

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052523.D
 Acq On : 23 Dec 2022 04:21
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

Quant Time: Dec 23 06:46:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	233355	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	220067	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	113005	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86729	3.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.916	69	80506	3.949	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.568	65	37145	3.651	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.000%
20) 2-Butanone-d5	4.649	46	385015	52.517	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.040%
24) Chloroform-d	5.060	84	166011	4.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.700	65	97682	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.726	84	340263	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.687	67	117772	4.535	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.893	98	298692	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.176	79	42541	4.783	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.632	63	284494	58.469	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.940%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	104005	4.717	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	108564	4.719	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	77659	3.740	ug/L	100
3) Chloromethane	1.520	50	124375	4.150	ug/L	99
5) Vinyl chloride	1.604	62	113211	4.167	ug/L	98
6) Bromomethane	1.858	94	61038	3.941	ug/L	99
8) Chloroethane	1.935	64	74828	4.021	ug/L	99
9) Trichlorofluoromethane	2.141	101	121893	3.968	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	71373	3.909	ug/L	98
12) 1,1-Dichloroethene	2.581	96	73832	4.225	ug/L	90
13) Acetone	2.674	43	220212	40.746	ug/L	97
14) Carbon disulfide	2.793	76	235093	4.175	ug/L	99
15) Methyl Acetate	2.964	43	57168	4.801	ug/L	96
16) Methylene chloride	3.044	84	116308	4.711	ug/L	97
17) Methyl tert-butyl Ether	3.363	73	237972	5.101	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	82643	4.588	ug/L	97
19) 1,1-Dichloroethane	3.867	63	173638	4.433	ug/L	99
21) 2-Butanone	4.726	43	403771	50.728	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	94229	4.767	ug/L	99
23) Bromochloromethane	4.973	128	43009	4.695	ug/L	95
25) Chloroform	5.086	83	165997	4.374	ug/L	99

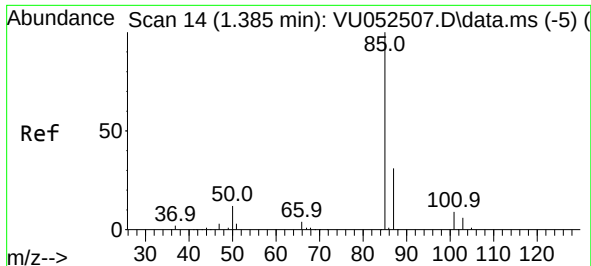
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	117218	4.470	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	126991	4.585	ug/L	97
30) Cyclohexane	5.385	56	140507	4.694	ug/L	100
31) Carbon tetrachloride	5.520	117	102334	4.205	ug/L	99
33) Benzene	5.771	78	381004	4.807	ug/L	100
34) Trichloroethene	6.539	95	90126	4.864	ug/L	98
35) Methylcyclohexane	6.761	83	127942	4.579	ug/L	96
37) 1,2-Dichloropropane	6.787	63	105575	4.773	ug/L	100
38) Bromodichloromethane	7.102	83	122022	4.533	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	137659	4.914	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	892389	55.210	ug/L	97
42) Toluene	7.967	91	380539	5.007	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	121571	4.925	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	76060	4.855	ug/L	99
47) Tetrachloroethene	8.549	164	63485	4.908	ug/L	99
48) 2-Hexanone	8.684	43	669094	54.917	ug/L	98
49) Dibromochloromethane	8.806	129	80151	4.832	ug/L	99
50) 1,2-Dibromoethane	8.922	107	71012	4.987	ug/L	98
51) Chlorobenzene	9.443	112	236578	4.875	ug/L	99
52) Ethylbenzene	9.565	91	399250	5.076	ug/L	99
53) m,p-Xylene	9.690	106	151212	5.214	ug/L	98
54) o-Xylene	10.095	106	149587	5.380	ug/L	99
55) Styrene	10.111	104	257558	5.325	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	108272	5.000	ug/L	98
59) Bromoform	10.285	173	46912	4.725	ug/L	100
60) Isopropylbenzene	10.478	105	382741	5.226	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	75910	4.684	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	319456	5.288	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	327738	5.389	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	175226	4.822	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	182431	4.854	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	173039	4.819	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	17299	4.715	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	128786	4.813	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	115385	5.124	ug/L	98
71) Naphthalene	14.082	128	245960	5.399	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	113928	5.048	ug/L	100

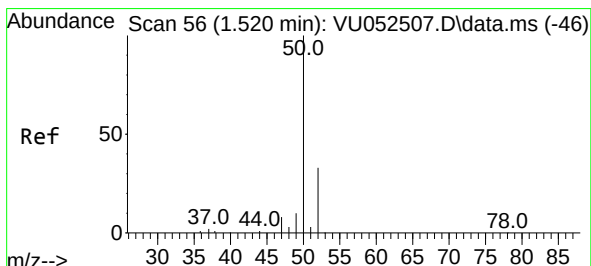
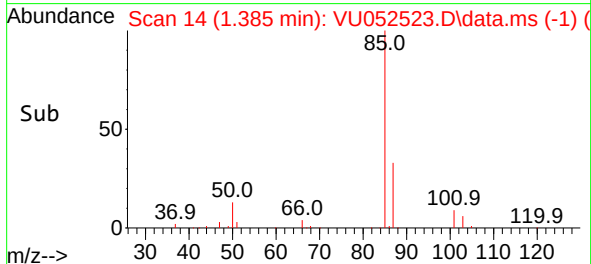
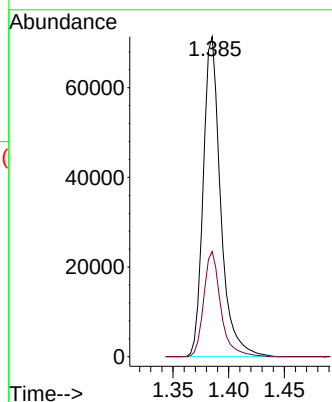
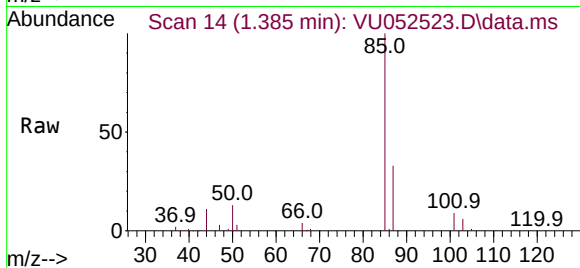
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#2
Dichlorodifluoromethane
Concen: 3.740 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

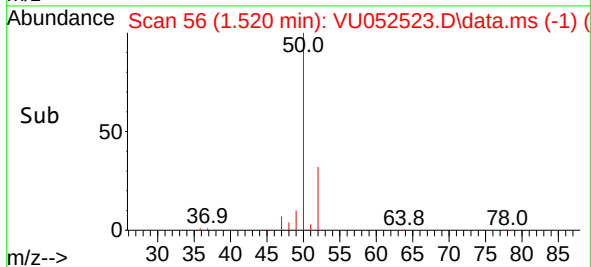
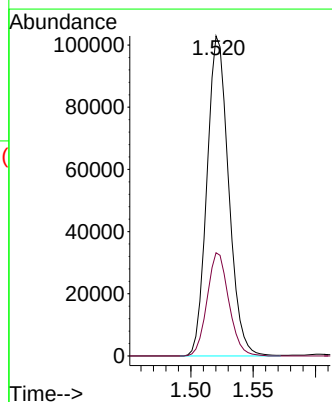
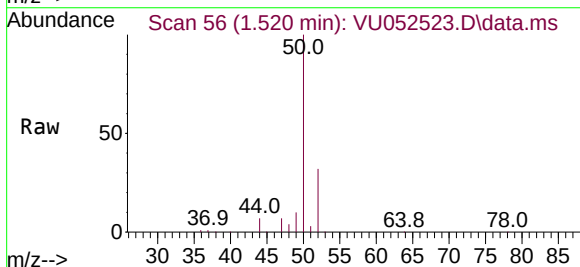
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

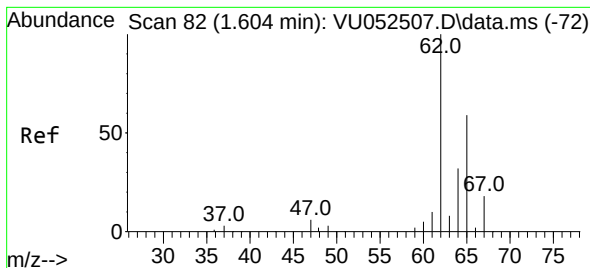
Tgt Ion: 85 Resp: 77659
Ion Ratio Lower Upper
85 100
87 32.3 25.6 38.4



#3
Chloromethane
Concen: 4.150 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 50 Resp: 124375
Ion Ratio Lower Upper
50 100
52 32.3 23.0 42.6





#5

Vinyl chloride

Concen: 4.167 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

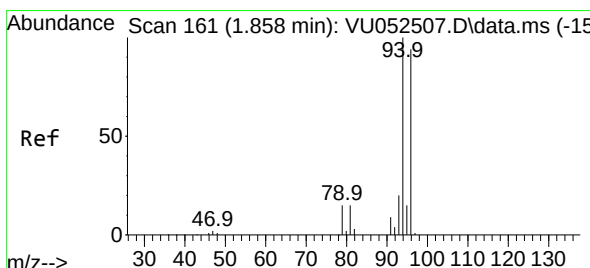
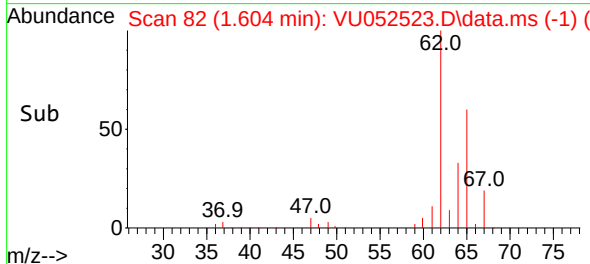
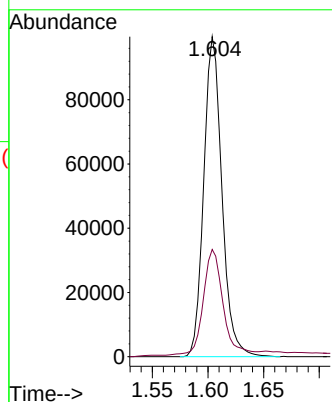
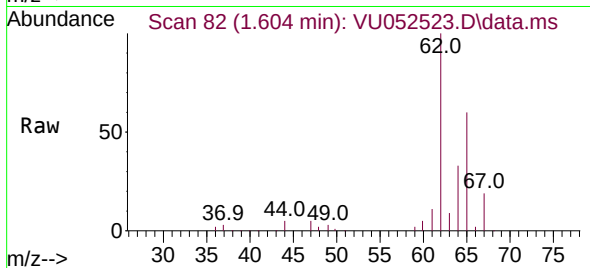
VSTD005115

Tgt Ion: 62 Resp: 113211

Ion Ratio Lower Upper

62 100

64 33.5 24.4 45.4



#6

Bromomethane

Concen: 3.941 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU052523.D

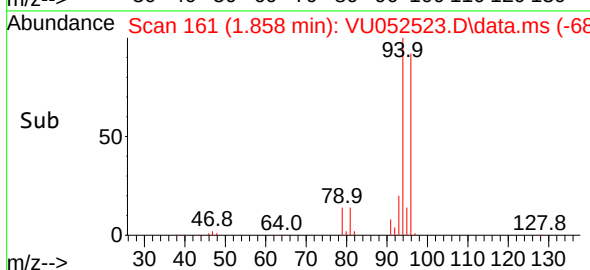
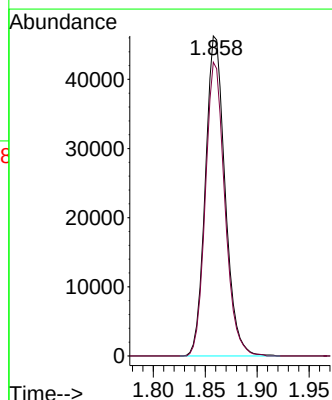
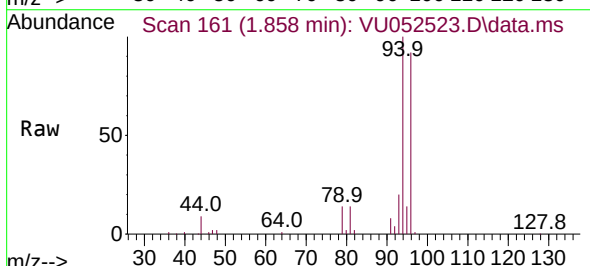
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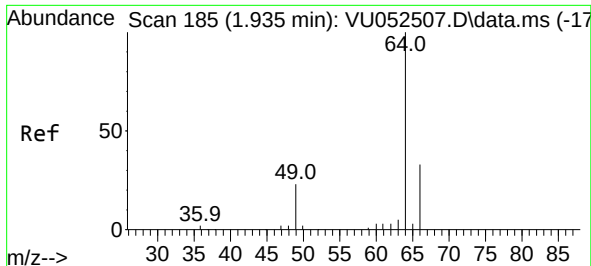
Tgt Ion: 94 Resp: 61038

Ion Ratio Lower Upper

94 100

96 91.8 65.0 120.8

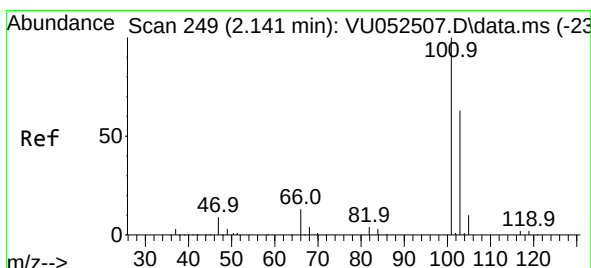
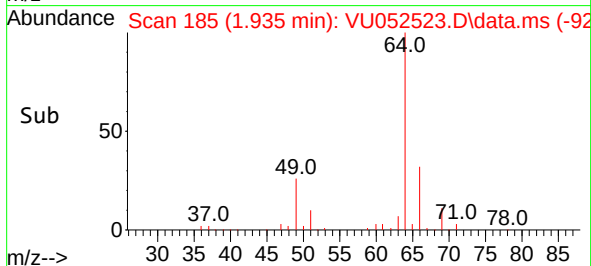
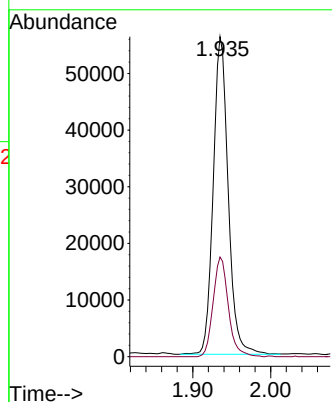
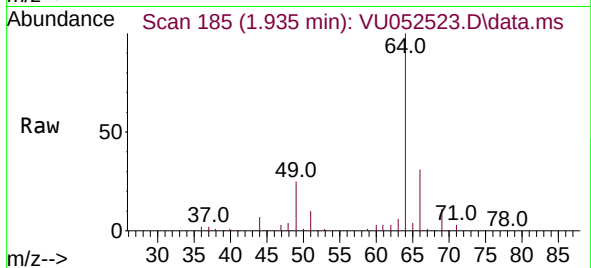




#8
Chloroethane
Concen: 4.021 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

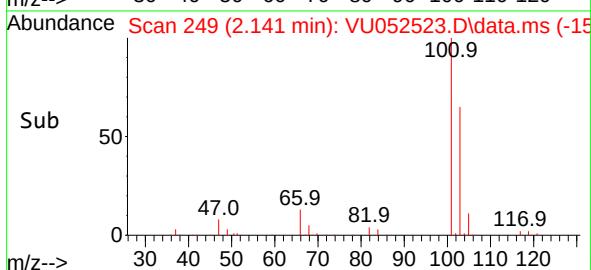
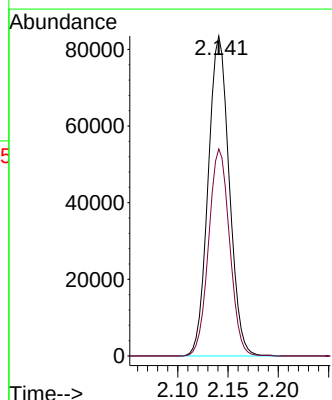
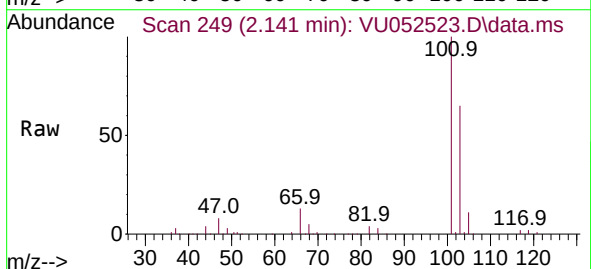
Instrument :
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ClientSampleId :
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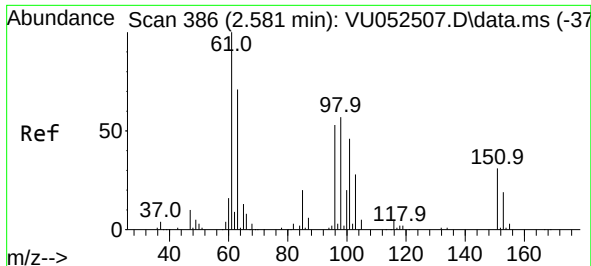
Tgt Ion: 64 Resp: 74828
Ion Ratio Lower Upper
64 100
66 31.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 3.968 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion:101 Resp: 121893
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0

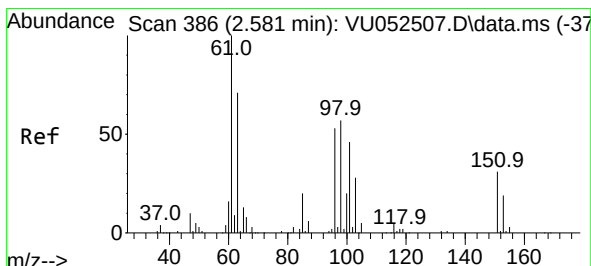
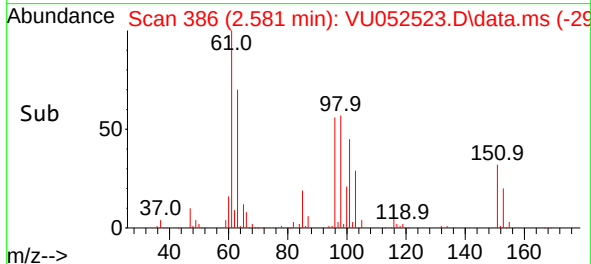
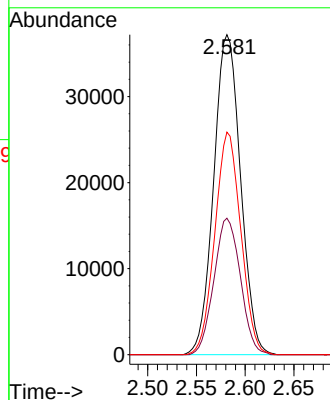
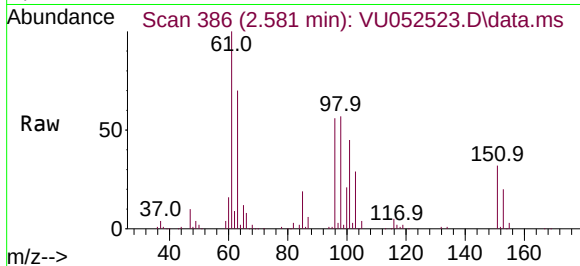




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.909 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052523.D
 Acq: 23 Dec 2022 04:21

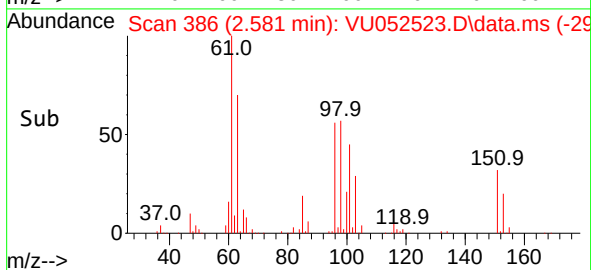
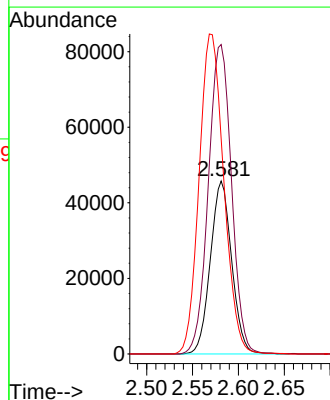
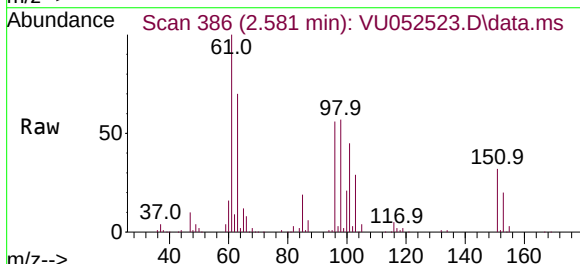
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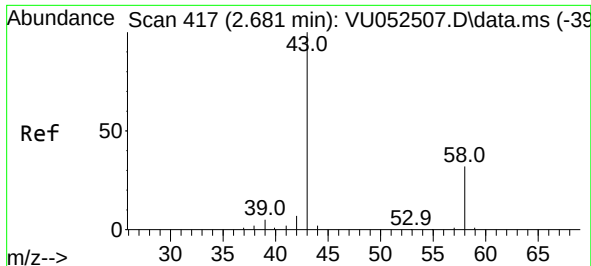
Tgt Ion: 101 Resp: 71373
 Ion Ratio Lower Upper
 101 100
 85 41.9 35.8 53.6
 151 67.3 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.225 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052523.D
 Acq: 23 Dec 2022 04:21

Tgt Ion: 96 Resp: 73832
 Ion Ratio Lower Upper
 96 100
 61 178.9 135.4 251.4
 63 124.4 95.4 177.2





#13

Acetone

Concen: 40.746 ug/L

RT: 2.674 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

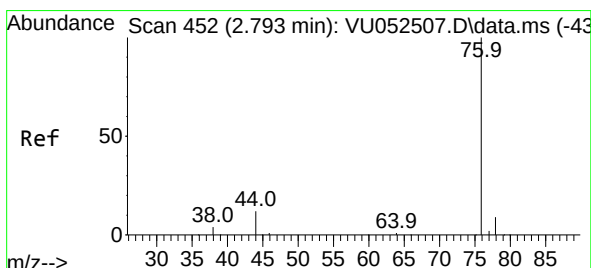
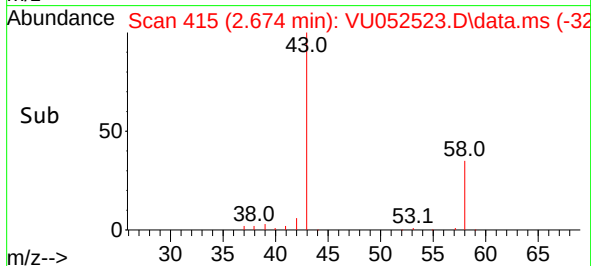
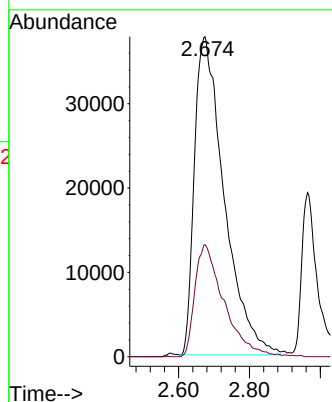
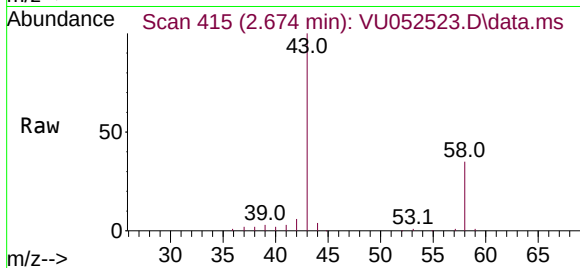
VSTD005115

Tgt Ion: 43 Resp: 220212

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.4



#14

Carbon disulfide

Concen: 4.175 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052523.D

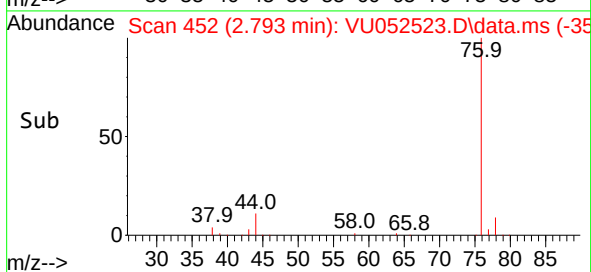
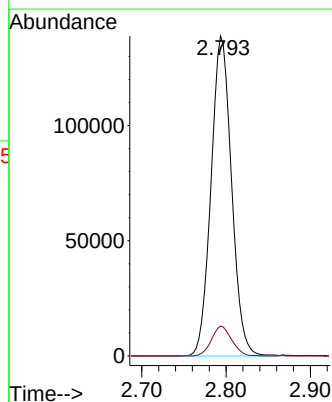
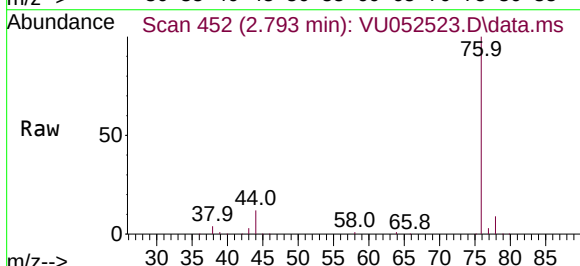
Acq: 23 Dec 2022 04:21

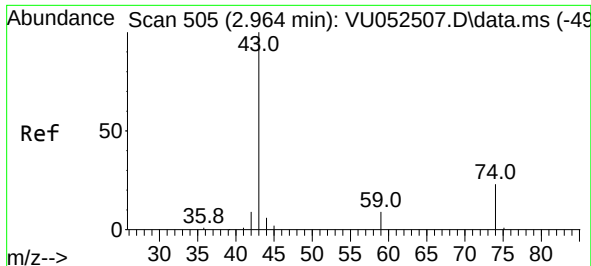
Tgt Ion: 76 Resp: 235093

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

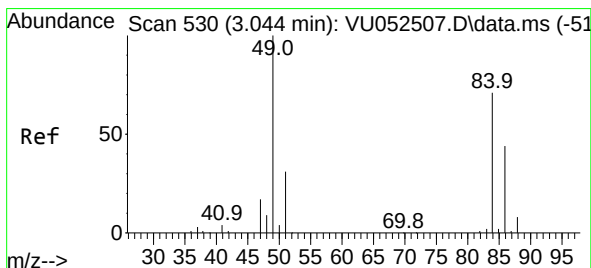
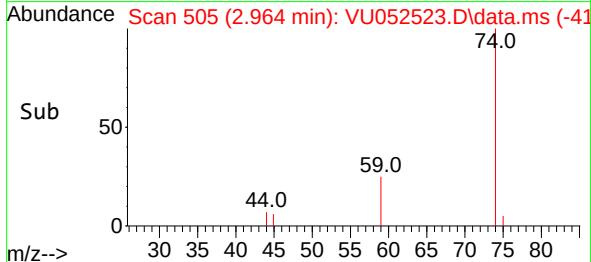
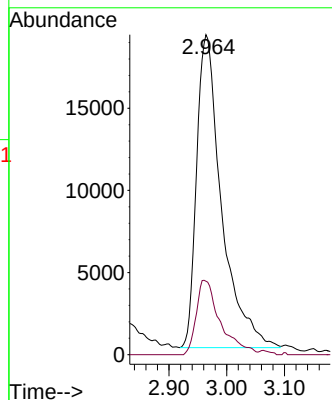
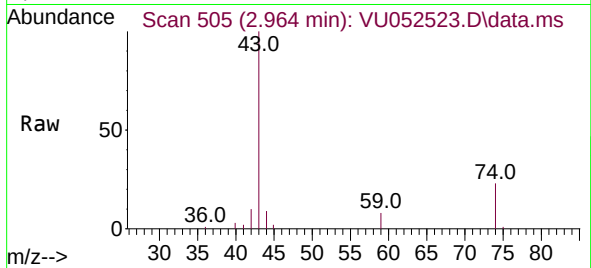




#15
Methyl Acetate
Concen: 4.801 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

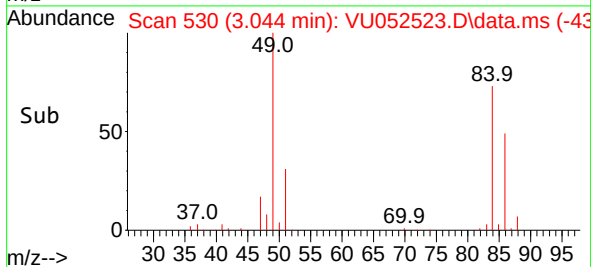
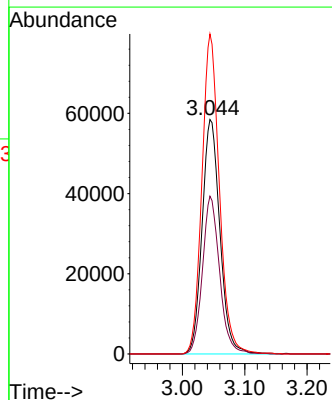
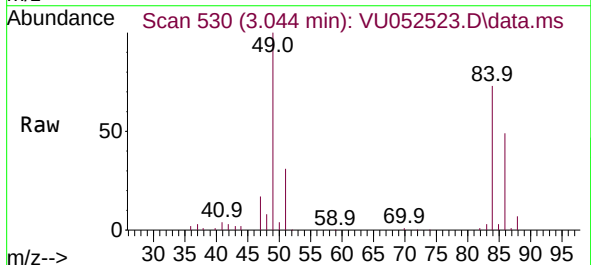
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

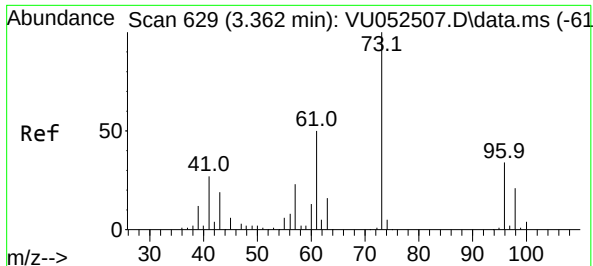
Tgt Ion: 43 Resp: 57168
Ion Ratio Lower Upper
43 100
74 23.0 16.9 25.3



#16
Methylene chloride
Concen: 4.711 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 84 Resp: 116308
Ion Ratio Lower Upper
84 100
86 67.3 44.7 83.1
49 136.5 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.101 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

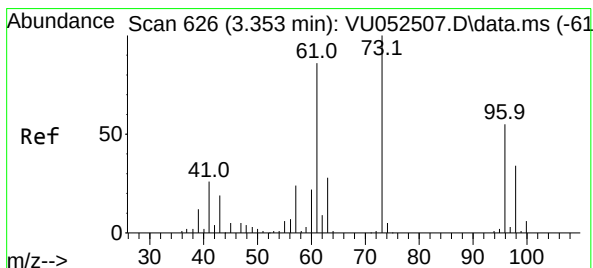
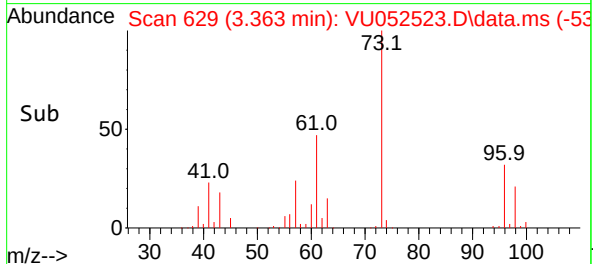
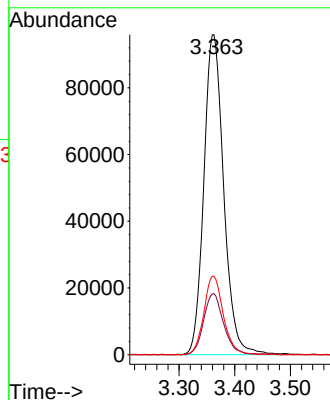
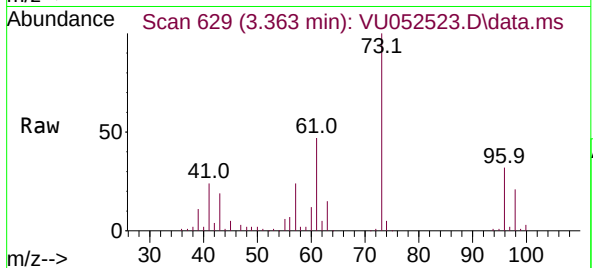
Tgt Ion: 73 Resp: 237972

Ion Ratio Lower Upper

73 100

43 19.3 16.1 24.1

57 23.9 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 4.588 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

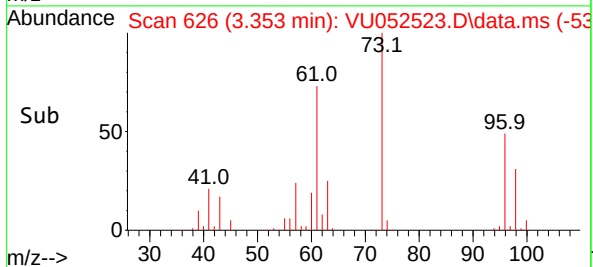
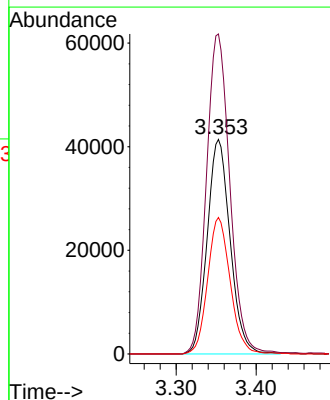
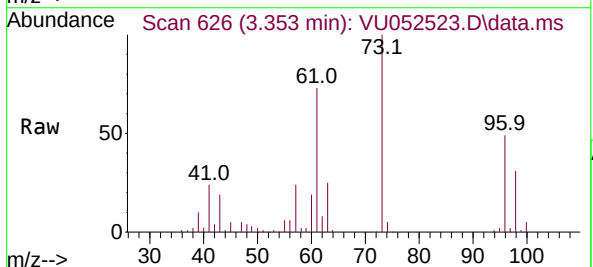
Tgt Ion: 96 Resp: 82643

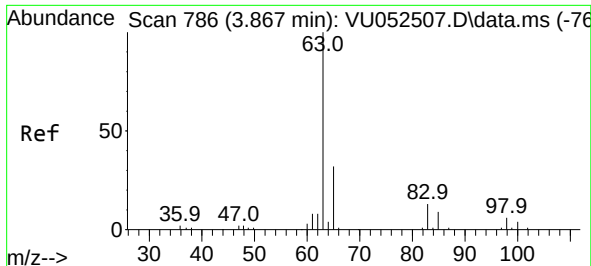
Ion Ratio Lower Upper

96 100

61 149.1 108.3 201.1

98 63.6 44.0 81.6

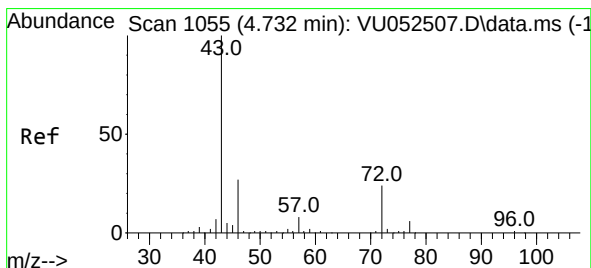
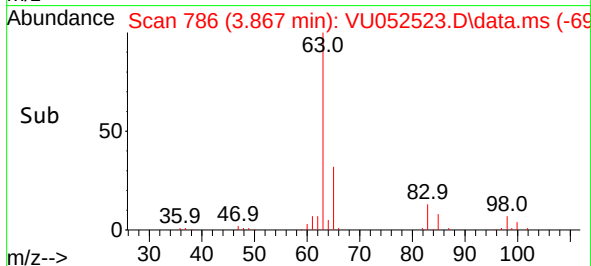
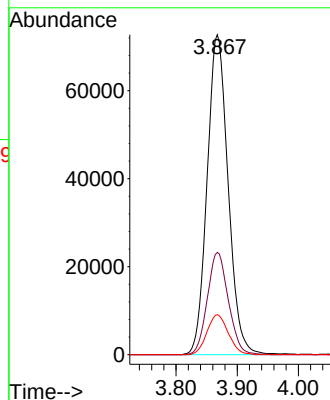
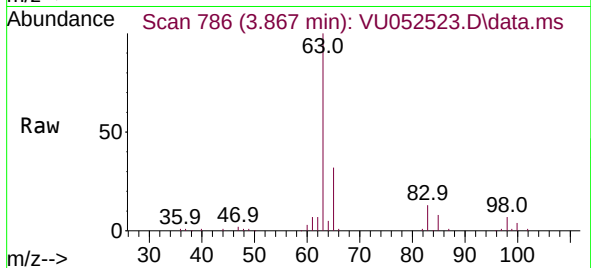




#19
1,1-Dichloroethane
Concen: 4.433 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

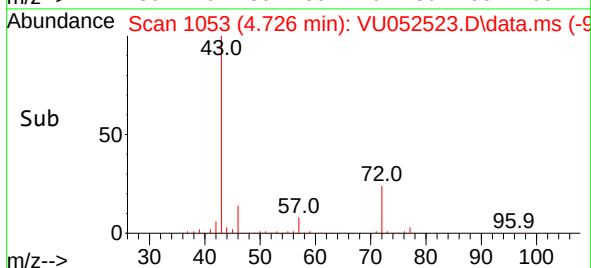
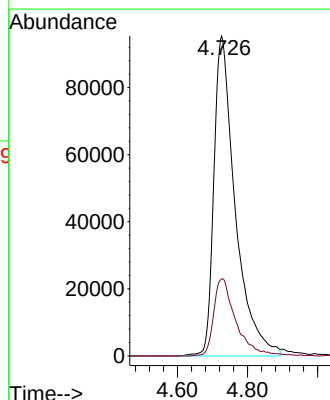
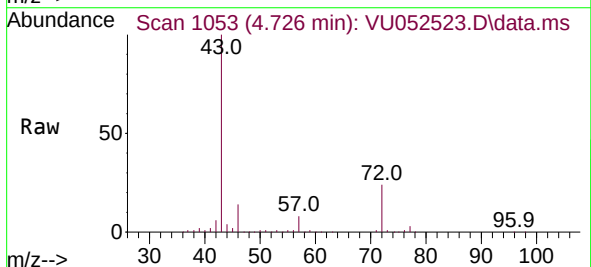
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

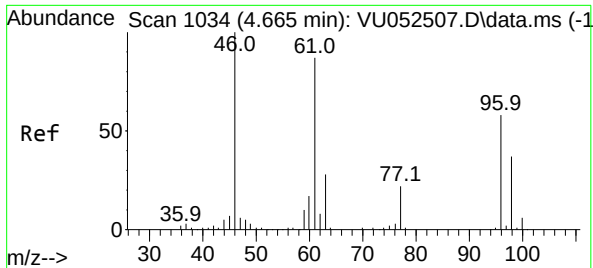
Tgt Ion: 63 Resp: 173638
Ion Ratio Lower Upper
63 100
65 31.9 22.0 40.8
83 12.5 9.0 16.8



#21
2-Butanone
Concen: 50.728 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 43 Resp: 403771
Ion Ratio Lower Upper
43 100
72 24.1 11.6 34.7

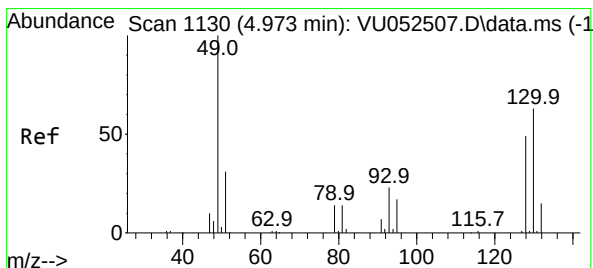
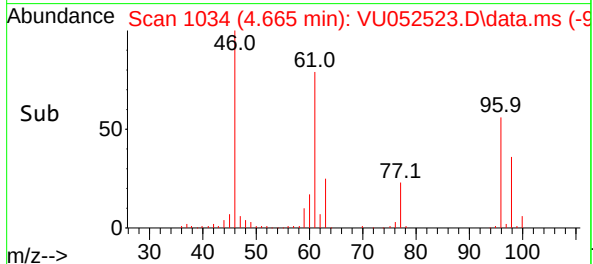
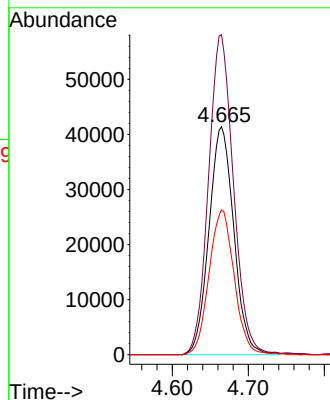
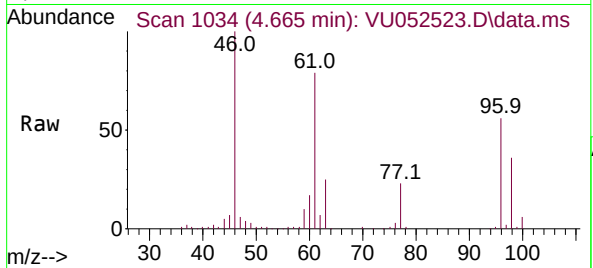




#22
cis-1,2-Dichloroethene
Concen: 4.767 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

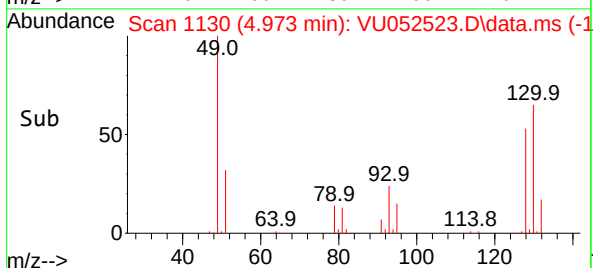
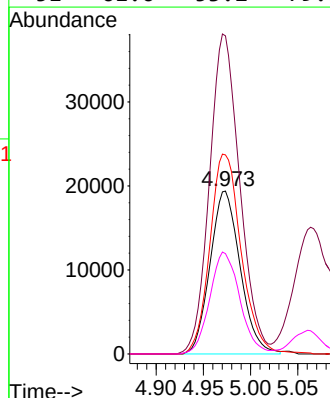
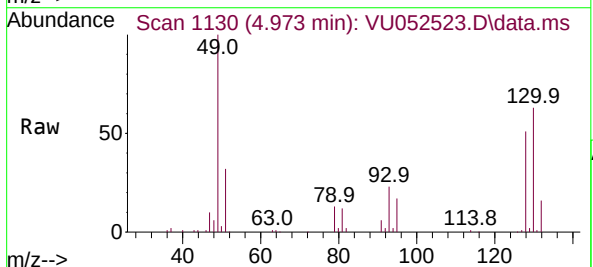
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

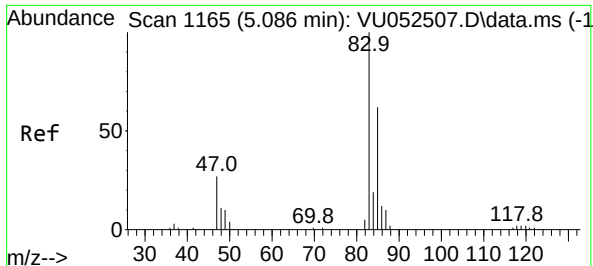
Tgt Ion: 96 Resp: 94229
Ion Ratio Lower Upper
96 100
61 140.3 96.9 180.1
98 63.5 44.7 83.1



#23
Bromochloromethane
Concen: 4.695 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 128 Resp: 43009
Ion Ratio Lower Upper
128 100
49 195.2 143.3 266.1
130 122.1 88.4 164.2
51 61.6 53.2 79.8





#25

Chloroform

Concen: 4.374 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

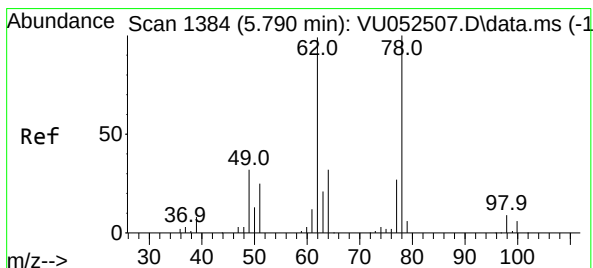
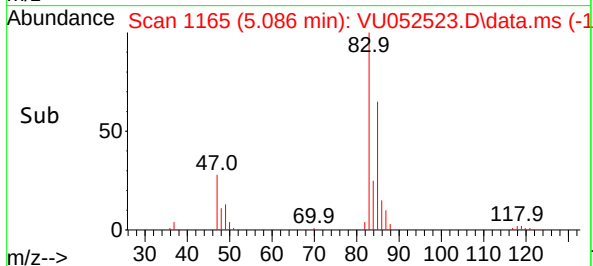
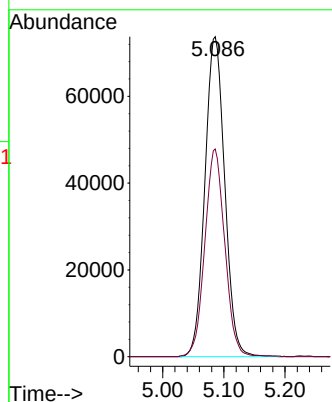
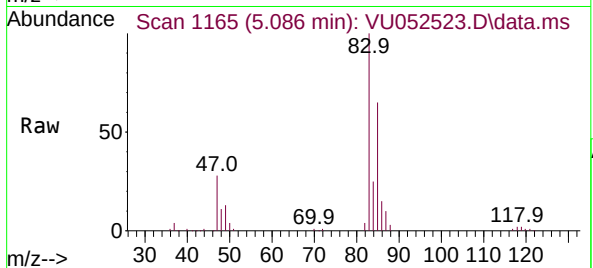
VSTD005115

Tgt Ion: 83 Resp: 165997

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.470 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052523.D

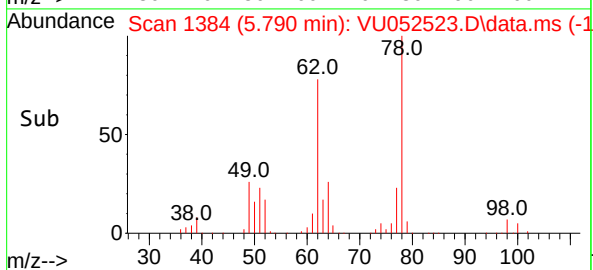
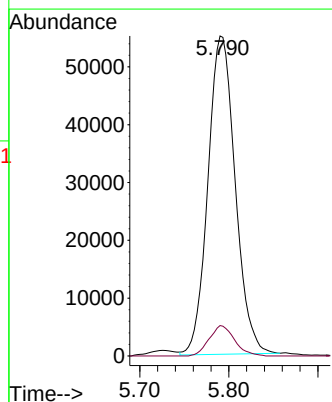
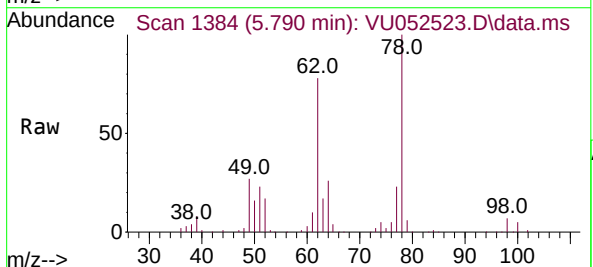
Acq: 23 Dec 2022 04:21

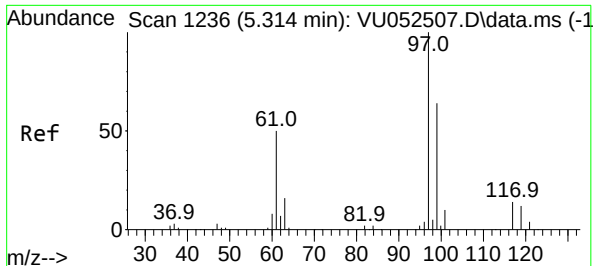
Tgt Ion: 62 Resp: 117218

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.585 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

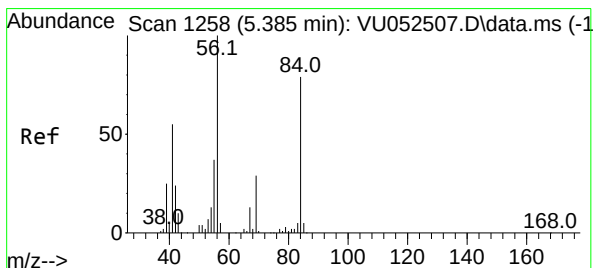
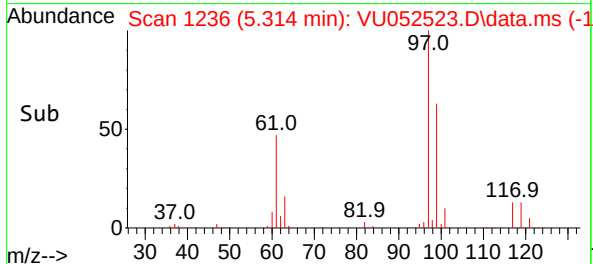
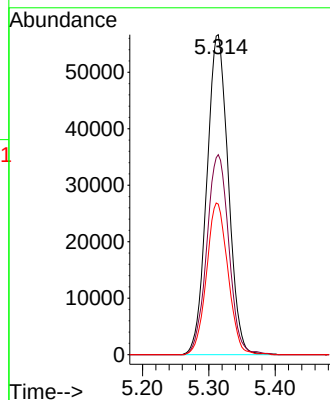
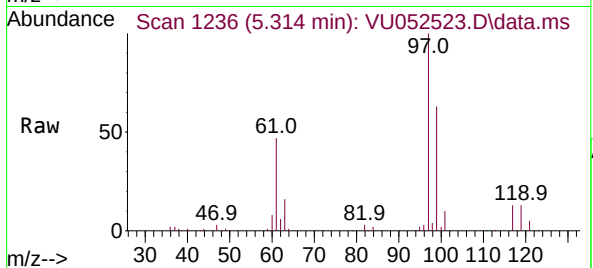
Tgt Ion: 97 Resp: 126991

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

61 47.4 41.6 62.4



#30

Cyclohexane

Concen: 4.694 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

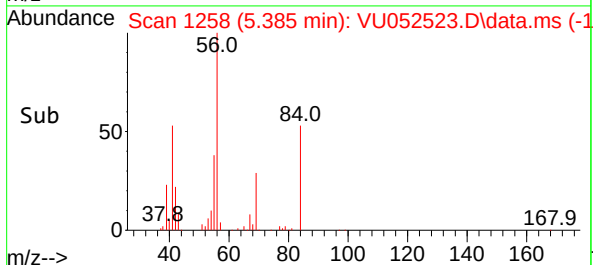
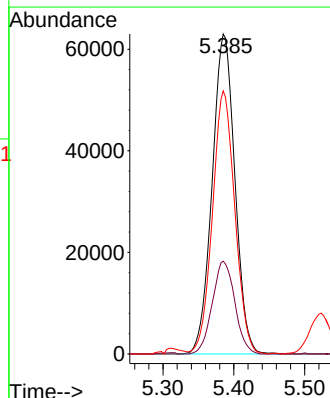
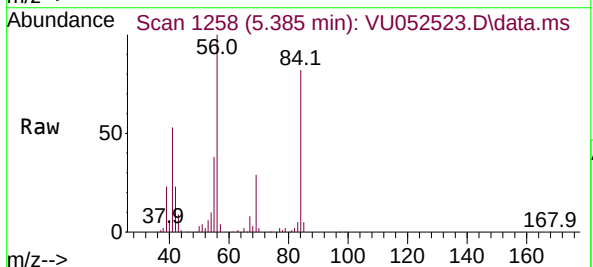
Tgt Ion: 56 Resp: 140507

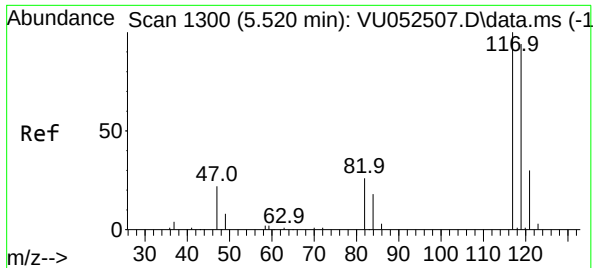
Ion Ratio Lower Upper

56 100

69 28.7 23.0 34.6

84 81.0 64.4 96.6

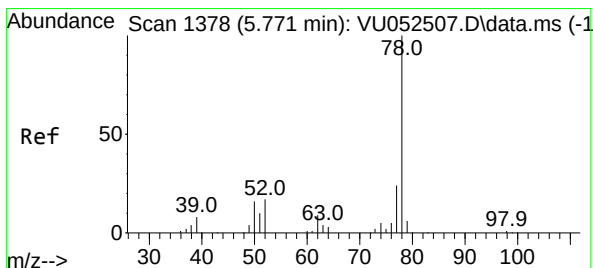
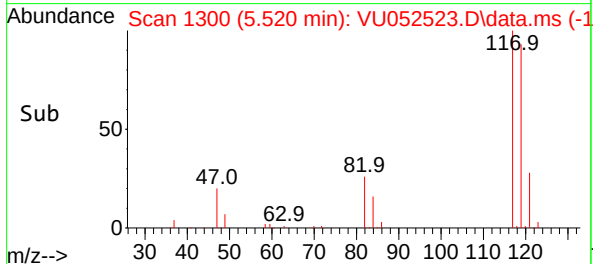
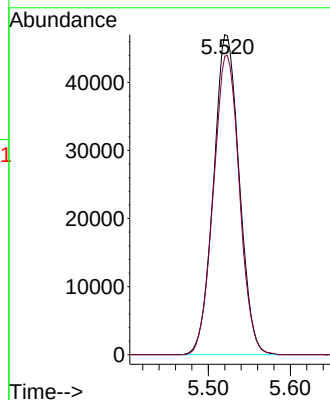
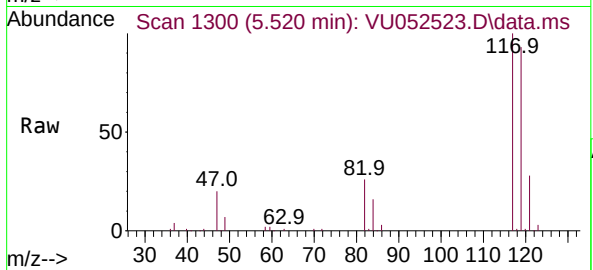




#31
Carbon tetrachloride
Concen: 4.205 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

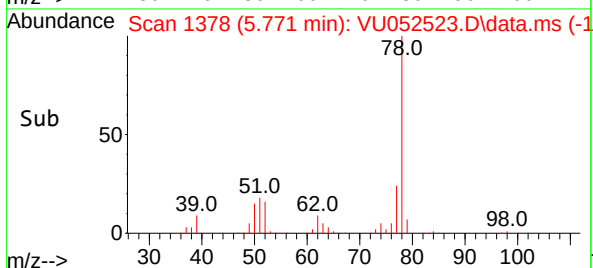
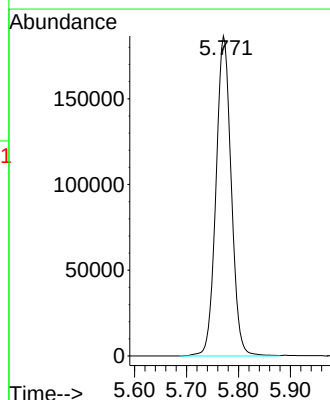
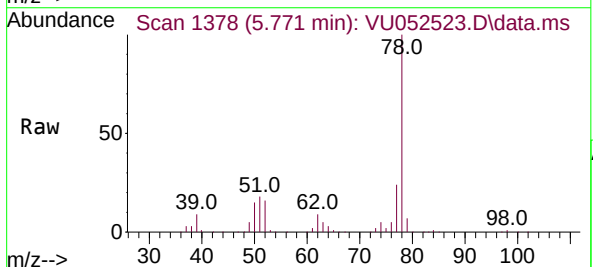
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

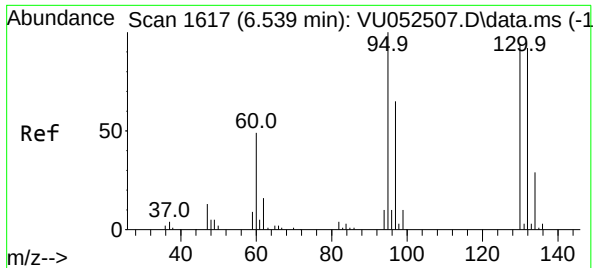
Tgt Ion:117 Resp: 102334
Ion Ratio Lower Upper
117 100
119 94.6 76.3 114.5



#33
Benzene
Concen: 4.807 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 78 Resp: 381004



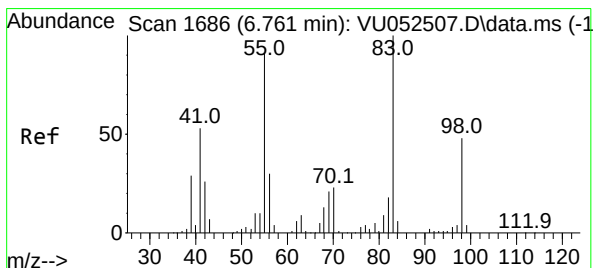
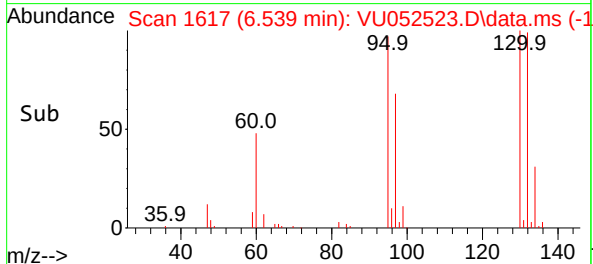
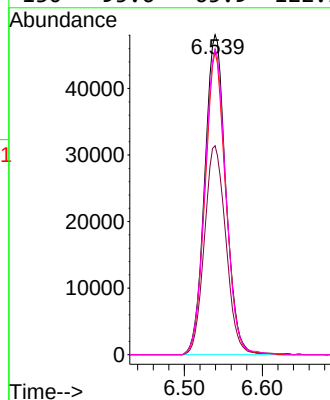
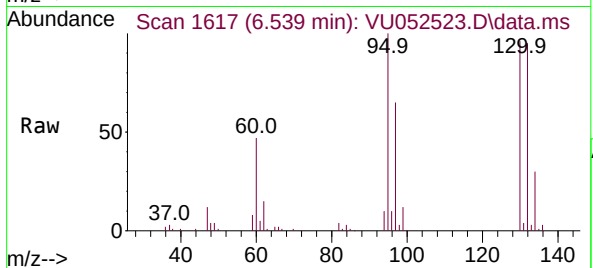


#34
Trichloroethene
Concen: 4.864 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

Tgt Ion: 95 Resp: 90126

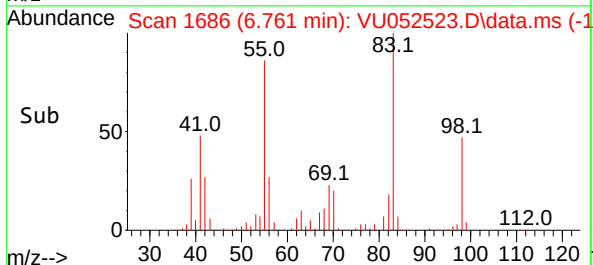
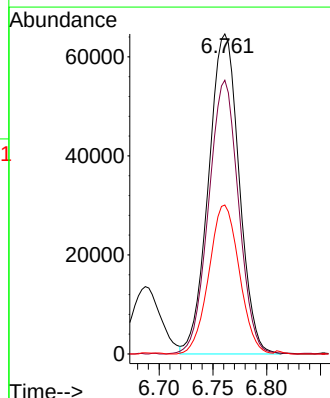
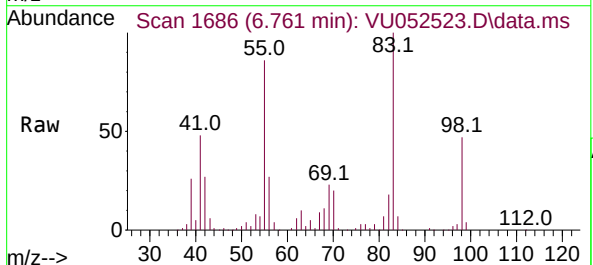
Ion	Ratio	Lower	Upper
95	100		
97	65.3	46.3	86.1
132	94.8	63.9	118.7
130	95.6	65.9	122.5

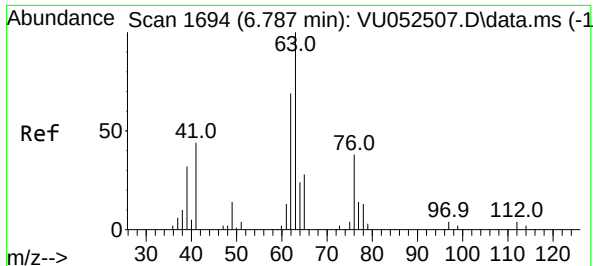


#35
Methylcyclohexane
Concen: 4.579 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 83 Resp: 127942

Ion	Ratio	Lower	Upper
83	100		
55	83.7	71.4	107.0
98	46.2	36.5	54.7





#37

1,2-Dichloropropane

Concen: 4.773 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

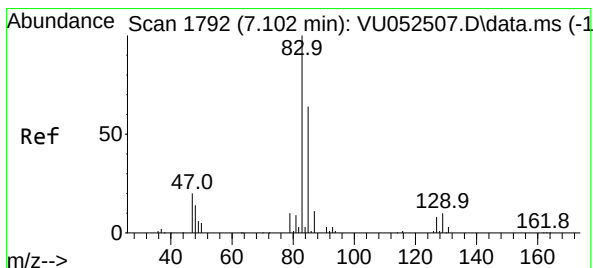
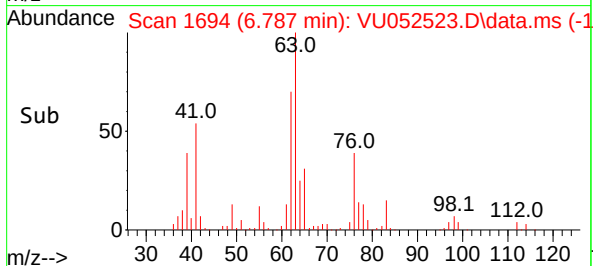
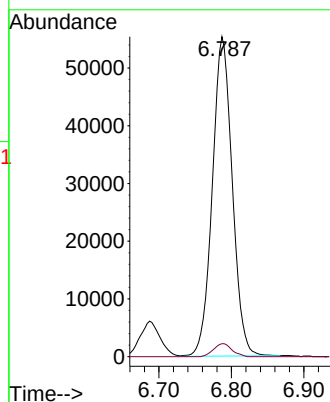
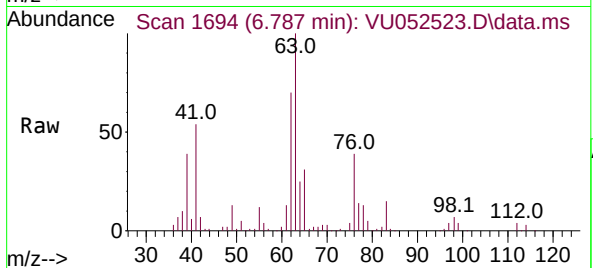
VSTD005115

Tgt Ion: 63 Resp: 105575

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 4.533 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

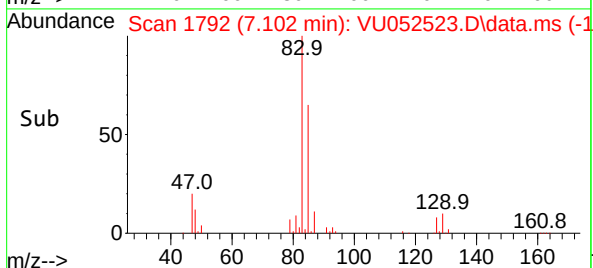
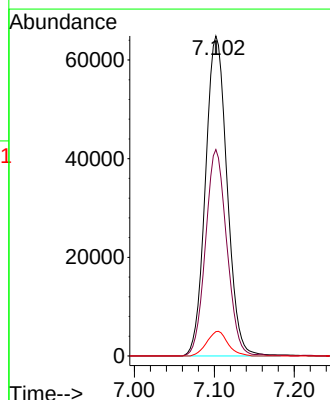
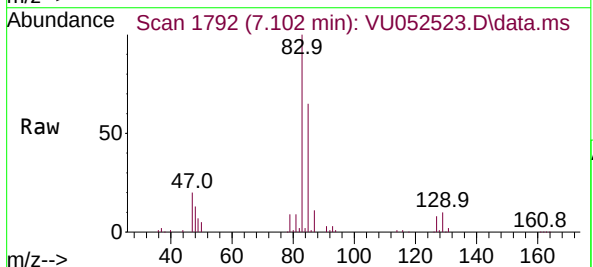
Tgt Ion: 83 Resp: 122022

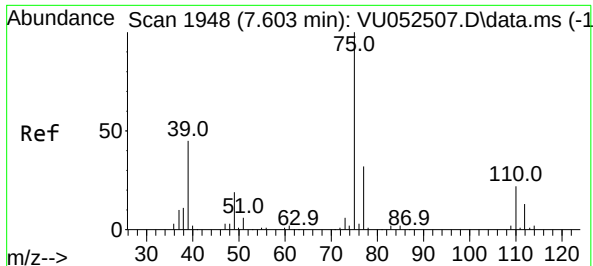
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

127 7.6 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.914 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

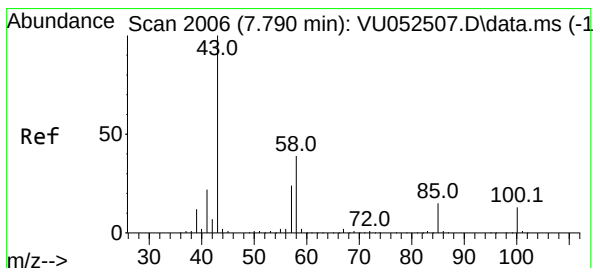
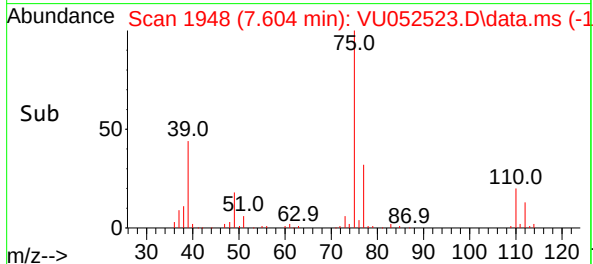
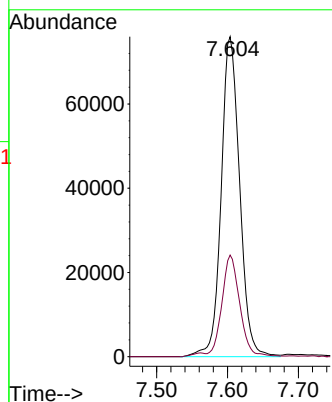
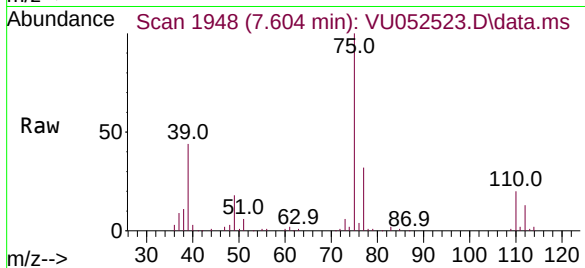
VSTD005115

Tgt Ion: 75 Resp: 137659

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 55.210 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

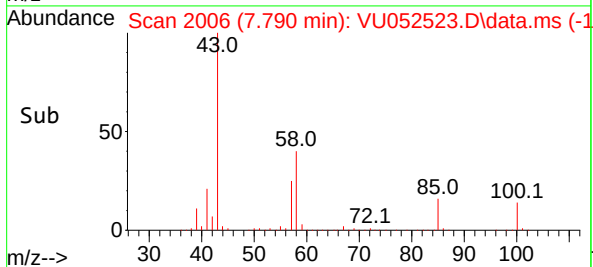
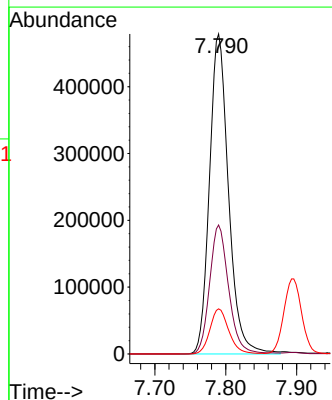
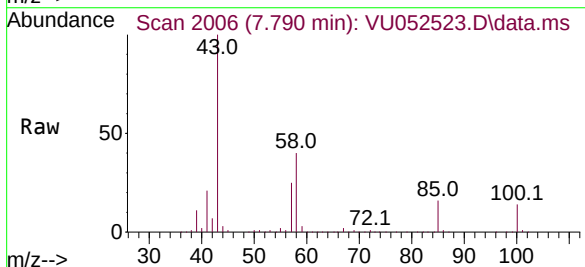
Tgt Ion: 43 Resp: 892389

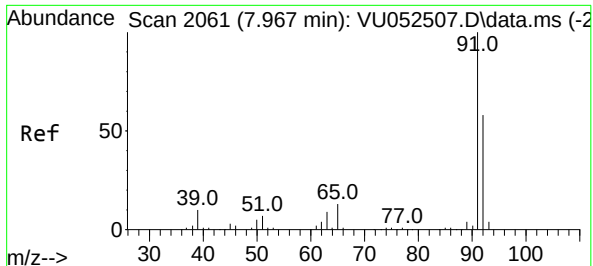
Ion Ratio Lower Upper

43 100

58 40.3 30.6 45.8

100 14.1 10.4 15.6

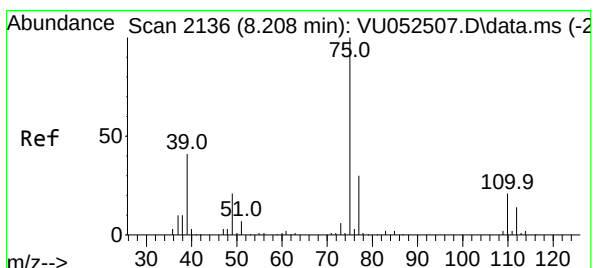
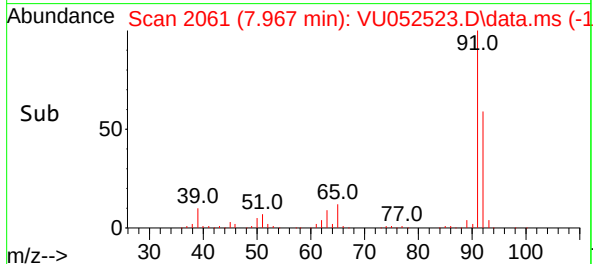
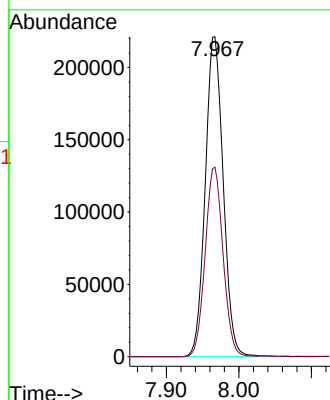
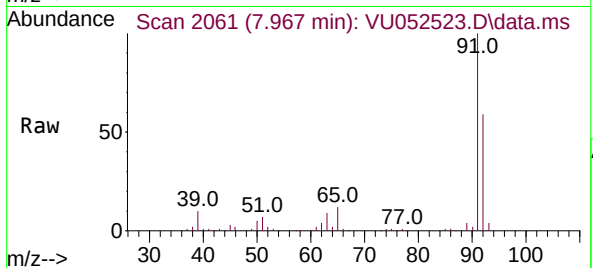




#42
Toluene
Concen: 5.007 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

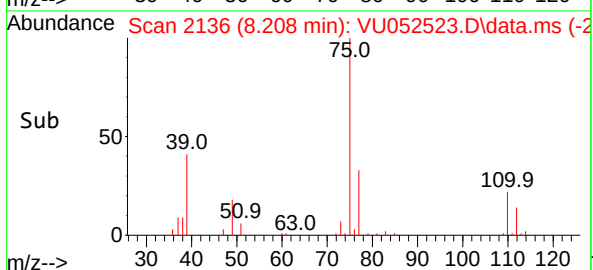
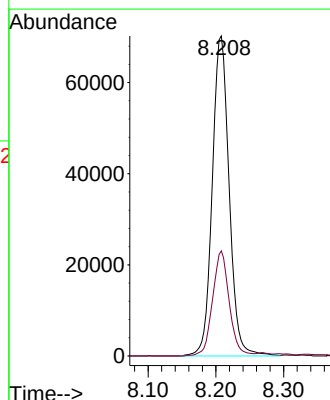
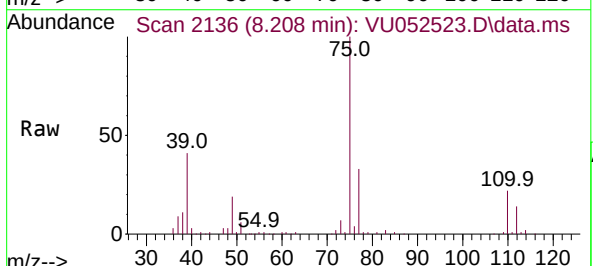
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

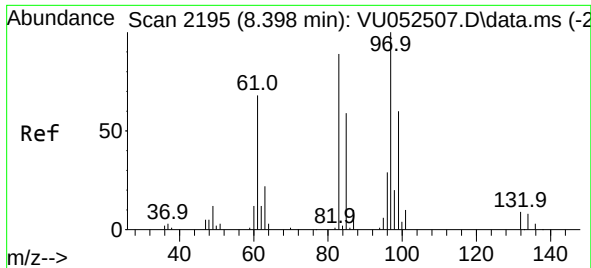
Tgt Ion: 91 Resp: 380539
Ion Ratio Lower Upper
91 100
92 59.3 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 4.925 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 75 Resp: 121571
Ion Ratio Lower Upper
75 100
77 32.9 22.8 42.4

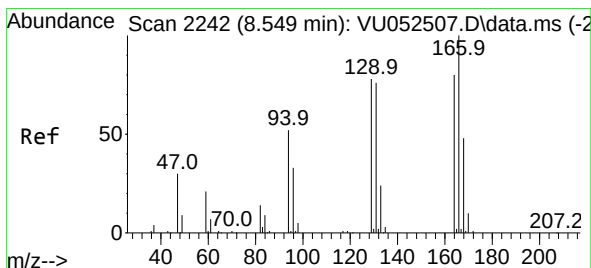
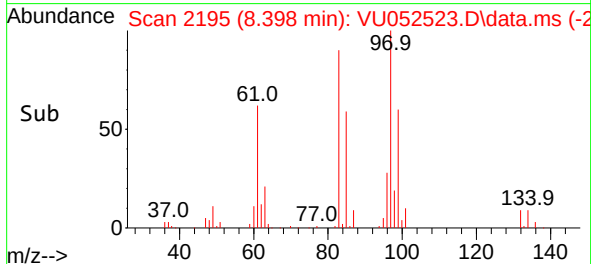
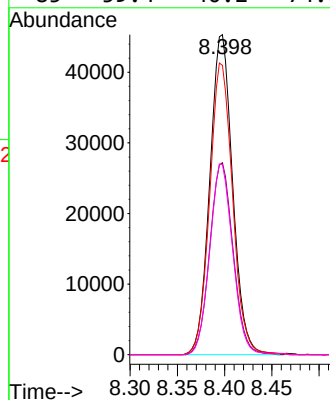
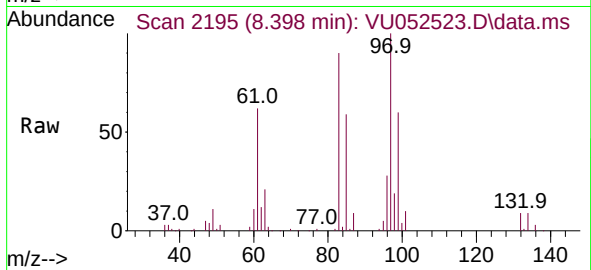




#45
1,1,2-Trichloroethane
Concen: 4.855 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

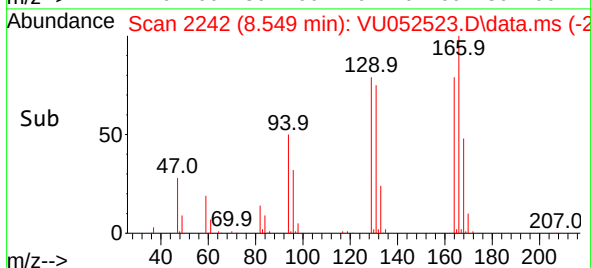
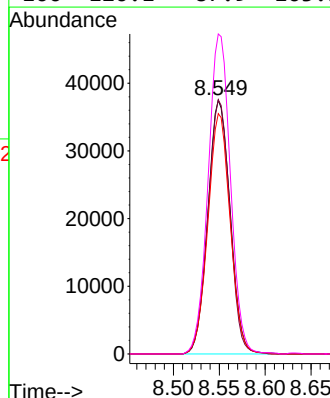
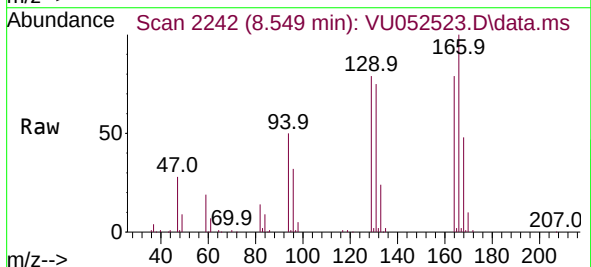
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

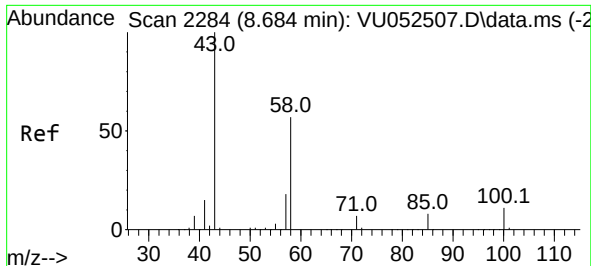
Tgt Ion:	97	Resp:	76060
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.0	78.0
83	90.4	63.2	117.4
85	59.4	40.2	74.6



#47
Tetrachloroethene
Concen: 4.908 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion:	164	Resp:	63485
Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.1	126.5
131	94.7	66.5	123.5
166	126.1	87.9	163.3

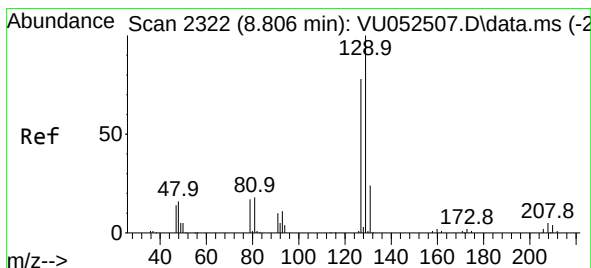
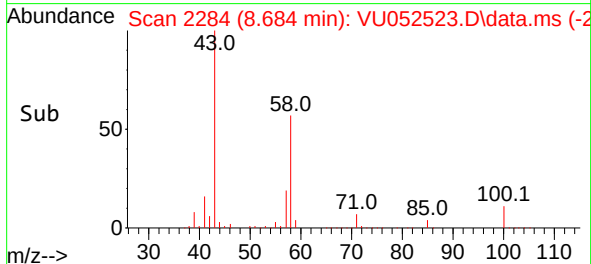
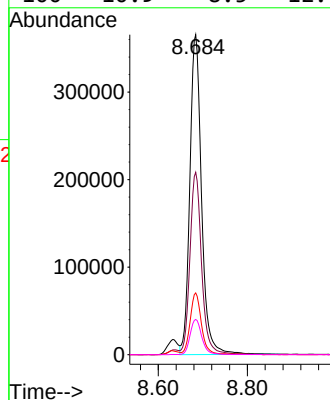
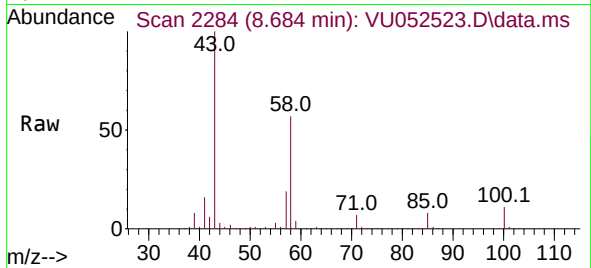




#48
2-Hexanone
Concen: 54.917 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

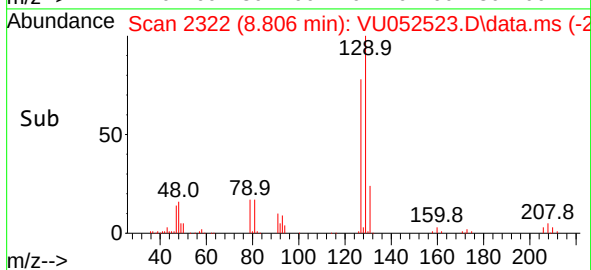
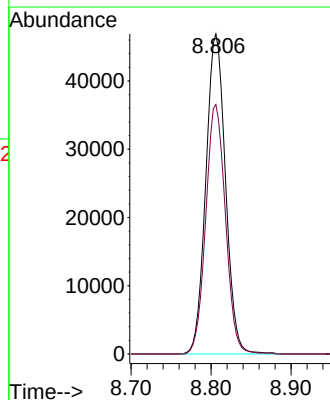
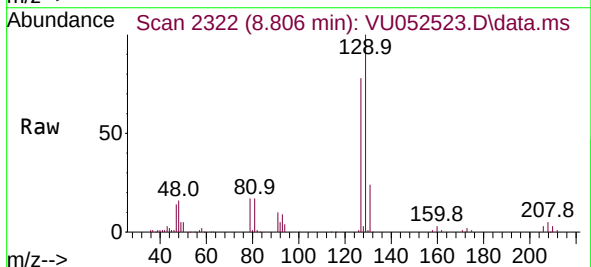
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

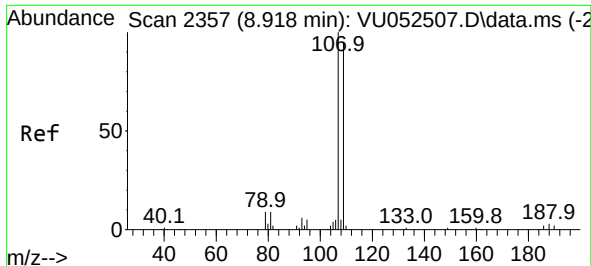
Tgt Ion: 43 Resp: 669094
Ion Ratio Lower Upper
43 100
58 56.5 44.1 66.1
57 18.7 14.6 21.8
100 10.9 8.5 12.7



#49
Dibromochloromethane
Concen: 4.832 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 129 Resp: 80151
Ion Ratio Lower Upper
129 100
127 78.0 54.2 100.6





#50

1,2-Dibromoethane

Concen: 4.987 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

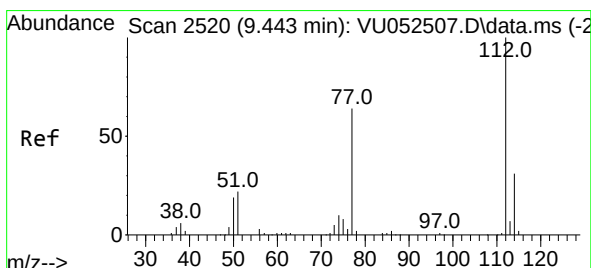
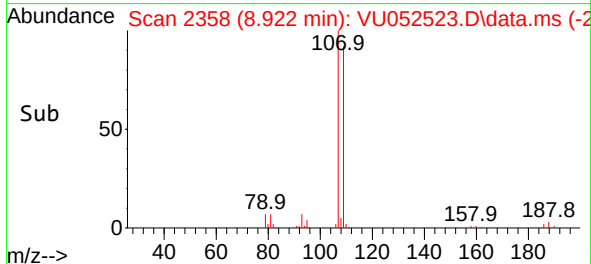
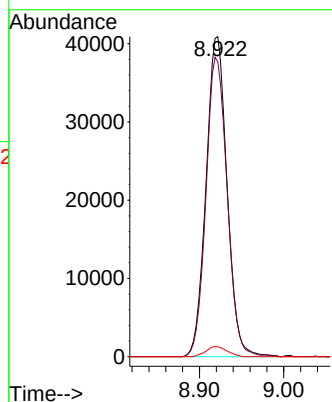
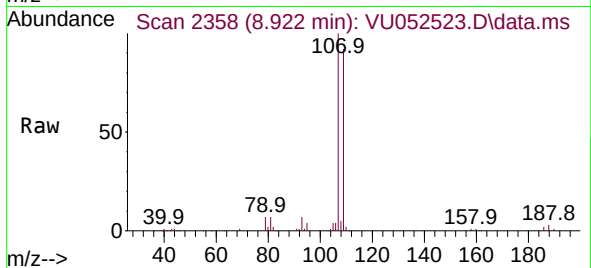
Tgt Ion:107 Resp: 71012

Ion Ratio Lower Upper

107 100

109 92.1 65.8 122.2

188 3.1 2.3 3.5



#51

Chlorobenzene

Concen: 4.875 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

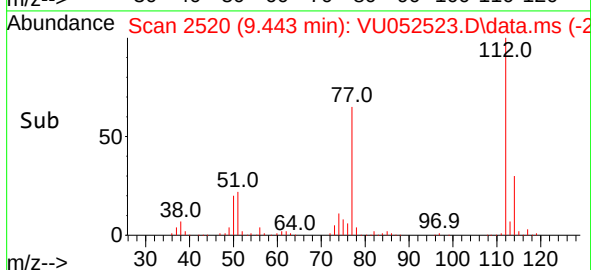
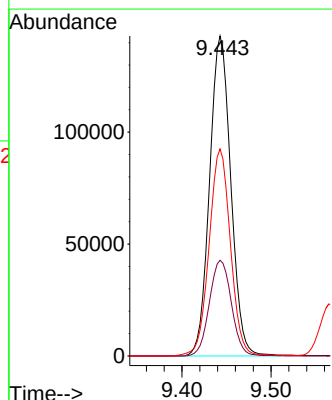
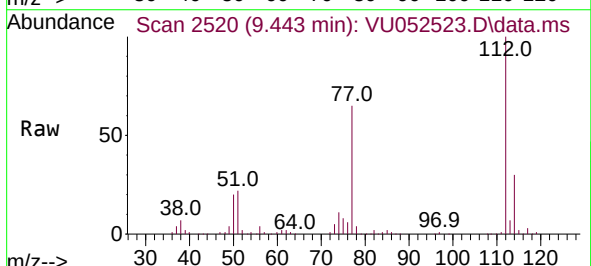
Tgt Ion:112 Resp: 236578

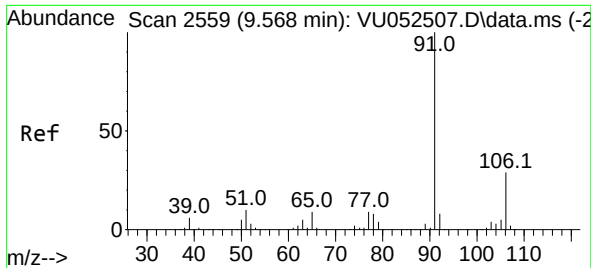
Ion Ratio Lower Upper

112 100

114 29.9 21.3 39.5

77 64.7 51.0 76.6

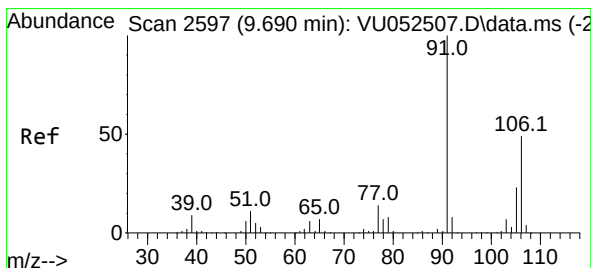
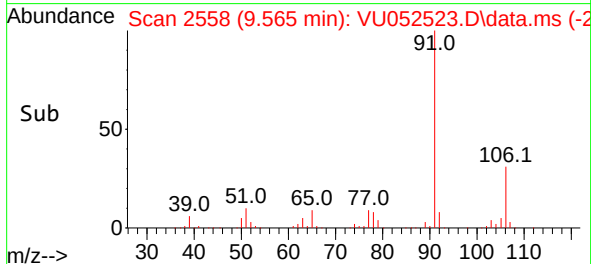
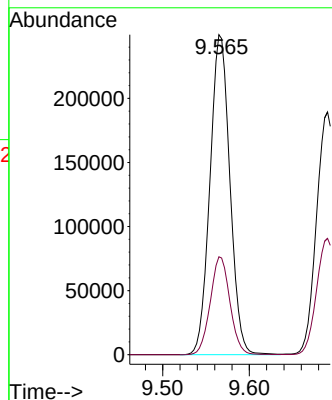
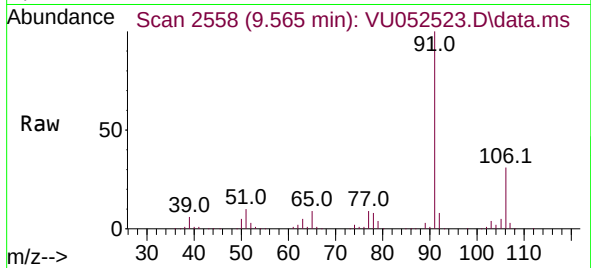




#52
Ethylbenzene
Concen: 5.076 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

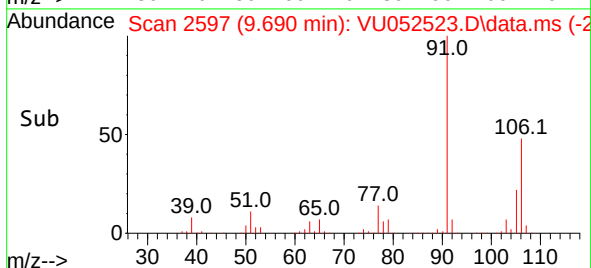
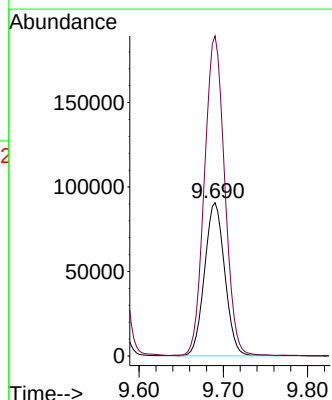
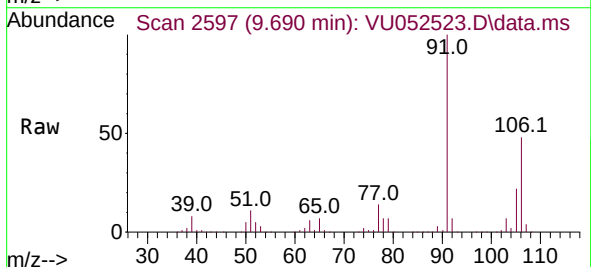
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

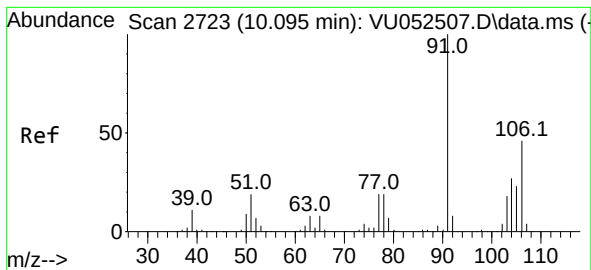
Tgt Ion: 91 Resp: 399250
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.7



#53
m,p-Xylene
Concen: 5.214 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion: 106 Resp: 151212
Ion Ratio Lower Upper
106 100
91 208.7 148.2 275.2





#54

o-Xylene

Concen: 5.380 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

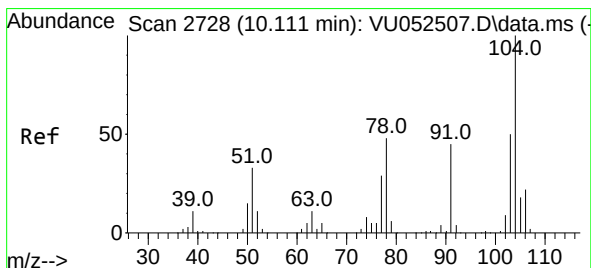
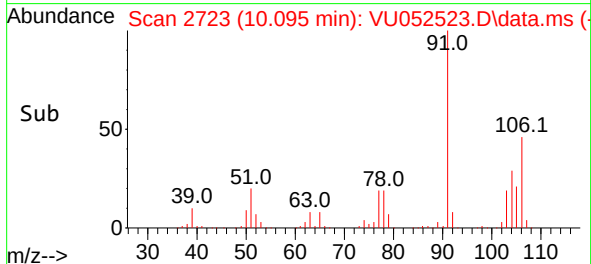
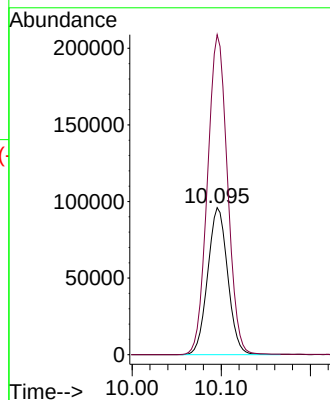
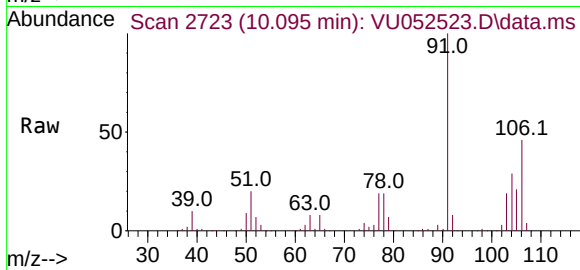
VSTD005115

Tgt Ion:106 Resp: 149587

Ion Ratio Lower Upper

106 100

91 217.7 153.2 284.4



#55

Styrene

Concen: 5.325 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052523.D

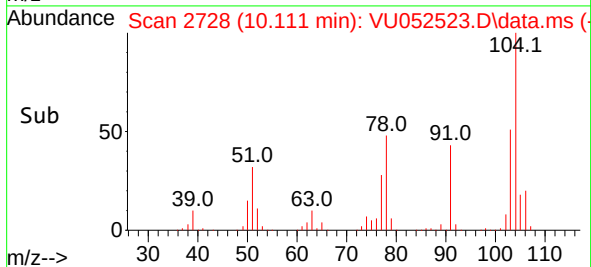
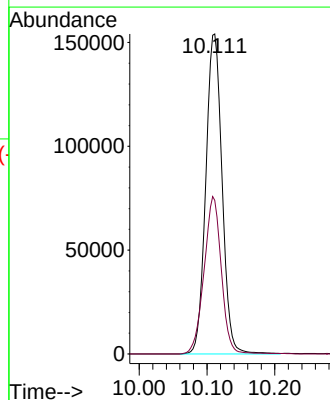
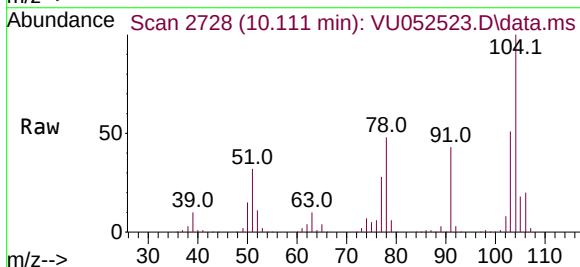
Acq: 23 Dec 2022 04:21

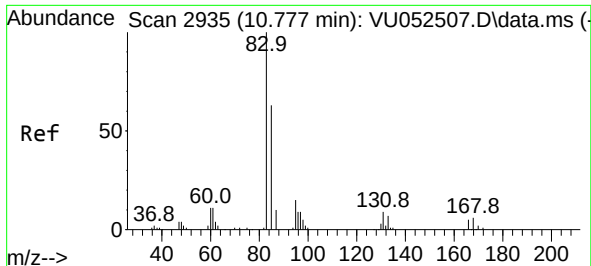
Tgt Ion:104 Resp: 257558

Ion Ratio Lower Upper

104 100

78 48.0 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

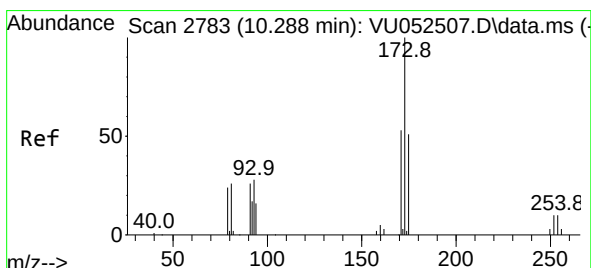
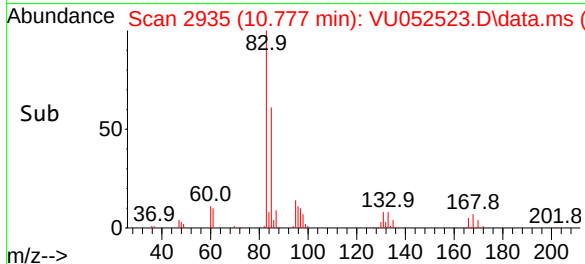
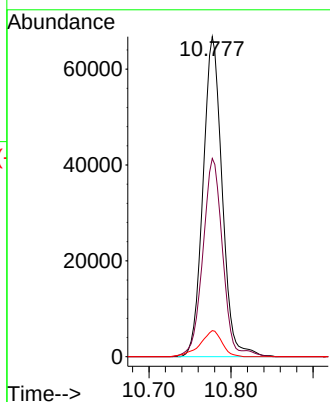
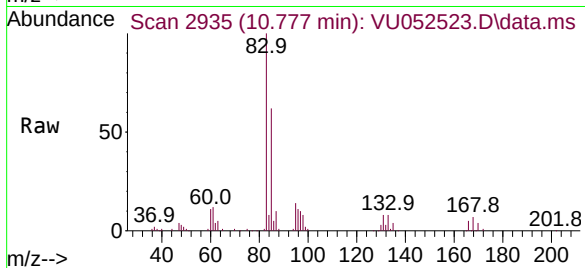
Tgt Ion: 83 Resp: 108272

Ion Ratio Lower Upper

83 100

85 62.0 44.7 83.1

131 8.2 6.0 9.0



#59

Bromoform

Concen: 4.725 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

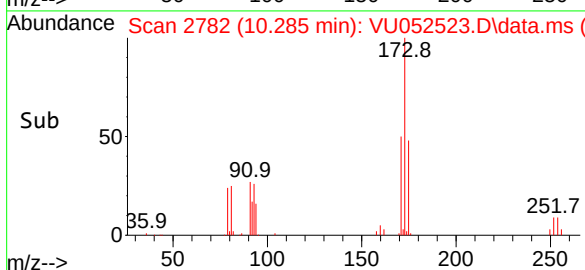
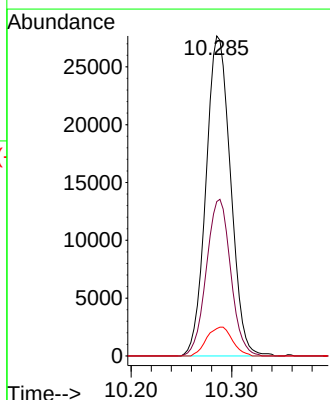
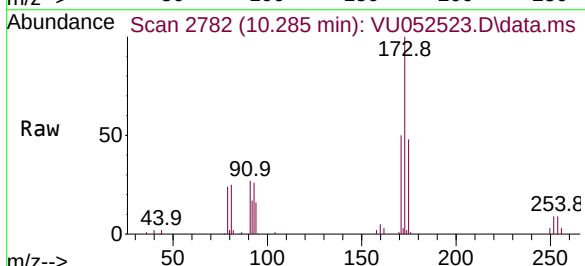
Tgt Ion:173 Resp: 46912

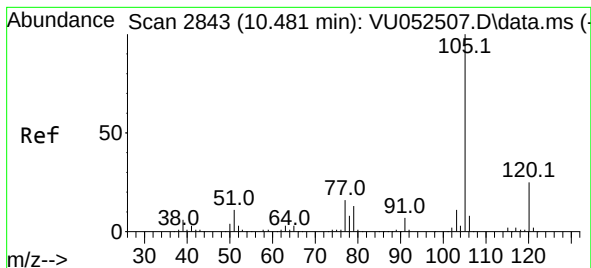
Ion Ratio Lower Upper

173 100

175 48.4 38.9 58.3

254 9.4 7.0 10.6





#60

Isopropylbenzene

Concen: 5.226 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

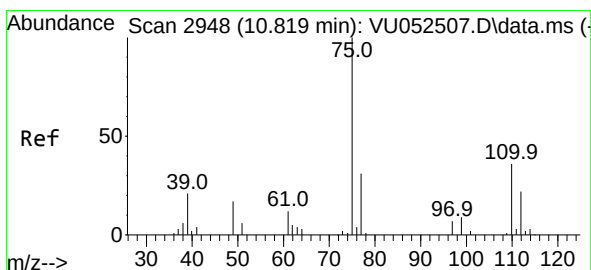
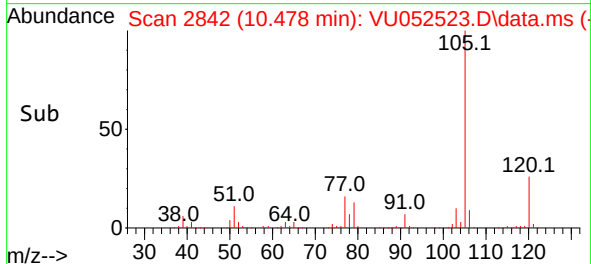
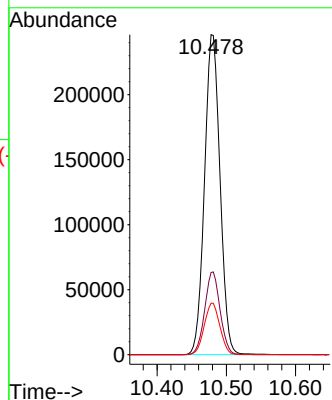
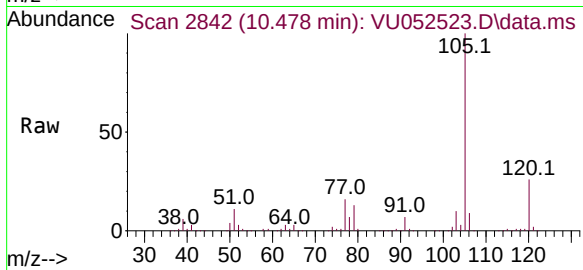
Tgt Ion:105 Resp: 382741

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.3 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.684 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

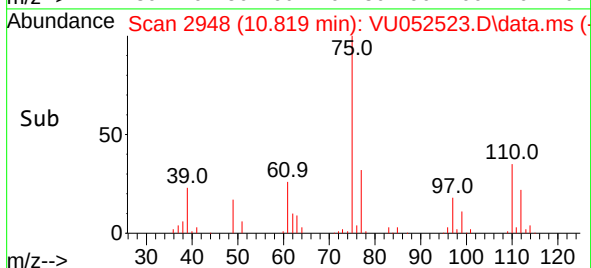
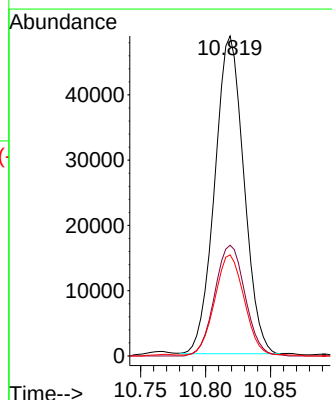
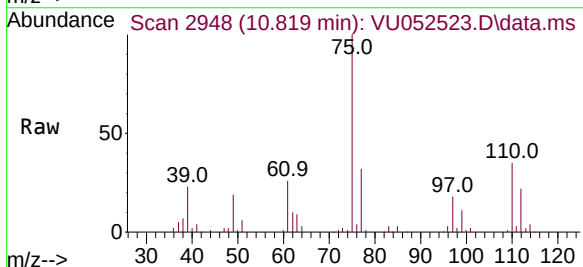
Tgt Ion: 75 Resp: 75910

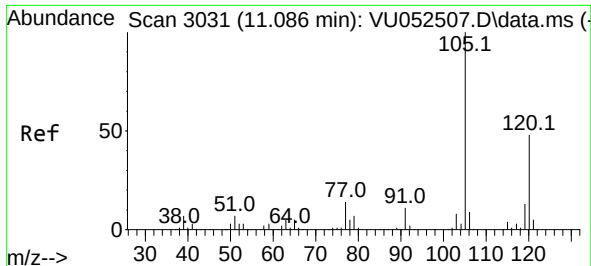
Ion Ratio Lower Upper

75 100

110 36.4 27.9 41.9

77 32.7 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.288 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

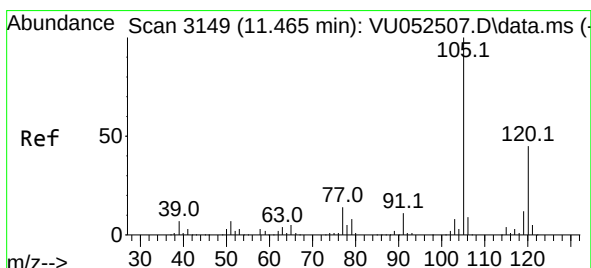
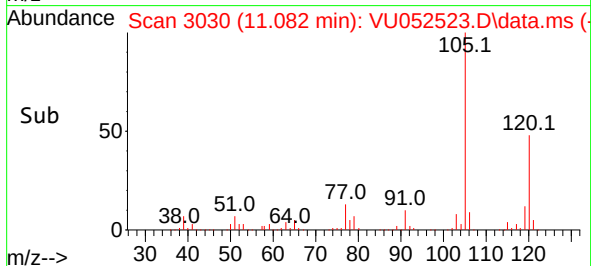
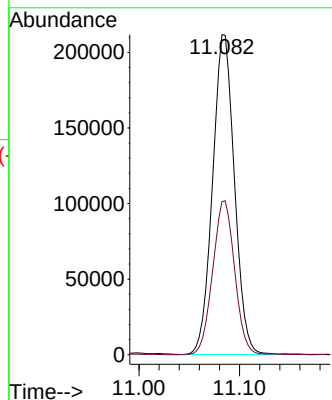
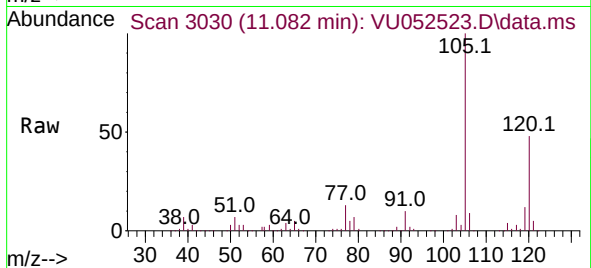
VSTD005115

Tgt Ion:105 Resp: 319456

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.389 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052523.D

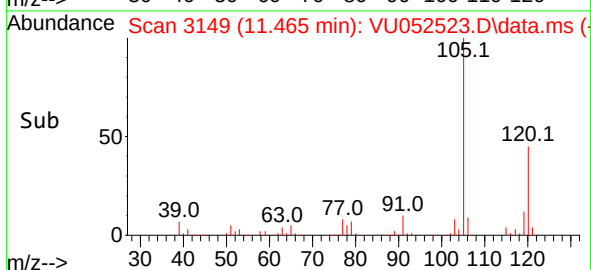
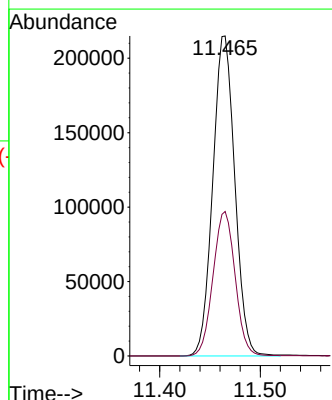
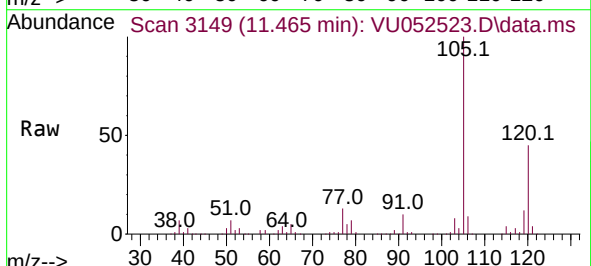
Acq: 23 Dec 2022 04:21

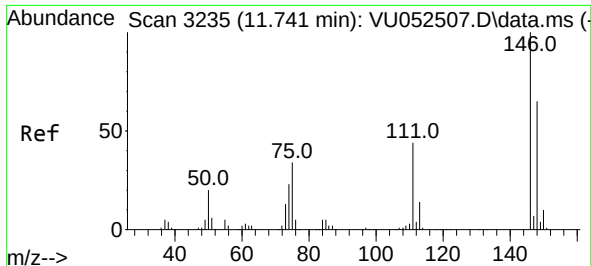
Tgt Ion:105 Resp: 327738

Ion Ratio Lower Upper

105 100

120 45.2 35.6 53.4

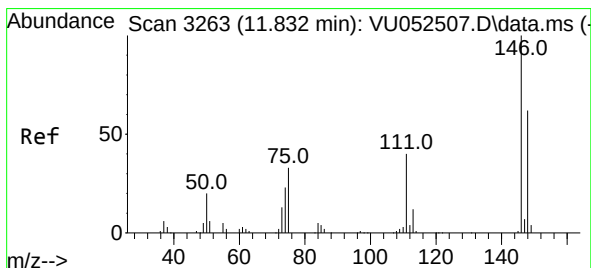
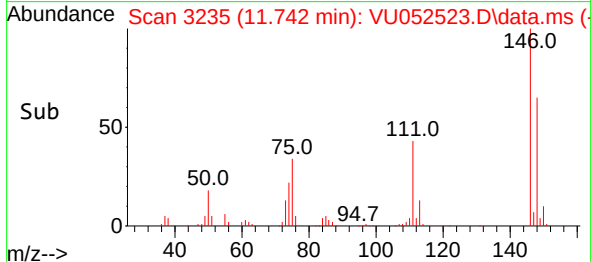
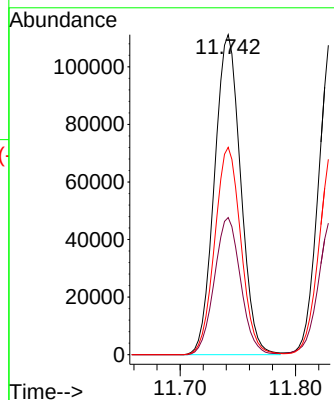
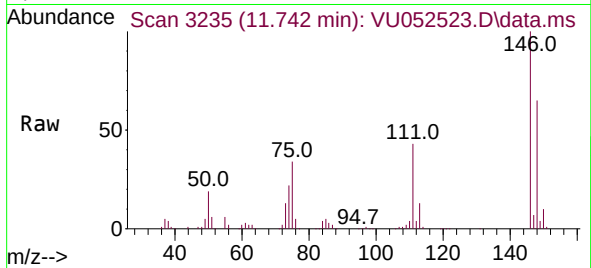




#64
1,3-Dichlorobenzene
Concen: 4.822 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

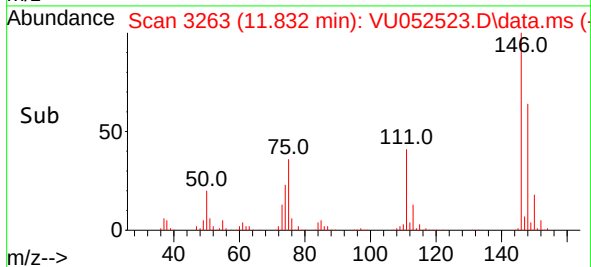
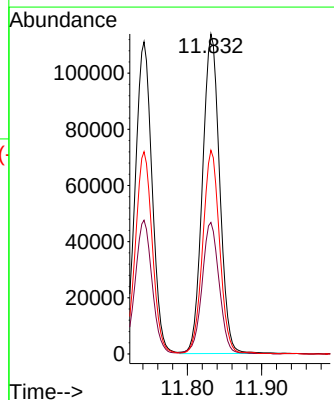
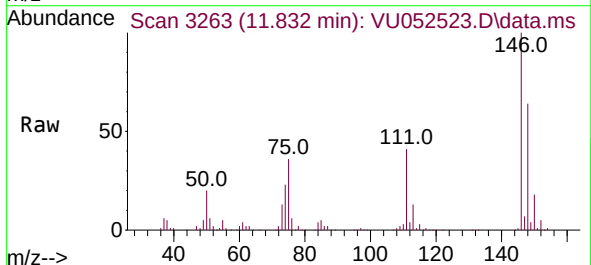
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

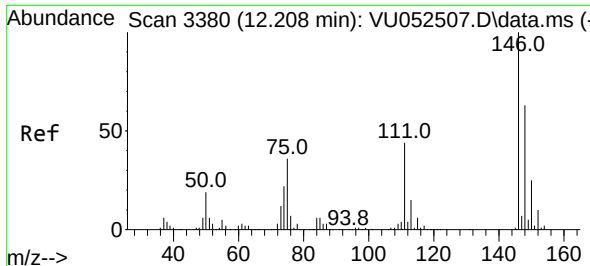
Tgt Ion:146 Resp: 175226
Ion Ratio Lower Upper
146 100
111 42.9 29.9 55.5
148 64.8 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.854 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion:146 Resp: 182431
Ion Ratio Lower Upper
146 100
111 41.1 27.5 51.1
148 63.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.819 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

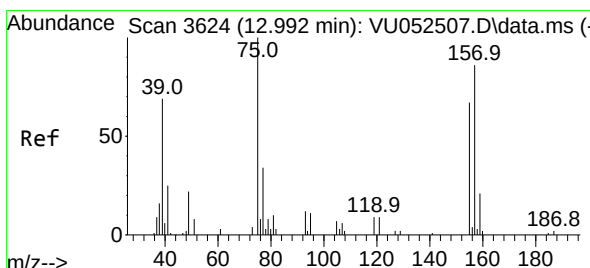
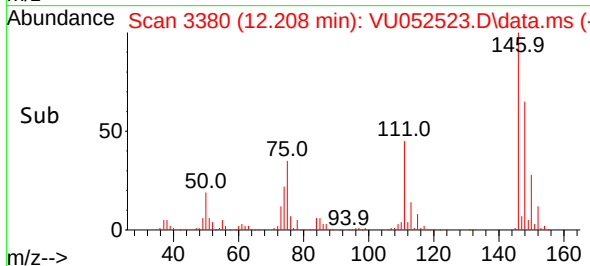
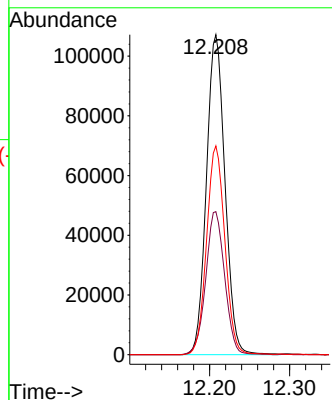
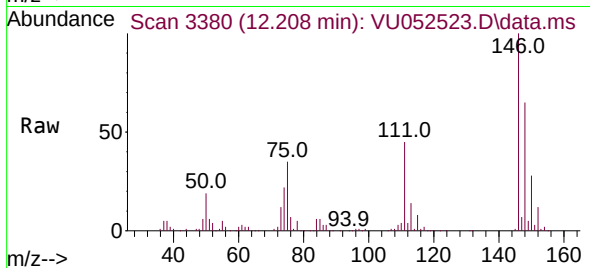
Tgt Ion:146 Resp: 173039

Ion Ratio Lower Upper

146 100

111 44.7 36.6 55.0

148 65.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.715 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052523.D

Acq: 23 Dec 2022 04:21

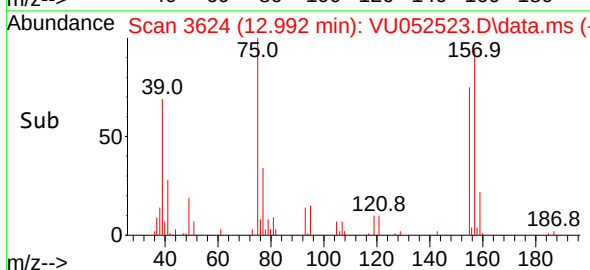
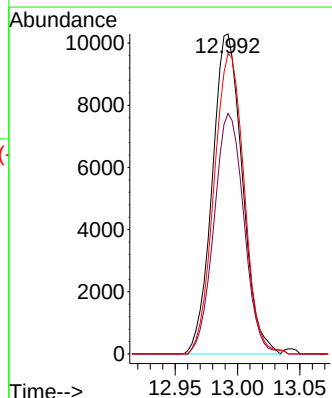
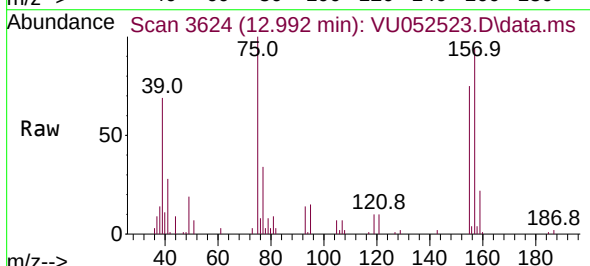
Tgt Ion: 75 Resp: 17299

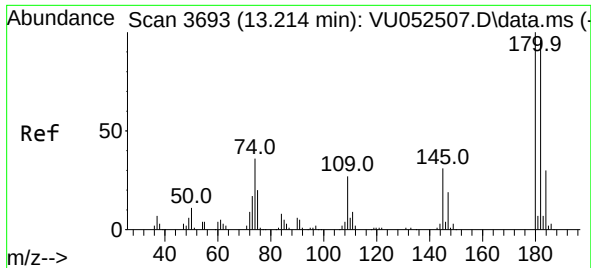
Ion Ratio Lower Upper

75 100

155 75.2 62.2 93.2

157 93.9 73.0 109.4

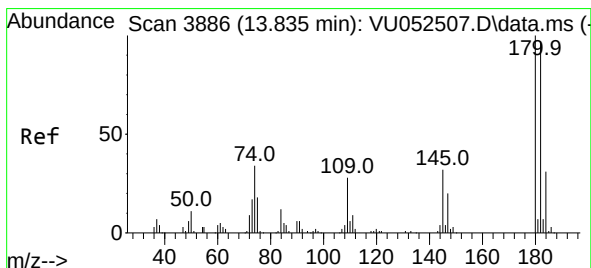
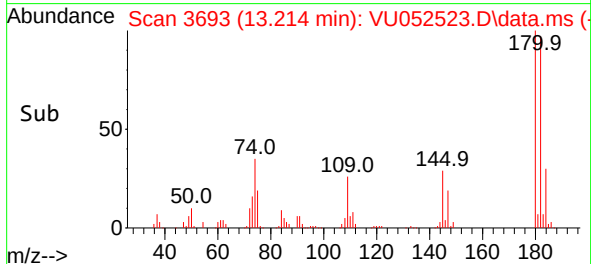
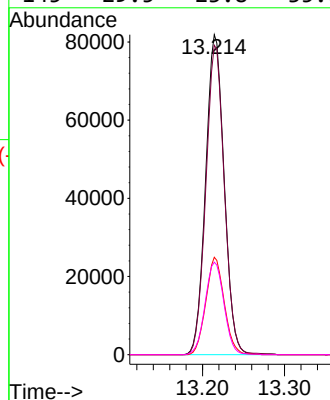
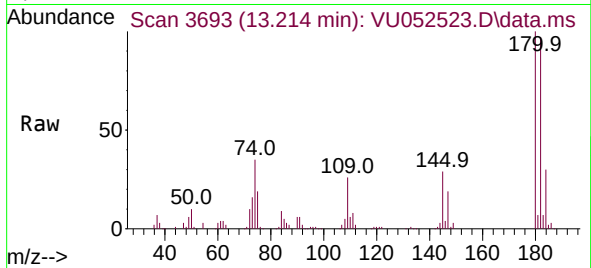




#69
 1,3,5-Trichlorobenzene
 Concen: 4.813 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052523.D
 Acq: 23 Dec 2022 04:21

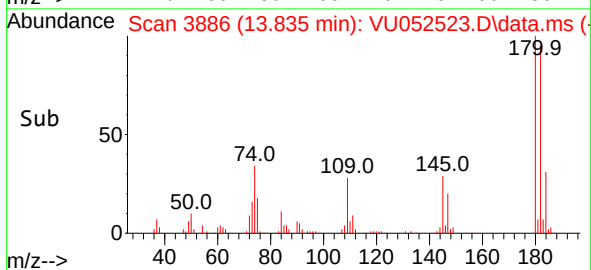
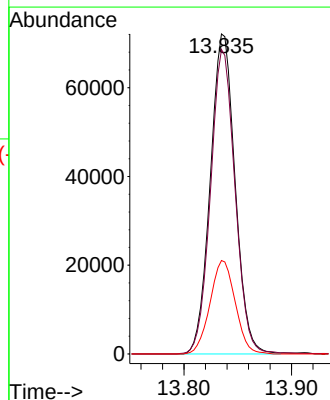
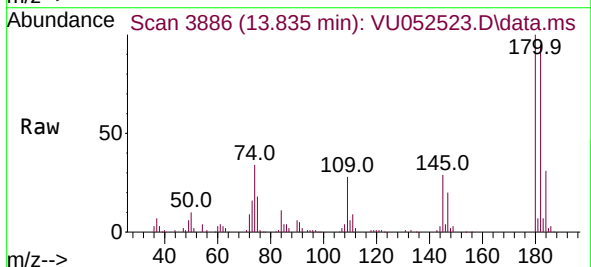
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

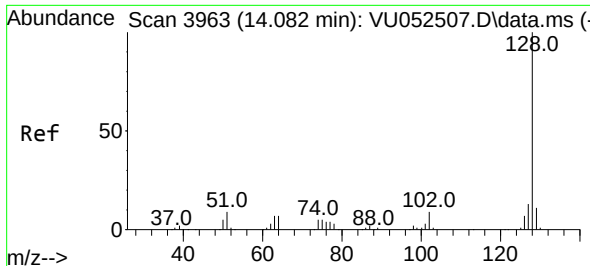
Tgt Ion:180 Resp: 128786
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.8 113.8
 184 30.2 23.4 35.0
 145 29.5 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.124 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052523.D
 Acq: 23 Dec 2022 04:21

Tgt Ion:180 Resp: 115385
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.7 116.5
 145 29.7 24.0 36.0

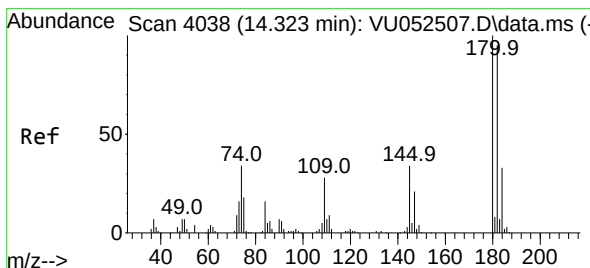
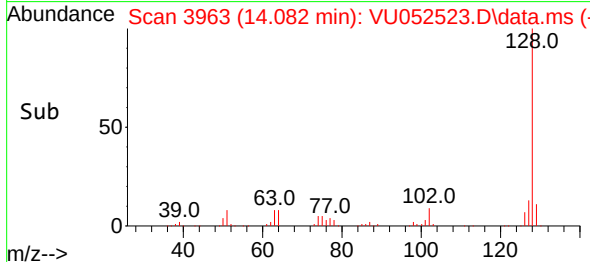
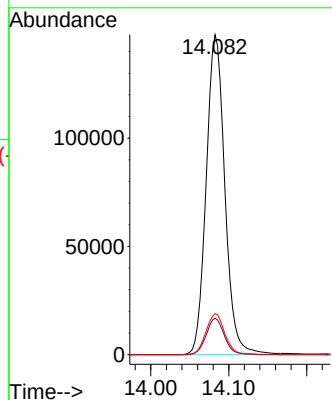
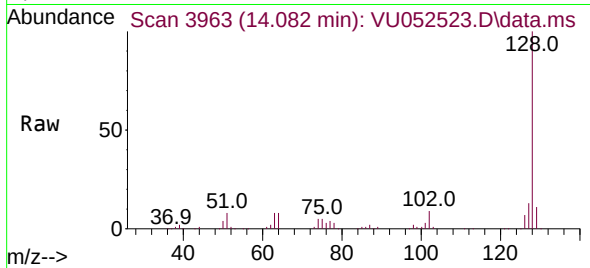




#71
Naphthalene
Concen: 5.399 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

Tgt Ion:128 Resp: 245960
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.048 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052523.D
Acq: 23 Dec 2022 04:21

Tgt Ion:180 Resp: 113928
Ion Ratio Lower Upper
180 100
182 95.0 76.3 114.5
145 32.3 25.8 38.8

