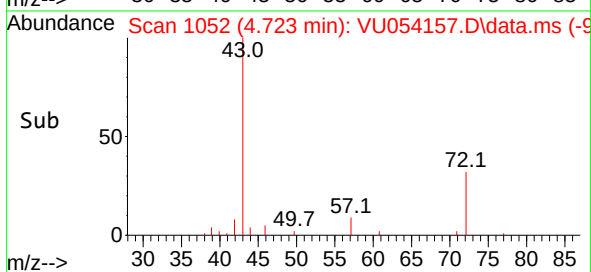
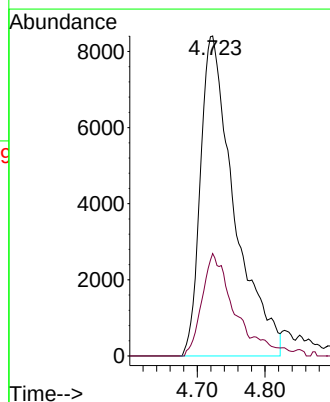
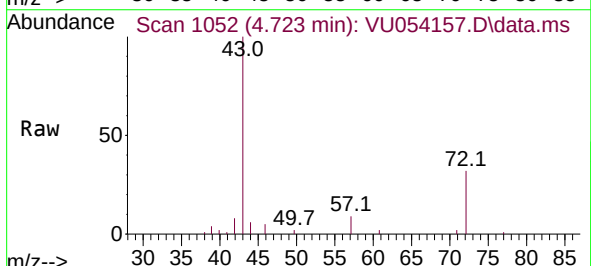
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

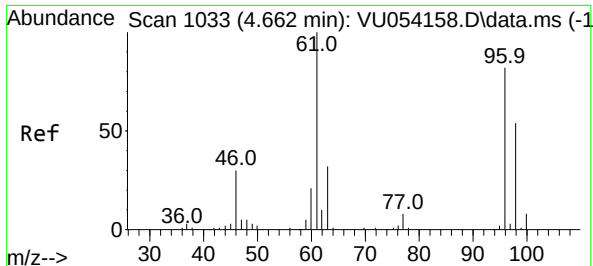
Tgt Ion:	63	Resp:	22886
Ion	Ratio	Lower	Upper
63	100		
65	31.8	20.7	38.5
83	13.8	10.1	18.7



#21
2-Butanone
Concen: 11.078 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion:	43	Resp:	29138
Ion	Ratio	Lower	Upper
43	100		
72	27.7	14.2	42.8





#22

cis-1,2-Dichloroethene

Concen: 0.920 ug/L

RT: 4.665 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD001026

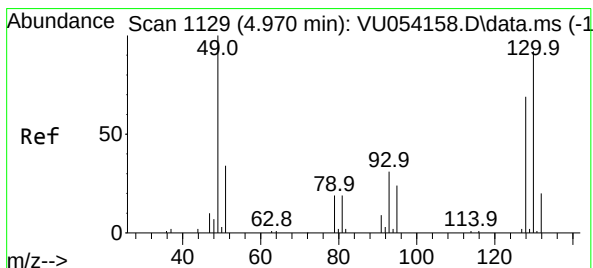
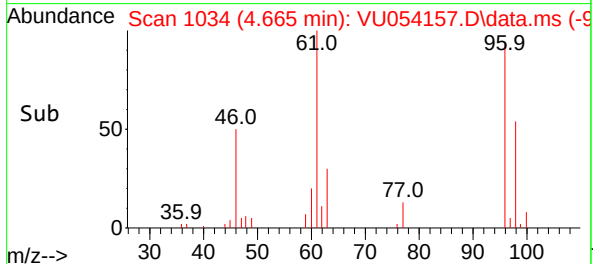
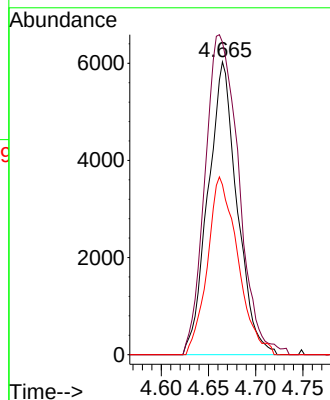
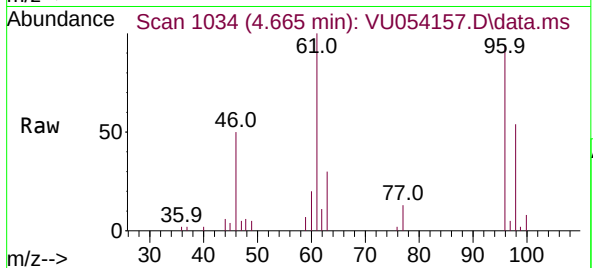
Tgt Ion: 96 Resp: 12912

Ion Ratio Lower Upper

96 100

61 106.7 85.0 157.8

98 58.0 45.8 85.0



#23

Bromochloromethane

Concen: 0.915 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Tgt Ion:128 Resp: 5676

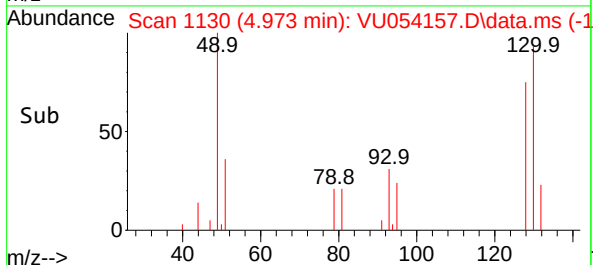
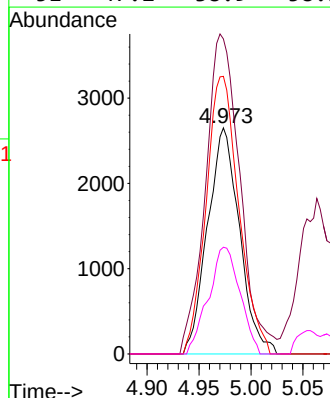
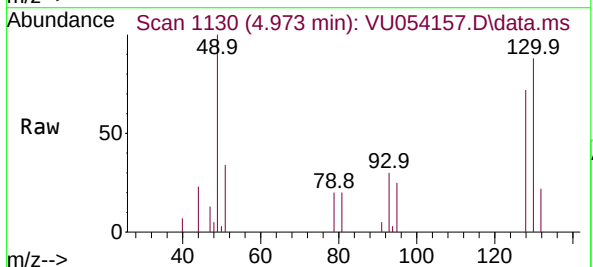
Ion Ratio Lower Upper

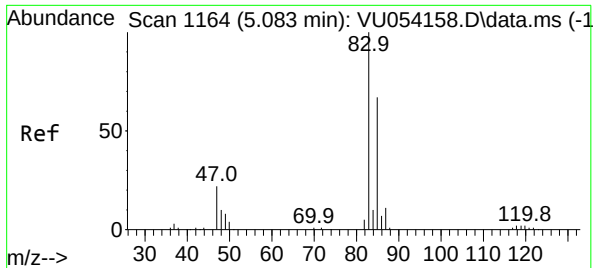
128 100

49 139.4 100.9 187.3

130 122.8 93.2 173.0

51 47.2 38.9 58.3





#25

Chloroform

Concen: 1.000 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

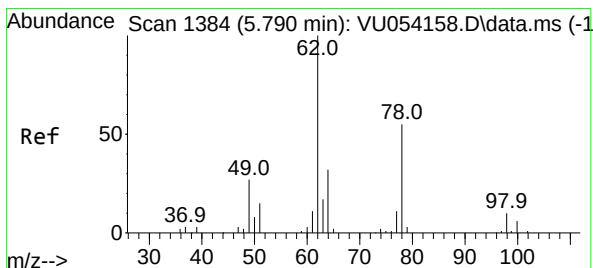
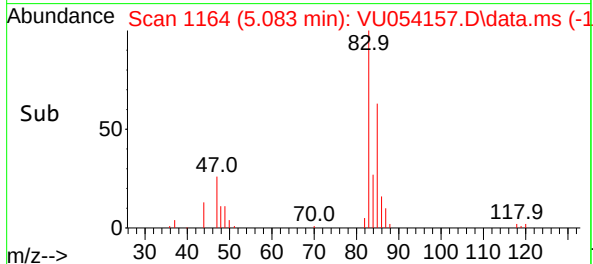
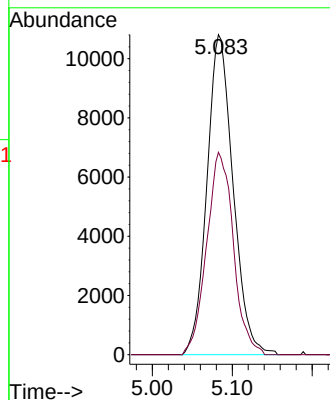
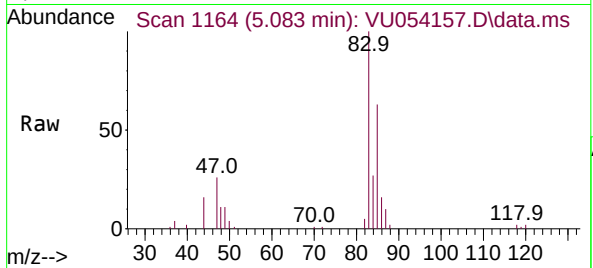
VSTD001026

Tgt Ion: 83 Resp: 24576

Ion Ratio Lower Upper

83 100

85 63.2 46.8 87.0



#27

1,2-Dichloroethane

Concen: 0.985 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU054157.D

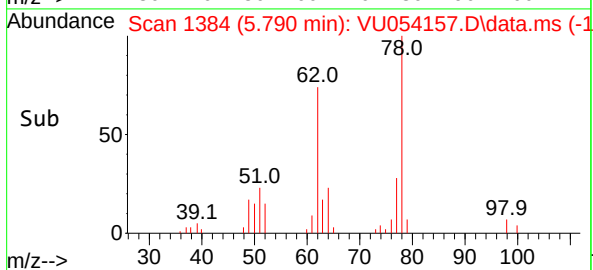
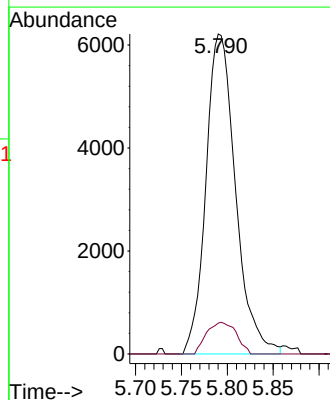
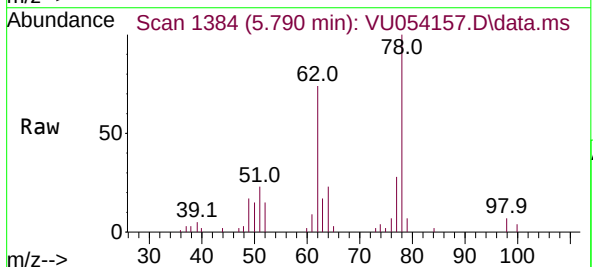
Acq: 18 May 2023 10:08

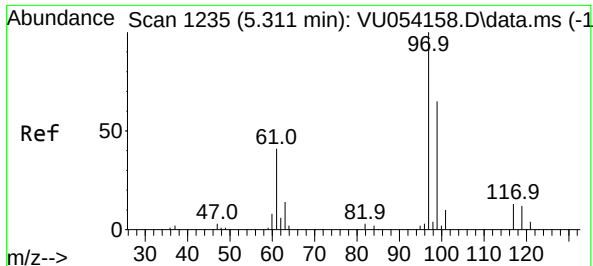
Tgt Ion: 62 Resp: 13961

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4

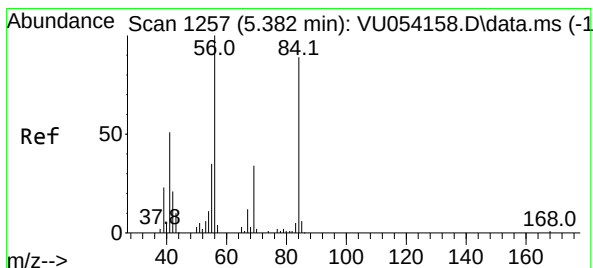
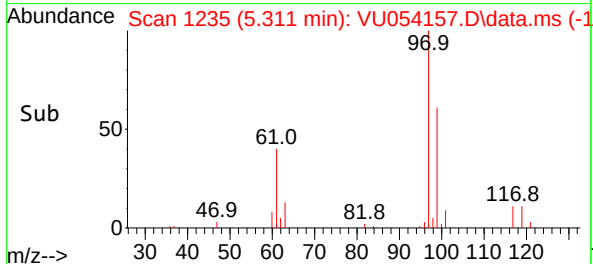
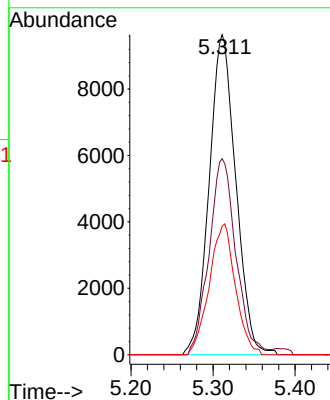
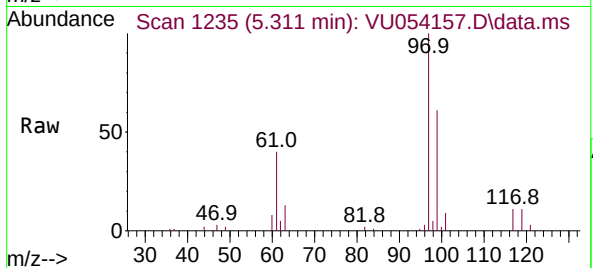




#29
1,1,1-Trichloroethane
Concen: 1.019 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

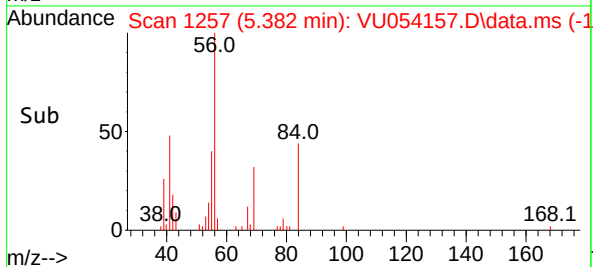
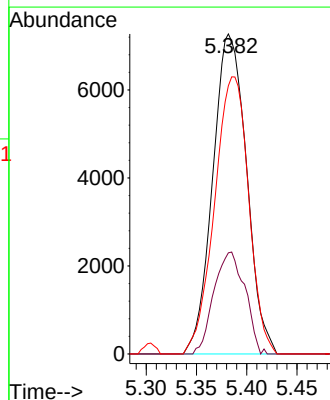
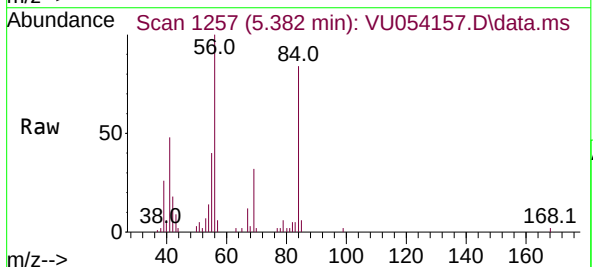
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

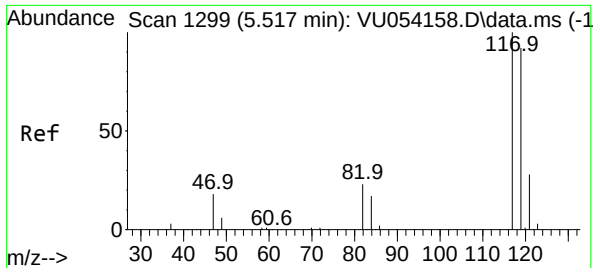
Tgt Ion:	97	Resp:	21759
Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.8	77.6
61	40.1	33.4	50.2



#30
Cyclohexane
Concen: 0.908 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion:	56	Resp:	16998
Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.2	39.4
84	87.4	74.2	111.4

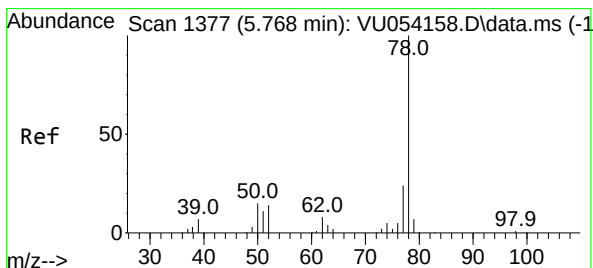
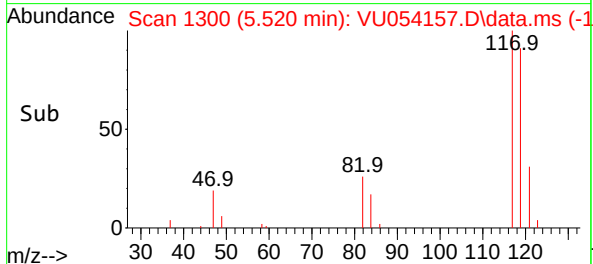
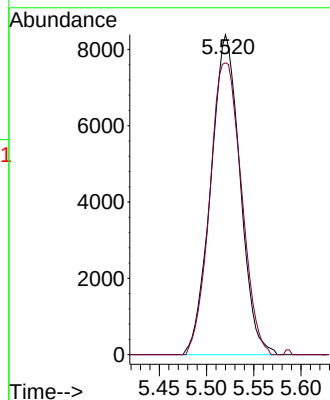
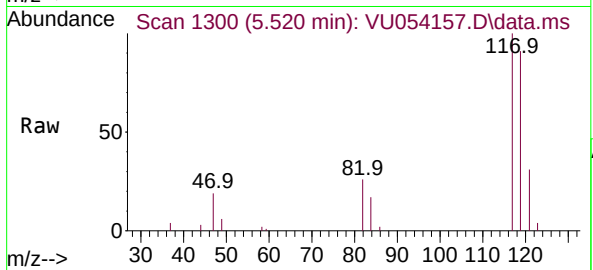




#31
Carbon tetrachloride
Concen: 0.975 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

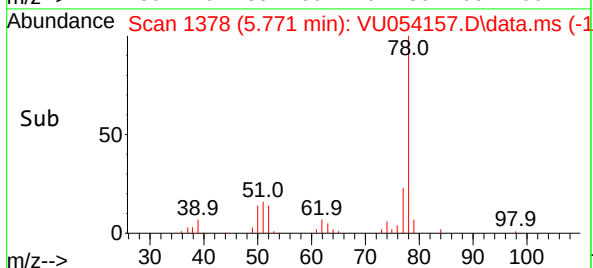
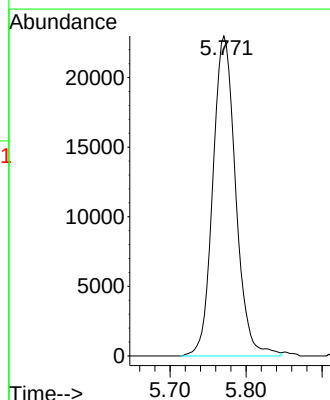
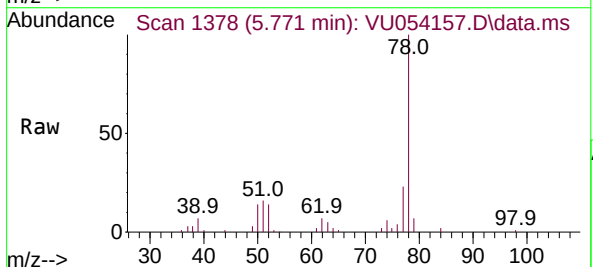
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

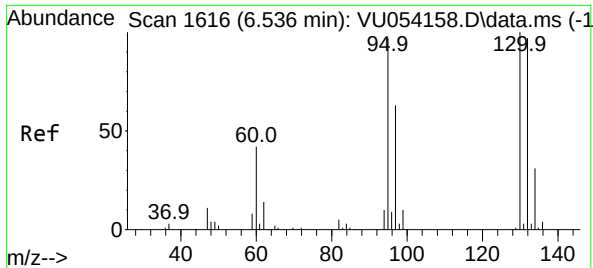
Tgt Ion:117 Resp: 18057
Ion Ratio Lower Upper
117 100
119 98.4 76.6 114.8



#33
Benzene
Concen: 0.914 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 78 Resp: 47897



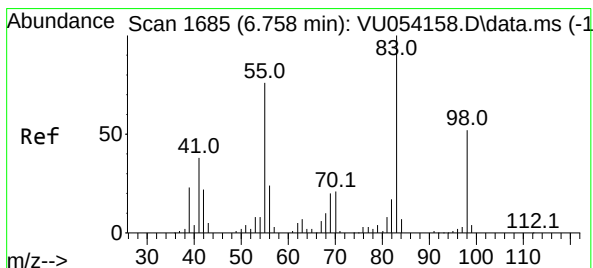
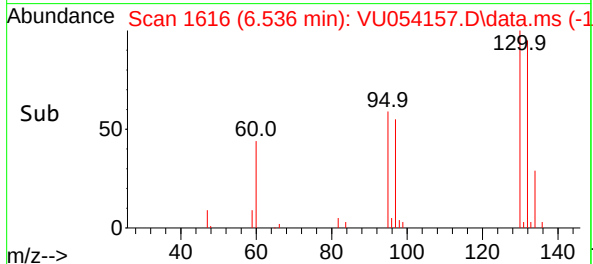
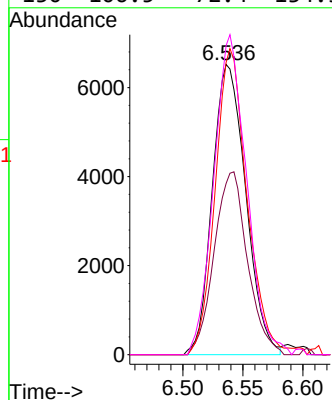
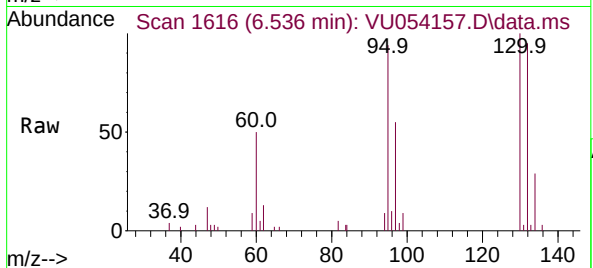


#34
Trichloroethene
Concen: 0.888 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

Tgt Ion: 95 Resp: 12631

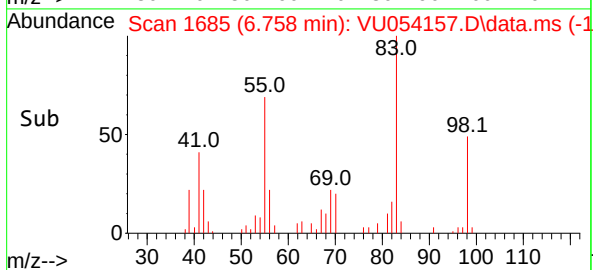
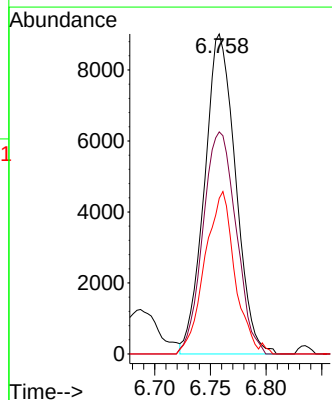
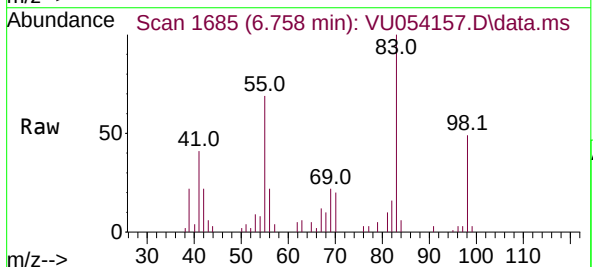
Ion	Ratio	Lower	Upper
95	100		
97	59.0	45.8	85.0
132	100.7	70.1	130.3
130	106.5	72.4	134.5

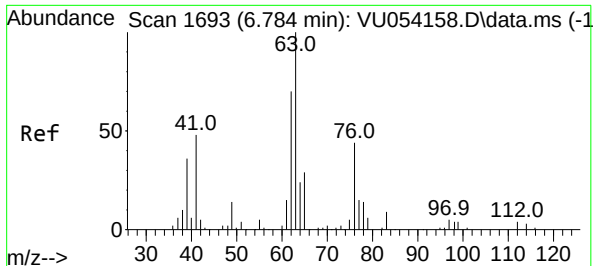


#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 83 Resp: 17490

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.6	92.4
98	48.7	41.3	61.9





#37

1,2-Dichloropropane

Concen: 0.934 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

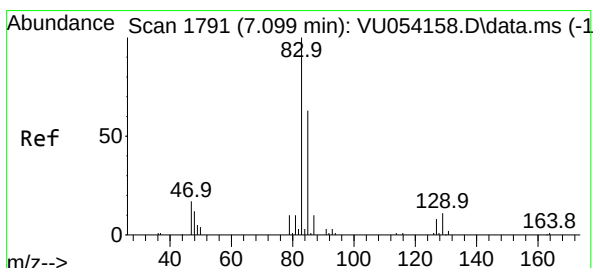
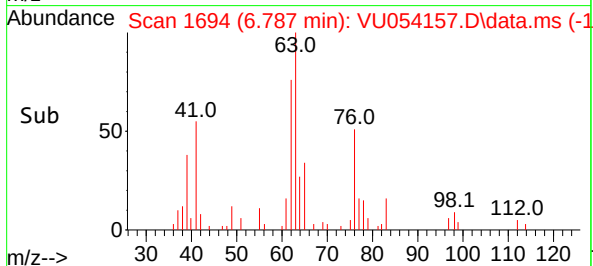
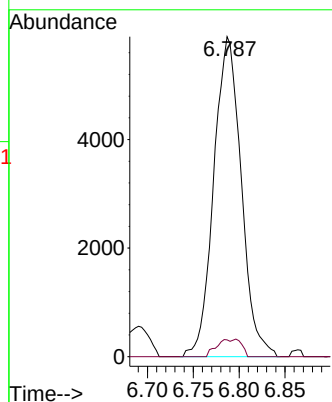
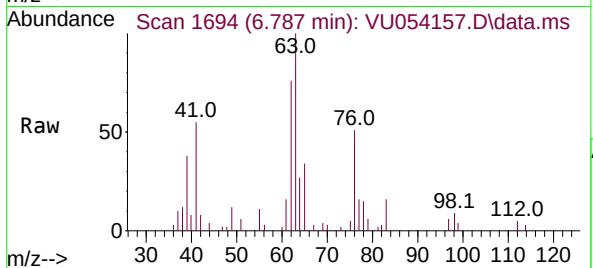
VSTD001026

Tgt Ion: 63 Resp: 12290

Ion Ratio Lower Upper

63 100

112 2.8 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.975 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

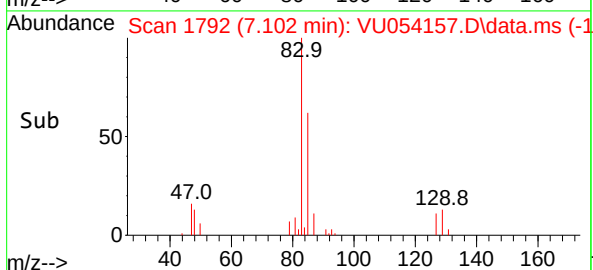
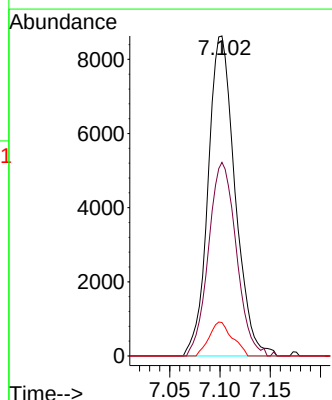
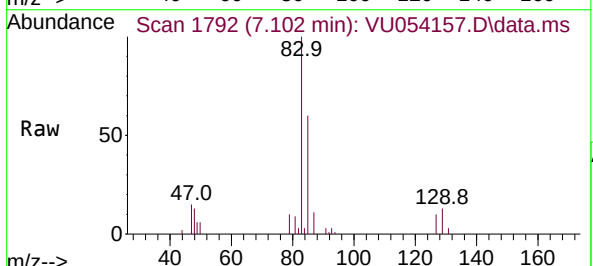
Tgt Ion: 83 Resp: 16098

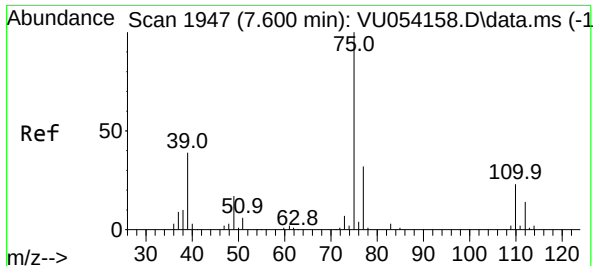
Ion Ratio Lower Upper

83 100

85 60.5 44.2 82.0

127 10.4 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 0.861 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

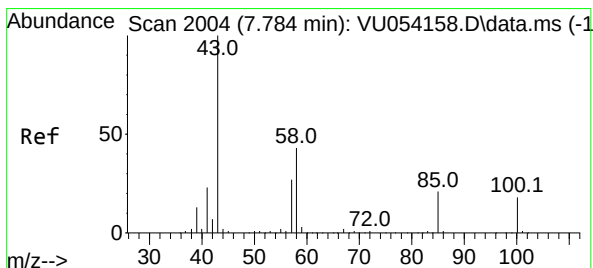
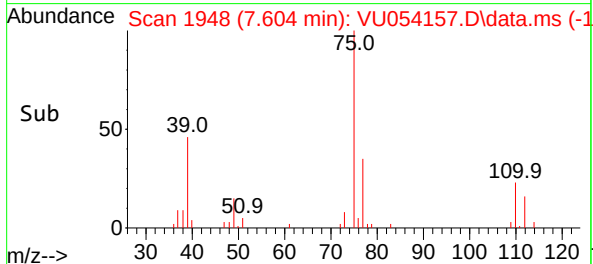
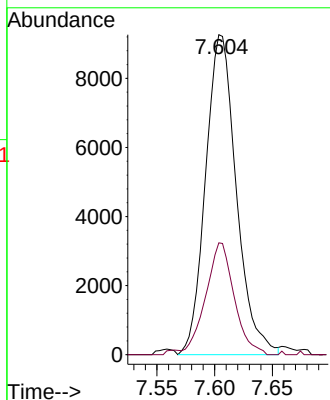
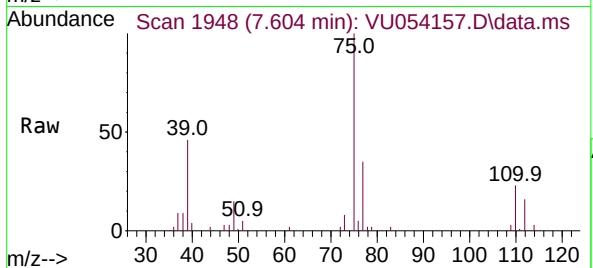
VSTD001026

Tgt Ion: 75 Resp: 17189

Ion Ratio Lower Upper

75 100

77 34.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 9.719 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

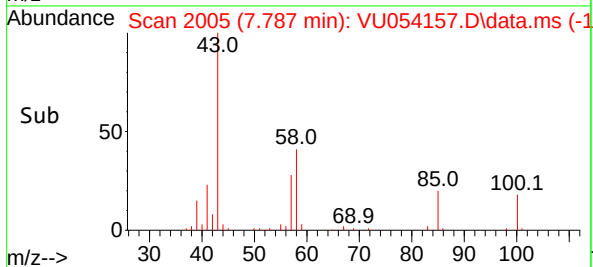
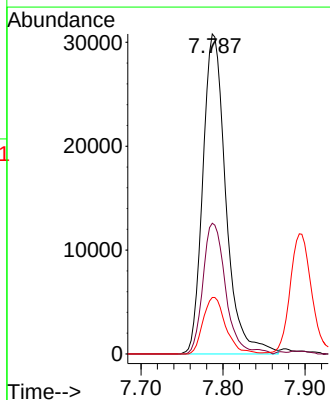
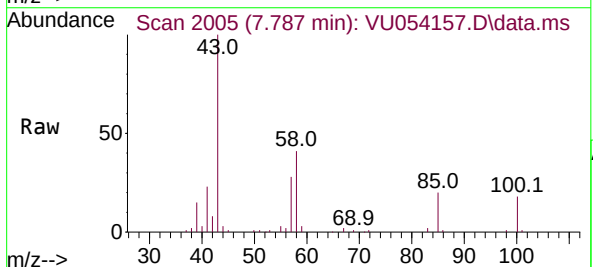
Tgt Ion: 43 Resp: 60110

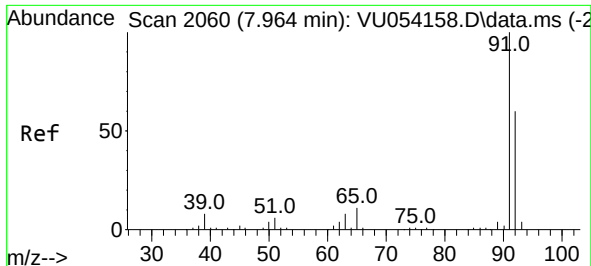
Ion Ratio Lower Upper

43 100

58 39.5 34.8 52.2

100 17.4 14.1 21.1





#42

Toluene

Concen: 0.889 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

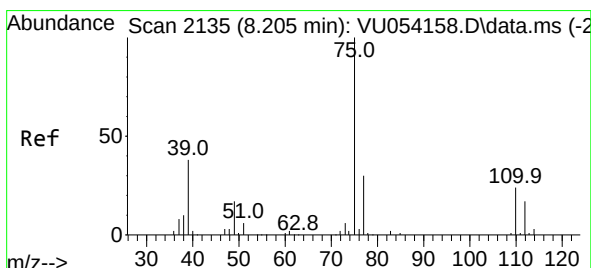
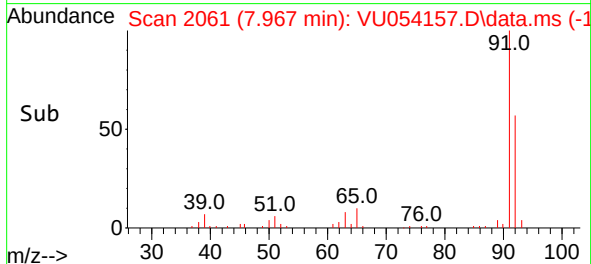
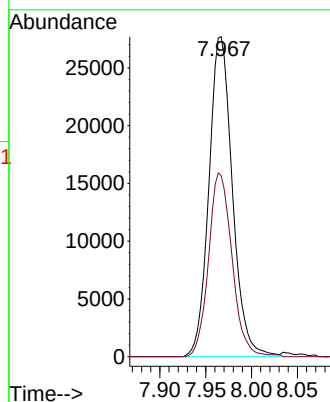
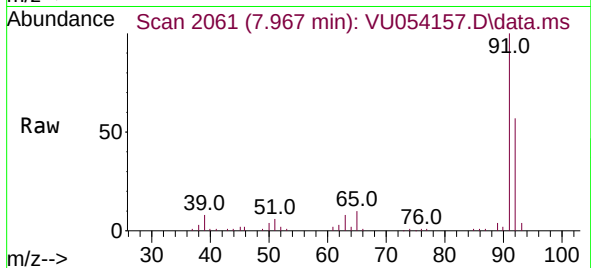
VSTD001026

Tgt Ion: 91 Resp: 49438

Ion Ratio Lower Upper

91 100

92 56.6 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 0.912 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU054157.D

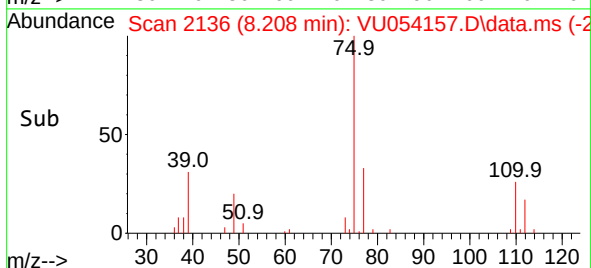
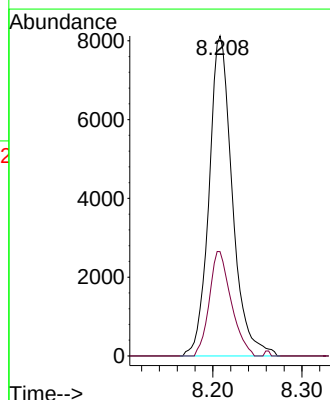
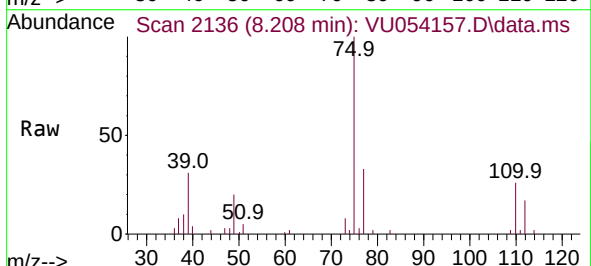
Acq: 18 May 2023 10:08

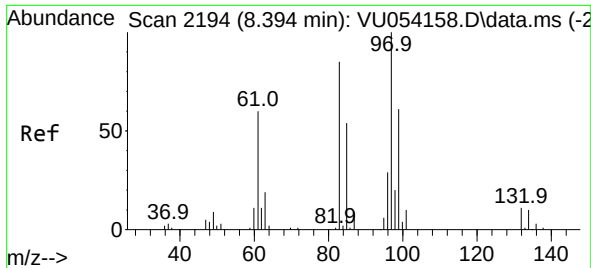
Tgt Ion: 75 Resp: 14741

Ion Ratio Lower Upper

75 100

77 32.6 20.8 38.6

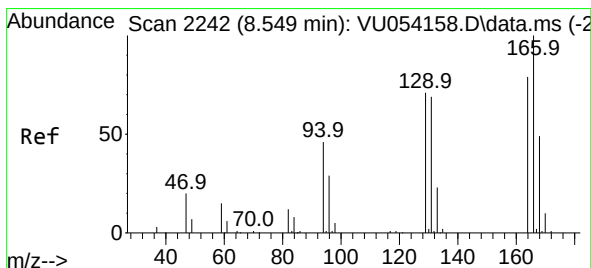
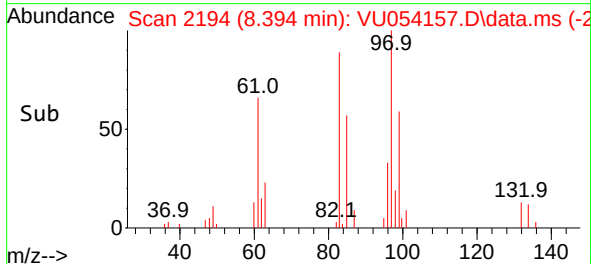
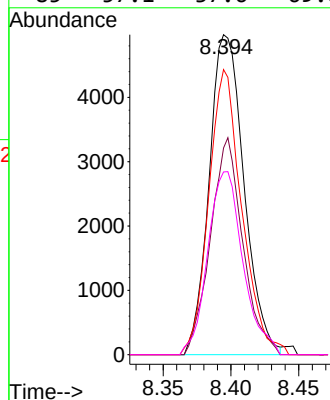
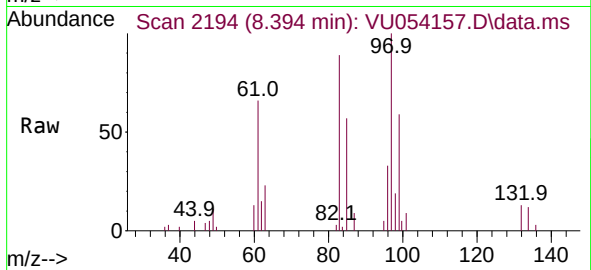




#45
1,1,2-Trichloroethane
Concen: 0.912 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

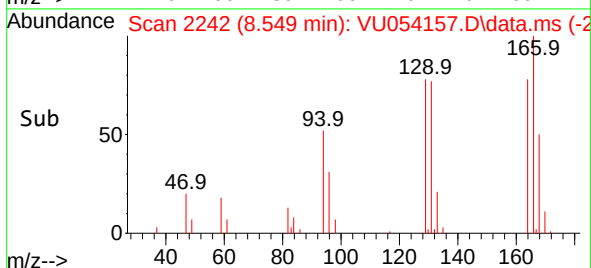
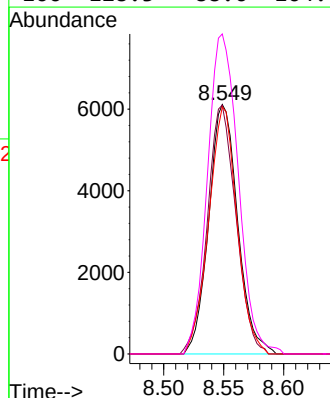
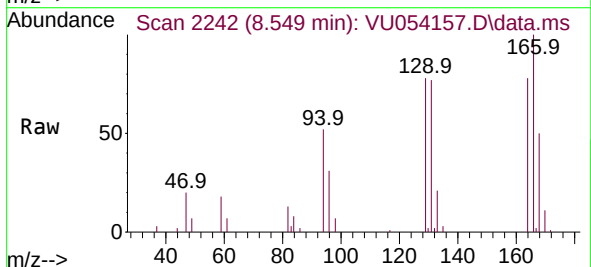
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

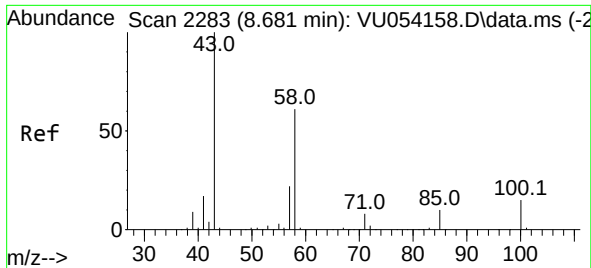
Tgt Ion: 97	Resp:	8905	
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.0	79.8
83	89.1	59.1	109.9
85	57.1	37.6	69.8



#47
Tetrachloroethene
Concen: 0.901 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt	Ion:164	Resp:	10261
Ion	Ratio	Lower	Upper
164	100		
129	99.8	63.3	117.7
131	99.0	61.0	113.4
166	128.3	88.6	164.6

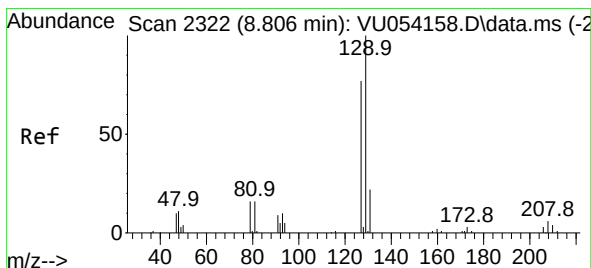
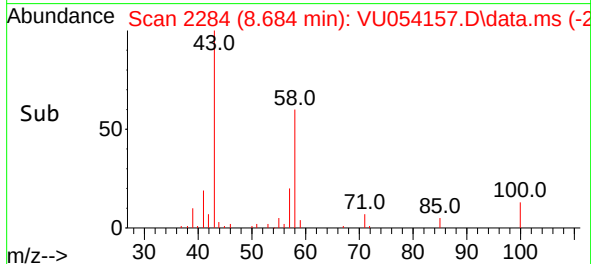
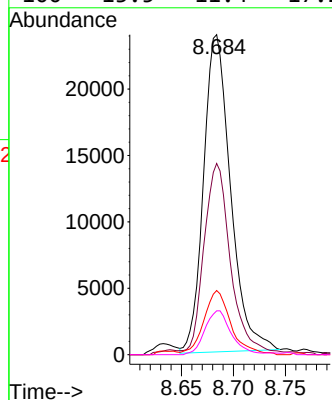
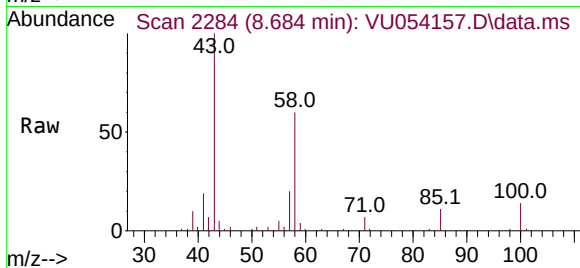




#48
2-Hexanone
Concen: 9.157 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

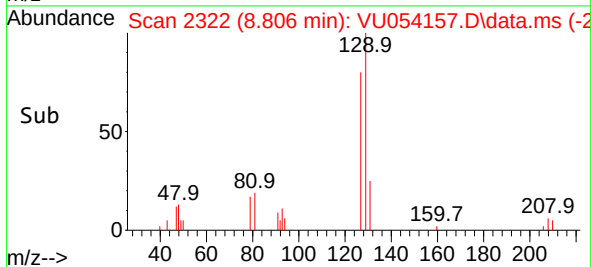
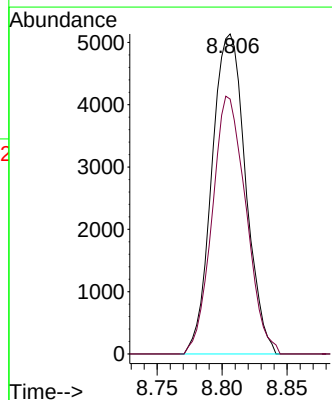
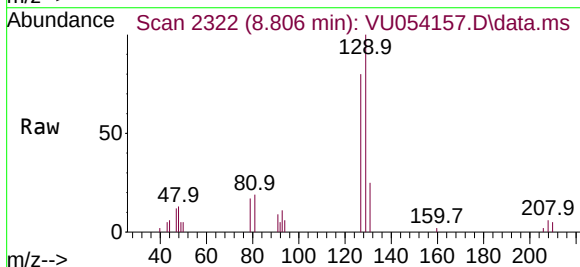
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

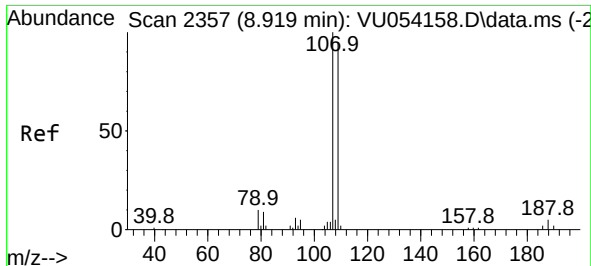
Tgt Ion: 43	Resp: 43234
Ion Ratio	Lower Upper
43 100	
58 57.8	48.6 72.8
57 20.3	16.7 25.1
100 13.5	11.4 17.2



#49
Dibromochloromethane
Concen: 0.887 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion:129	Resp:	9295	
Ion	Ratio	Lower	Upper
129	100		
127	79.7	53.6	99.6

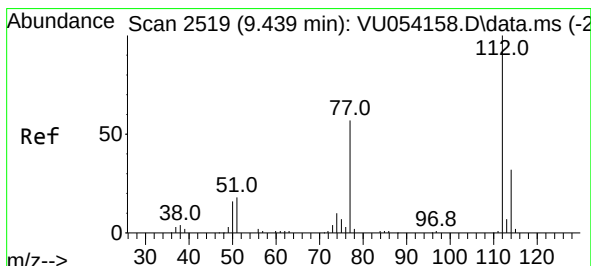
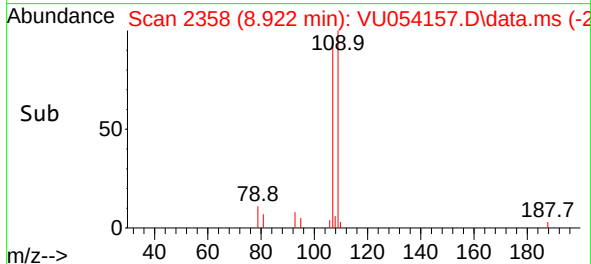
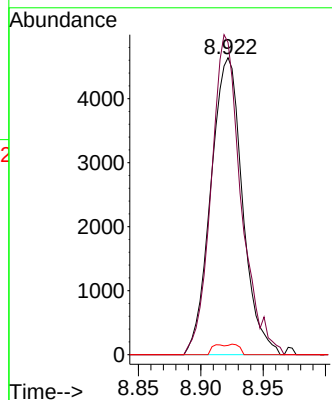
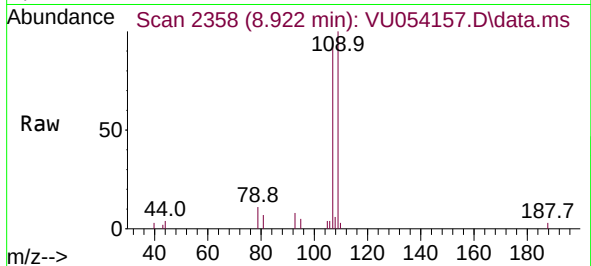




#50
1,2-Dibromoethane
Concen: 0.906 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

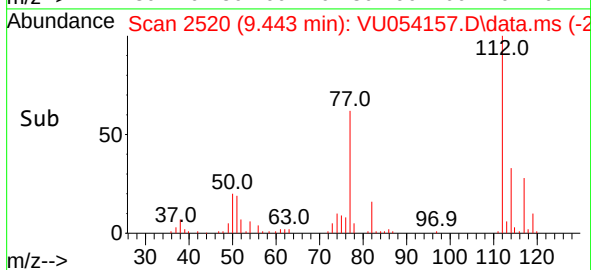
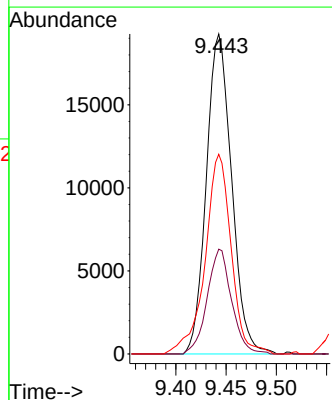
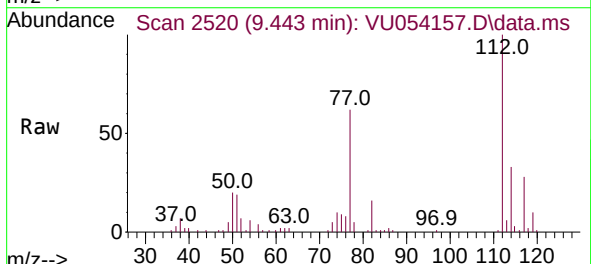
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

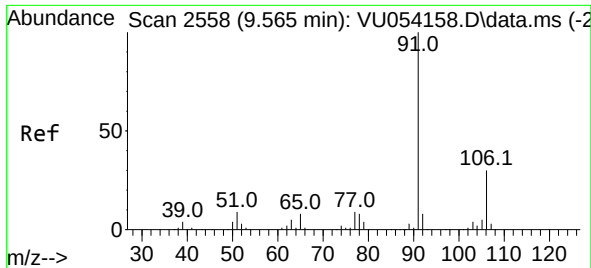
Tgt Ion:107 Resp: 8205
Ion Ratio Lower Upper
107 100
109 105.1 66.4 123.2
188 3.1 3.8 5.6#



#51
Chlorobenzene
Concen: 0.889 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion:112 Resp: 33697
Ion Ratio Lower Upper
112 100
114 32.8 22.4 41.6
77 62.4 46.1 69.1

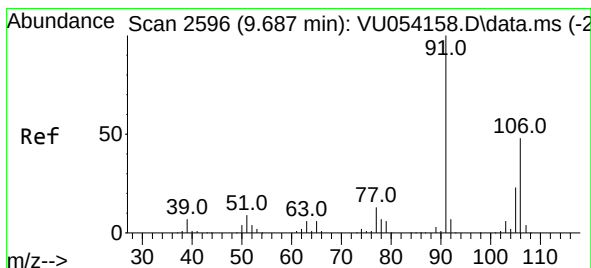
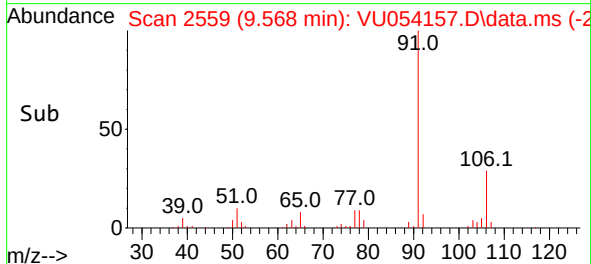
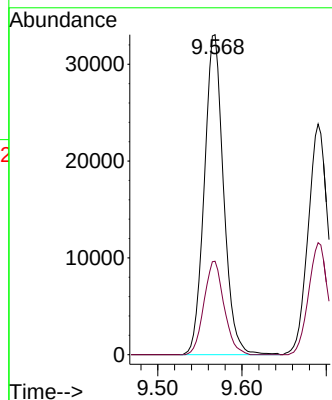
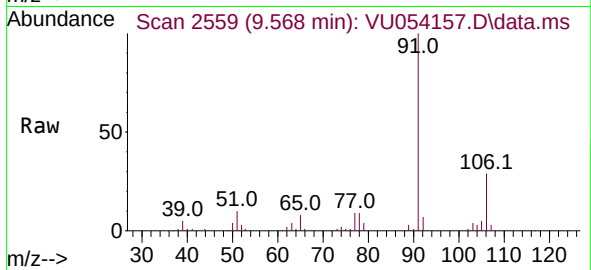




#52
Ethylbenzene
Concen: 0.854 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

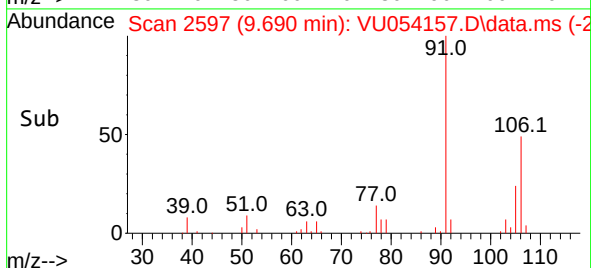
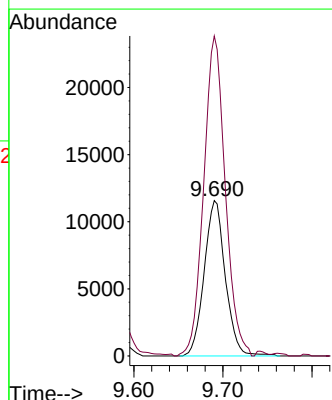
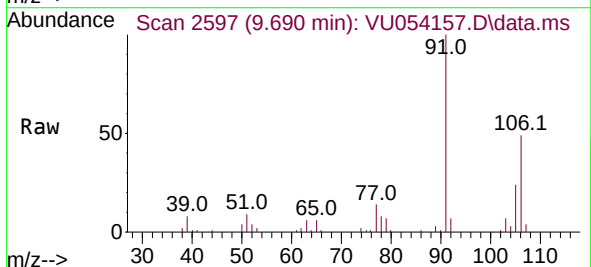
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

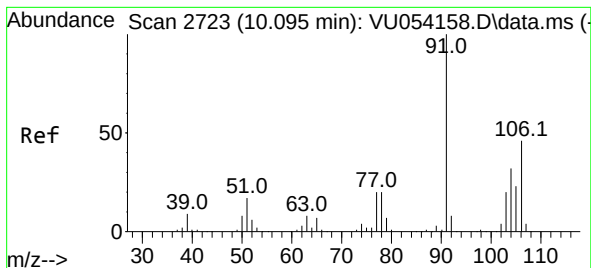
Tgt Ion: 91 Resp: 52593
Ion Ratio Lower Upper
91 100
106 29.2 21.3 39.5



#53
m,p-Xylene
Concen: 0.811 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 106 Resp: 19105
Ion Ratio Lower Upper
106 100
91 206.1 146.3 271.7





#54

o-Xylene

Concen: 0.884 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

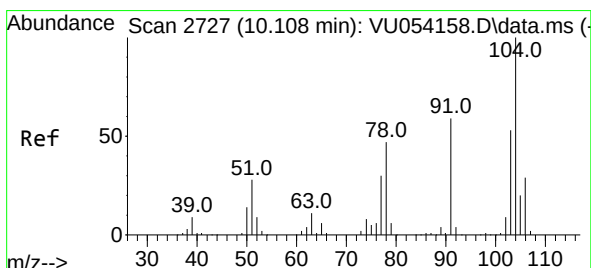
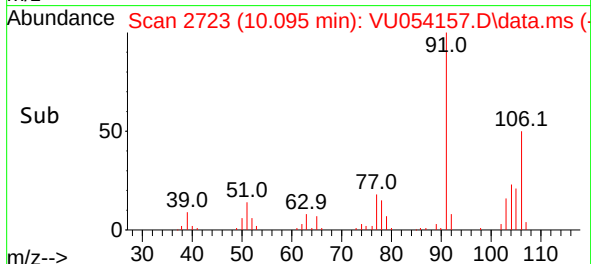
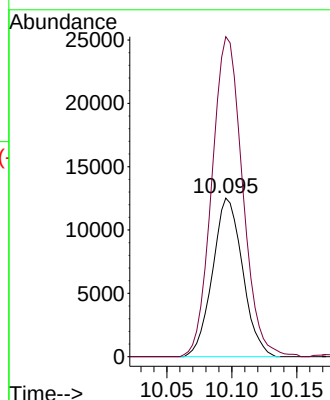
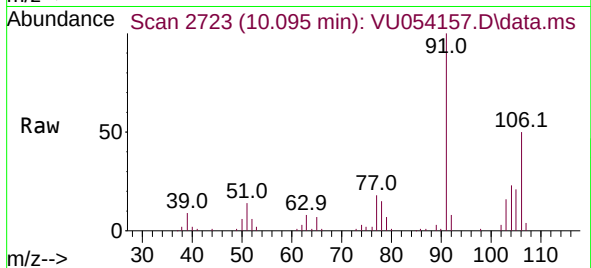
VSTD001026

Tgt Ion:106 Resp: 20124

Ion Ratio Lower Upper

106 100

91 201.8 153.6 285.3



#55

Styrene

Concen: 0.830 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU054157.D

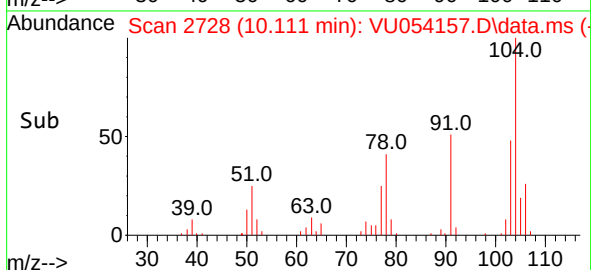
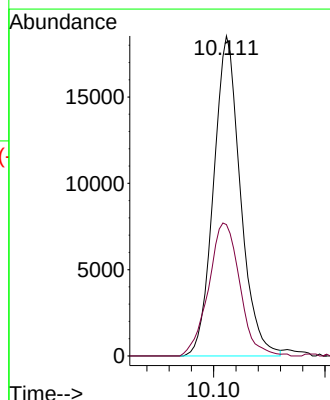
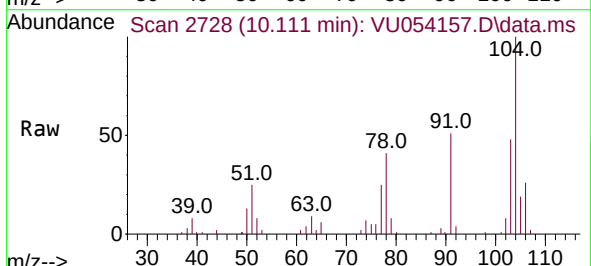
Acq: 18 May 2023 10:08

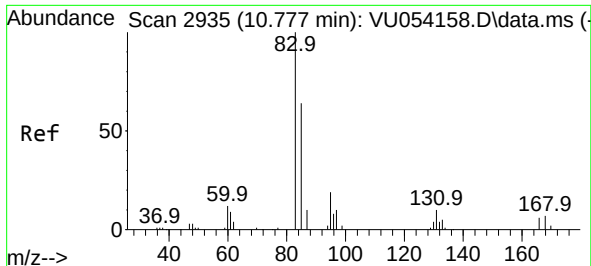
Tgt Ion:104 Resp: 31001

Ion Ratio Lower Upper

104 100

78 41.0 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.930 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD001026

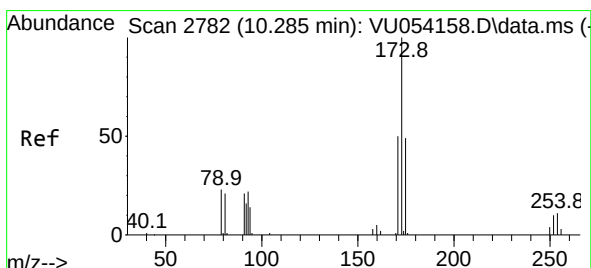
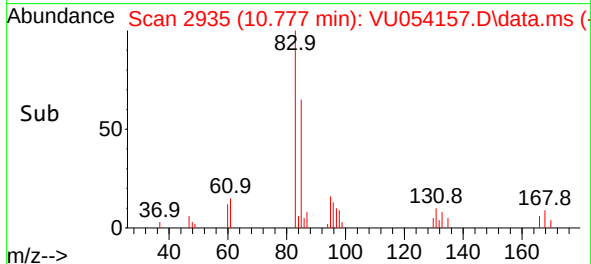
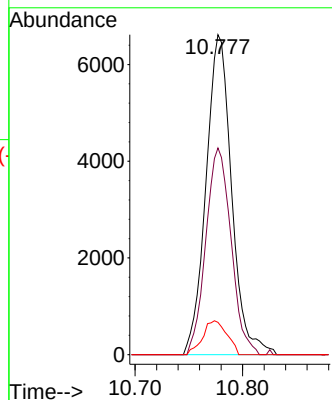
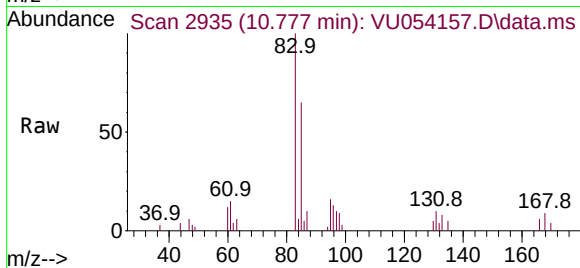
Tgt Ion: 83 Resp: 10957

Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

131 10.1 8.1 12.1



#59

Bromoform

Concen: 0.971 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

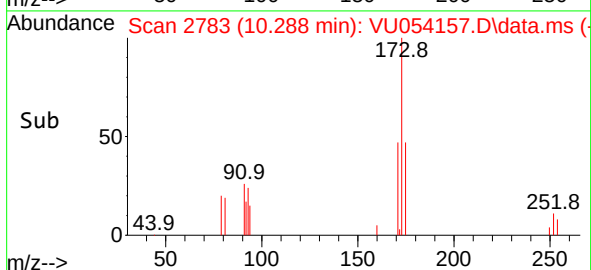
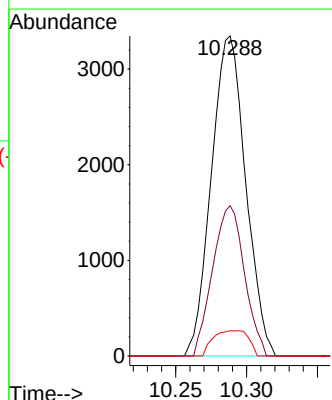
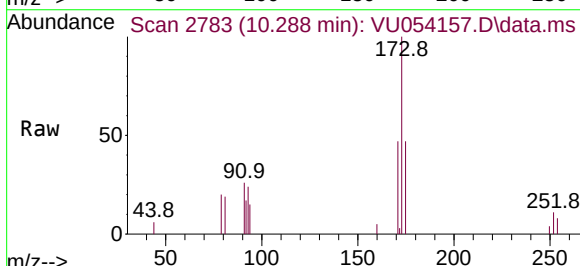
Tgt Ion: 173 Resp: 5641

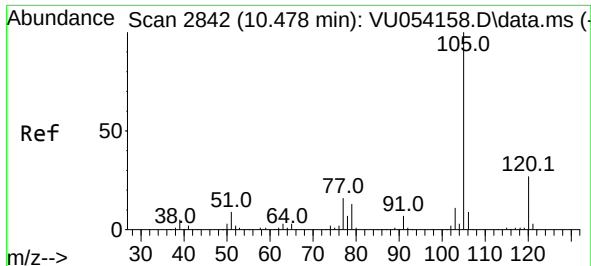
Ion Ratio Lower Upper

173 100

175 43.4 38.6 58.0

254 8.1 7.9 11.9

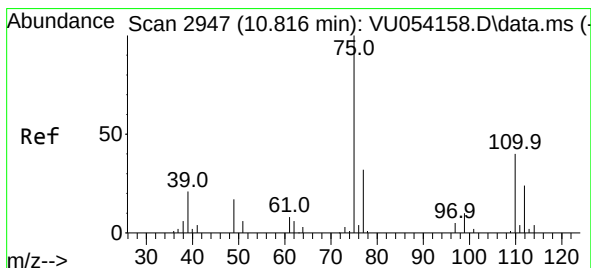
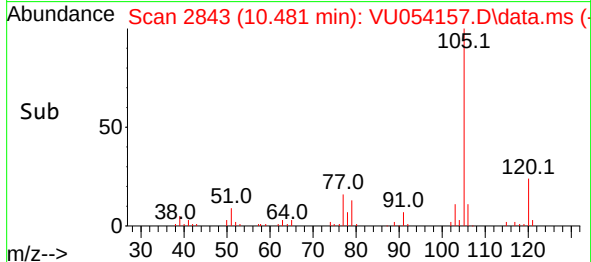
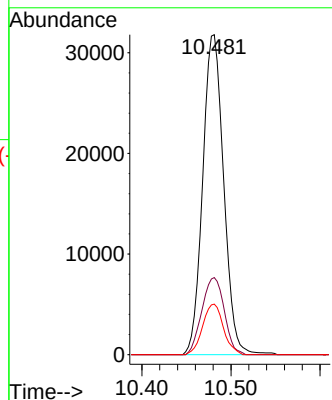
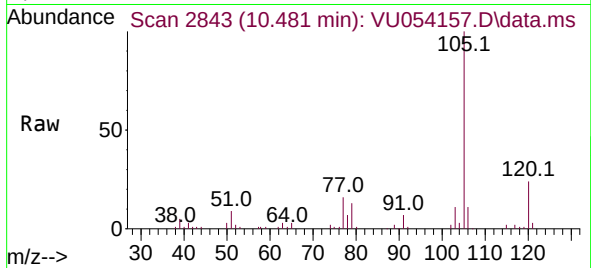




#60
Isopropylbenzene
Concen: 0.868 ug/L
RT: 10.481 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

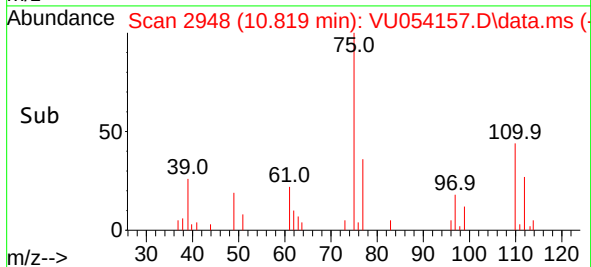
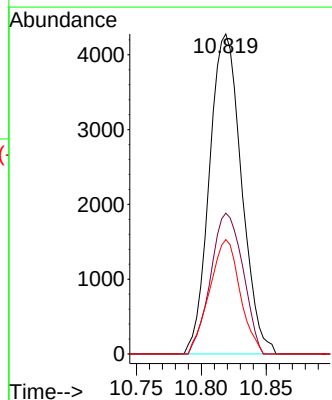
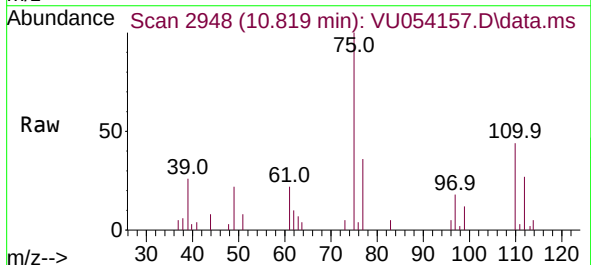
Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

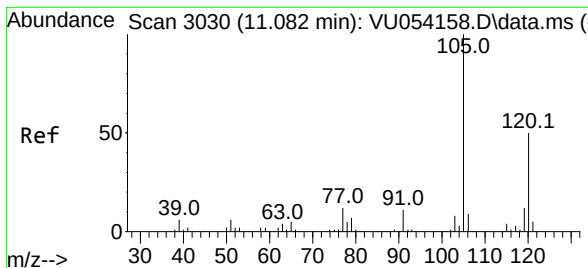
Tgt Ion:105 Resp: 52011
Ion Ratio Lower Upper
105 100
120 25.7 21.3 31.9
77 15.7 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.948 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion: 75 Resp: 7334
Ion Ratio Lower Upper
75 100
110 44.3 32.3 48.5
77 34.0 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.822 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

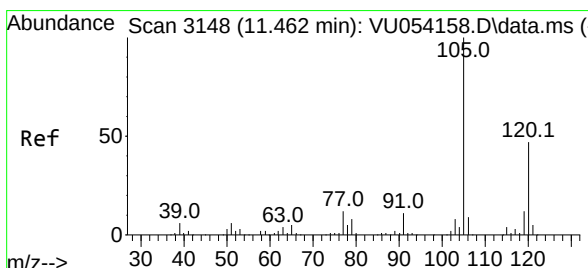
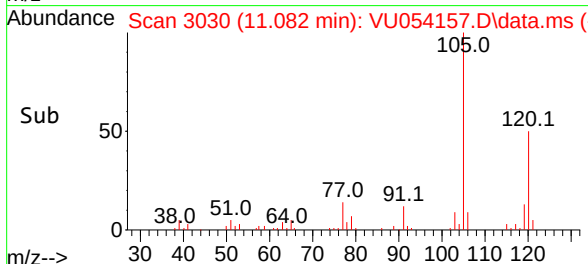
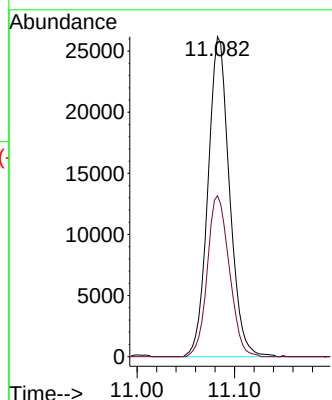
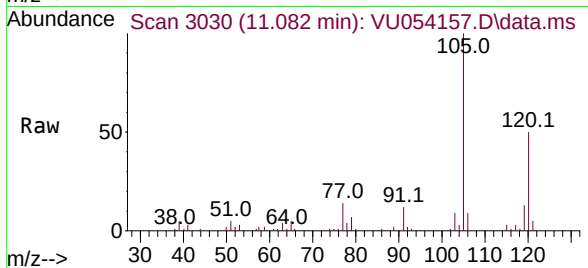
VSTD001026

Tgt Ion:105 Resp: 40190

Ion Ratio Lower Upper

105 100

120 51.3 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.791 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054157.D

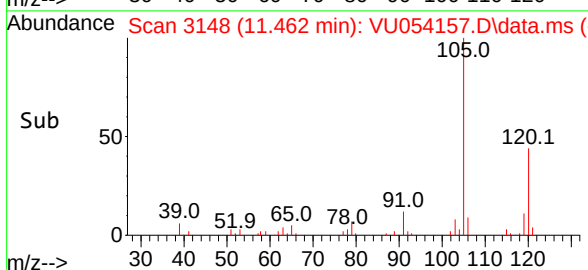
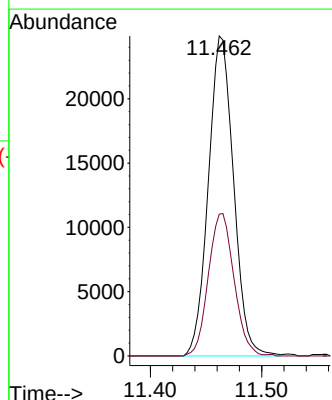
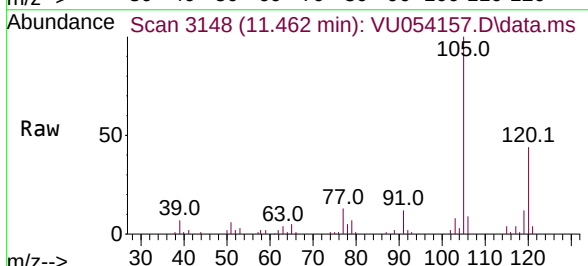
Acq: 18 May 2023 10:08

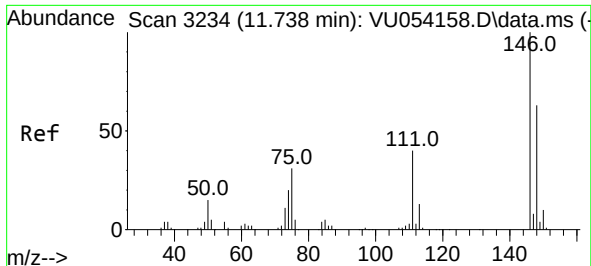
Tgt Ion:105 Resp: 39136

Ion Ratio Lower Upper

105 100

120 45.3 36.9 55.3

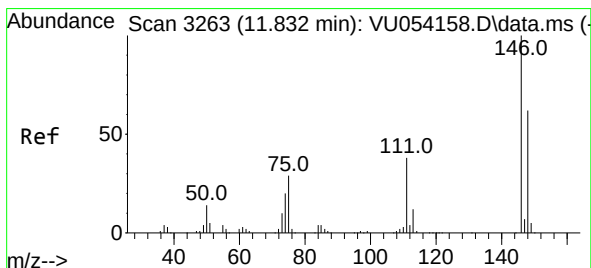
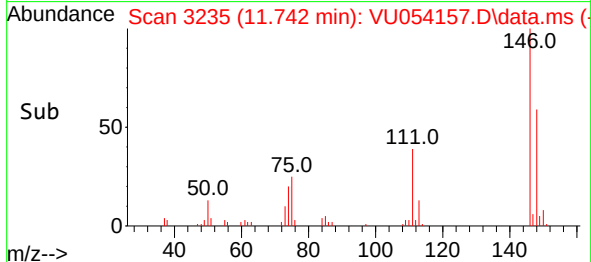
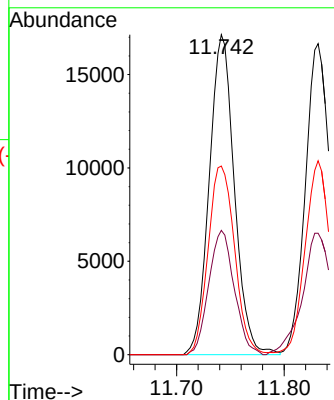
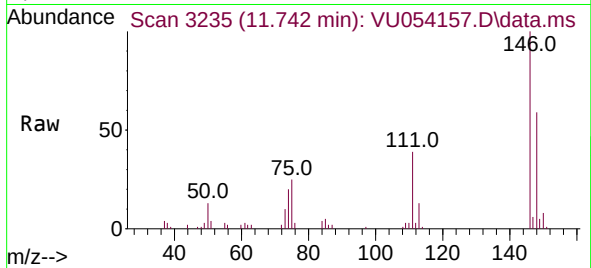




#64
 1,3-Dichlorobenzene
 Concen: 0.927 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

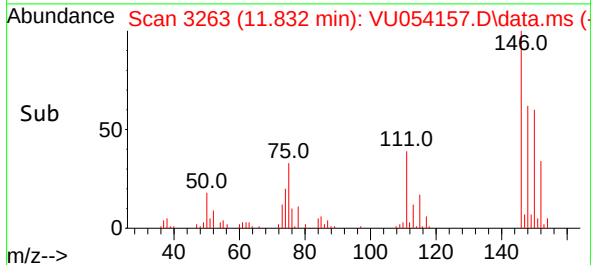
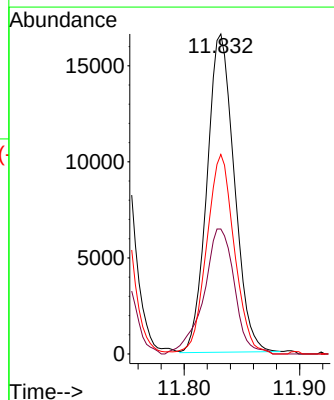
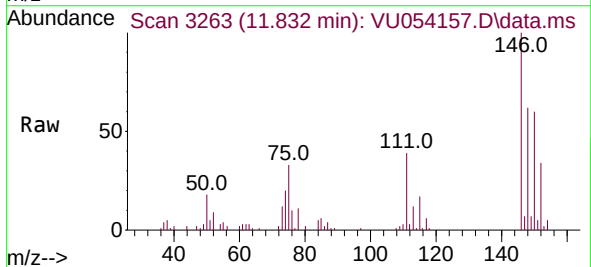
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001026

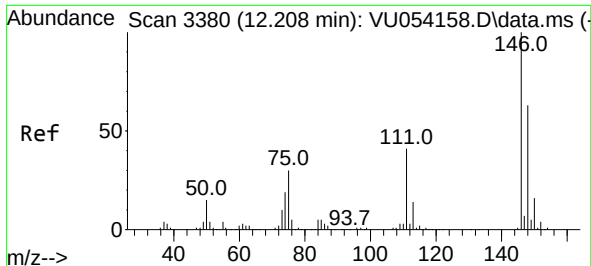
Tgt Ion:146 Resp: 27787
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.8 51.6
 148 59.0 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 0.898 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU054157.D
 Acq: 18 May 2023 10:08

Tgt Ion:146 Resp: 27196
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.6 49.4
 148 62.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.879 ug/L

RT: 12.208 min Scan# 3111

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD001026

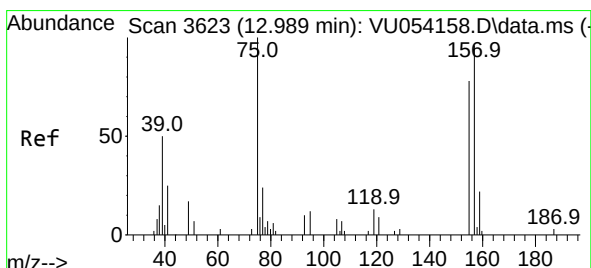
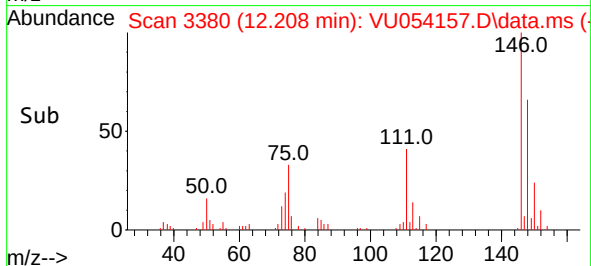
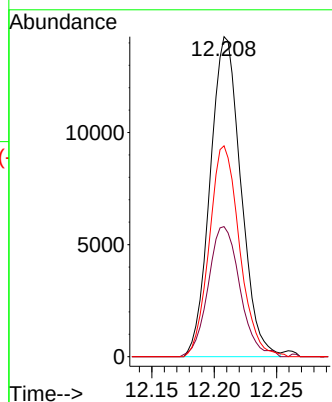
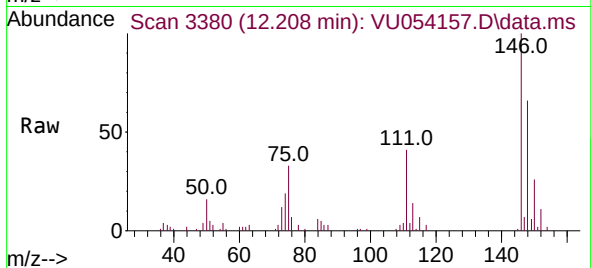
Tgt Ion:146 Resp: 24474

Ion Ratio Lower Upper

146 100

111 40.7 33.0 49.4

148 65.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.880 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

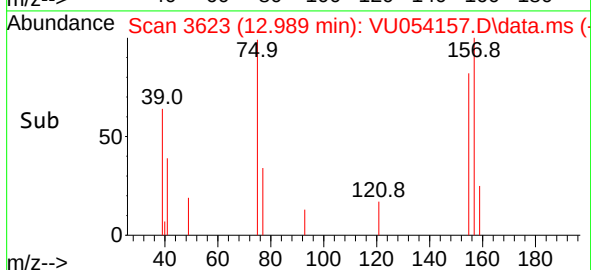
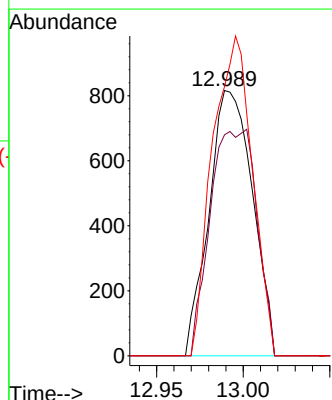
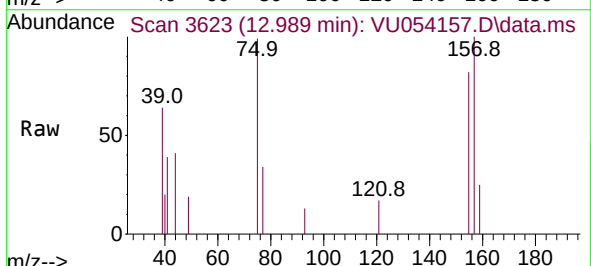
Tgt Ion: 75 Resp: 1426

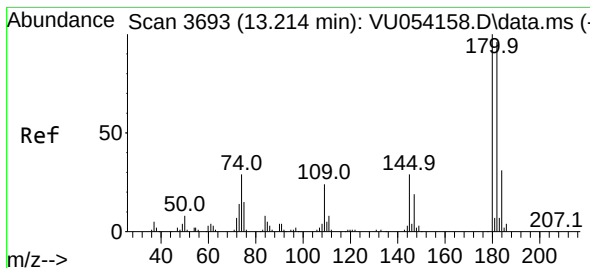
Ion Ratio Lower Upper

75 100

155 83.3 62.7 94.1

157 101.5 77.0 115.4





#69

1,3,5-Trichlorobenzene

Concen: 0.899 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD001026

Tgt Ion:180 Resp: 19589

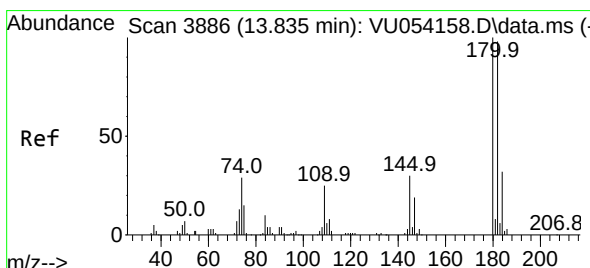
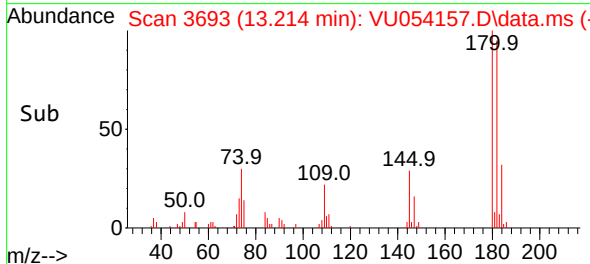
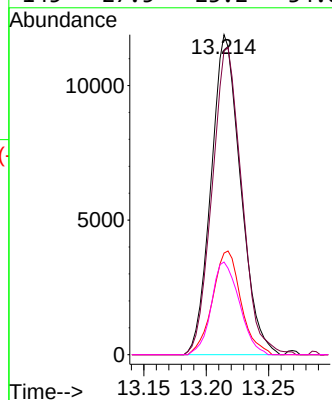
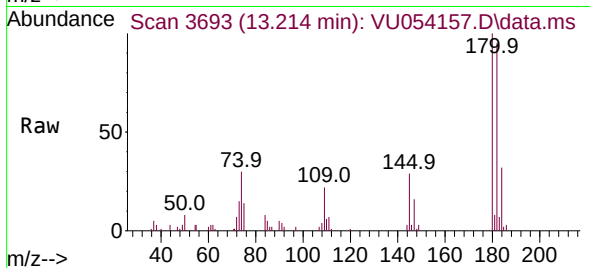
Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

184 31.2 24.5 36.7

145 27.5 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 0.770 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU054157.D

Acq: 18 May 2023 10:08

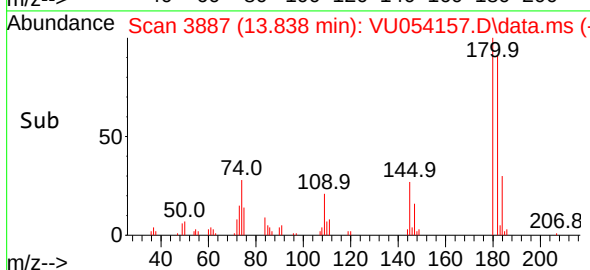
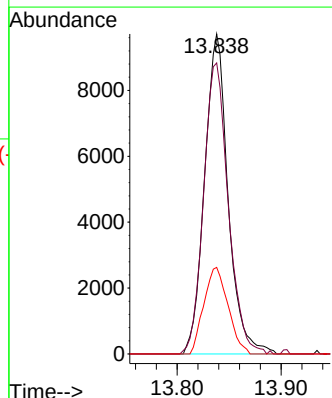
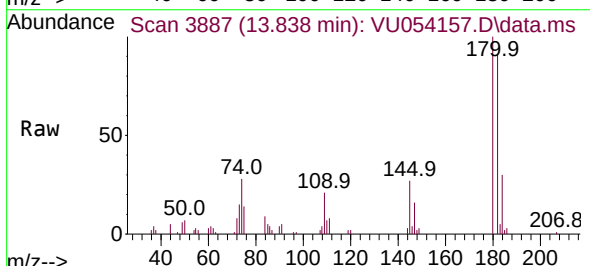
Tgt Ion:180 Resp: 15265

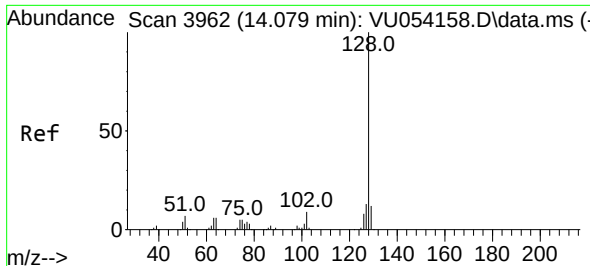
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 27.7 23.3 34.9

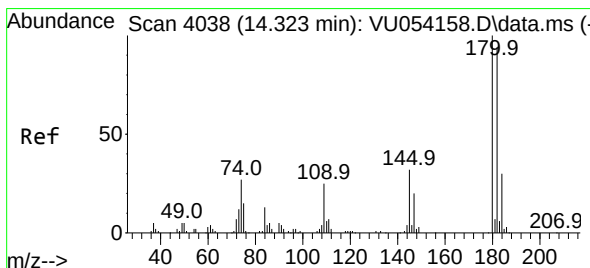
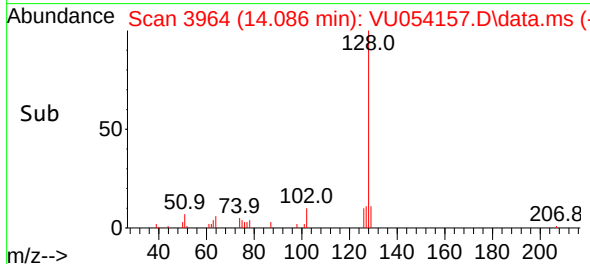
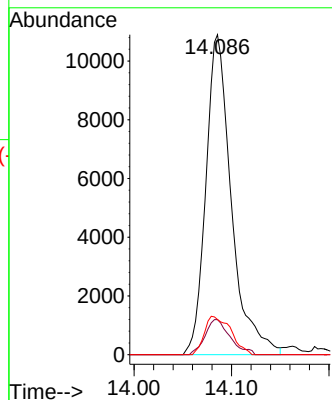
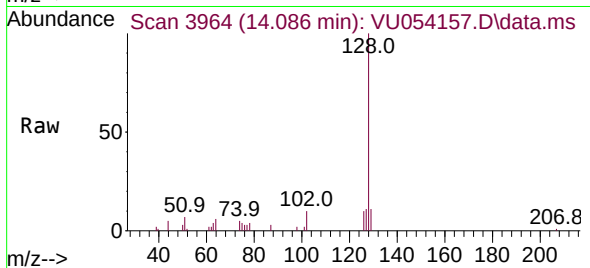




#71
Naphthalene
Concen: 0.581 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD001026

Tgt Ion:	128	Resp:	19844
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	12.4	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.730 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU054157.D
Acq: 18 May 2023 10:08

Tgt Ion:	180	Resp:	12935
Ion Ratio	Lower	Upper	
180	100		
182	89.7	76.4	114.6
145	34.6	25.1	37.7

