

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053899.D
 Acq On : 25 Apr 2023 21:16
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005161

Quant Time: Apr 26 05:16:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	146508	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	137087	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	76134	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	37866	4.243	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.916	69	32985	4.404	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.565	65	15946	4.342	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	4.642	46	75931	46.457	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.920%
24) Chloroform-d	5.057	84	81182	4.828	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.697	65	36379	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.723	84	153606	4.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.687	67	47817	4.894	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.893	98	144753	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.176	79	16968	4.416	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.629	63	69313	50.973	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.940%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36594	4.635	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	52720	4.317	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52520	4.832	ug/L	98
3) Chloromethane	1.520	50	52253	4.951	ug/L	99
5) Vinyl chloride	1.604	62	59938	4.922	ug/L	98
6) Bromomethane	1.858	94	39347	4.965	ug/L	94
8) Chloroethane	1.935	64	37865	4.981	ug/L	97
9) Trichlorofluoromethane	2.137	101	86924	4.834	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	51315	4.911	ug/L	99
12) 1,1-Dichloroethene	2.578	96	47957	5.204	ug/L	97
13) Acetone	2.658	43	50990	38.471	ug/L	96
14) Carbon disulfide	2.790	76	117178	4.640	ug/L	98
15) Methyl Acetate	2.957	43	12773	4.465	ug/L	93
16) Methylene chloride	3.044	84	52539	4.178	ug/L	97
17) Methyl tert-butyl Ether	3.362	73	100345	5.027	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	46765	5.022	ug/L	99
19) 1,1-Dichloroethane	3.867	63	87022	5.164	ug/L	97
21) 2-Butanone	4.723	43	90202	49.164	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	52524	5.000	ug/L	99
23) Bromochloromethane	4.970	128	23751	5.081	ug/L	95
25) Chloroform	5.083	83	94705	5.175	ug/L	99

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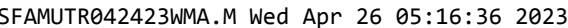
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 ClientSampleId :
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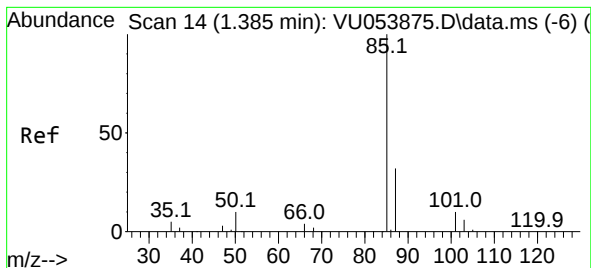
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	51343	4.894	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	79510	5.159	ug/L	99
30) Cyclohexane	5.385	56	67895	4.903	ug/L	98
31) Carbon tetrachloride	5.520	117	66924	4.996	ug/L	95
33) Benzene	5.771	78	203719	5.272	ug/L	100
34) Trichloroethene	6.536	95	55375	5.259	ug/L	95
35) Methylcyclohexane	6.758	83	78269	4.812	ug/L	100
37) 1,2-Dichloropropane	6.787	63	50441	5.261	ug/L	100
38) Bromodichloromethane	7.099	83	60877	5.080	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	70249	4.859	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	220700	51.033	ug/L	99
42) Toluene	7.964	91	214550	5.236	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	56511	4.834	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	37107	5.164	ug/L	97
47) Tetrachloroethene	8.549	164	43944	5.265	ug/L	98
48) 2-Hexanone	8.681	43	157073	47.785	ug/L	98
49) Dibromochloromethane	8.806	129	37448	4.922	ug/L	96
50) 1,2-Dibromoethane	8.919	107	35930	5.405	ug/L	99
51) Chlorobenzene	9.443	112	138881	4.992	ug/L	100
52) Ethylbenzene	9.565	91	229834	5.108	ug/L	99
53) m,p-Xylene	9.690	106	89424	5.186	ug/L	97
54) o-Xylene	10.095	106	85741	5.153	ug/L	96
55) Styrene	10.108	104	141140	5.185	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	42031	4.906	ug/L	94
59) Bromoform	10.285	173	18913	4.369	ug/L	97
60) Isopropylbenzene	10.478	105	226943	4.957	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	29069	4.951	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	183731	4.937	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	184036	4.887	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	108470	4.741	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	108140	4.678	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	101848	4.820	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	5311	4.390	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	77433	4.727	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	60393	4.050	ug/L	97
71) Naphthalene	14.082	128	99685	3.782	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	55064	4.138	ug/L	99

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

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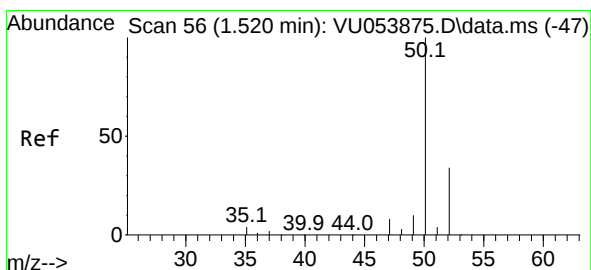
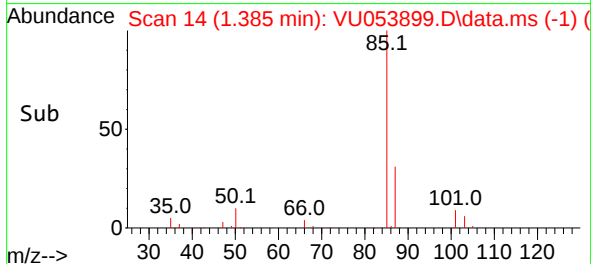
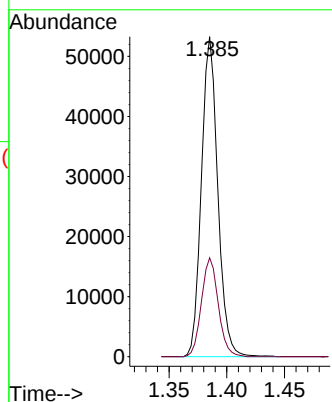
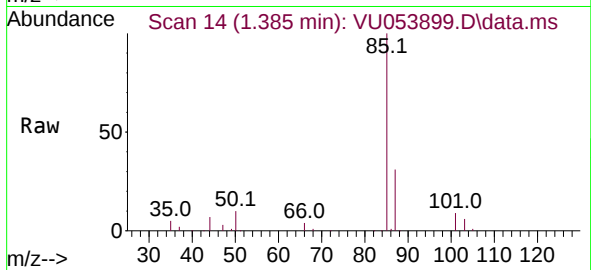




#2
Dichlorodifluoromethane
Concen: 4.832 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053899.D
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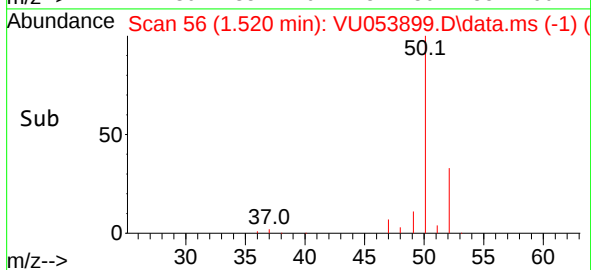
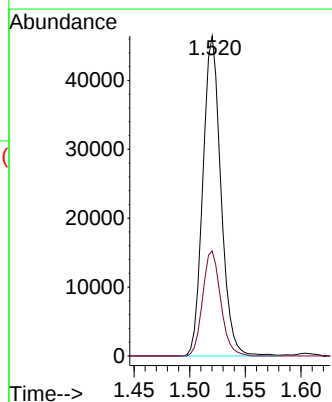
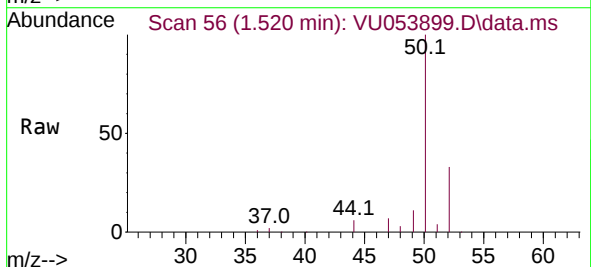
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MSVOA_U
ClientSampleId :
VSTD005161

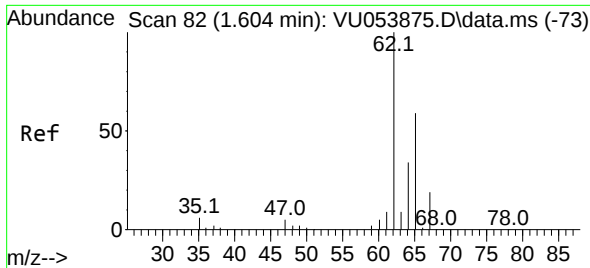
Tgt Ion: 85 Resp: 52520
Ion Ratio Lower Upper
85 100
87 31.7 24.5 36.7



#3
Chloromethane
Concen: 4.951 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 50 Resp: 52253
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.6

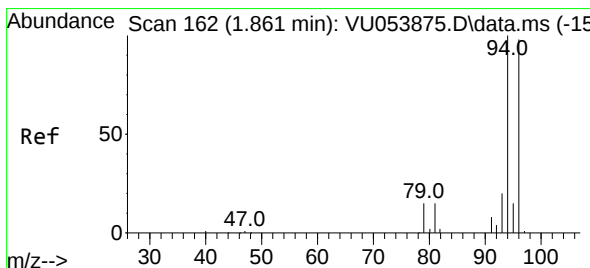
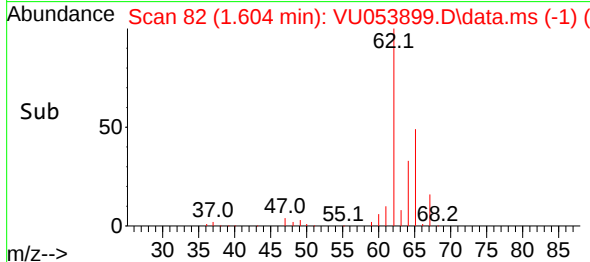
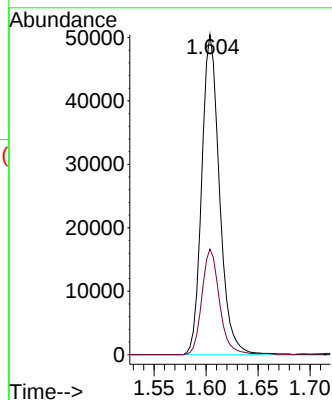
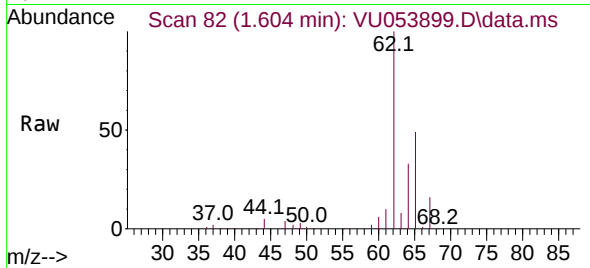




#5
 Vinyl chloride
 Concen: 4.922 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053899.D
 Acq: 25 Apr 2023 21:16

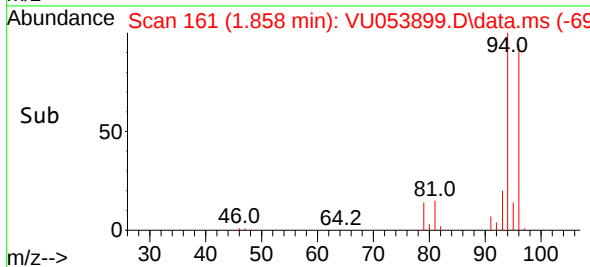
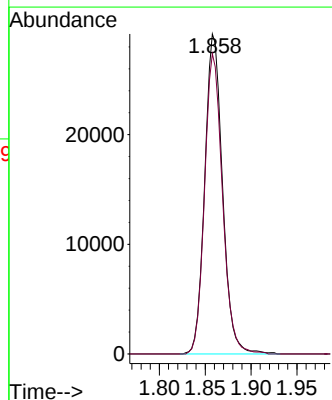
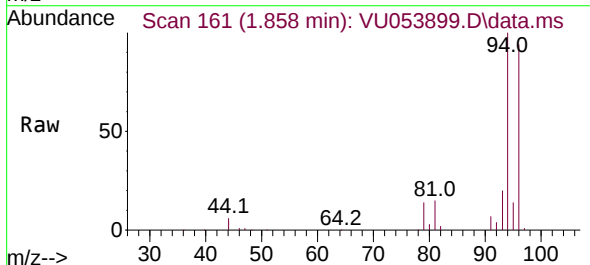
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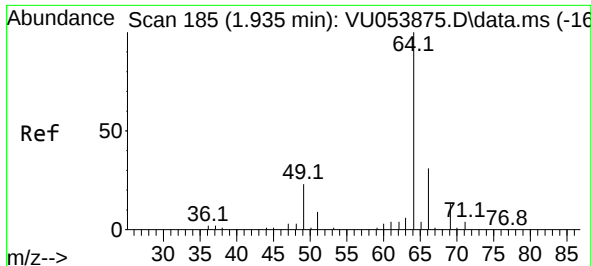
Tgt Ion: 62 Resp: 59938
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.4 41.6



#6
 Bromomethane
 Concen: 4.965 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU053899.D
 Acq: 25 Apr 2023 21:16

Tgt Ion: 94 Resp: 39347
 Ion Ratio Lower Upper
 94 100
 96 93.8 61.9 114.9

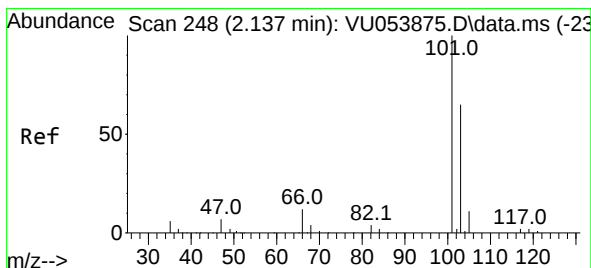
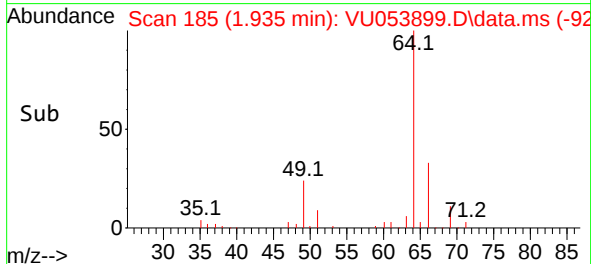
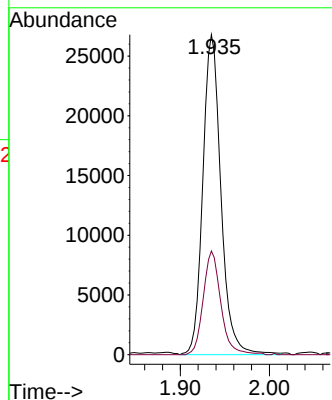
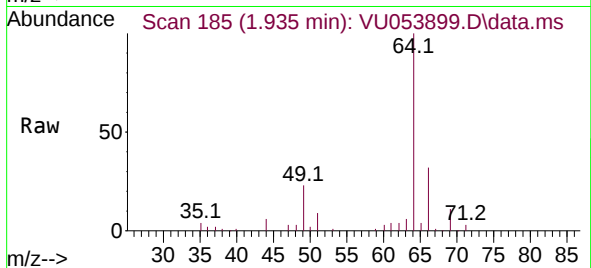




#8
Chloroethane
Concen: 4.981 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

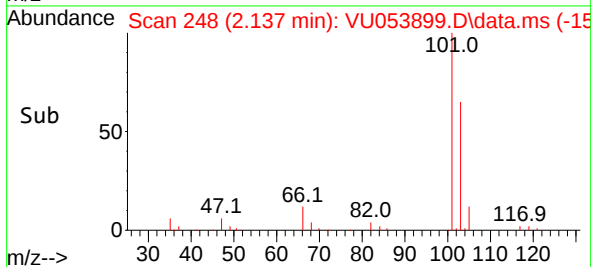
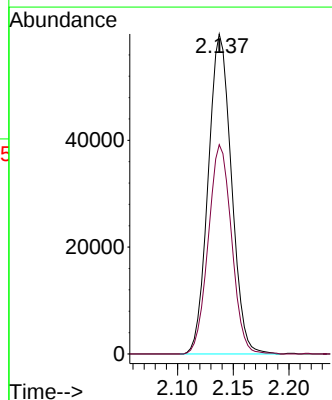
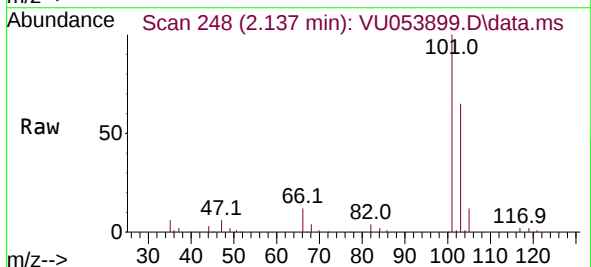
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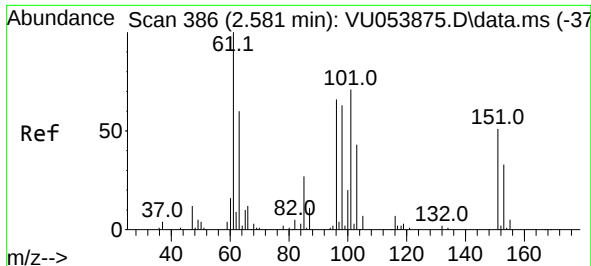
Tgt Ion: 64 Resp: 37865
Ion Ratio Lower Upper
64 100
66 32.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 4.834 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:101 Resp: 86924
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

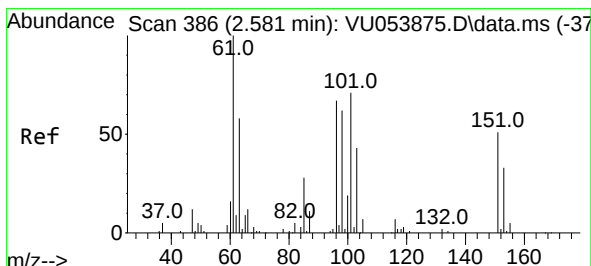
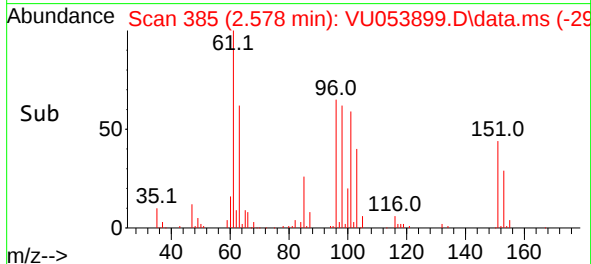
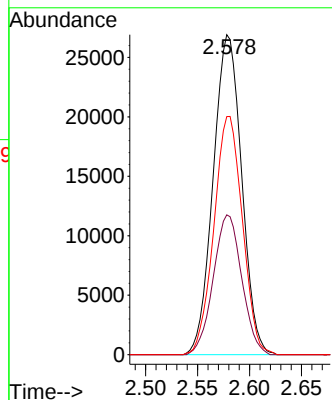
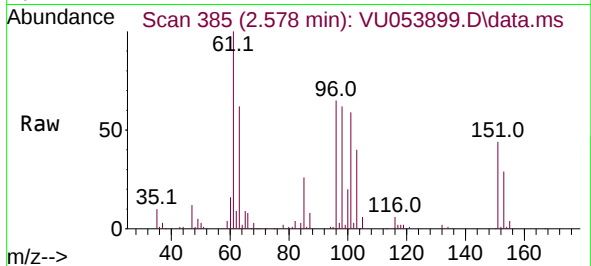




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.911 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053899.D
 Acq: 25 Apr 2023 21:16

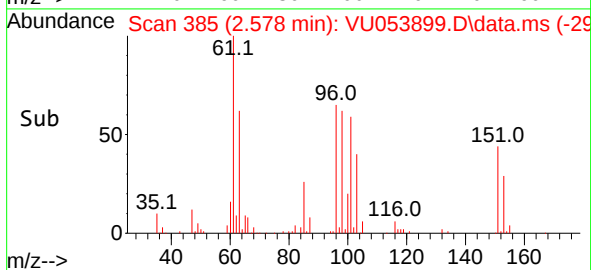
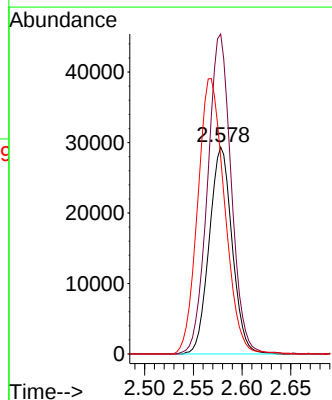
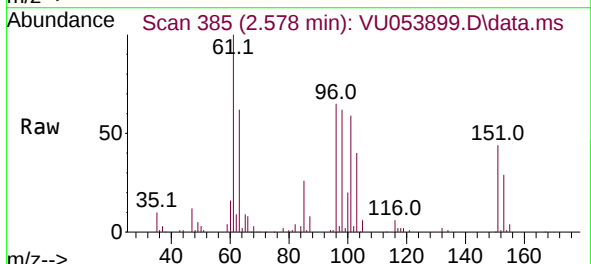
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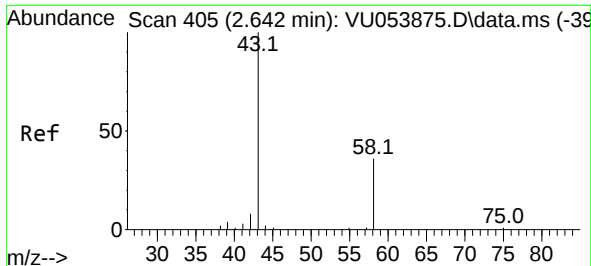
Tgt Ion:101 Resp: 51315
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.7 52.1
 151 74.5 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 5.204 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053899.D
 Acq: 25 Apr 2023 21:16

Tgt Ion: 96 Resp: 47957
 Ion Ratio Lower Upper
 96 100
 61 154.7 111.5 207.1
 63 95.2 68.7 127.7





#13

Acetone

Concen: 38.471 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.016 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

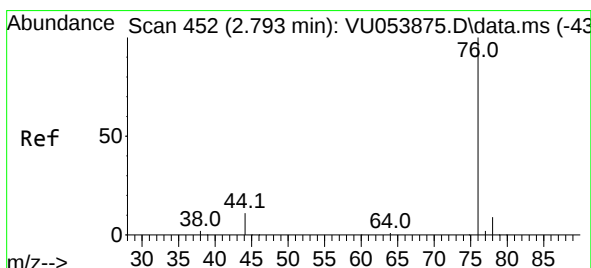
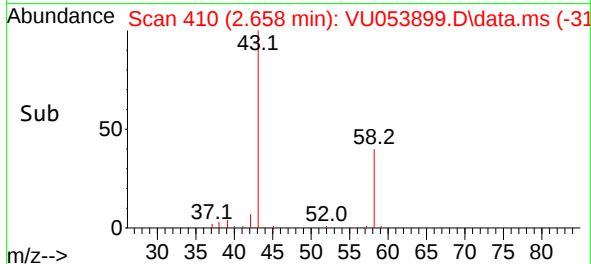
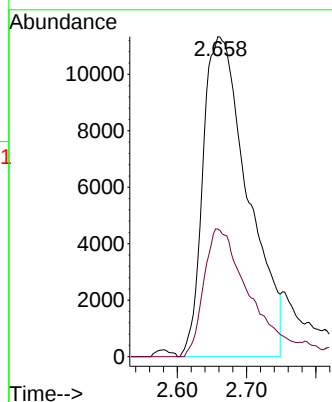
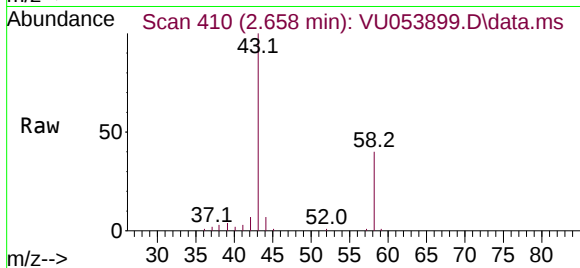
VSTD005161

Tgt Ion: 43 Resp: 50990

Ion Ratio Lower Upper

43 100

58 40.3 0.0 76.2



#14

Carbon disulfide

Concen: 4.640 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053899.D

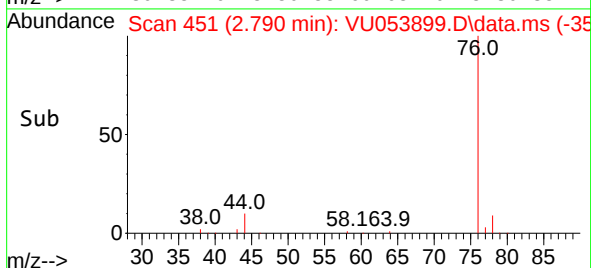
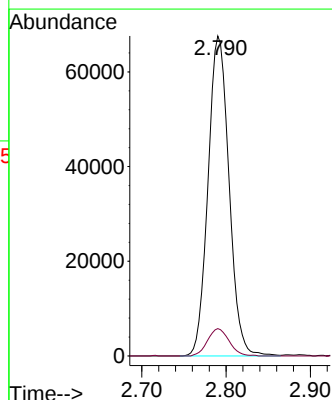
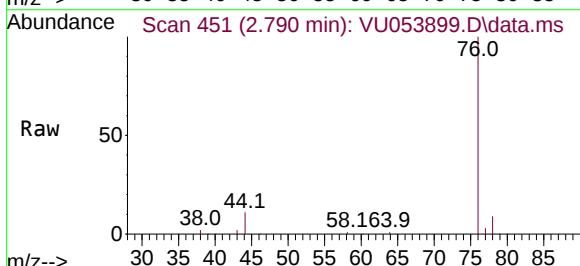
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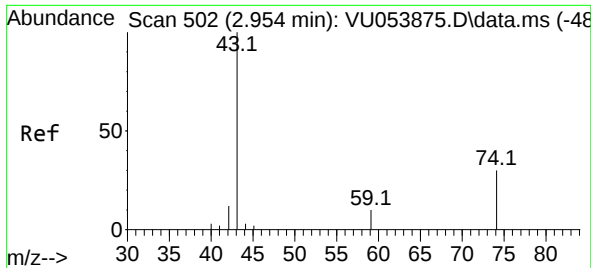
Tgt Ion: 76 Resp: 117178

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9

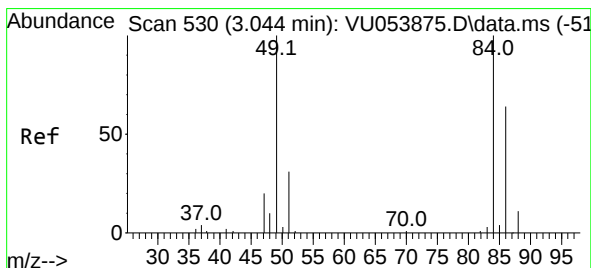
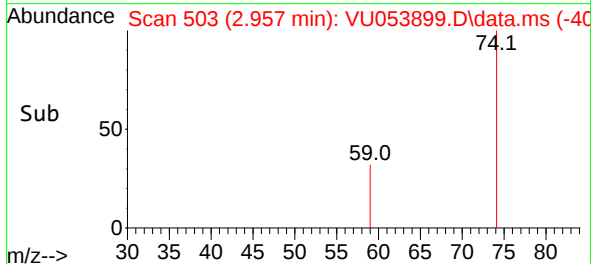
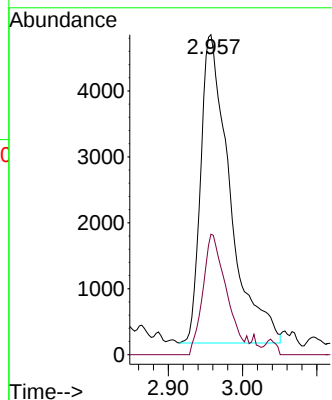
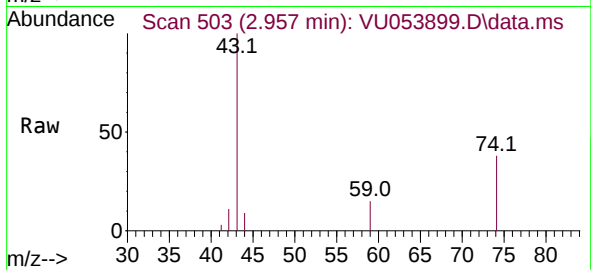




#15
Methyl Acetate
Concen: 4.465 ug/L
RT: 2.957 min Scan# 50
Delta R.T. 0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

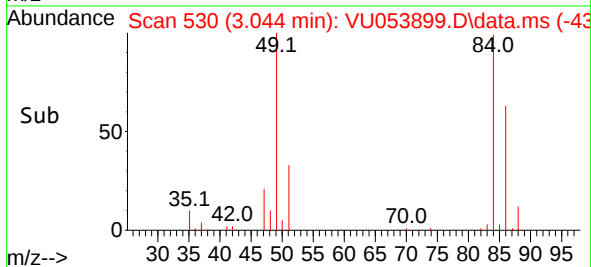
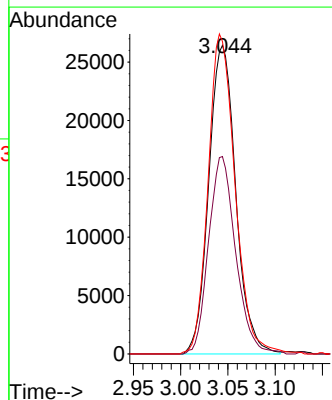
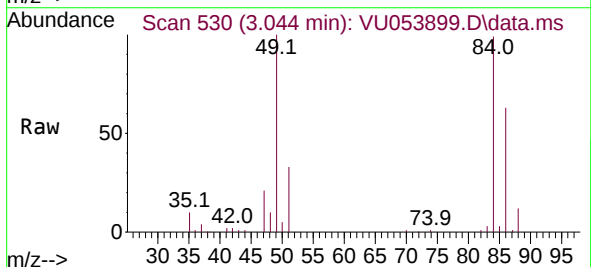
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

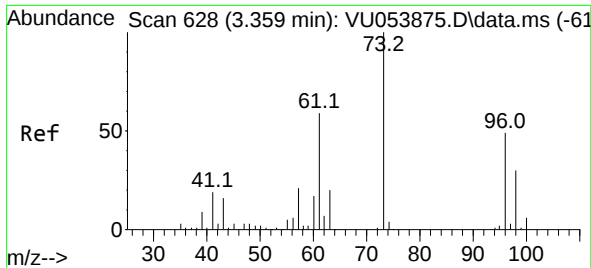
Tgt Ion: 43 Resp: 12773
Ion Ratio Lower Upper
43 100
74 31.2 22.0 33.0



#16
Methylene chloride
Concen: 4.178 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 84 Resp: 52539
Ion Ratio Lower Upper
84 100
86 64.0 45.0 83.6
49 101.2 74.8 138.8

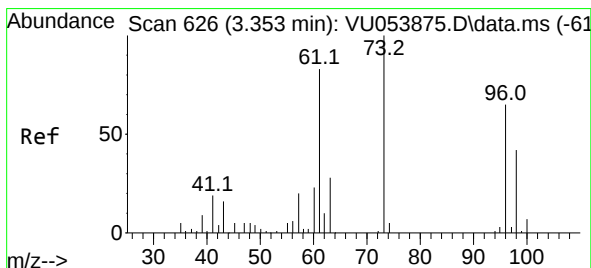
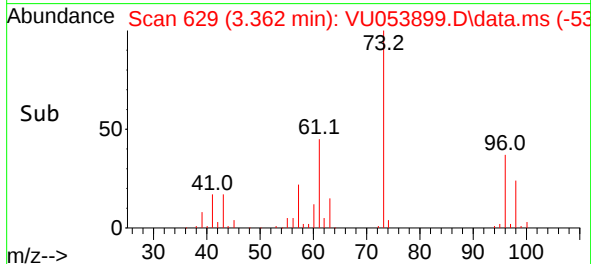
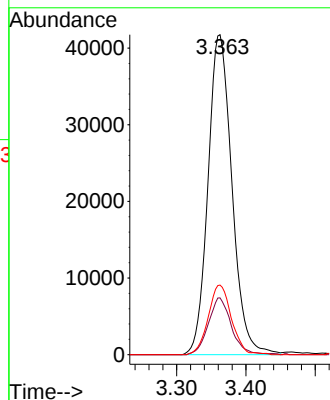
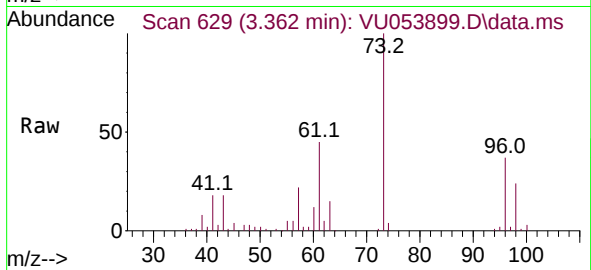




#17
Methyl tert-butyl Ether
Concen: 5.027 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

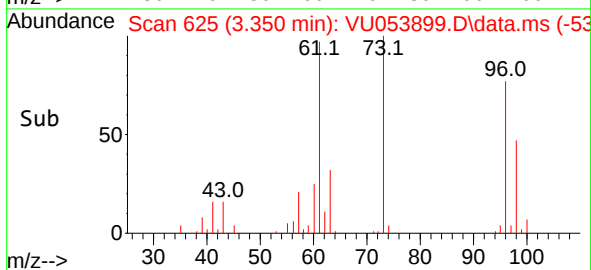
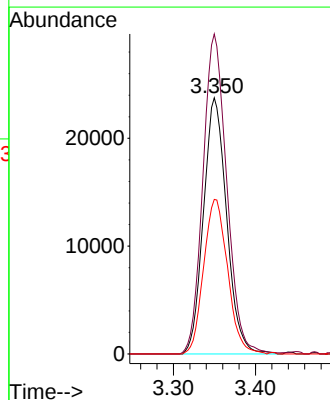
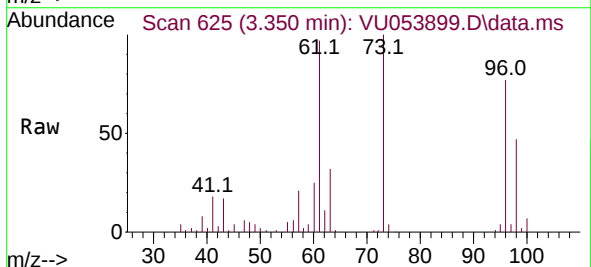
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

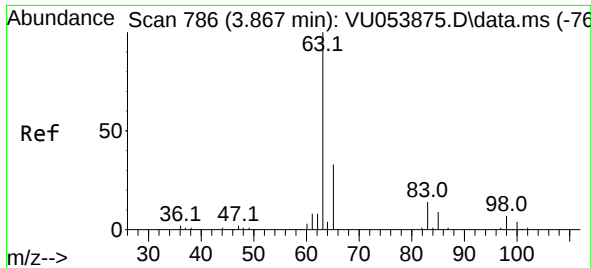
Tgt Ion: 73 Resp: 100345
Ion Ratio Lower Upper
73 100
43 17.1 13.4 20.2
57 21.1 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.022 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 96 Resp: 46765
Ion Ratio Lower Upper
96 100
61 124.9 86.2 160.0
98 60.4 42.8 79.4

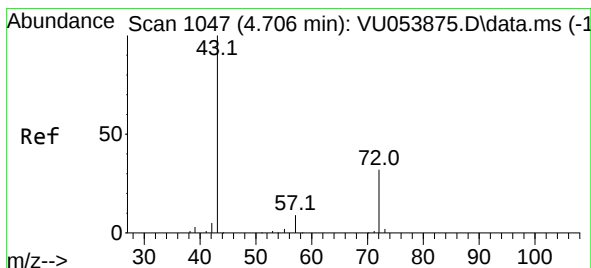
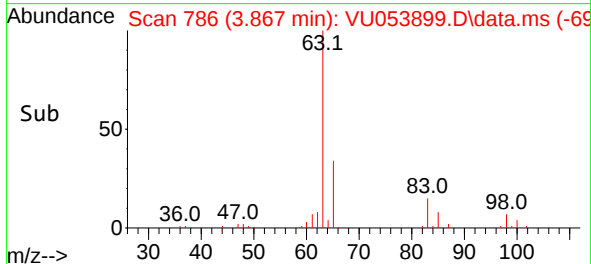
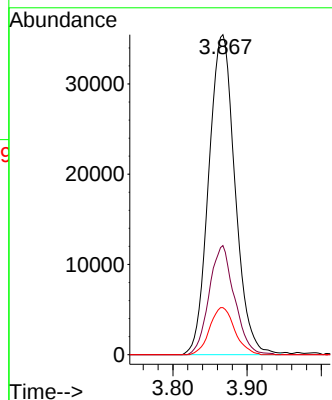
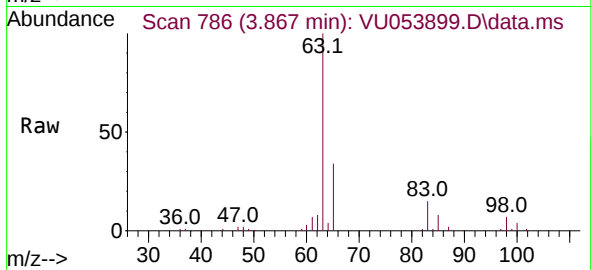




#19
1,1-Dichloroethane
Concen: 5.164 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

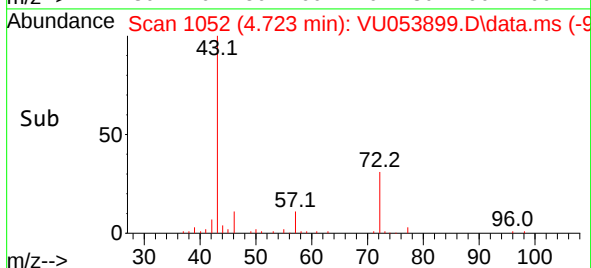
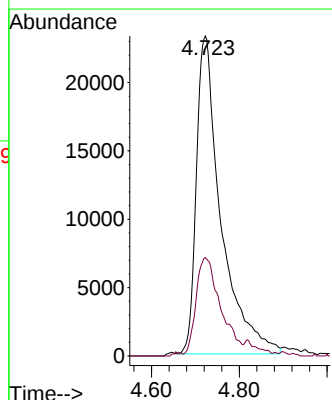
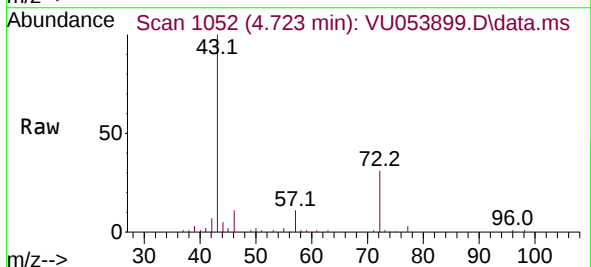
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

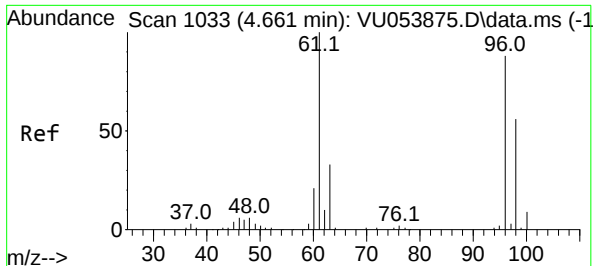
Tgt Ion: 63 Resp: 87022
Ion Ratio Lower Upper
63 100
65 34.1 22.0 40.8
83 14.7 10.3 19.1



#21
2-Butanone
Concen: 49.164 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 43 Resp: 90202
Ion Ratio Lower Upper
43 100
72 30.5 15.7 47.0





#22

cis-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 4.665 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

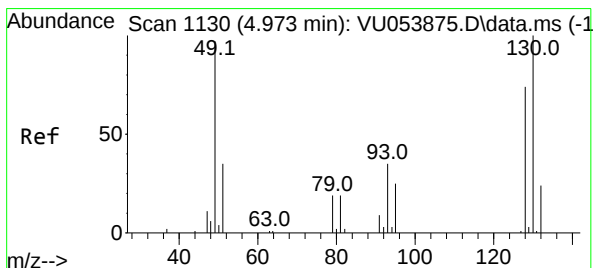
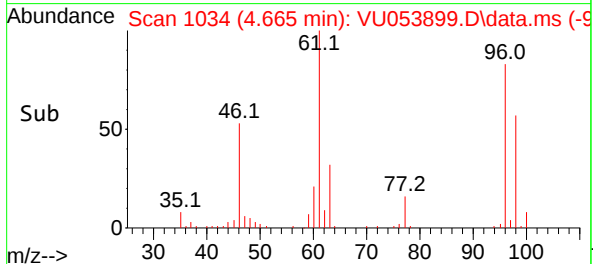
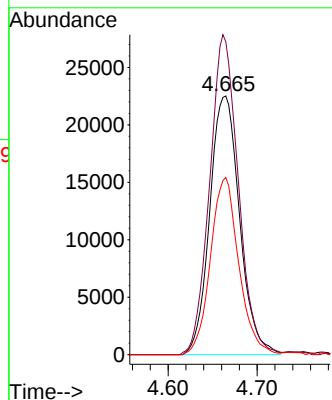
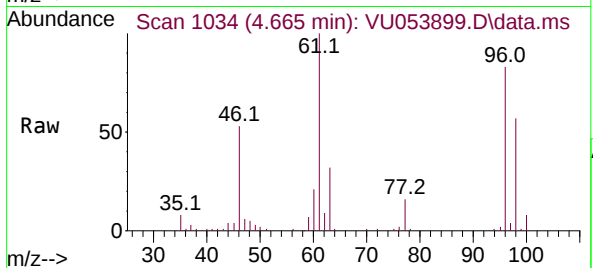
Tgt Ion: 96 Resp: 52524

Ion Ratio Lower Upper

96 100

61 120.9 84.3 156.5

98 68.4 46.4 86.2



#23

Bromochloromethane

Concen: 5.081 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Tgt Ion:128 Resp: 23751

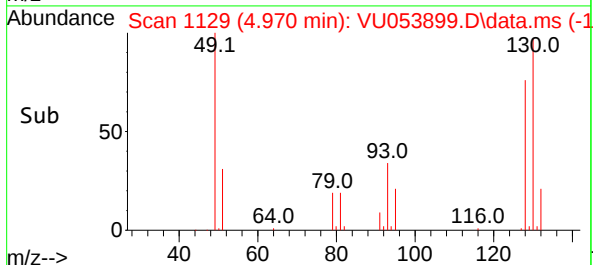
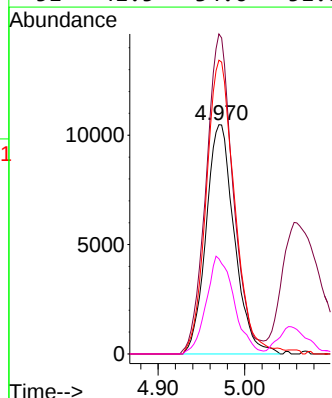
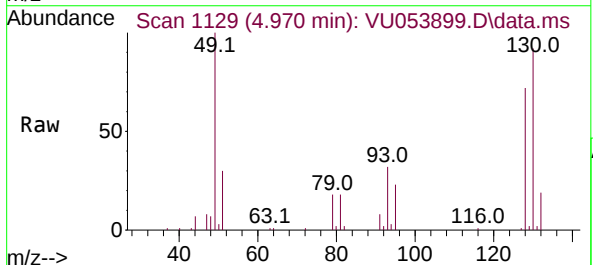
Ion Ratio Lower Upper

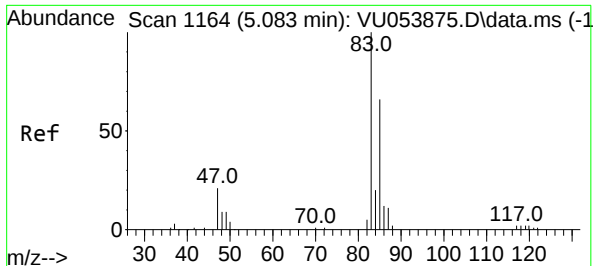
128 100

49 139.6 91.3 169.5

130 128.2 87.6 162.8

51 41.5 34.6 51.8





#25

Chloroform

Concen: 5.175 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

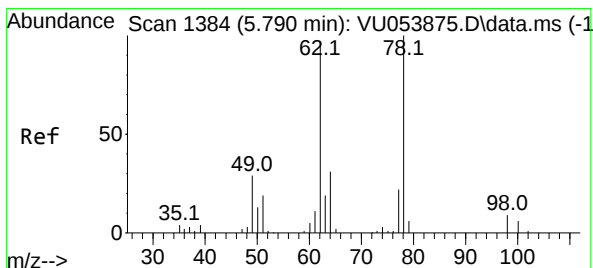
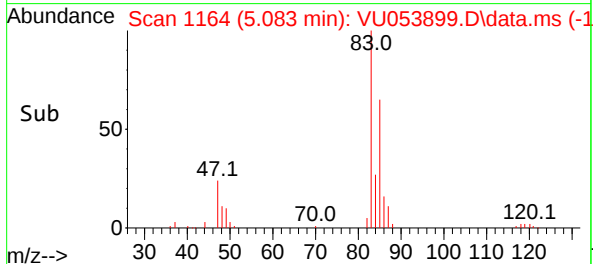
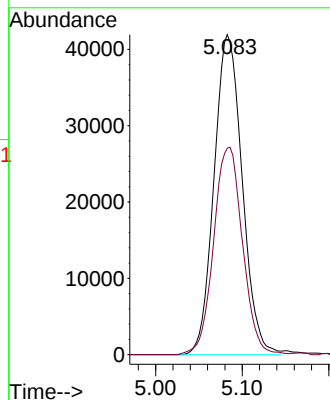
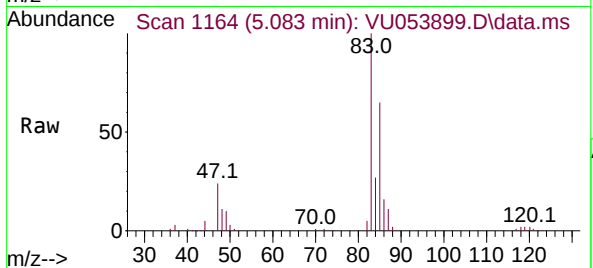
VSTD005161

Tgt Ion: 83 Resp: 94705

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.894 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053899.D

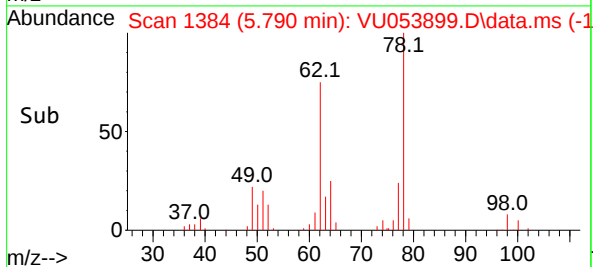
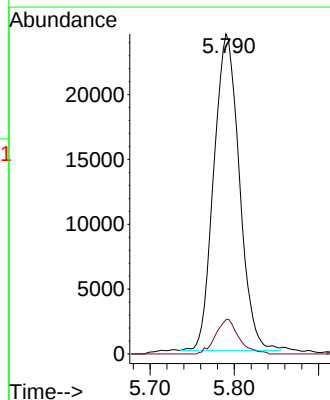
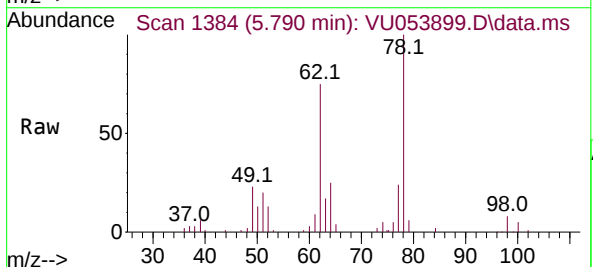
Acq: 25 Apr 2023 21:16

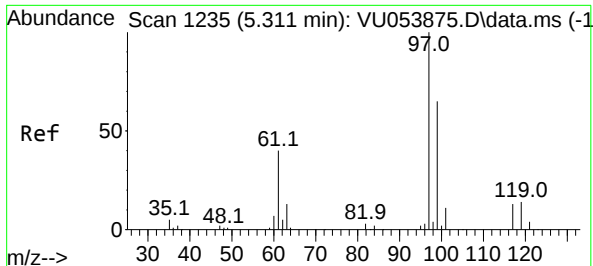
Tgt Ion: 62 Resp: 51343

Ion Ratio Lower Upper

62 100

98 10.7 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.159 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

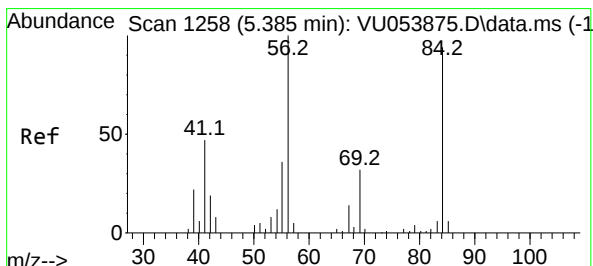
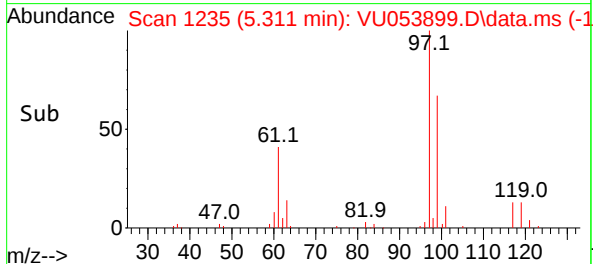
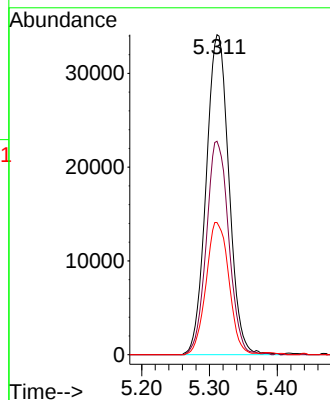
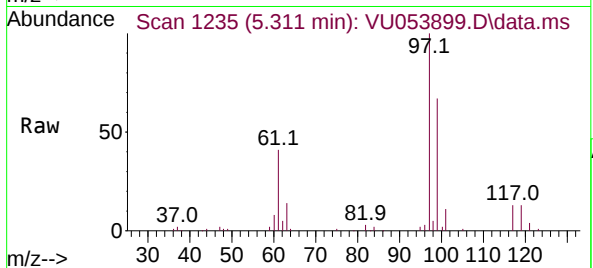
Tgt Ion: 97 Resp: 79510

Ion Ratio Lower Upper

97 100

99 65.7 52.9 79.3

61 41.5 33.8 50.8



#30

Cyclohexane

Concen: 4.903 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

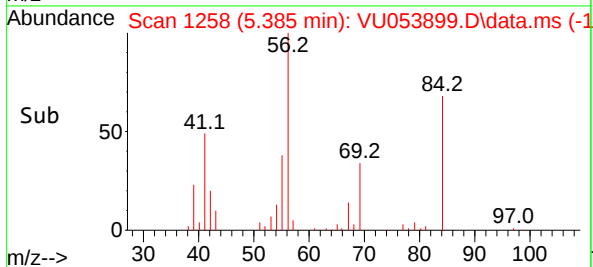
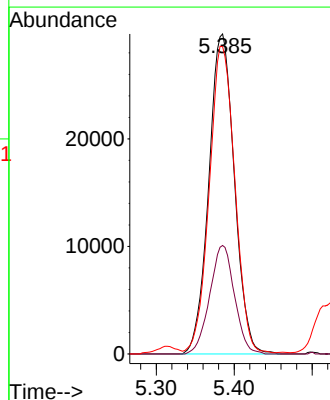
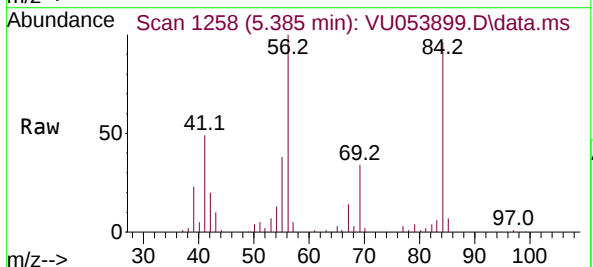
Tgt Ion: 56 Resp: 67895

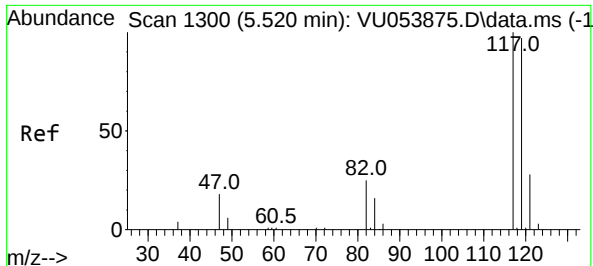
Ion Ratio Lower Upper

56 100

69 32.8 27.0 40.4

84 95.6 78.0 117.0

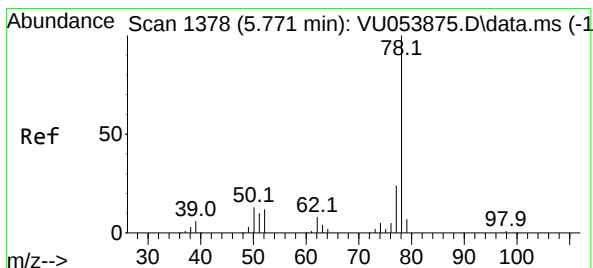
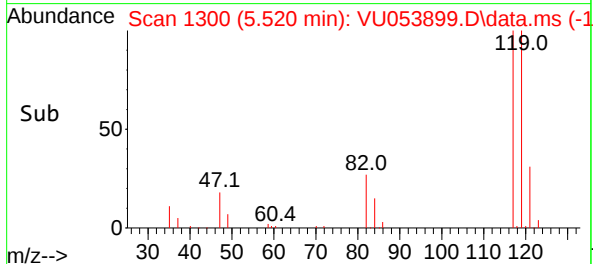
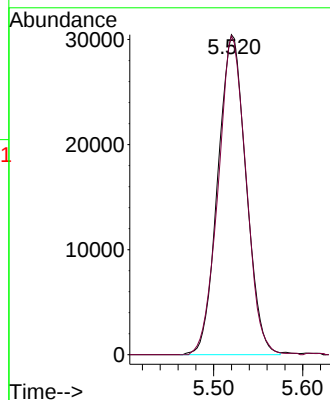
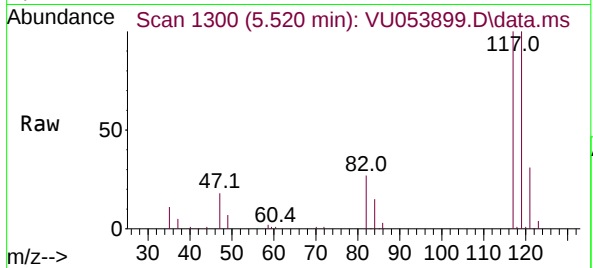




#31
Carbon tetrachloride
Concen: 4.996 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

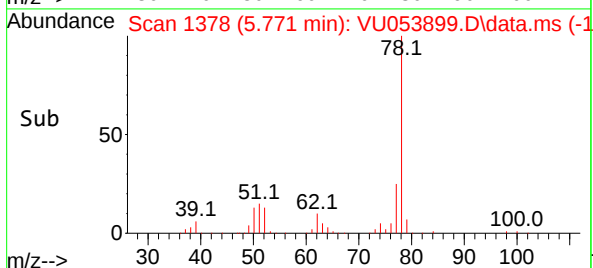
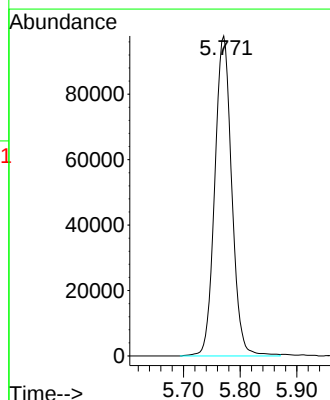
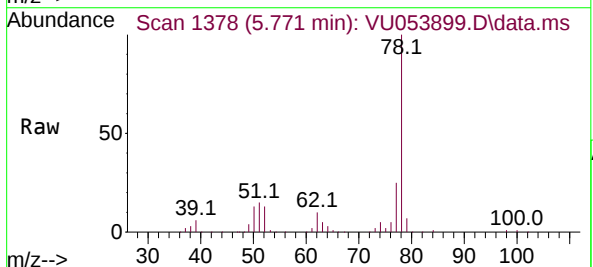
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

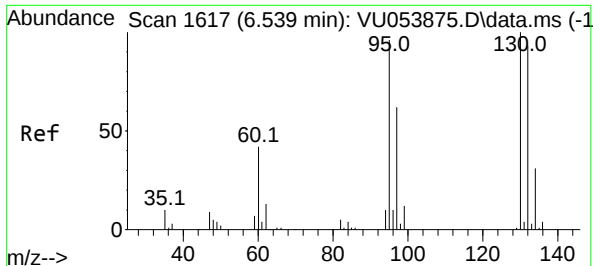
Tgt Ion:117 Resp: 66924
Ion Ratio Lower Upper
117 100
119 98.4 75.0 112.6



#33
Benzene
Concen: 5.272 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 78 Resp: 203719

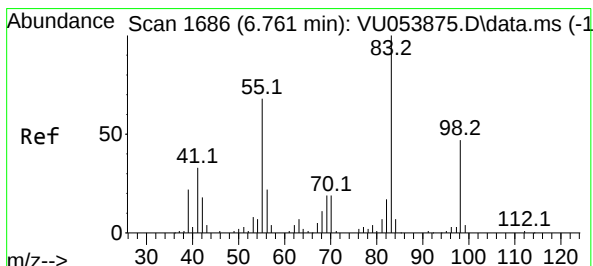
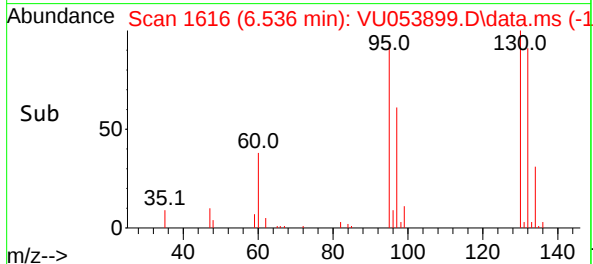
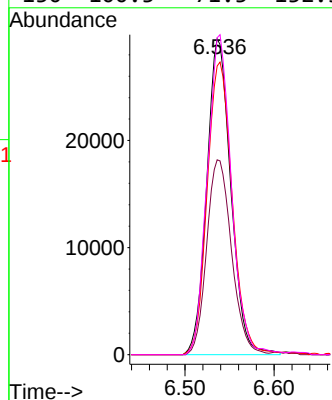
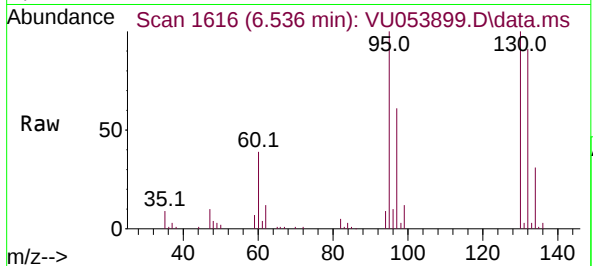




#34
Trichloroethene
Concen: 5.259 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

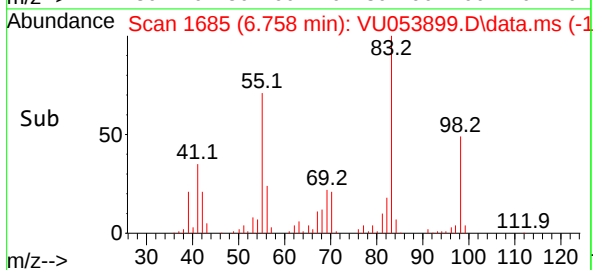
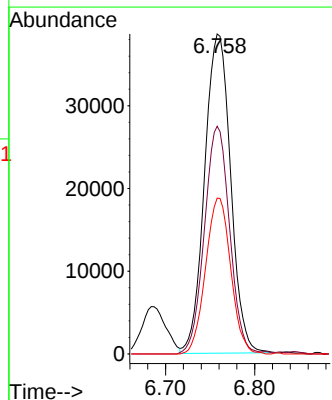
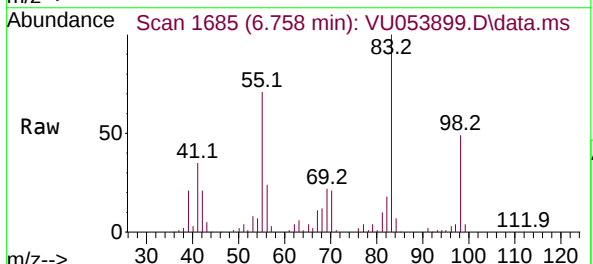
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

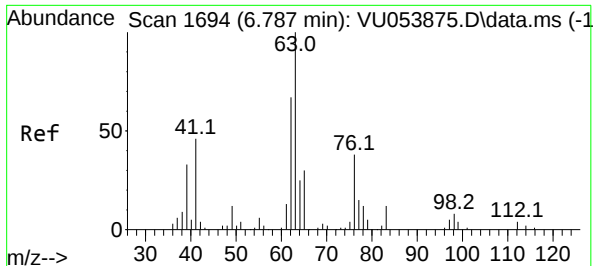
Tgt Ion: 95 Resp: 55375
Ion Ratio Lower Upper
95 100
97 61.7 45.1 83.9
132 91.4 69.9 129.9
130 100.3 71.3 132.3



#35
Methylcyclohexane
Concen: 4.812 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 83 Resp: 78269
Ion Ratio Lower Upper
83 100
55 69.3 55.4 83.2
98 47.1 37.3 55.9





#37

1,2-Dichloropropane

Concen: 5.261 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

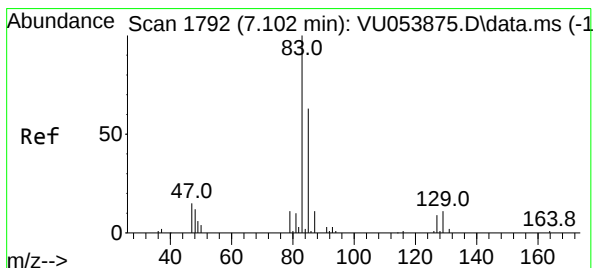
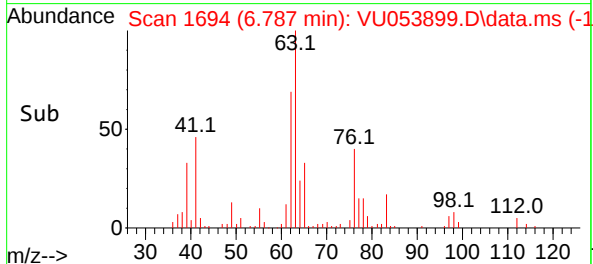
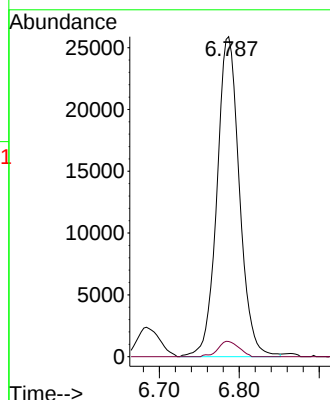
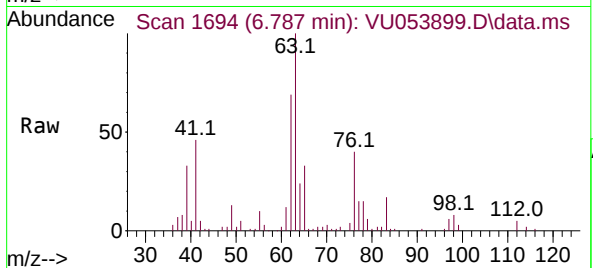
VSTD005161

Tgt Ion: 63 Resp: 50441

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 5.080 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

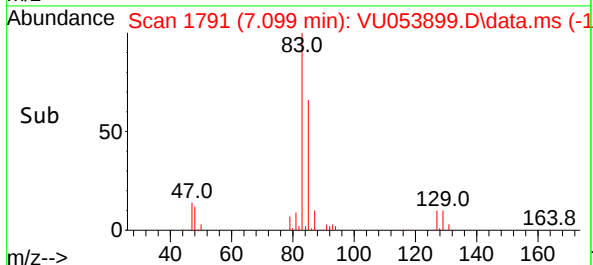
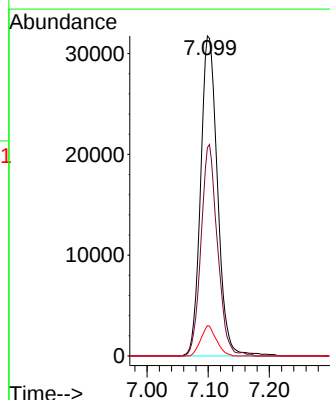
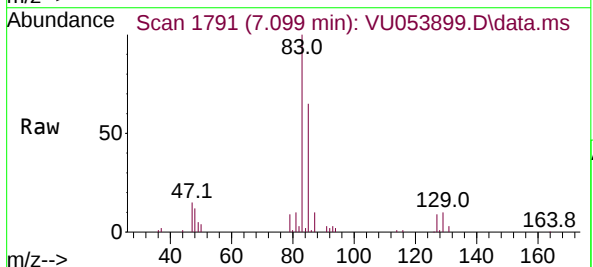
Tgt Ion: 83 Resp: 60877

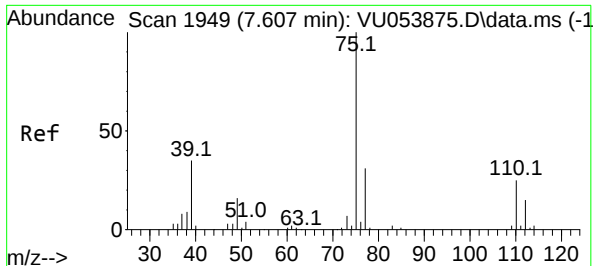
Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0

127 9.4 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 4.859 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

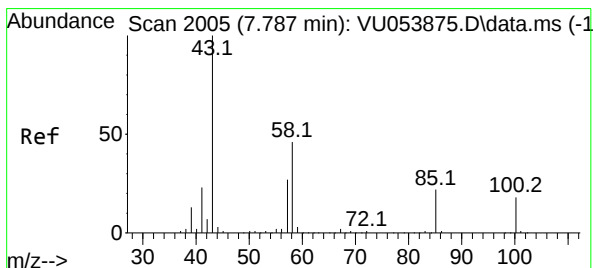
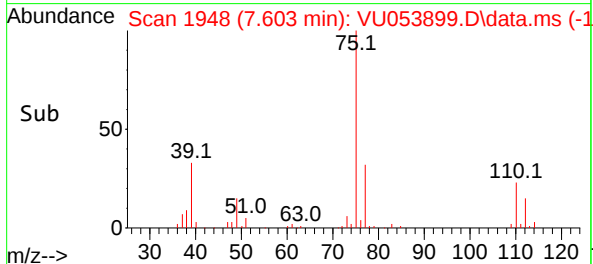
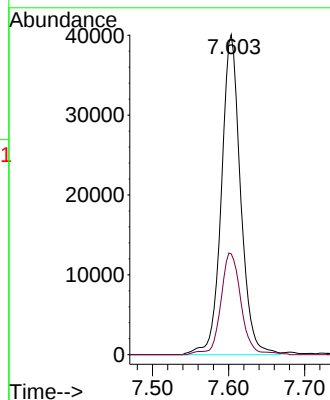
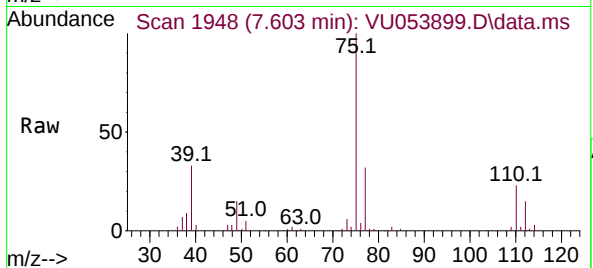
VSTD005161

Tgt Ion: 75 Resp: 70249

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 51.033 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

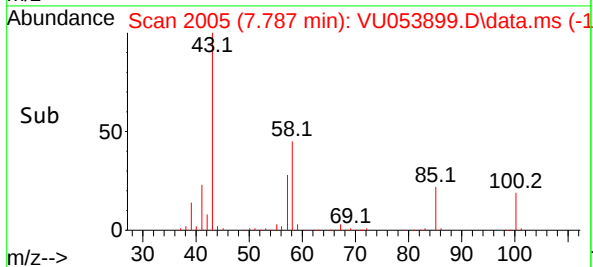
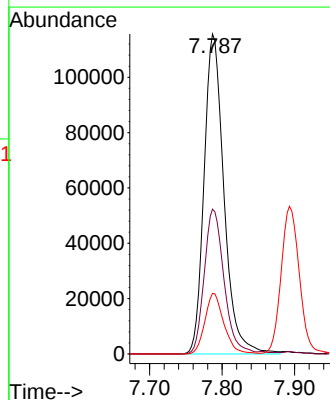
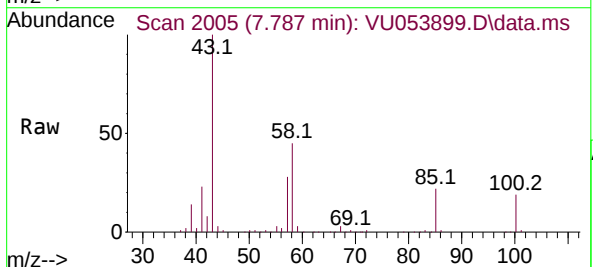
Tgt Ion: 43 Resp: 220700

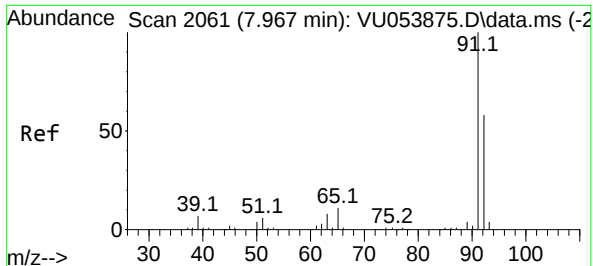
Ion Ratio Lower Upper

43 100

58 44.9 36.0 54.0

100 18.1 15.1 22.7





#42

Toluene

Concen: 5.236 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

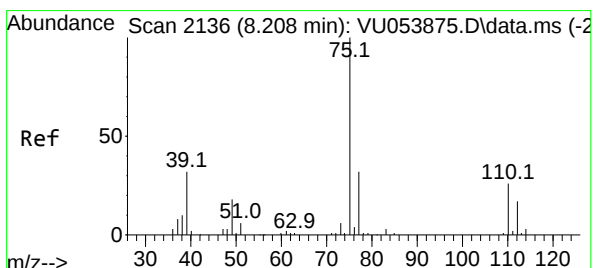
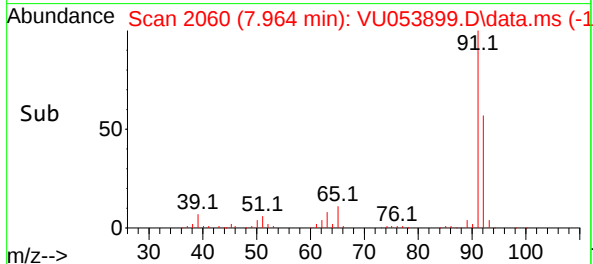
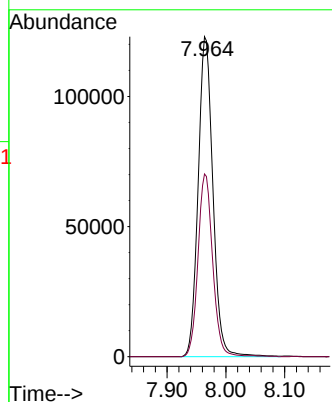
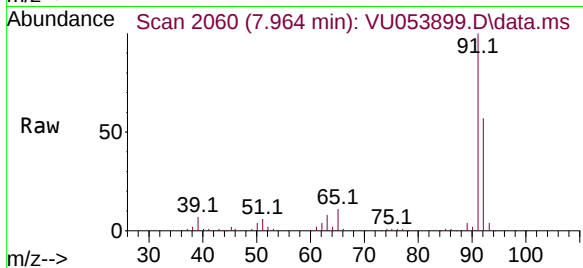
VSTD005161

Tgt Ion: 91 Resp: 214550

Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.834 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053899.D

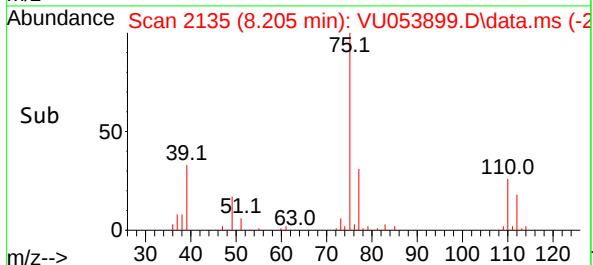
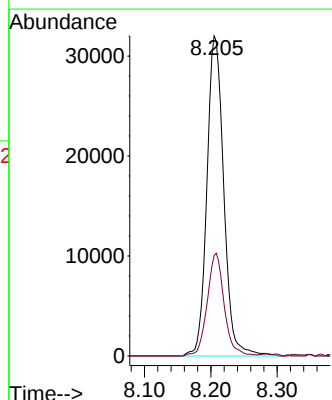
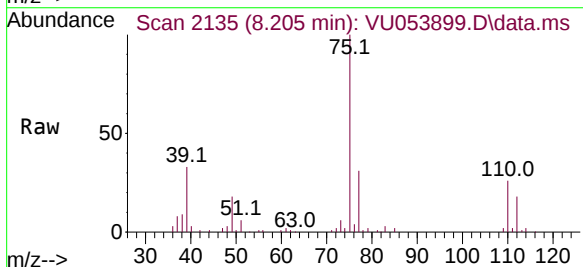
Acq: 25 Apr 2023 21:16

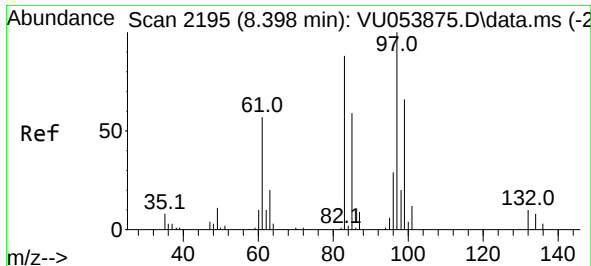
Tgt Ion: 75 Resp: 56511

Ion Ratio Lower Upper

75 100

77 31.4 23.3 43.3

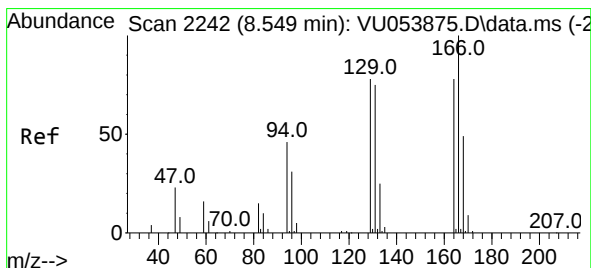
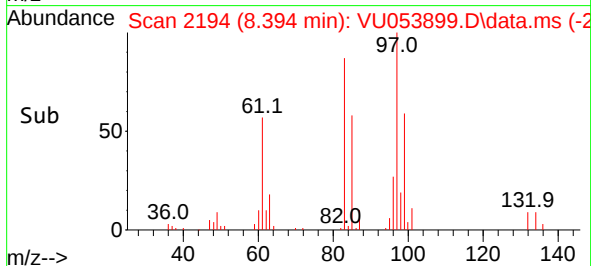
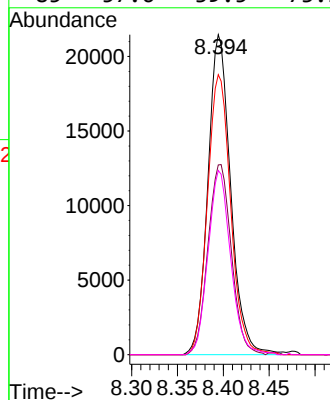
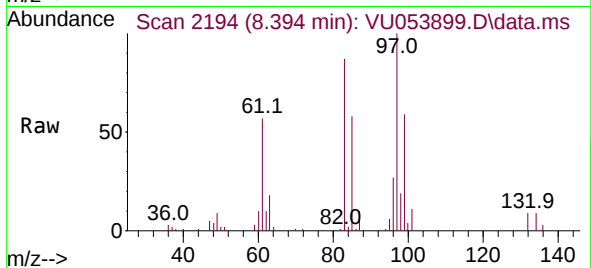




#45
1,1,2-Trichloroethane
Concen: 5.164 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

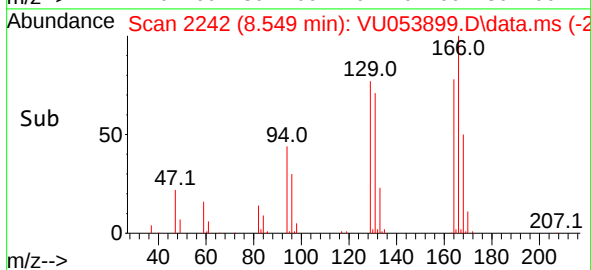
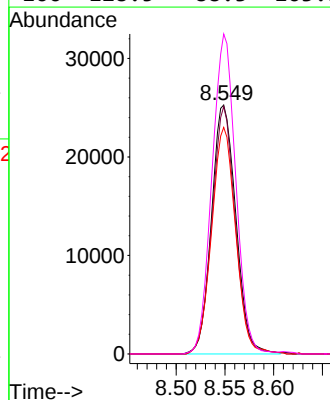
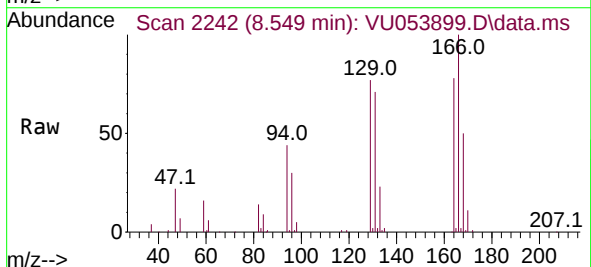
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

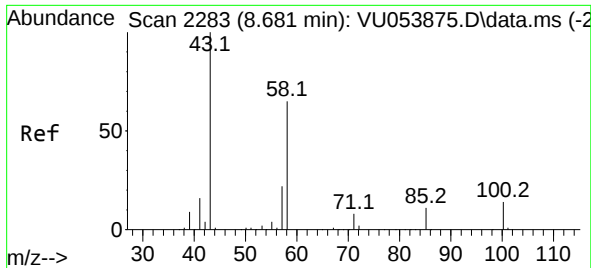
Tgt Ion:	97	Resp:	37107
Ion	Ratio	Lower	Upper
97	100		
99	59.3	44.7	83.1
83	87.5	59.8	111.1
85	57.6	39.5	73.3



#47
Tetrachloroethene
Concen: 5.265 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:	164	Resp:	43944
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.3	126.8
131	91.0	64.4	119.6
166	128.5	88.3	163.9

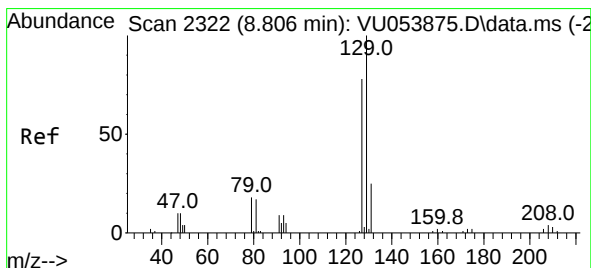
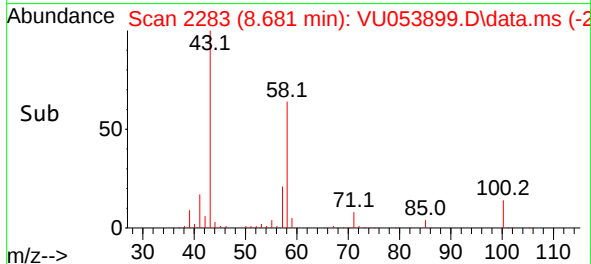
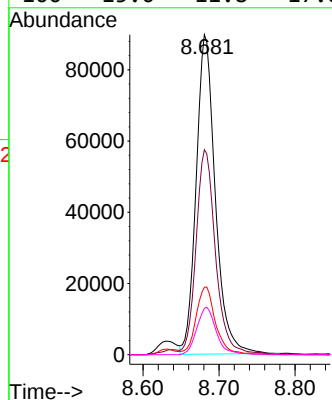
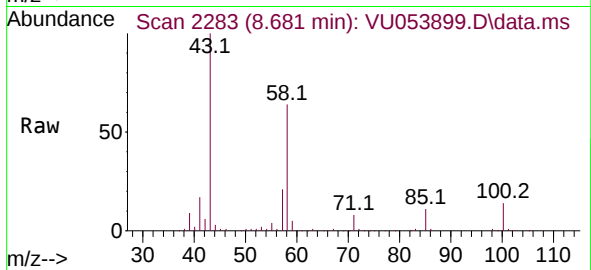




#48
2-Hexanone
Concen: 47.785 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

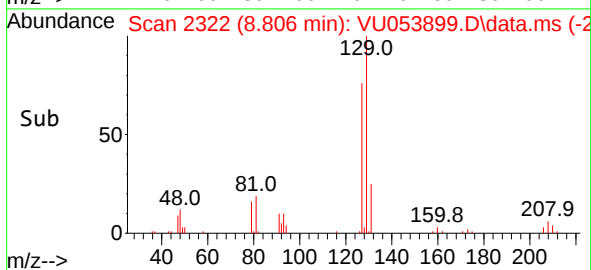
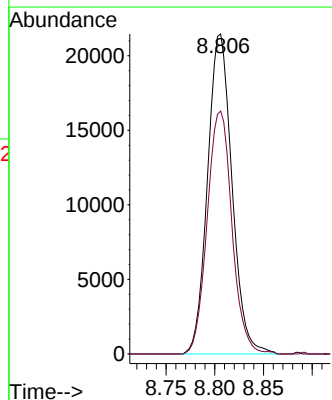
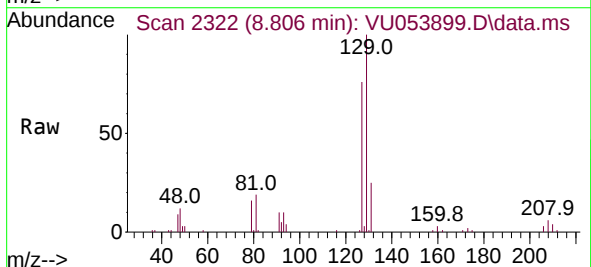
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

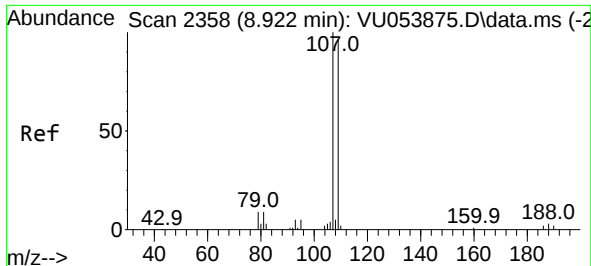
Tgt Ion: 43	Resp: 157073
Ion Ratio	Lower Upper
43 100	
58 64.8	49.8 74.6
57 21.6	16.9 25.3
100 15.0	11.8 17.8



#49
Dibromochloromethane
Concen: 4.922 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:129	Resp:	37448	
Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.405 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

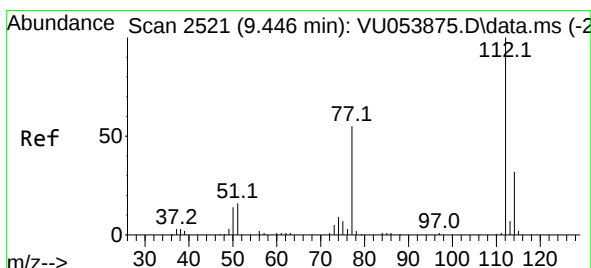
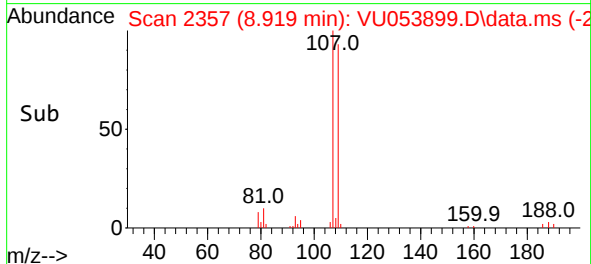
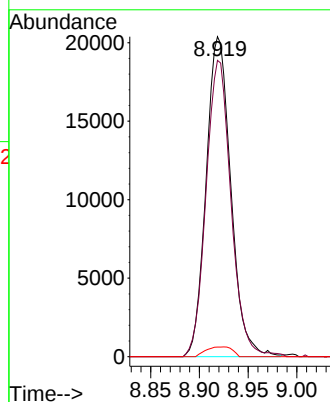
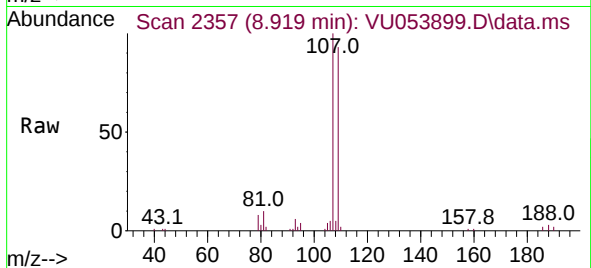
Tgt Ion:107 Resp: 35930

Ion Ratio Lower Upper

107 100

109 92.6 64.3 119.5

188 3.0 2.1 3.1



#51

Chlorobenzene

Concen: 4.992 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

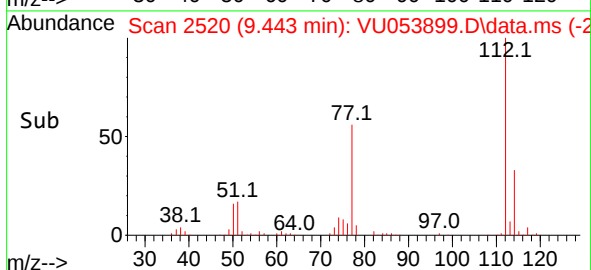
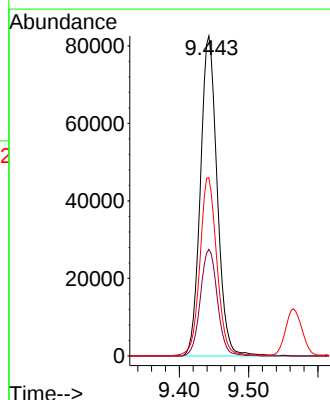
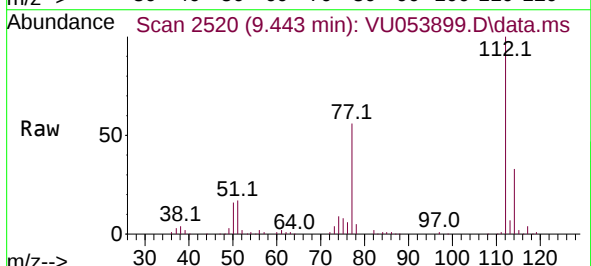
Tgt Ion:112 Resp: 138881

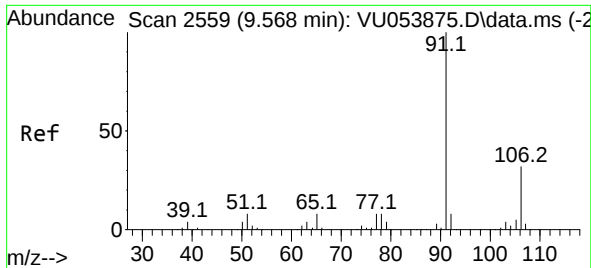
Ion Ratio Lower Upper

112 100

114 33.3 23.0 42.6

77 55.7 44.4 66.6

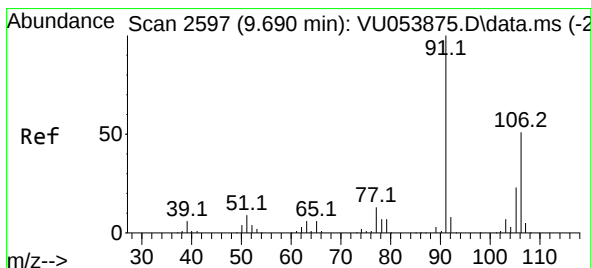
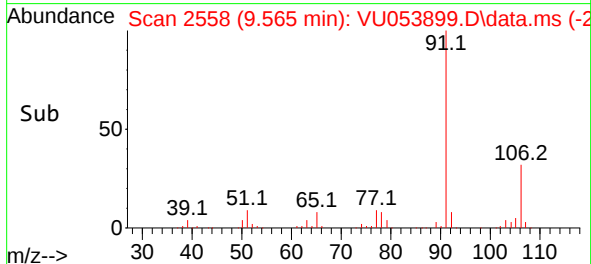
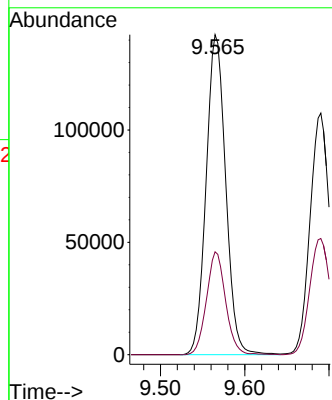
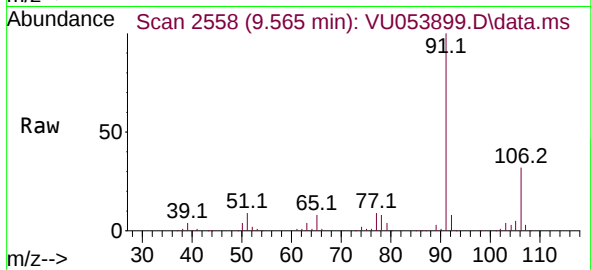




#52
Ethylbenzene
Concen: 5.108 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

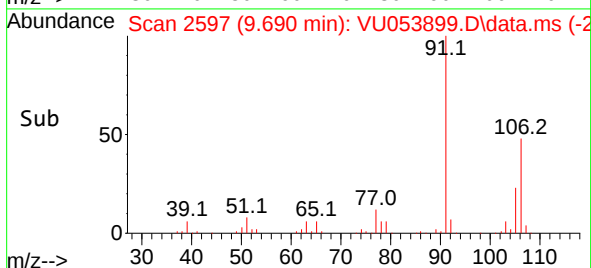
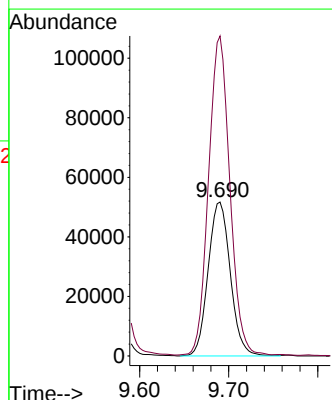
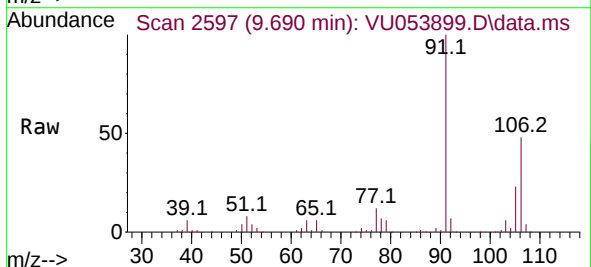
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

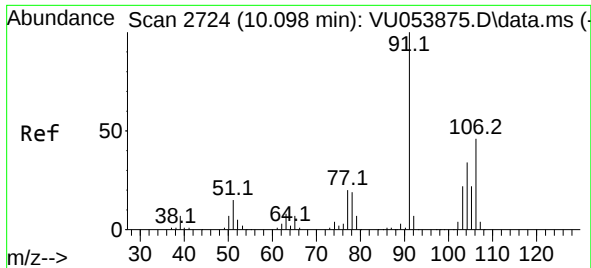
Tgt Ion: 91 Resp: 229834
Ion Ratio Lower Upper
91 100
106 32.2 22.8 42.4



#53
m,p-Xylene
Concen: 5.186 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 106 Resp: 89424
Ion Ratio Lower Upper
106 100
91 207.9 142.2 264.0

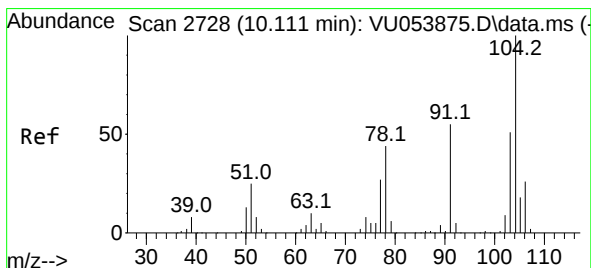
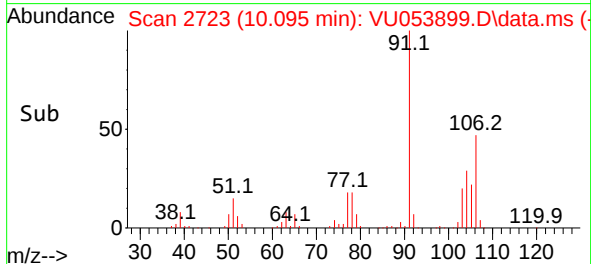
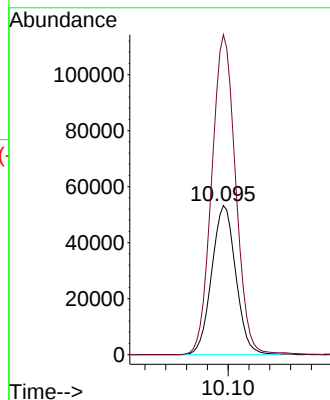
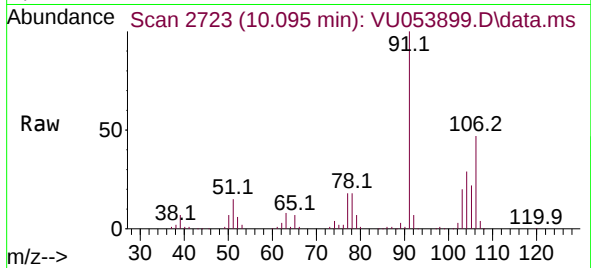




#54
o-Xylene
Concen: 5.153 ug/L
RT: 10.095 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

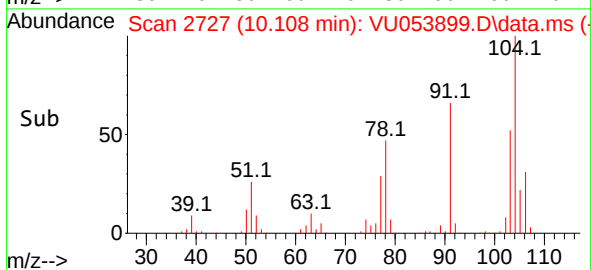
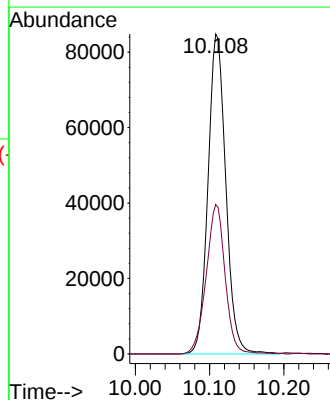
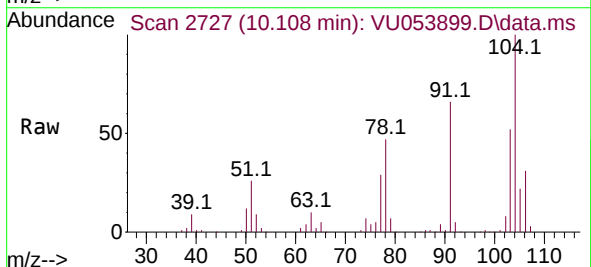
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

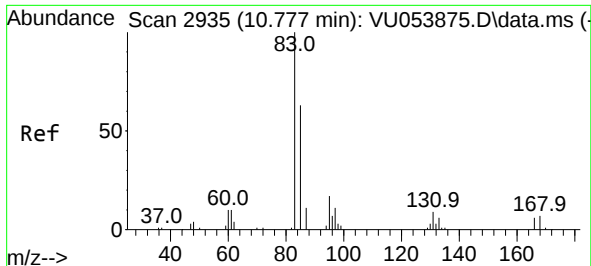
Tgt Ion:106 Resp: 85741
Ion Ratio Lower Upper
106 100
91 214.6 145.5 270.1



#55
Styrene
Concen: 5.185 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:104 Resp: 141140
Ion Ratio Lower Upper
104 100
78 46.7 30.9 57.5

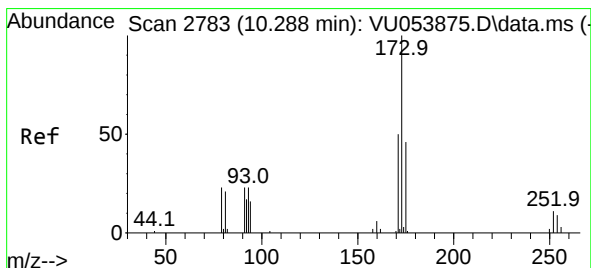
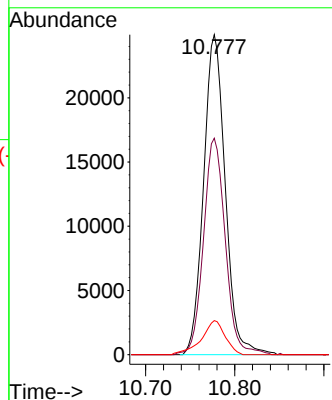
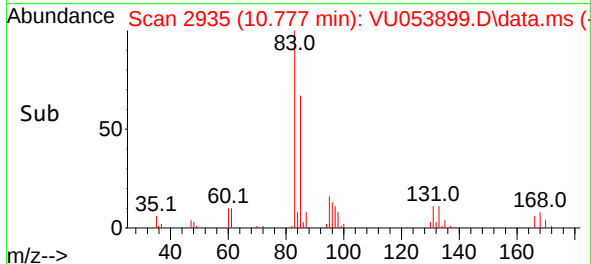
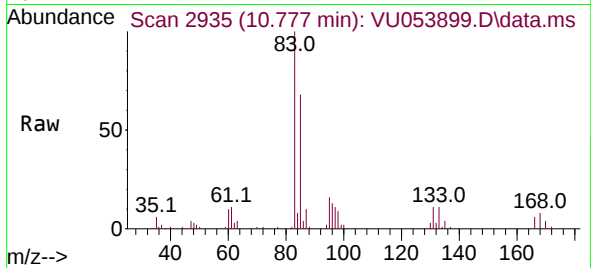




#57
1,1,2,2-Tetrachloroethane
Concen: 4.906 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

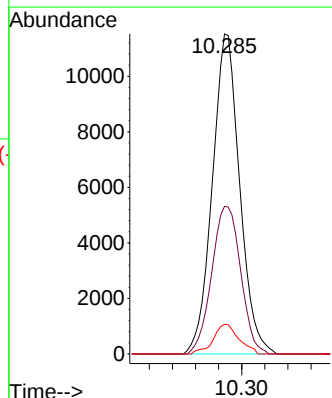
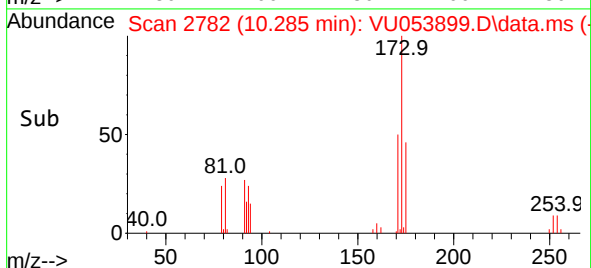
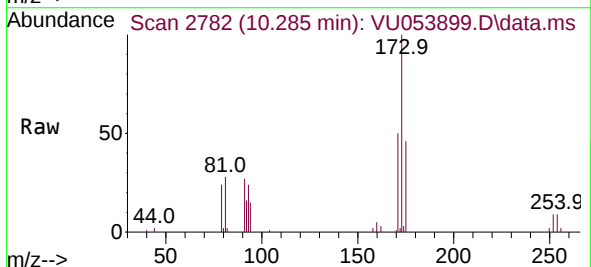
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

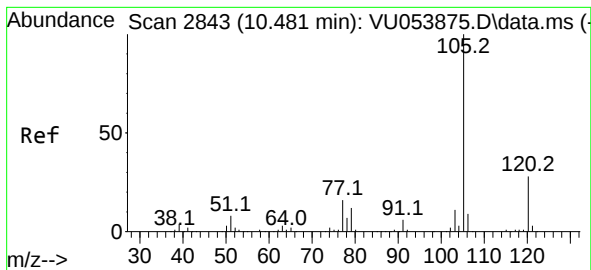
Tgt Ion: 83 Resp: 42031
Ion Ratio Lower Upper
83 100
85 67.6 43.5 80.9
131 10.7 7.8 11.6



#59
Bromoform
Concen: 4.369 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion: 173 Resp: 18913
Ion Ratio Lower Upper
173 100
175 48.8 37.4 56.2
254 8.7 7.1 10.7





#60

Isopropylbenzene

Concen: 4.957 ug/L

RT: 10.478 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

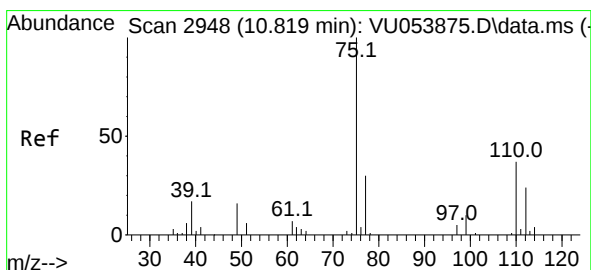
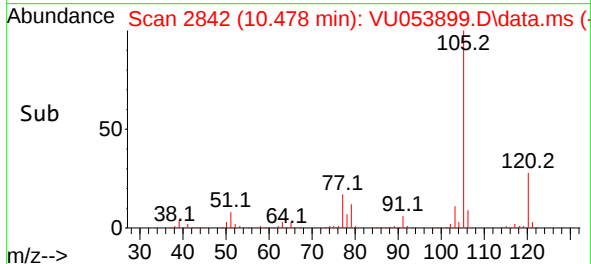
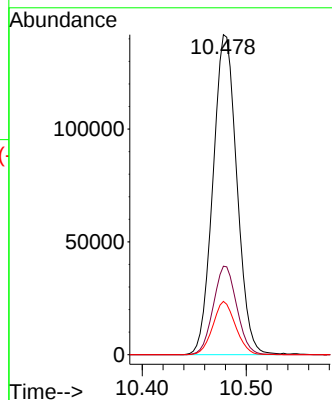
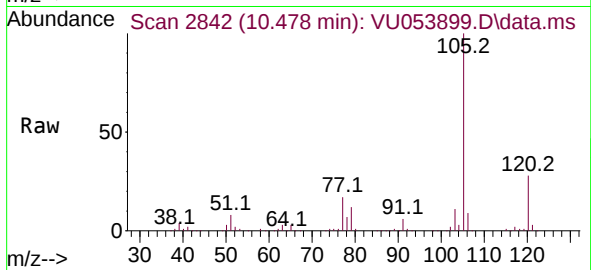
Tgt Ion:105 Resp: 226943

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

77 15.8 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.951 ug/L

RT: 10.816 min Scan# 2947

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

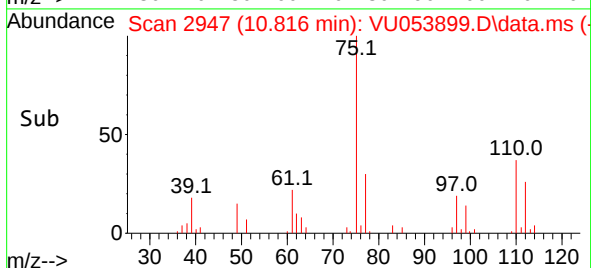
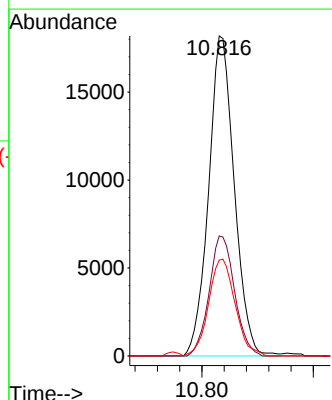
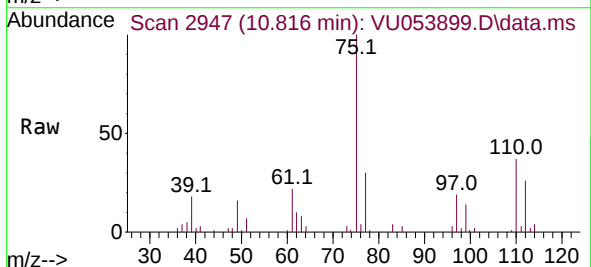
Tgt Ion: 75 Resp: 29069

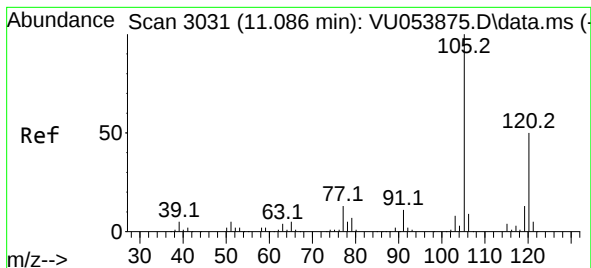
Ion Ratio Lower Upper

75 100

110 37.2 30.7 46.1

77 31.2 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.937 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

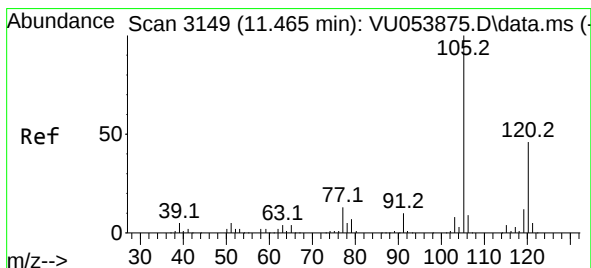
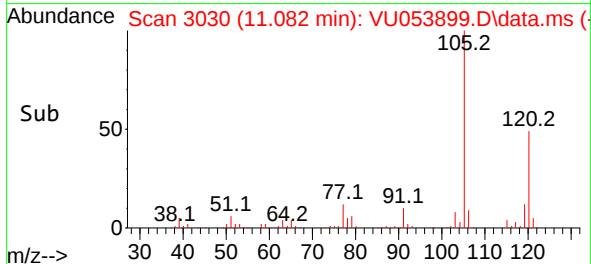
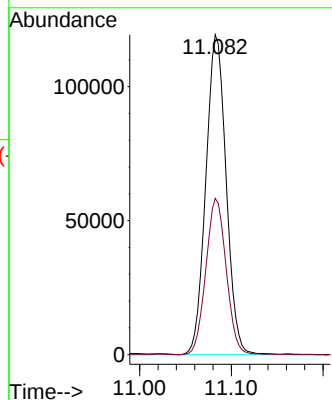
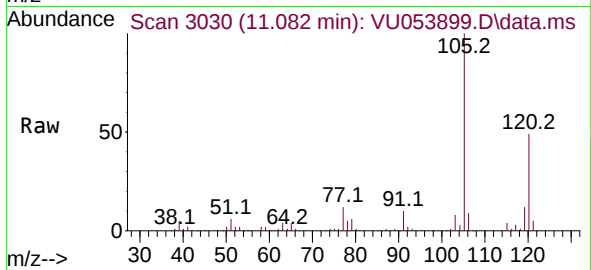
VSTD005161

Tgt Ion:105 Resp: 183731

Ion Ratio Lower Upper

105 100

120 49.0 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 4.887 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU053899.D

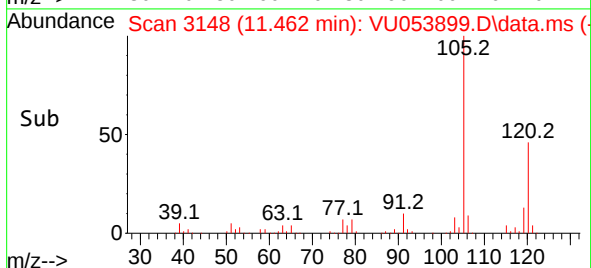
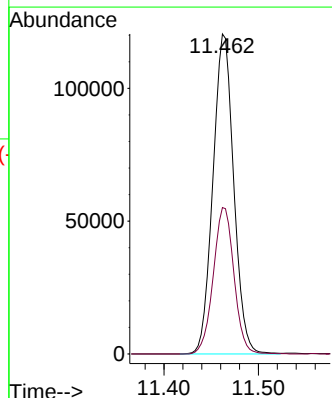
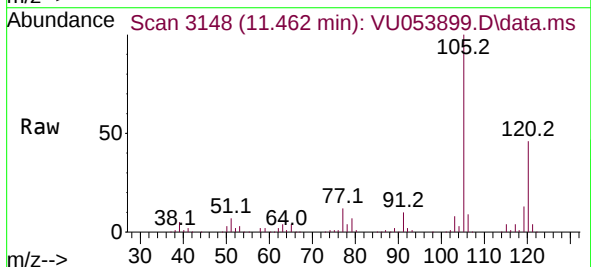
Acq: 25 Apr 2023 21:16

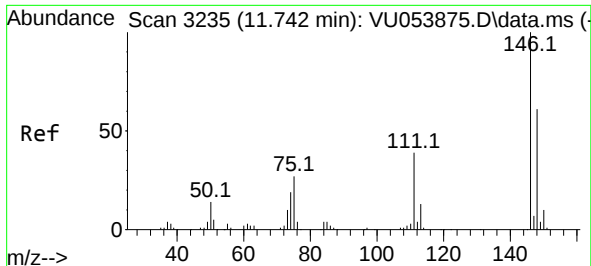
Tgt Ion:105 Resp: 184036

Ion Ratio Lower Upper

105 100

120 45.6 37.1 55.7

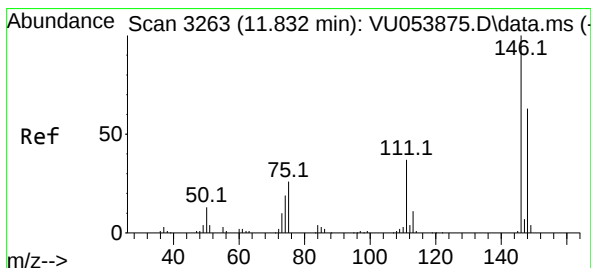
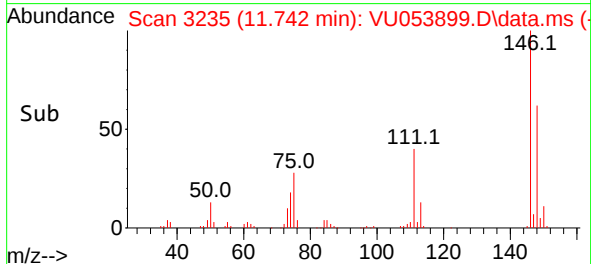
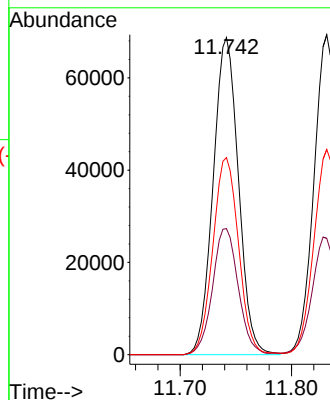
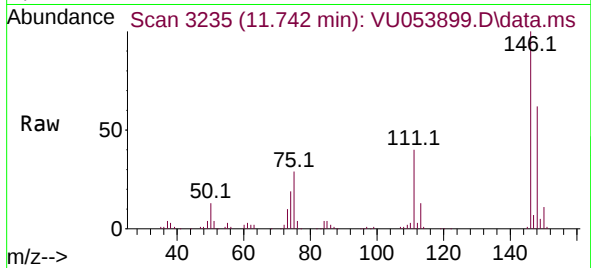




#64
1,3-Dichlorobenzene
Concen: 4.741 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

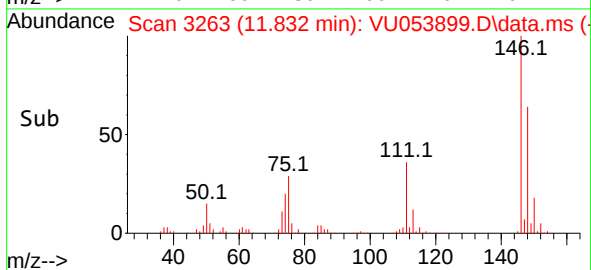
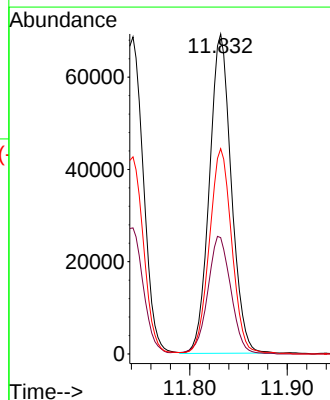
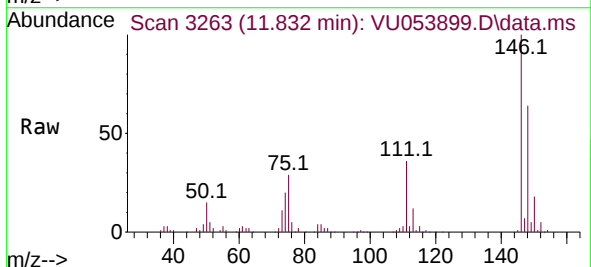
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

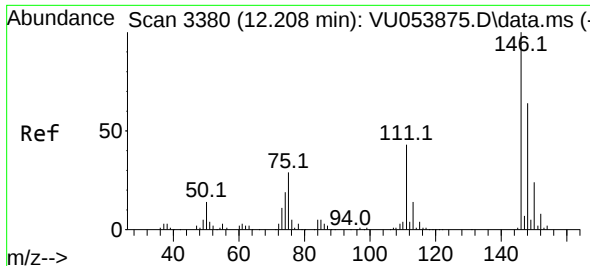
Tgt Ion:146 Resp: 108470
Ion Ratio Lower Upper
146 100
111 39.8 27.9 51.9
148 62.2 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.678 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:146 Resp: 108140
Ion Ratio Lower Upper
146 100
111 36.3 28.3 52.7
148 64.2 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.820 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD005161

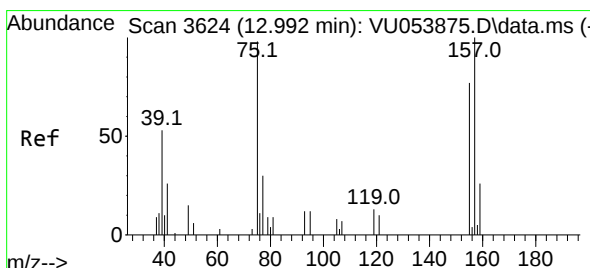
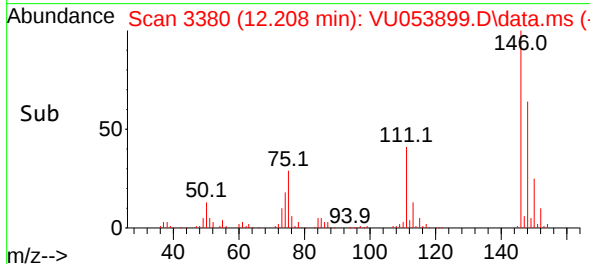
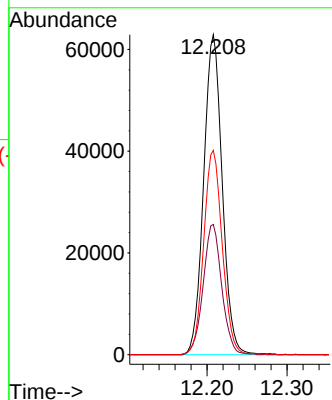
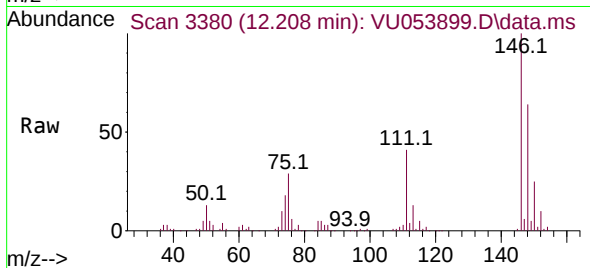
Tgt Ion:146 Resp: 101848

Ion Ratio Lower Upper

146 100

111 40.7 32.6 49.0

148 63.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.390 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053899.D

Acq: 25 Apr 2023 21:16

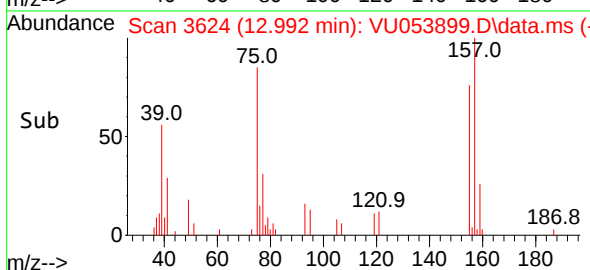
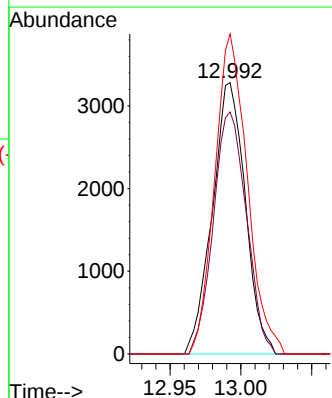
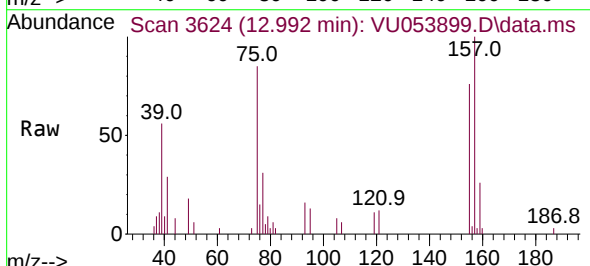
Tgt Ion: 75 Resp: 5311

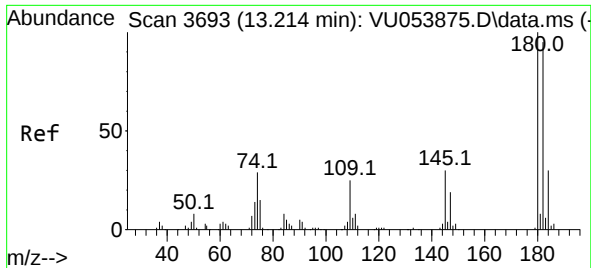
Ion Ratio Lower Upper

75 100

155 89.2 72.8 109.2

157 117.9 89.1 133.7

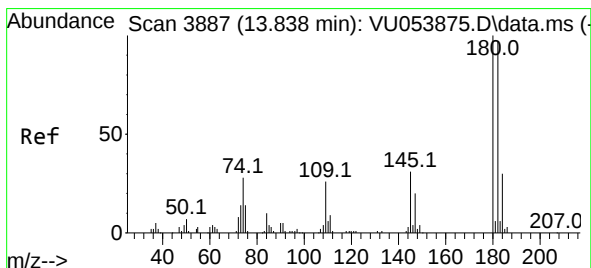
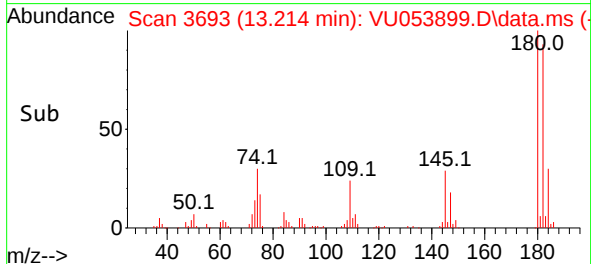
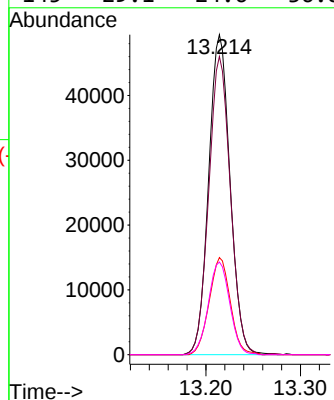
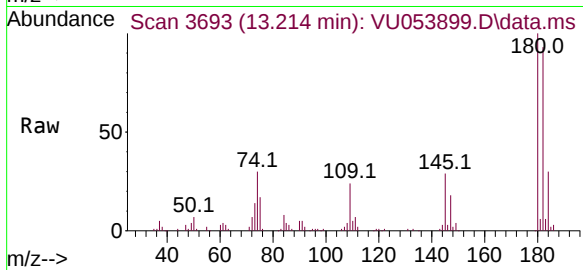




#69
1,3,5-Trichlorobenzene
Concen: 4.727 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

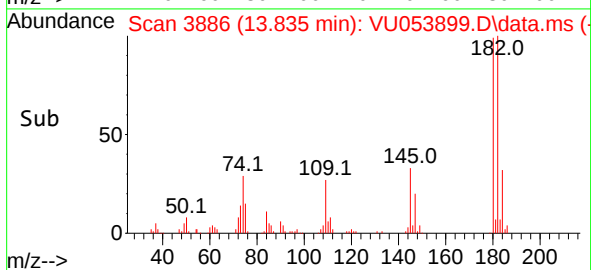
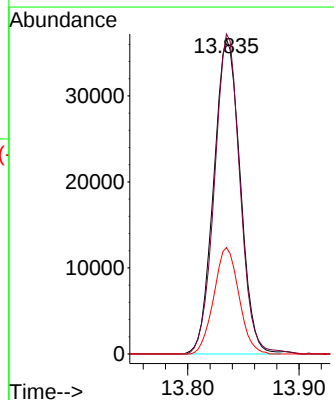
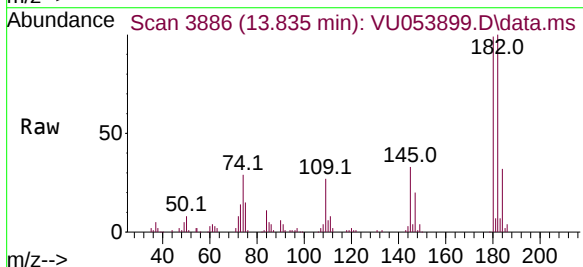
Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

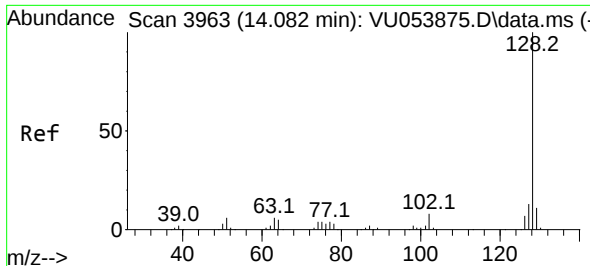
Tgt Ion:180	Resp:	77433
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.1 112.7
184	30.1	24.2 36.2
145	29.1	24.6 36.8



#70
1,2,4-trichlorobenzene
Concen: 4.050 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:180	Resp:	60393
Ion Ratio	Lower	Upper
180	100	
182	97.8	75.5 113.3
145	32.1	25.8 38.6

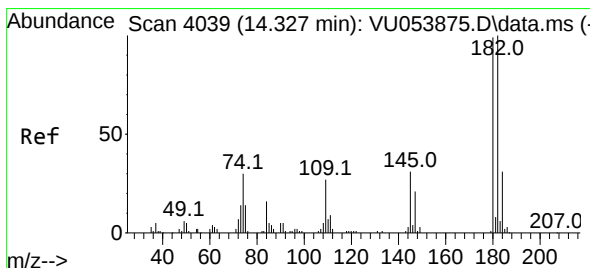
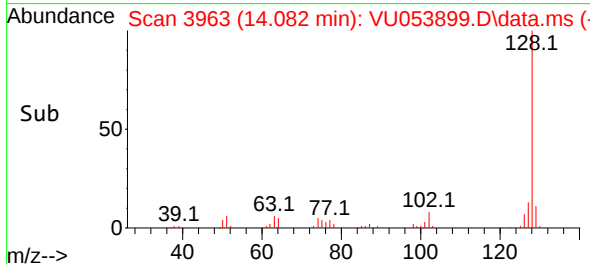
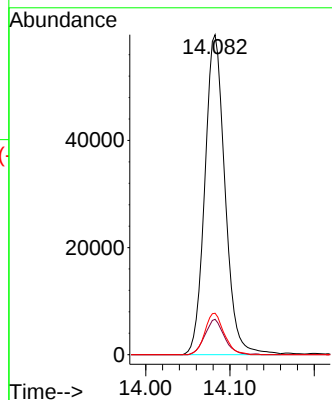
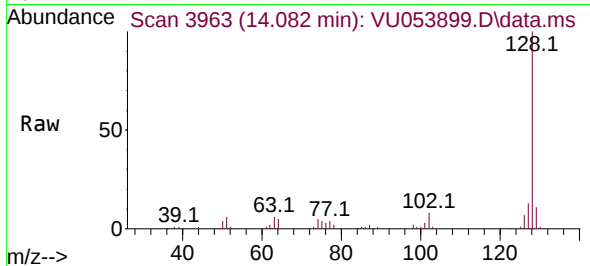




#71
Naphthalene
Concen: 3.782 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD005161

Tgt Ion:128	Resp:	99685
Ion	Ratio	Lower Upper
128	100	
129	10.6	8.5 12.7
127	12.4	10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.138 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053899.D
Acq: 25 Apr 2023 21:16

Tgt Ion:180	Resp:	55064
Ion	Ratio	Lower Upper
180	100	
182	96.1	77.4 116.2
145	31.9	26.8 40.2

