

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122922\
 Data File : VU052603.D
 Acq On : 29 Dec 2022 10:15
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

Quant Time: Dec 30 00:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 29 00:24:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	162483	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	158635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84747	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84458	5.131	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 102.600%	
7) Chloroethane-d5	1.916	69	76452	5.385	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 107.800%	
11) 1,1-Dichloroethene-d2	2.568	65	35886	5.066	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 101.400%	
20) 2-Butanone-d5	4.636	46	256528	50.253	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 100.500%	
24) Chloroform-d	5.060	84	152312	5.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.600%	
26) 1,2-Dichloroethane-d4	5.700	65	82410	5.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 102.400%	
32) Benzene-d6	5.726	84	298442	5.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.800%	
36) 1,2-Dichloropropane-d6	6.687	67	101443	5.418	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 108.400%	
41) Toluene-d8	7.896	98	263451	5.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 115.400%	
43) trans-1,3-Dichloroprop...	8.176	79	35383	5.519	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 110.400%	
46) 2-Hexanone-d5	8.632	63	186304	53.117	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 106.240%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	83014	5.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 104.400%	
66) 1,2-Dichlorobenzene-d4	12.189	152	86847	5.034	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67364	4.659	ug/L	100
3) Chloromethane	1.520	50	102781	4.925	ug/L	98
5) Vinyl chloride	1.607	62	89998	4.757	ug/L	94
6) Bromomethane	1.861	94	42007	3.895	ug/L	97
8) Chloroethane	1.938	64	58314	4.501	ug/L	98
9) Trichlorofluoromethane	2.141	101	103782	4.852	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	62591	4.923	ug/L	100
12) 1,1-Dichloroethene	2.581	96	57983	4.765	ug/L	92
13) Acetone	2.658	43	156440	41.572	ug/L	97
14) Carbon disulfide	2.797	76	184848	4.714	ug/L	99
15) Methyl Acetate	2.957	43	38668	4.664	ug/L	100
16) Methylene chloride	3.044	84	77920	4.533	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	155361	4.783	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	63674	5.077	ug/L	100
19) 1,1-Dichloroethane	3.867	63	138675	5.084	ug/L	99
21) 2-Butanone	4.716	43	254491	45.919	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	69156	5.025	ug/L	95
23) Bromochloromethane	4.970	128	32086	5.031	ug/L	95
25) Chloroform	5.083	83	137318	5.196	ug/L	99

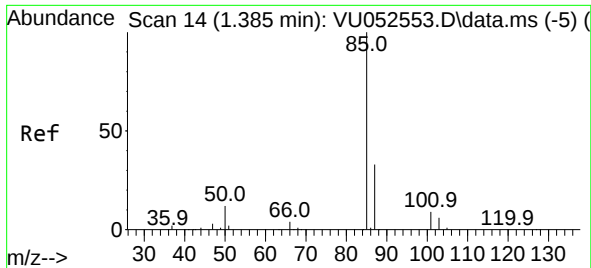
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122922\
 Data File : VU052603.D
 Acq On : 29 Dec 2022 10:15
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

Quant Time: Dec 30 00:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 29 00:24:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	91007	4.985	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	103164	5.167	ug/L	98
30) Cyclohexane	5.388	56	102627	4.757	ug/L	99
31) Carbon tetrachloride	5.523	117	85757	4.888	ug/L	98
33) Benzene	5.774	78	289227	5.062	ug/L	100
34) Trichloroethene	6.539	95	63983	4.790	ug/L	99
35) Methylcyclohexane	6.761	83	97019	4.817	ug/L	97
37) 1,2-Dichloropropane	6.787	63	83020	5.207	ug/L	100
38) Bromodichloromethane	7.102	83	97267	5.012	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	101903	5.046	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	578949	49.689	ug/L	98
42) Toluene	7.967	91	288130	5.259	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	91881	5.163	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	55710	4.933	ug/L	98
47) Tetrachloroethene	8.552	164	45348	4.864	ug/L	99
48) 2-Hexanone	8.684	43	435527	49.589	ug/L	99
49) Dibromochloromethane	8.806	129	61017	5.103	ug/L	98
50) 1,2-Dibromoethane	8.922	107	50148	4.885	ug/L	100
51) Chlorobenzene	9.443	112	173387	4.956	ug/L	97
52) Ethylbenzene	9.568	91	281096	4.958	ug/L	99
53) m,p-Xylene	9.690	106	109314	5.229	ug/L	98
54) o-Xylene	10.099	106	105176	5.248	ug/L	99
55) Styrene	10.111	104	173454	4.975	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	77417	4.959	ug/L	97
59) Bromoform	10.288	173	34589	4.645	ug/L	99
60) Isopropylbenzene	10.481	105	272180	4.955	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	54329	4.470	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	212126	4.683	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	218290	4.787	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	133789	4.909	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	132832	4.713	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	128188	4.760	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	11403	4.145	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	89515	4.461	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	71818	4.253	ug/L	97
71) Naphthalene	14.082	128	129954	3.803	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	69013	4.077	ug/L	98

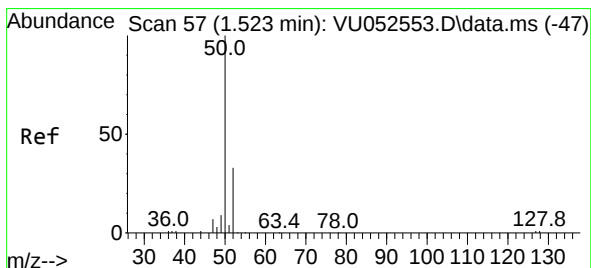
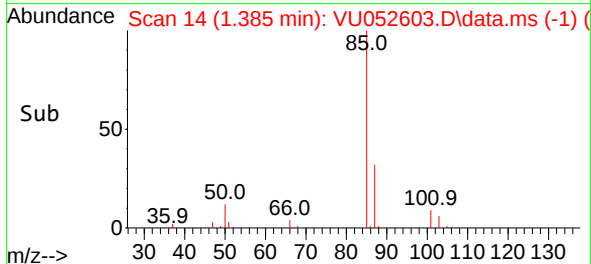
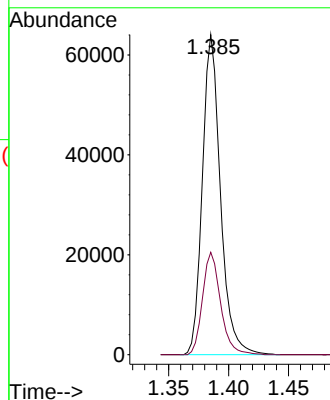
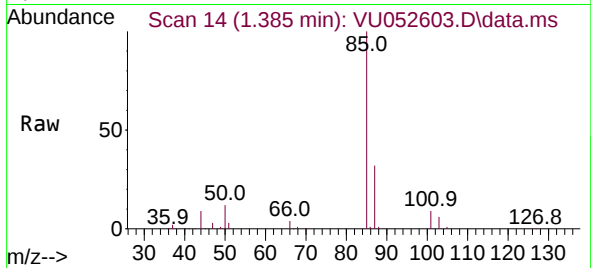
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#2
Dichlorodifluoromethane
Concen: 4.659 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

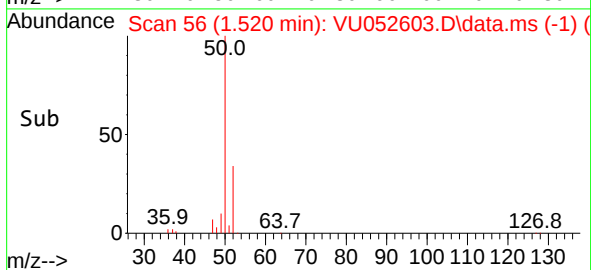
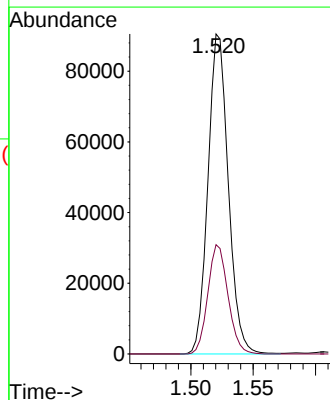
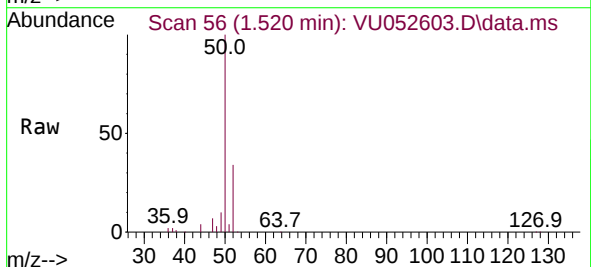
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MSVOA_U
ClientSampleId :
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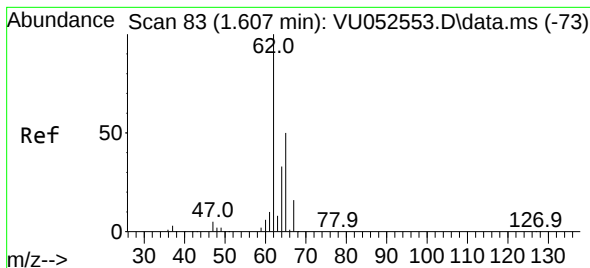
Tgt Ion: 85 Resp: 67364
Ion Ratio Lower Upper
85 100
87 31.9 25.6 38.4



#3
Chloromethane
Concen: 4.925 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 50 Resp: 102781
Ion Ratio Lower Upper
50 100
52 34.2 23.0 42.6





#5

Vinyl chloride

Concen: 4.757 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

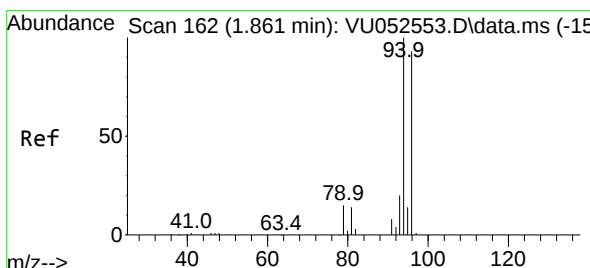
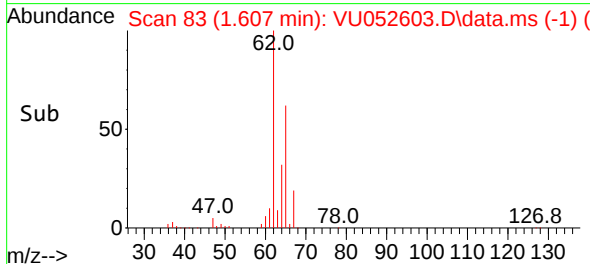
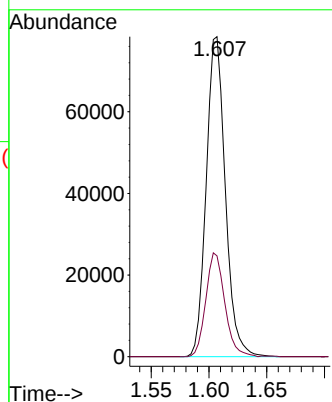
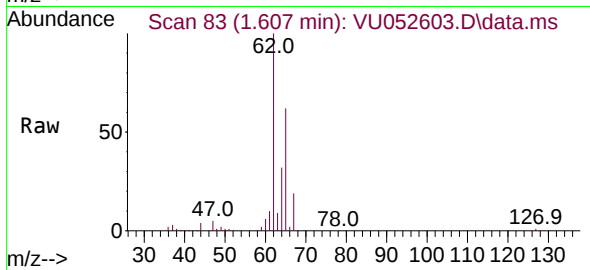
VSTD005122

Tgt Ion: 62 Resp: 89998

Ion Ratio Lower Upper

62 100

64 31.5 24.4 45.4



#6

Bromomethane

Concen: 3.895 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU052603.D

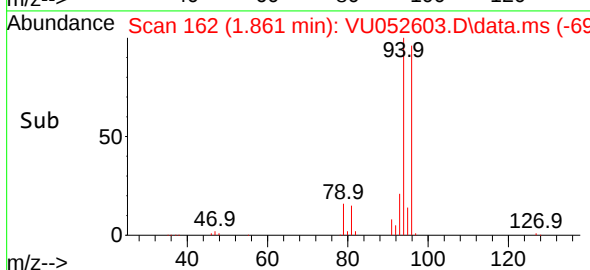
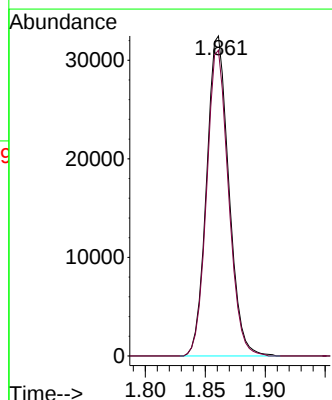
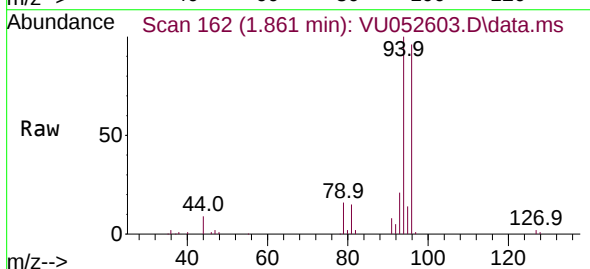
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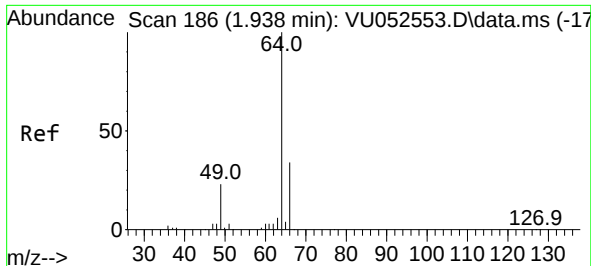
Tgt Ion: 94 Resp: 42007

Ion Ratio Lower Upper

94 100

96 95.6 65.0 120.8

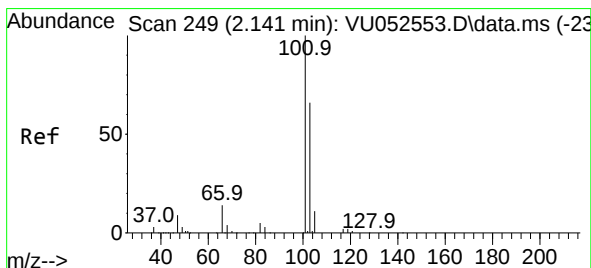
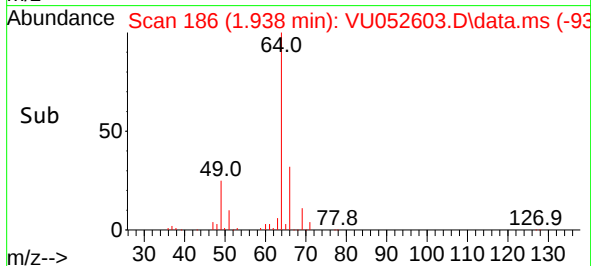
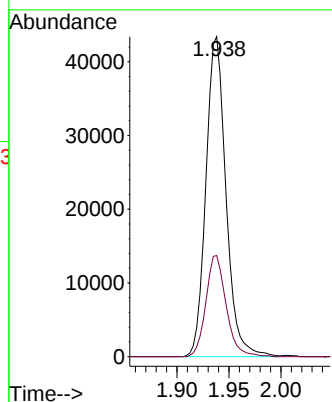
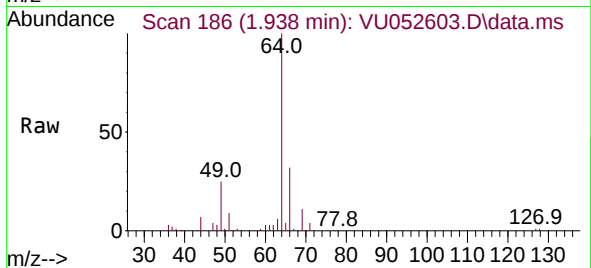




#8
Chloroethane
Concen: 4.501 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

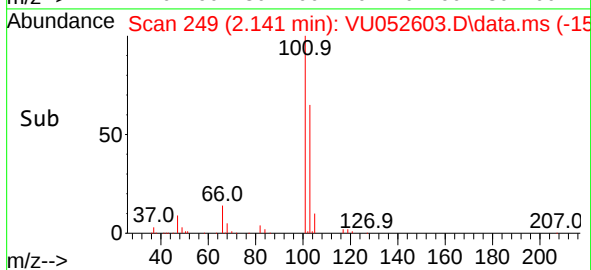
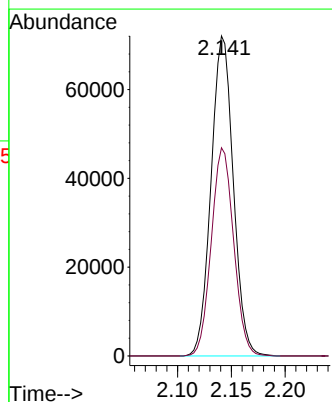
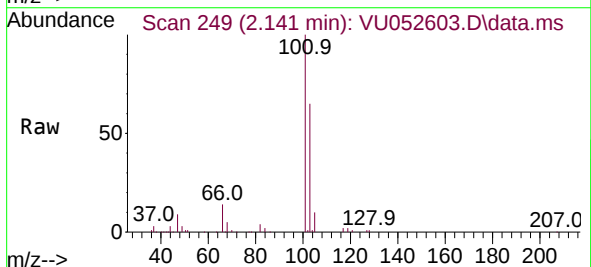
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ClientSampleId :
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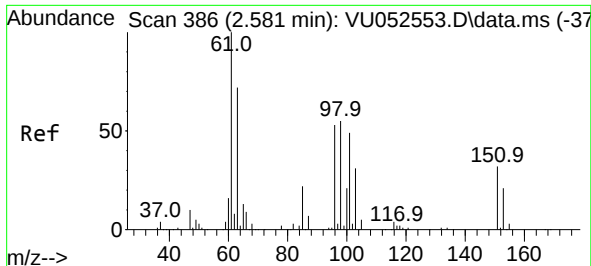
Tgt Ion: 64 Resp: 58314
Ion Ratio Lower Upper
64 100
66 31.6 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.852 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion:101 Resp: 103782
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0

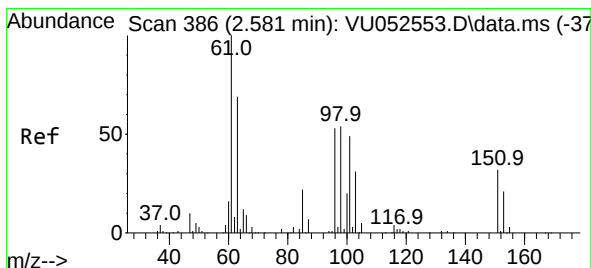
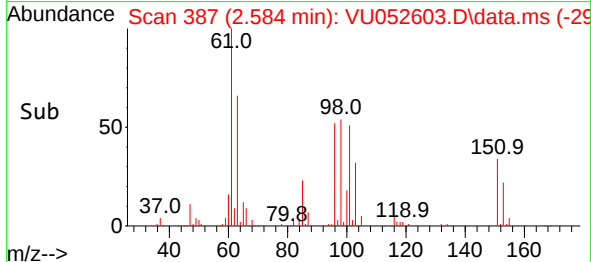
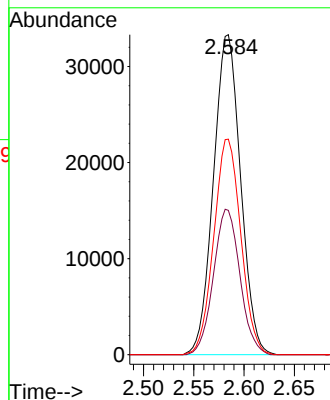
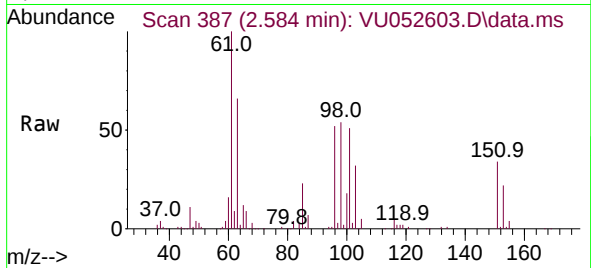




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.923 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

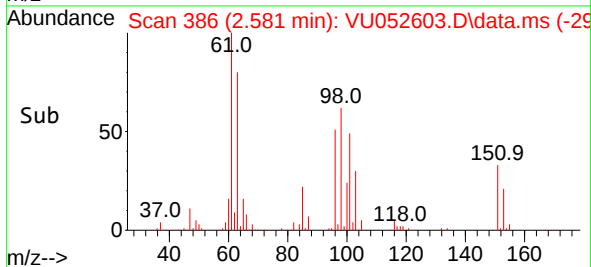
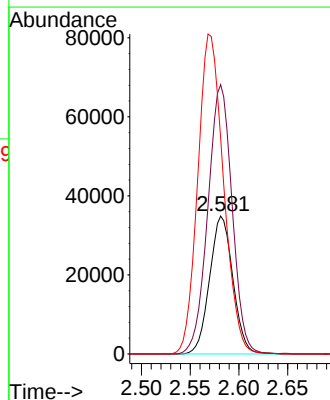
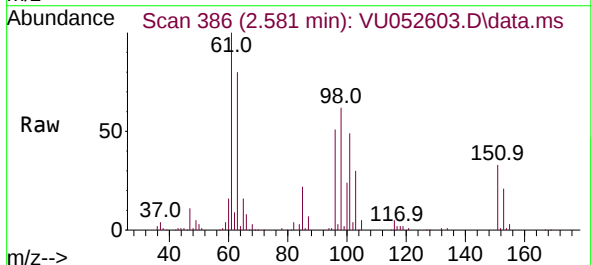
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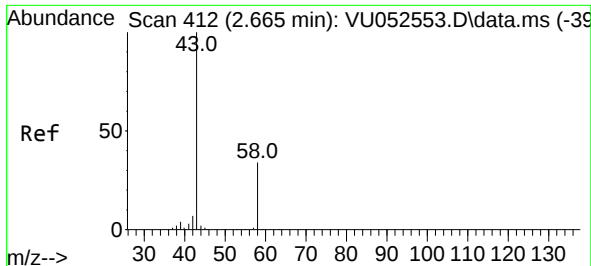
Tgt Ion: 101 Resp: 62591
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.8 53.6
 151 67.1 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.765 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

Tgt Ion: 96 Resp: 57983
 Ion Ratio Lower Upper
 96 100
 61 195.2 135.4 251.4
 63 156.3 95.4 177.2





#13

Acetone

Concen: 41.572 ug/L

RT: 2.658 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

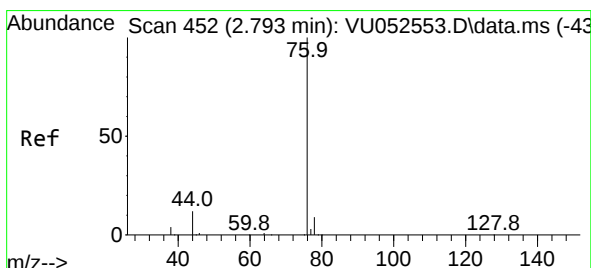
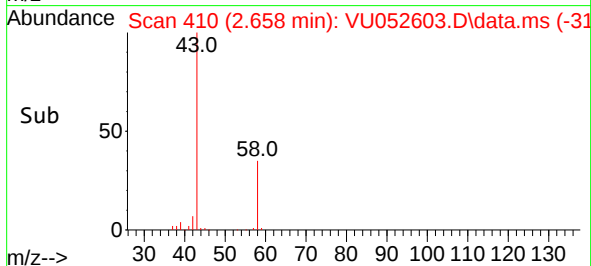
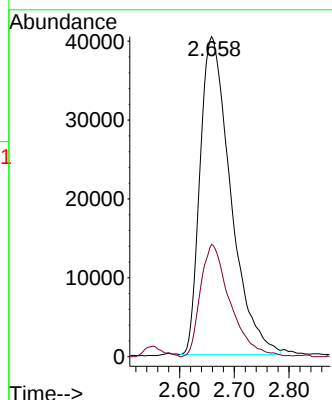
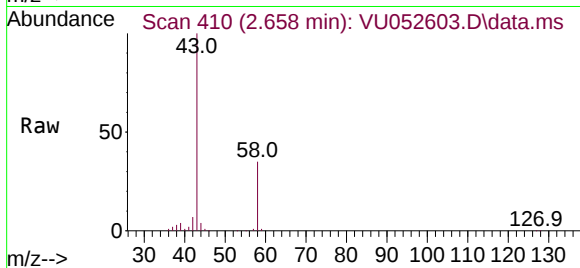
VSTD005122

Tgt Ion: 43 Resp: 156440

Ion Ratio Lower Upper

43 100

58 34.3 0.0 65.4



#14

Carbon disulfide

Concen: 4.714 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU052603.D

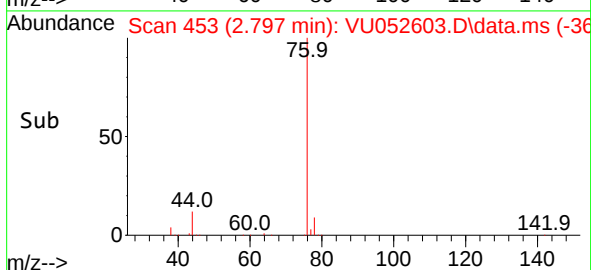
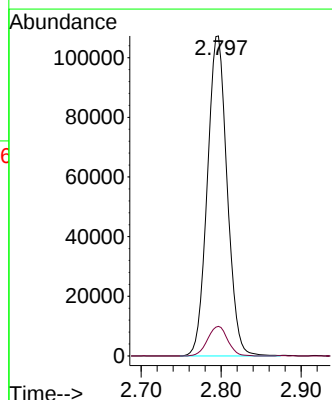
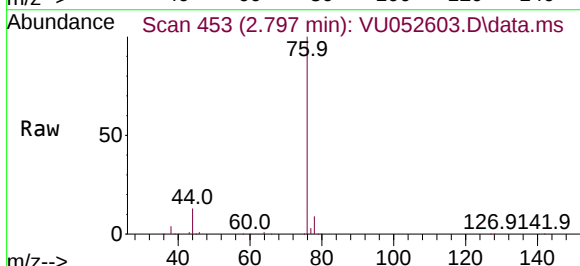
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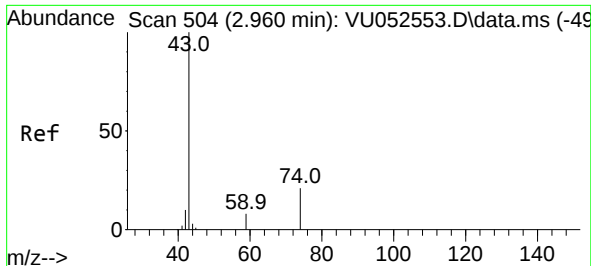
Tgt Ion: 76 Resp: 184848

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

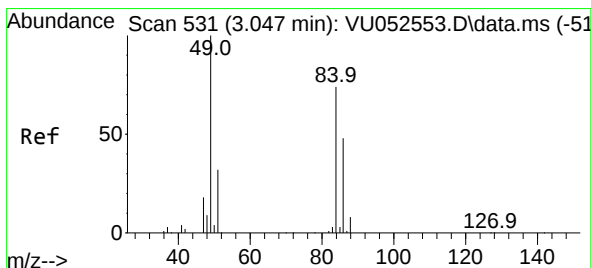
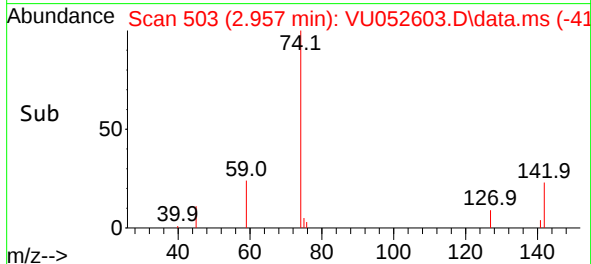
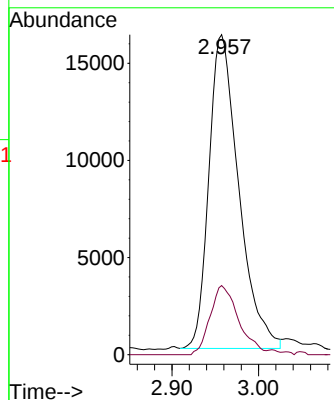
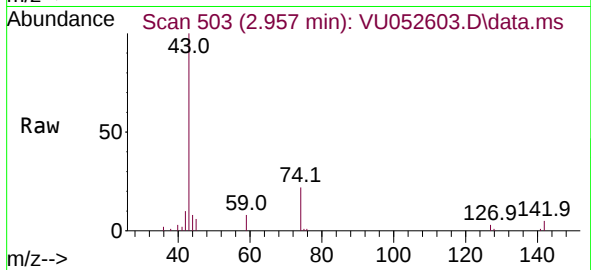




#15
Methyl Acetate
Concen: 4.664 ug/L
RT: 2.957 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

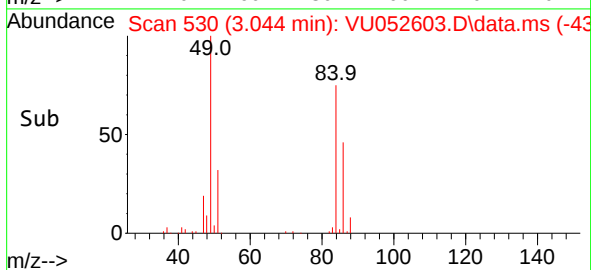
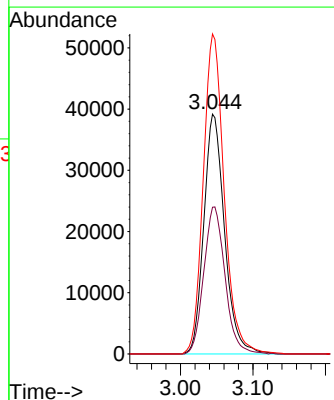
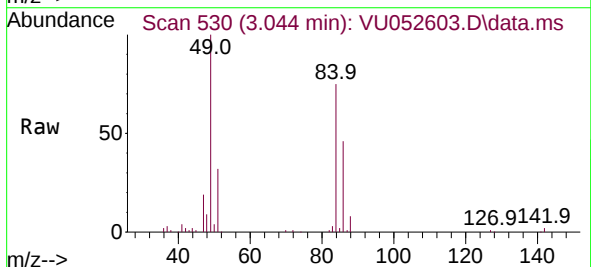
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

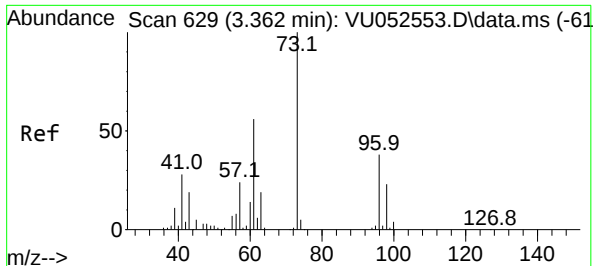
Tgt Ion: 43 Resp: 38668
Ion Ratio Lower Upper
43 100
74 21.0 16.9 25.3



#16
Methylene chloride
Concen: 4.533 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 84 Resp: 77920
Ion Ratio Lower Upper
84 100
86 61.2 44.7 83.1
49 133.4 93.3 173.3

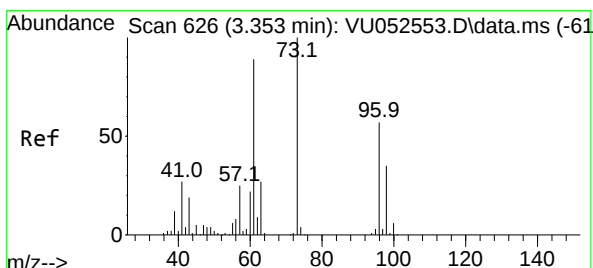
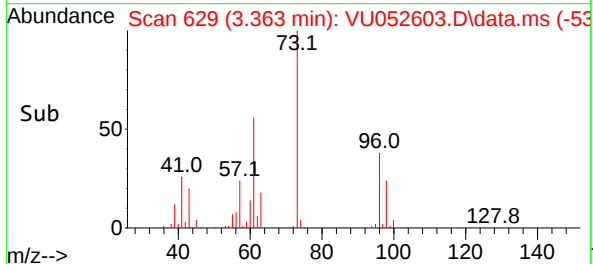
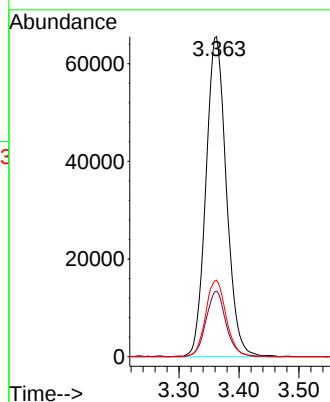
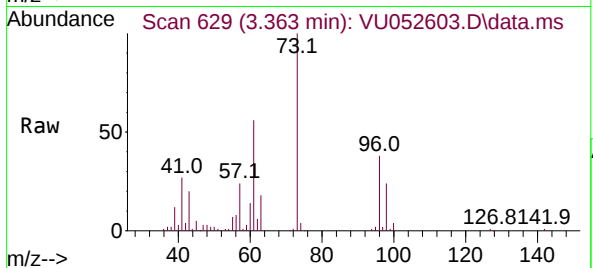




#17
Methyl tert-butyl Ether
Concen: 4.783 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

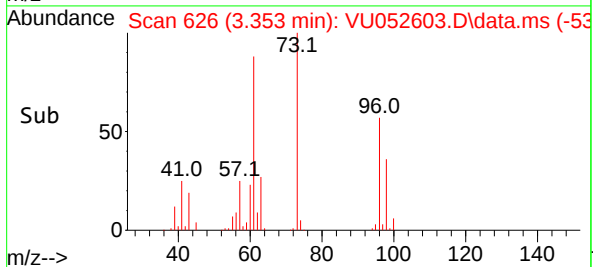
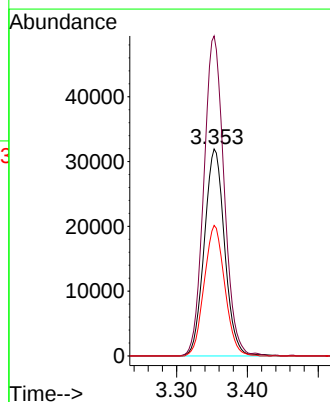
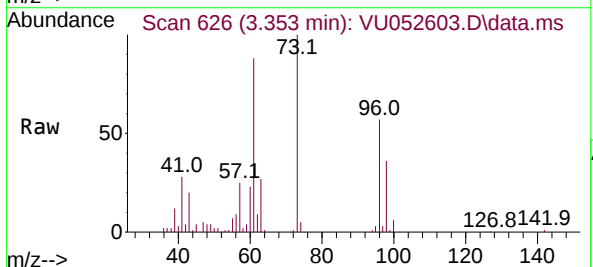
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

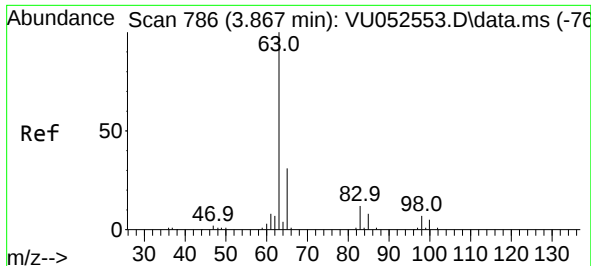
Tgt Ion: 73 Resp: 155361
Ion Ratio Lower Upper
73 100
43 19.7 16.1 24.1
57 23.9 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 5.077 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 96 Resp: 63674
Ion Ratio Lower Upper
96 100
61 154.5 108.3 201.1
98 63.1 44.0 81.6

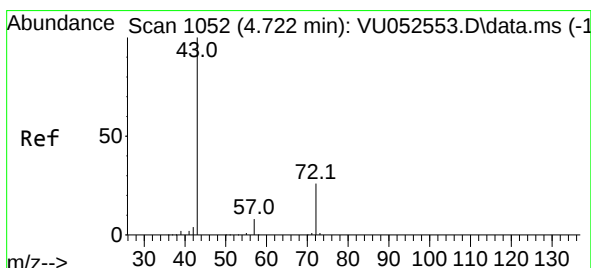
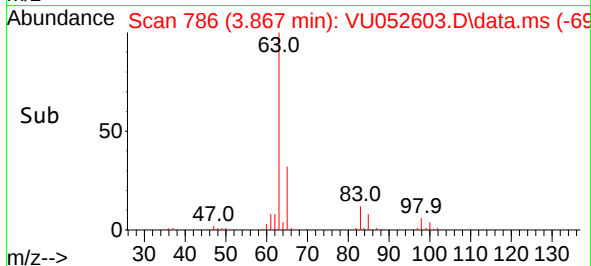
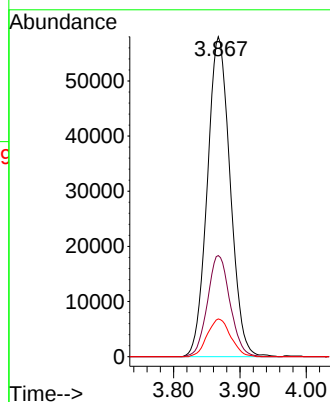
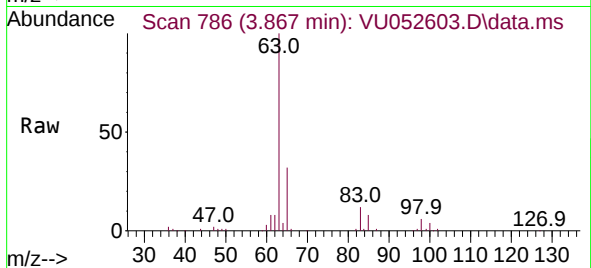




#19
1,1-Dichloroethane
Concen: 5.084 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

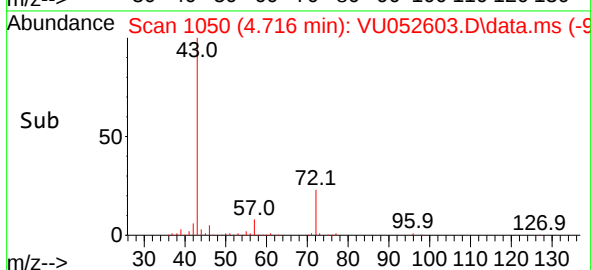
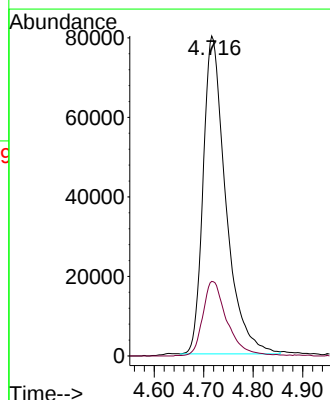
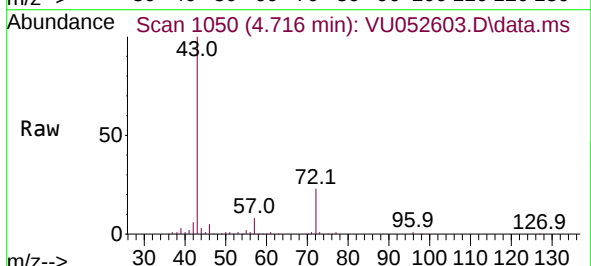
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

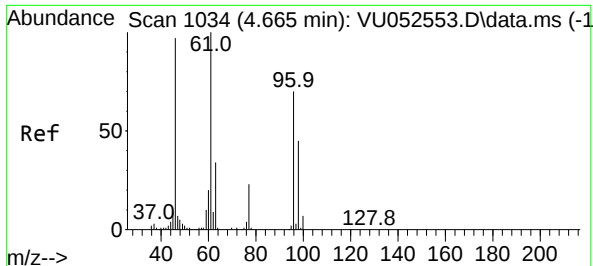
Tgt Ion: 63 Resp: 138675
Ion Ratio Lower Upper
63 100
65 31.6 22.0 40.8
83 11.8 9.0 16.8



#21
2-Butanone
Concen: 45.919 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 43 Resp: 254491
Ion Ratio Lower Upper
43 100
72 24.5 11.6 34.7

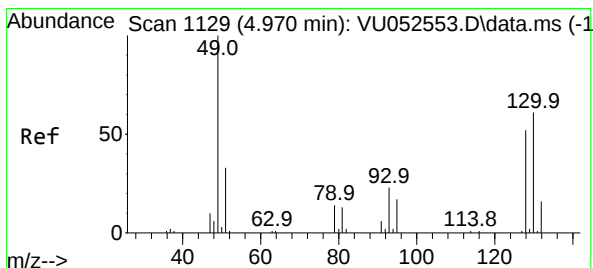
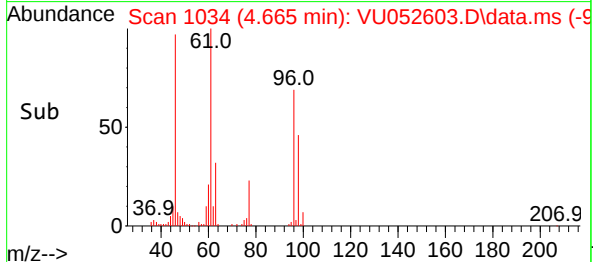
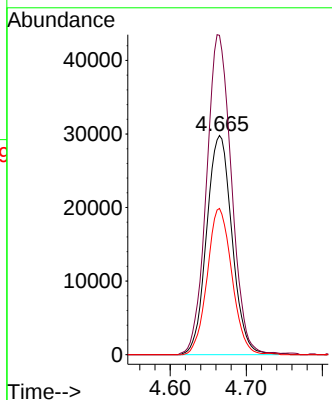
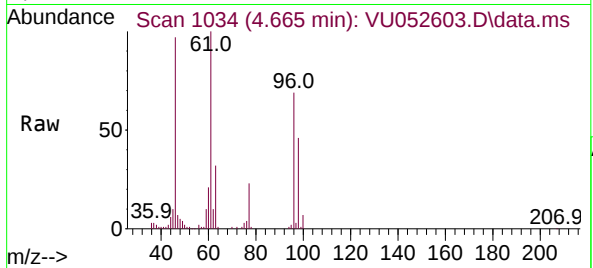




#22
 cis-1,2-Dichloroethene
 Concen: 5.025 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

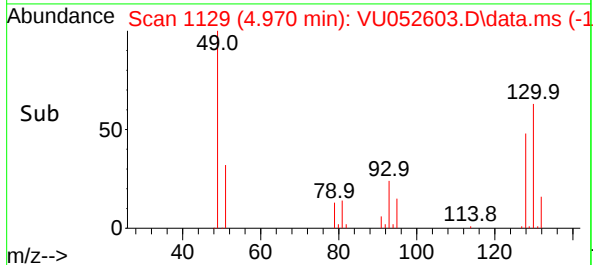
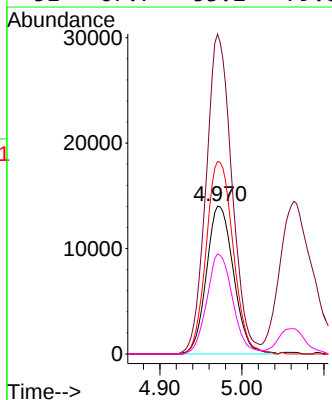
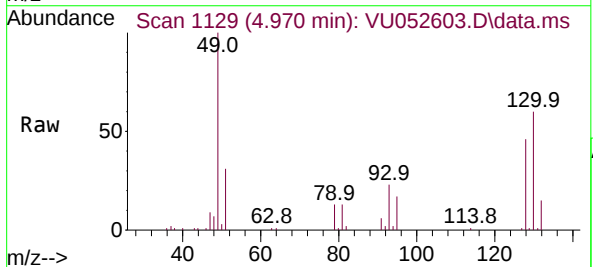
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

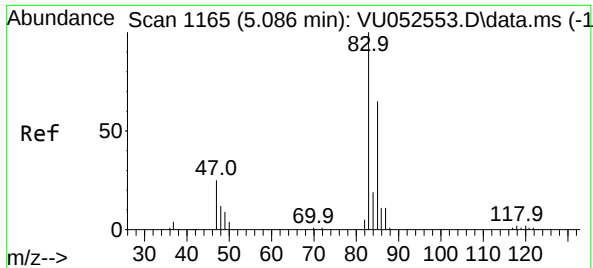
Tgt Ion: 96 Resp: 69156
 Ion Ratio Lower Upper
 96 100
 61 145.7 96.9 180.1
 98 66.8 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.031 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

Tgt Ion: 128 Resp: 32086
 Ion Ratio Lower Upper
 128 100
 49 216.5 143.3 266.1
 130 130.3 88.4 164.2
 51 67.7 53.2 79.8





#25

Chloroform

Concen: 5.196 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

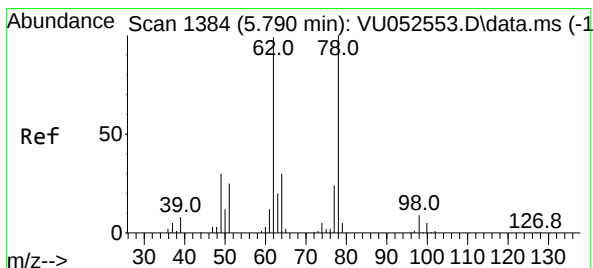
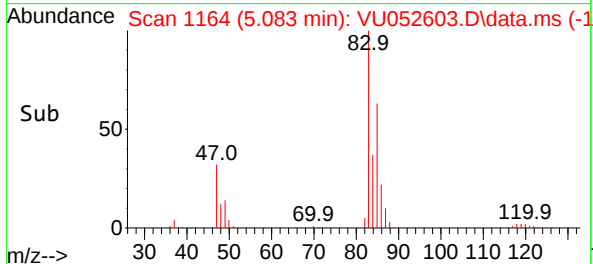
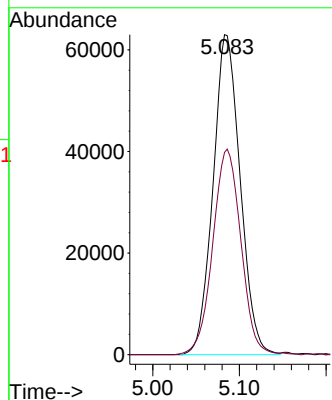
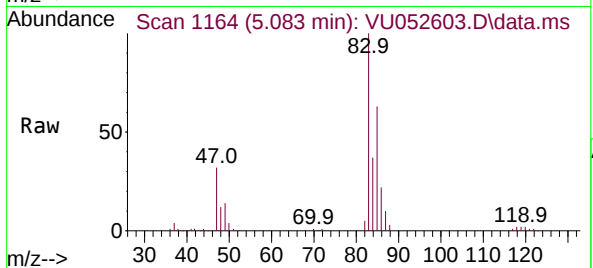
VSTD005122

Tgt Ion: 83 Resp: 137318

Ion Ratio Lower Upper

83 100

85 63.2 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.985 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052603.D

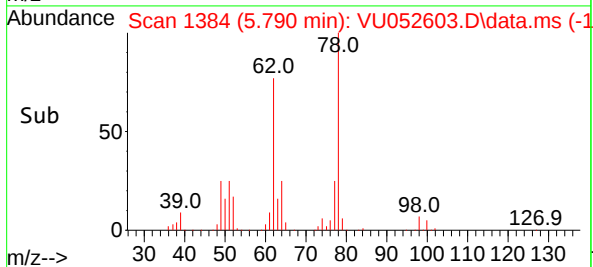
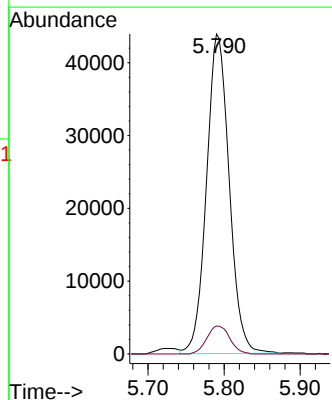
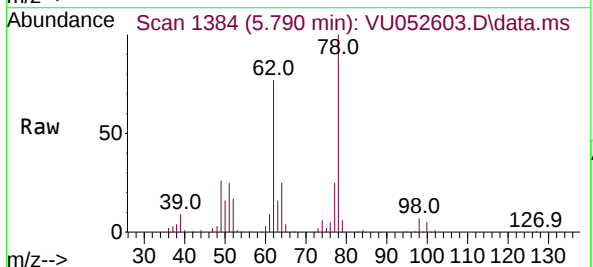
Acq: 29 Dec 2022 10:15

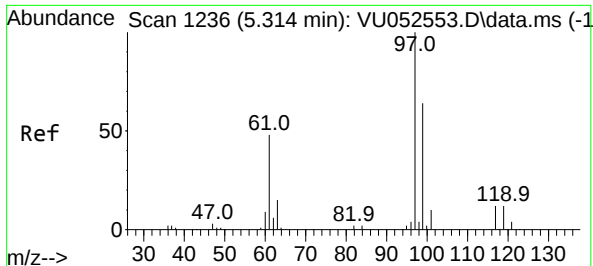
Tgt Ion: 62 Resp: 91007

Ion Ratio Lower Upper

62 100

98 8.7 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.167 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005122

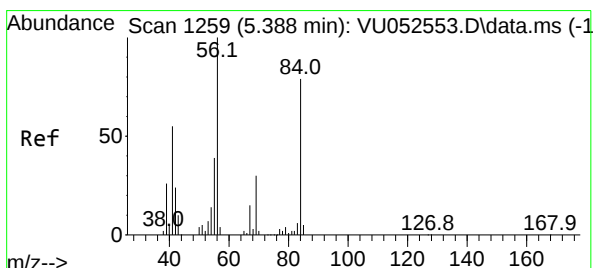
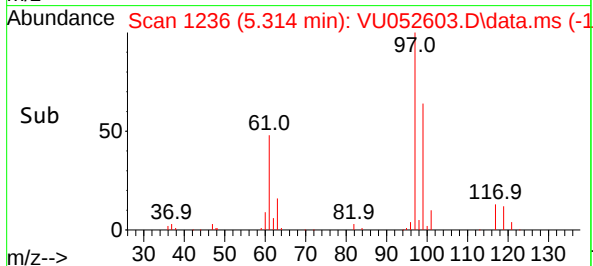
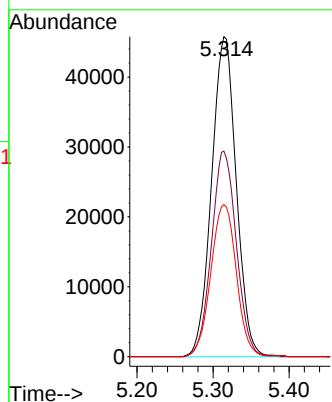
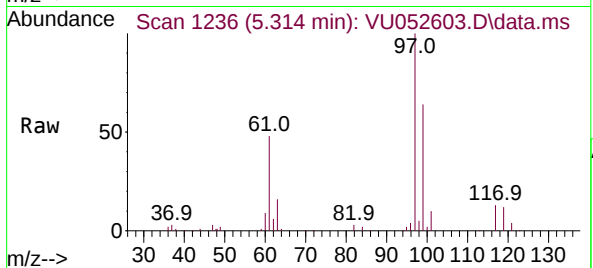
Tgt Ion: 97 Resp: 103164

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 49.2 41.6 62.4



#30

Cyclohexane

Concen: 4.757 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

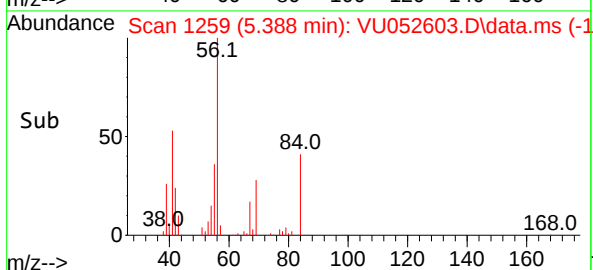
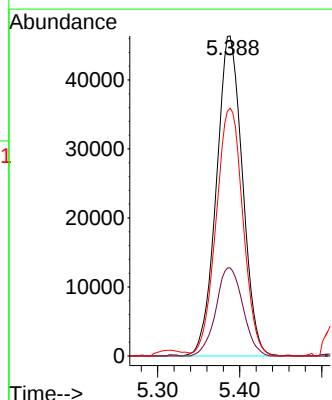
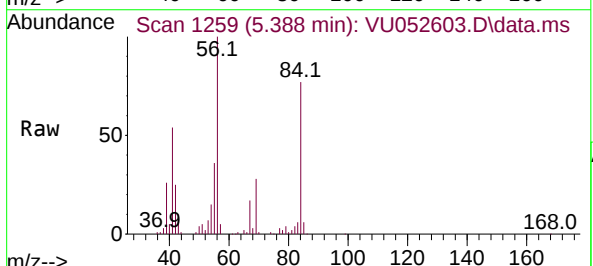
Tgt Ion: 56 Resp: 102627

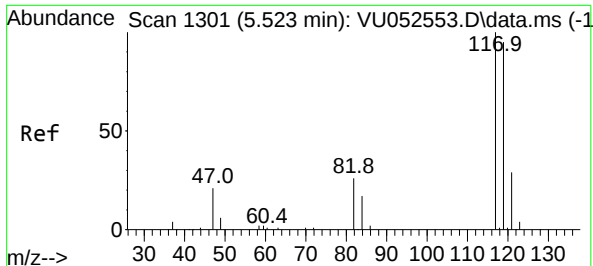
Ion Ratio Lower Upper

56 100

69 28.5 23.0 34.6

84 79.8 64.4 96.6

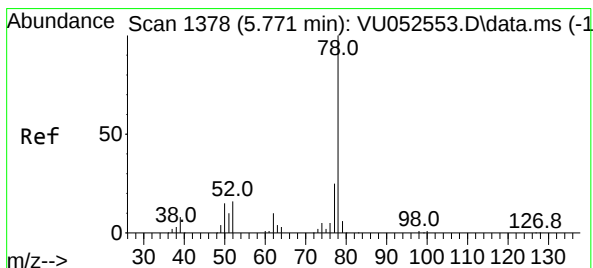
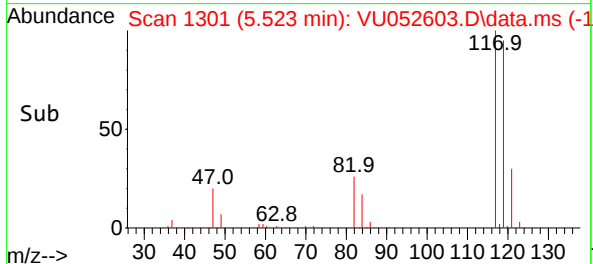
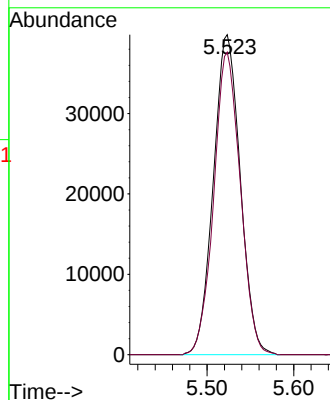
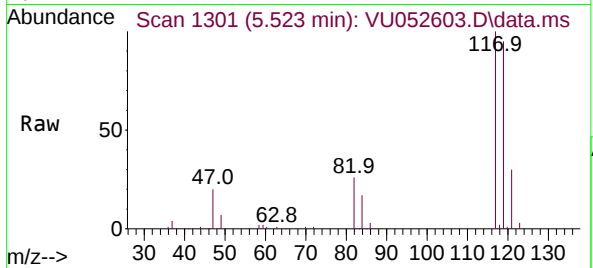




#31
Carbon tetrachloride
Concen: 4.888 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

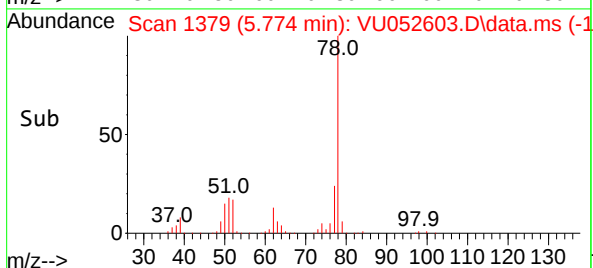
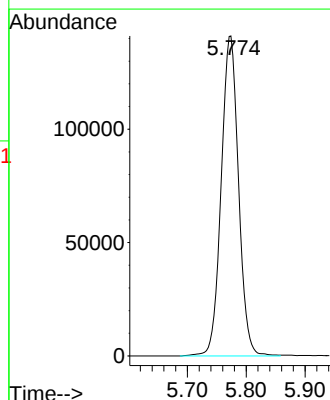
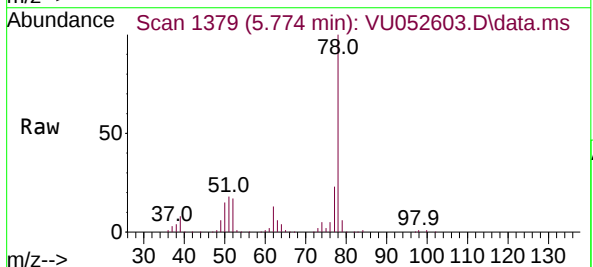
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

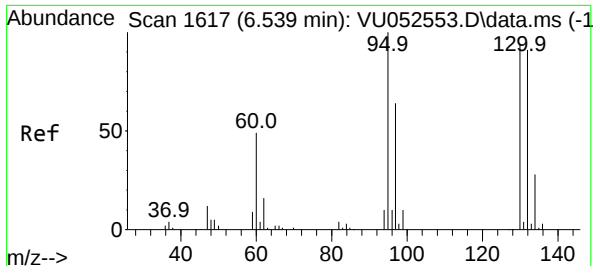
Tgt Ion:117 Resp: 85757
Ion Ratio Lower Upper
117 100
119 93.3 76.3 114.5



#33
Benzene
Concen: 5.062 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 78 Resp: 289227

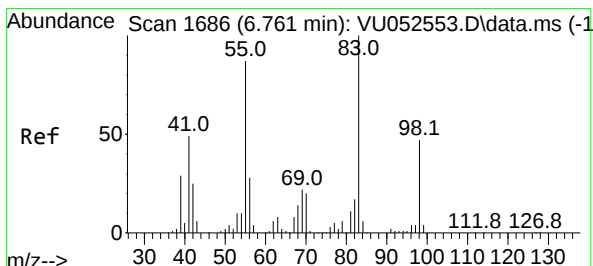
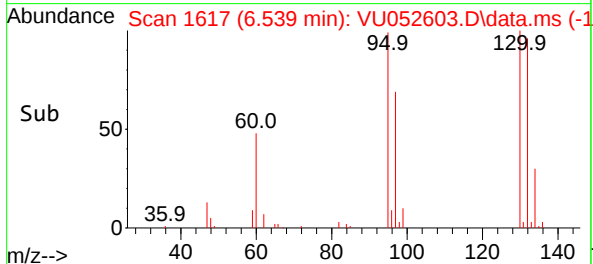
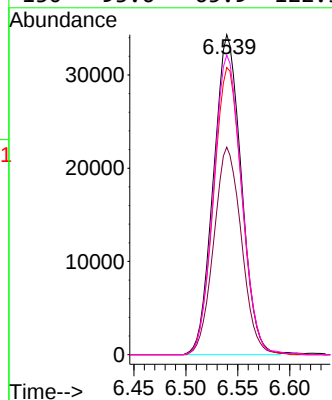
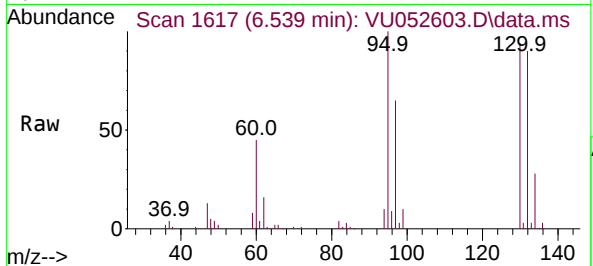




#34
Trichloroethene
Concen: 4.790 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

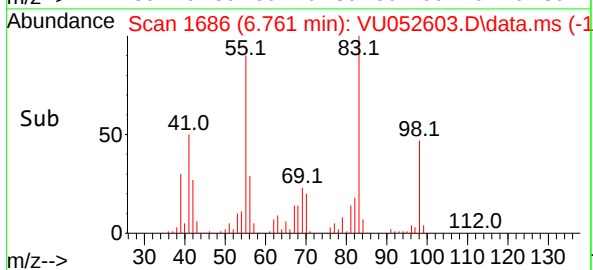
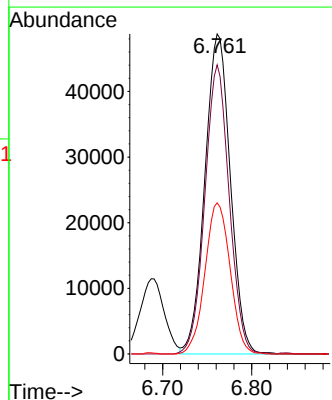
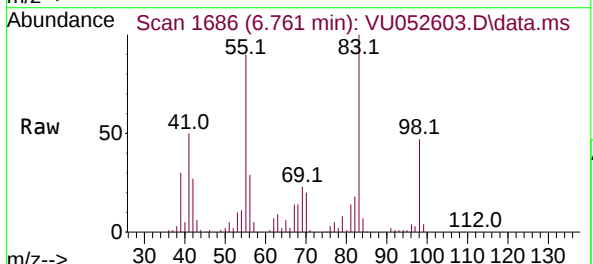
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

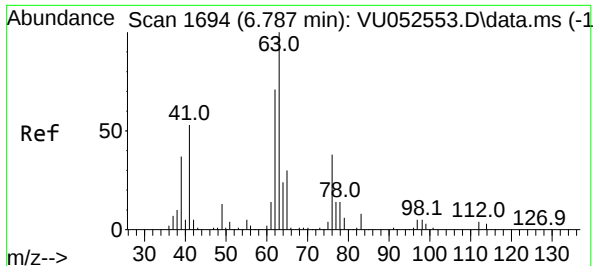
Tgt Ion: 95 Resp: 63983
Ion Ratio Lower Upper
95 100
97 64.9 46.3 86.1
132 89.7 63.9 118.7
130 93.6 65.9 122.5



#35
Methylcyclohexane
Concen: 4.817 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 83 Resp: 97019
Ion Ratio Lower Upper
83 100
55 86.2 71.4 107.0
98 46.6 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.207 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

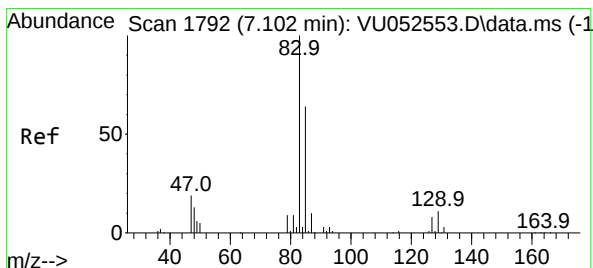
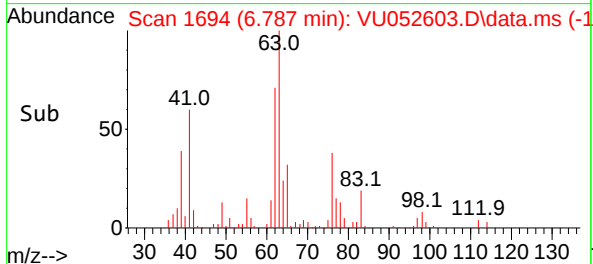
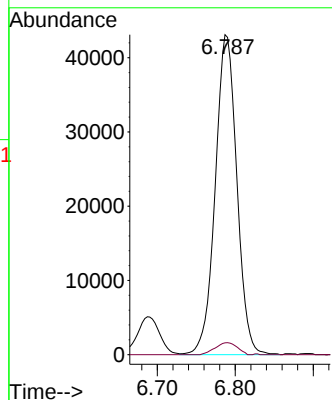
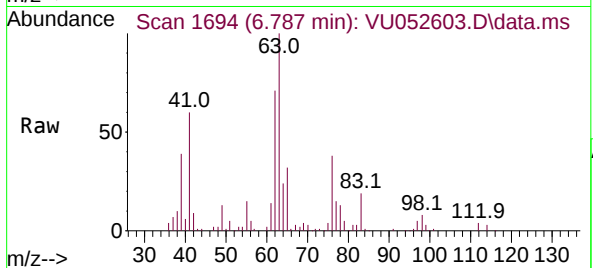
VSTD005122

Tgt Ion: 63 Resp: 83020

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.012 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

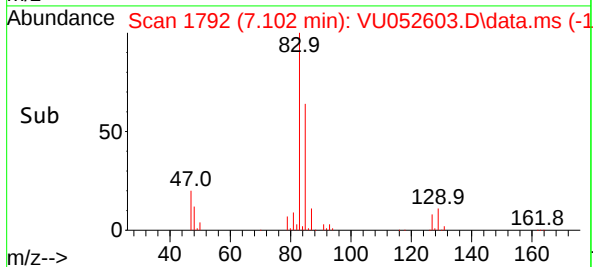
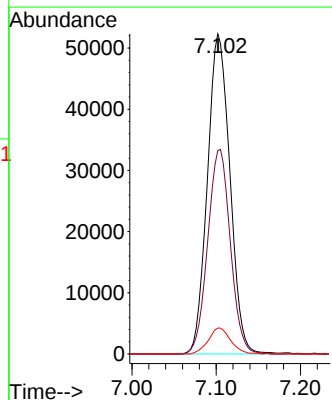
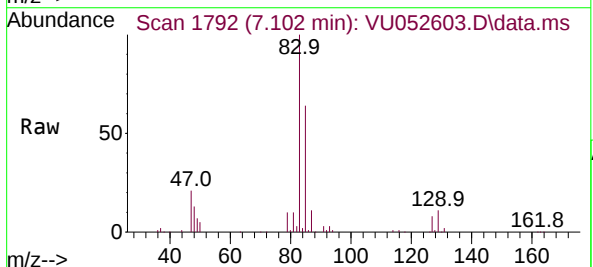
Tgt Ion: 83 Resp: 97267

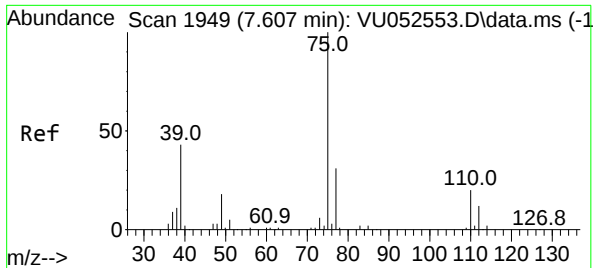
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 8.1 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

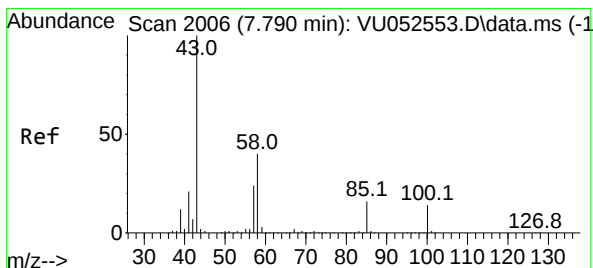
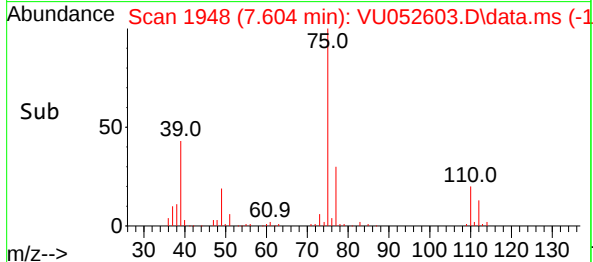
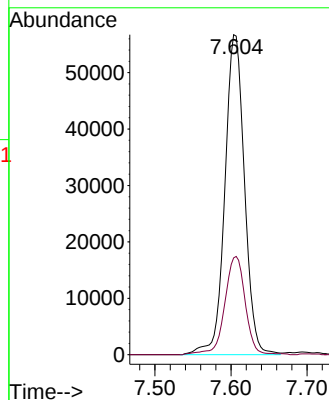
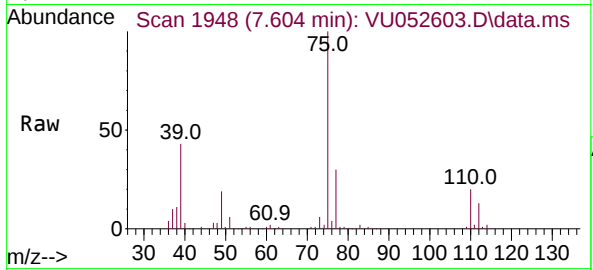
VSTD005122

Tgt Ion: 75 Resp: 101903

Ion Ratio Lower Upper

75 100

77 30.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 49.689 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

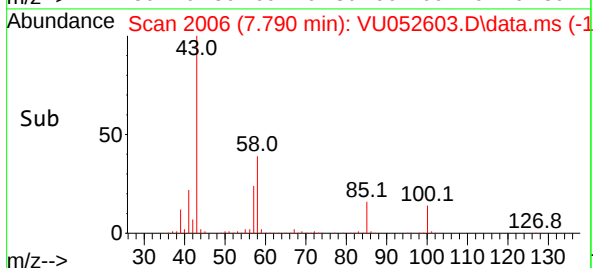
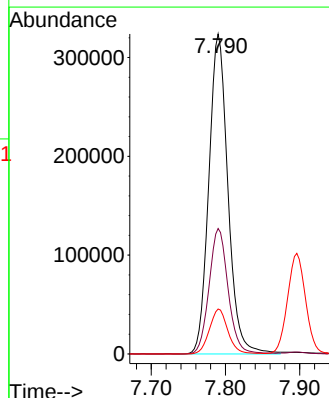
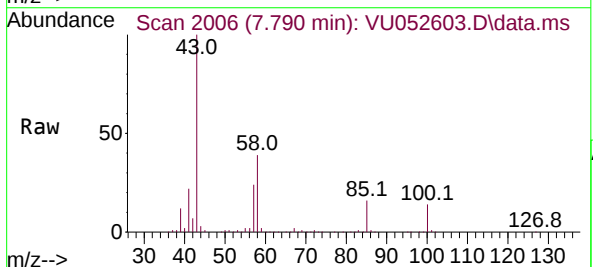
Tgt Ion: 43 Resp: 578949

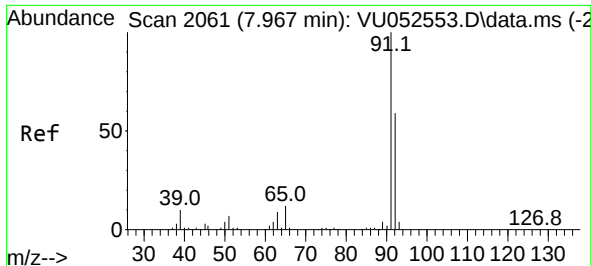
Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8

100 13.6 10.4 15.6





#42

Toluene

Concen: 5.259 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

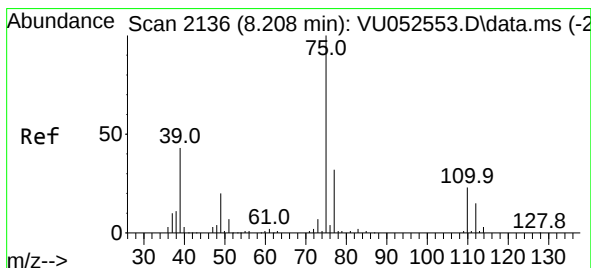
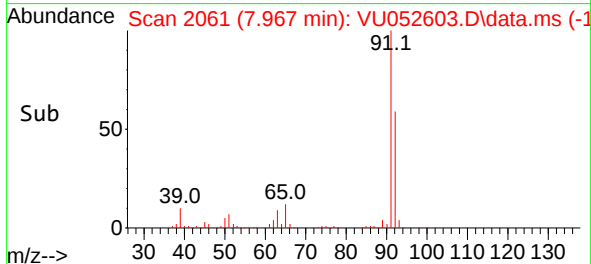
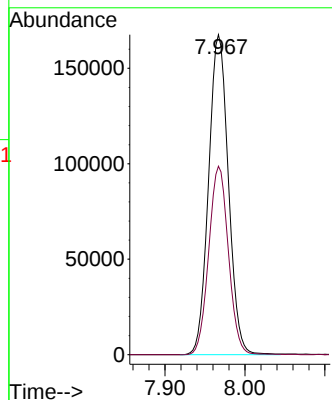
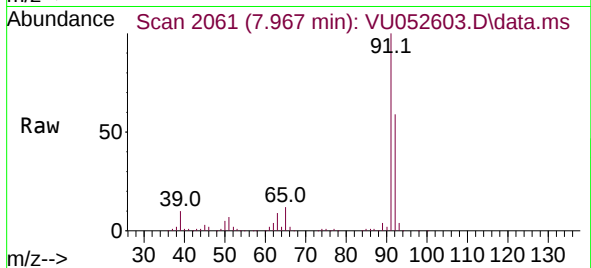
VSTD005122

Tgt Ion: 91 Resp: 288130

Ion Ratio Lower Upper

91 100

92 58.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052603.D

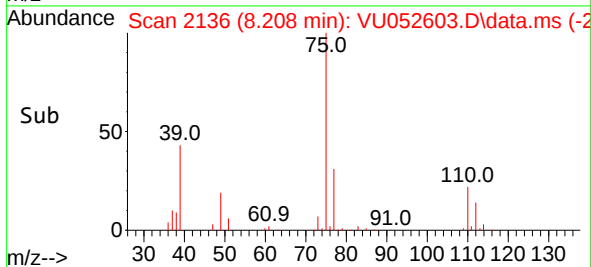
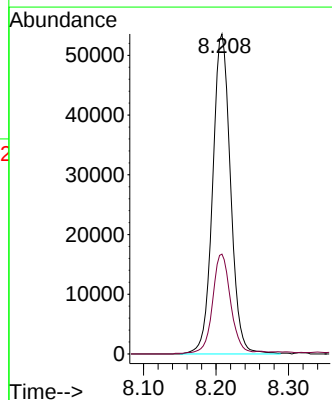
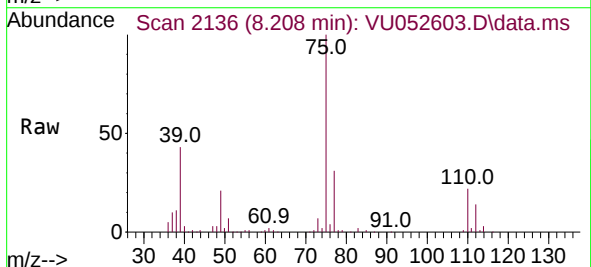
Acq: 29 Dec 2022 10:15

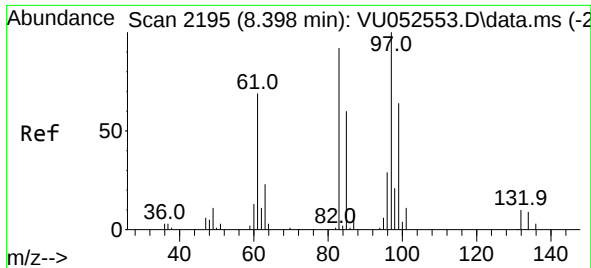
Tgt Ion: 75 Resp: 91881

Ion Ratio Lower Upper

75 100

77 31.2 22.8 42.4

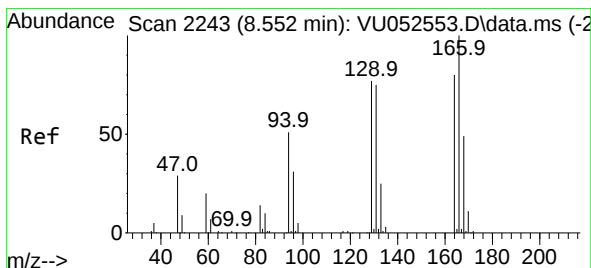
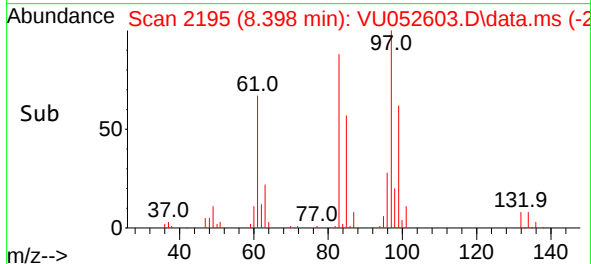
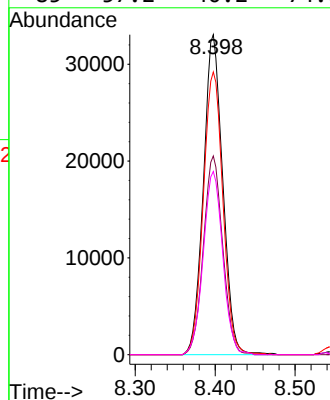
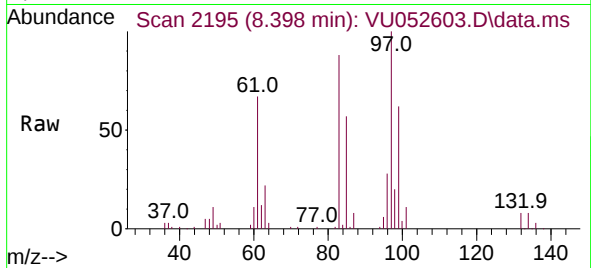




#45
1,1,2-Trichloroethane
Concen: 4.933 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

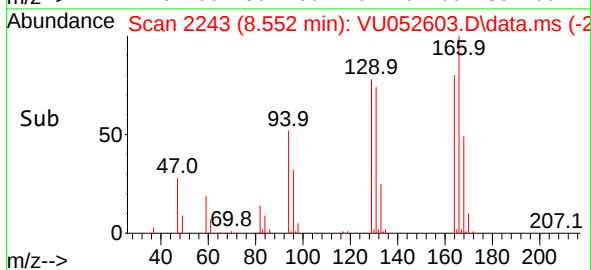
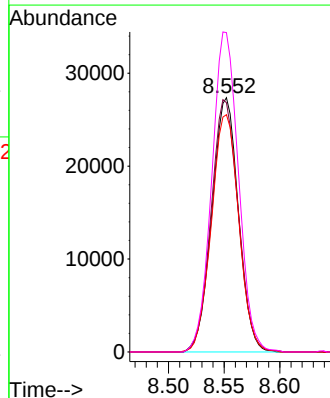
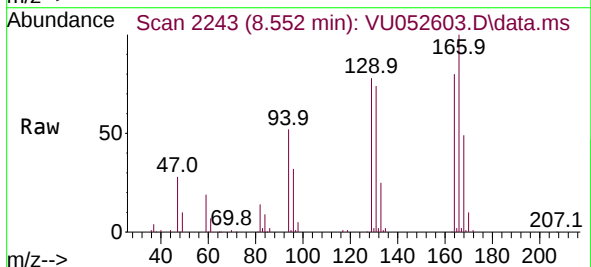
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

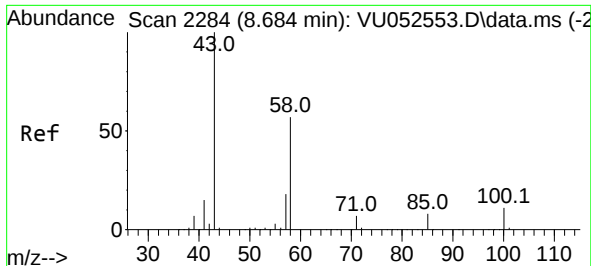
Tgt Ion: 97	Resp: 55710
Ion Ratio	Lower Upper
97 100	
99 62.1	42.0 78.0
83 88.4	63.2 117.4
85 57.2	40.2 74.6



#47
Tetrachloroethene
Concen: 4.864 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt	Ion:164	Resp:	45348
Ion	Ratio	Lower	Upper
164	100		
129	98.0	68.1	126.5
131	93.3	66.5	123.5
166	125.6	87.9	163.3

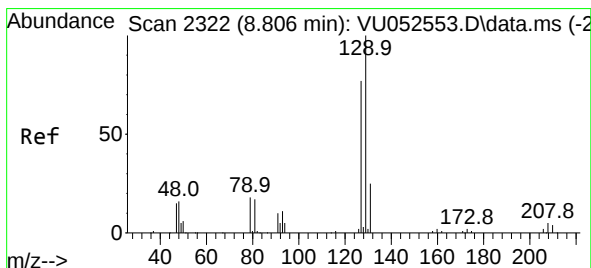
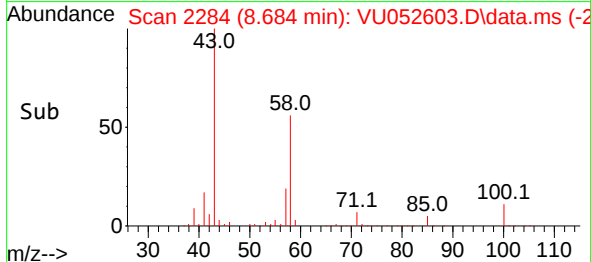
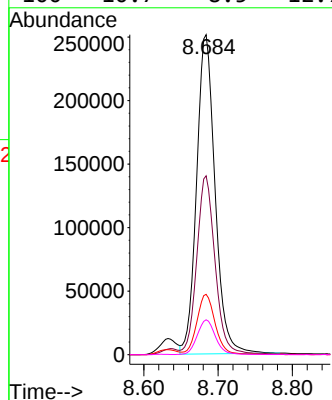
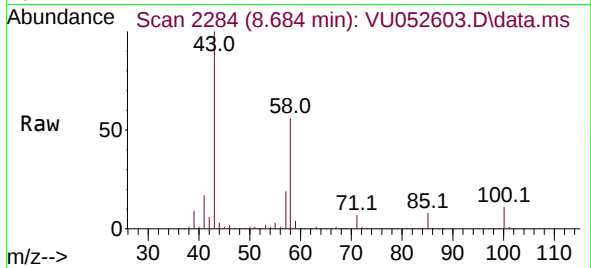




#48
2-Hexanone
Concen: 49.589 ug/L
RT: 8.684 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

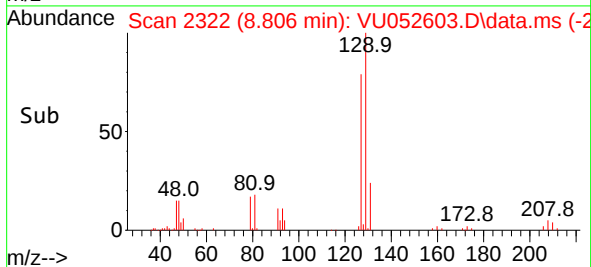
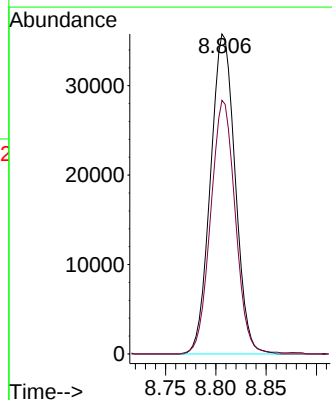
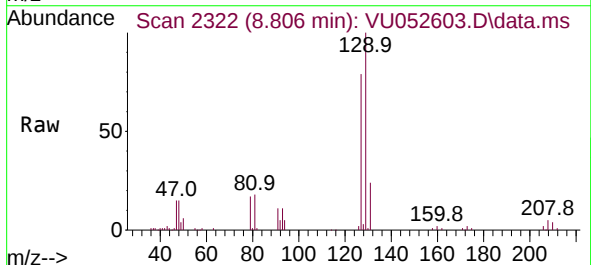
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

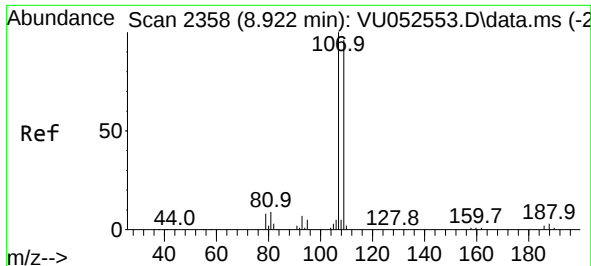
Tgt Ion: 43 Resp: 435527
Ion Ratio Lower Upper
43 100
58 55.6 44.1 66.1
57 18.6 14.6 21.8
100 10.7 8.5 12.7



#49
Dibromochloromethane
Concen: 5.103 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 129 Resp: 61017
Ion Ratio Lower Upper
129 100
127 79.2 54.2 100.6





#50

1,2-Dibromoethane

Concen: 4.885 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005122

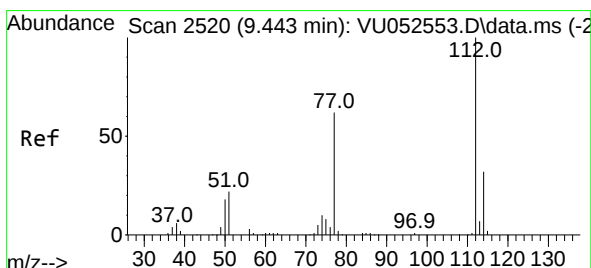
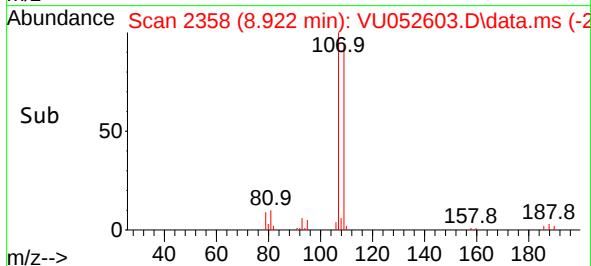
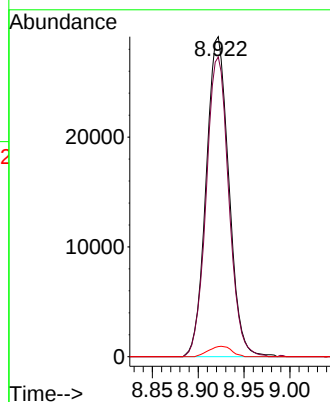
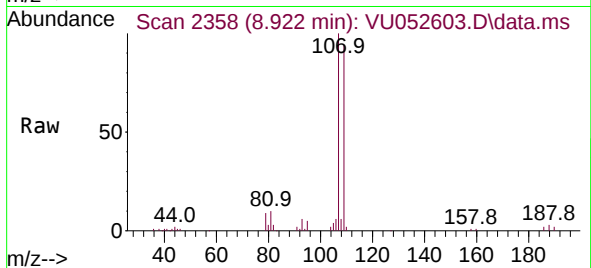
Tgt Ion:107 Resp: 50148

Ion Ratio Lower Upper

107 100

109 93.7 65.8 122.2

188 3.1 2.3 3.5



#51

Chlorobenzene

Concen: 4.956 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

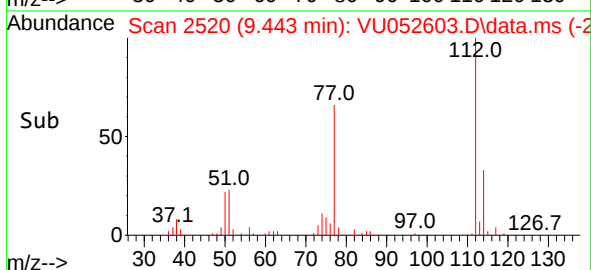
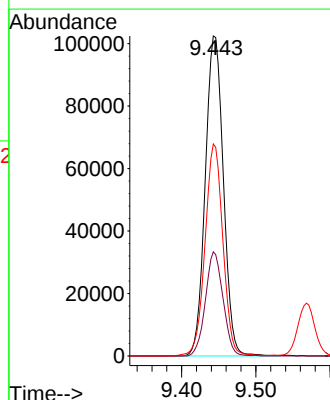
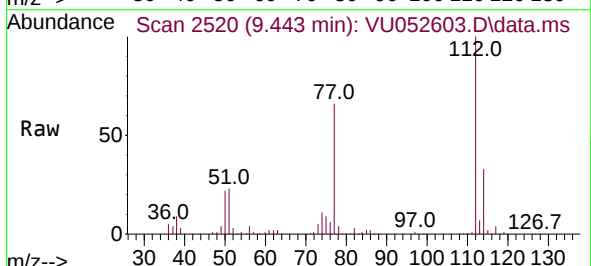
Tgt Ion:112 Resp: 173387

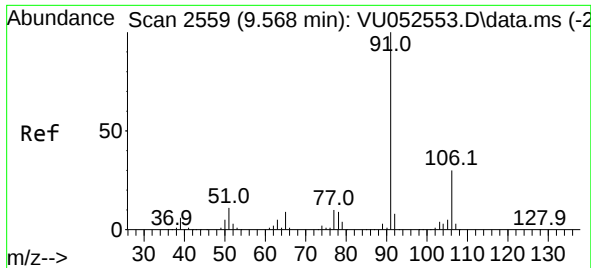
Ion Ratio Lower Upper

112 100

114 32.6 21.3 39.5

77 66.2 51.0 76.6

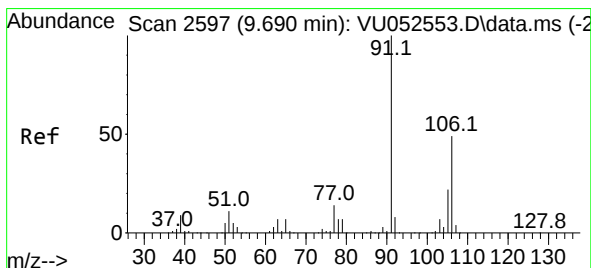
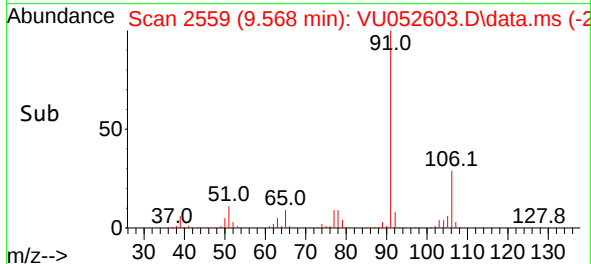
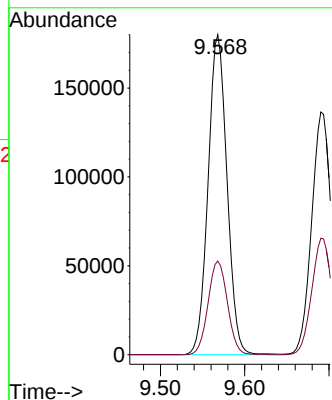
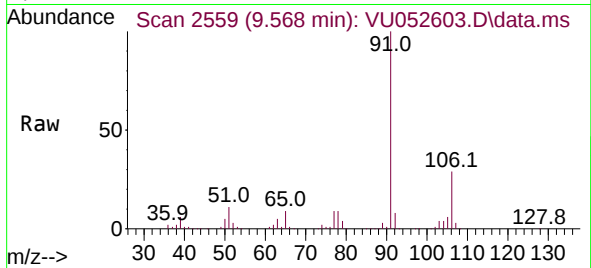




#52
Ethylbenzene
Concen: 4.958 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

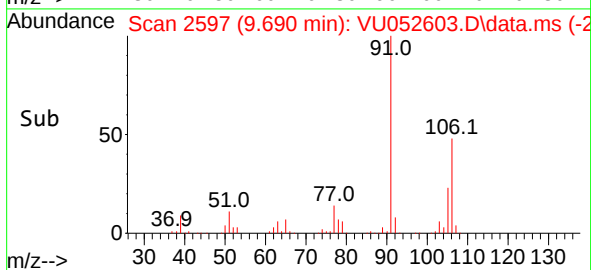
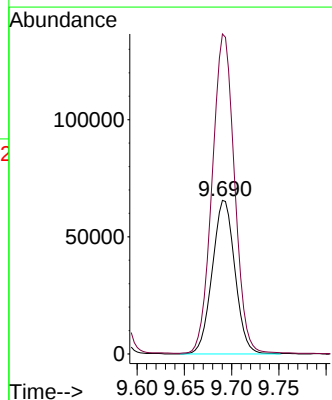
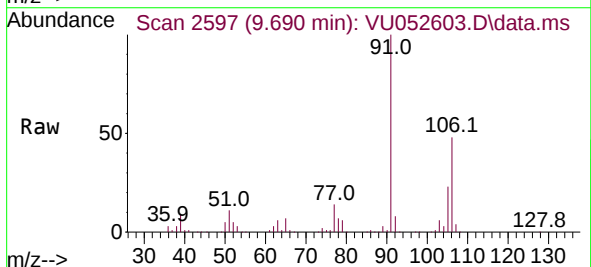
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

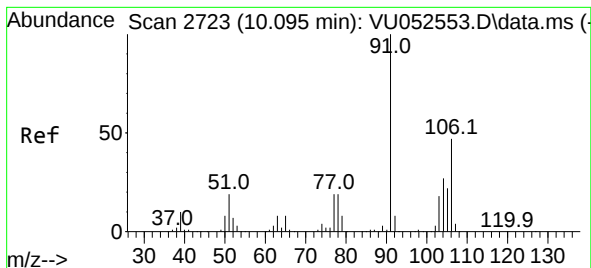
Tgt Ion: 91 Resp: 281096
Ion Ratio Lower Upper
91 100
106 29.2 20.9 38.7



#53
m,p-Xylene
Concen: 5.229 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 106 Resp: 109314
Ion Ratio Lower Upper
106 100
91 208.3 148.2 275.2





#54

o-Xylene

Concen: 5.248 ug/L

RT: 10.099 min Scan# 2723

Delta R.T. 0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

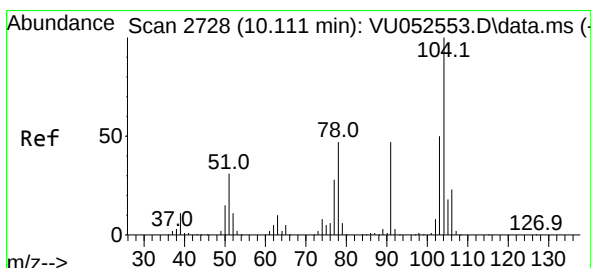
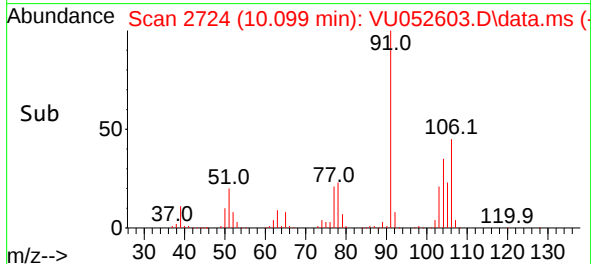
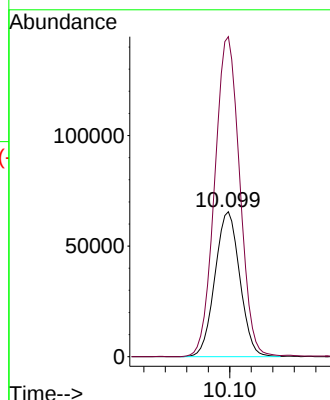
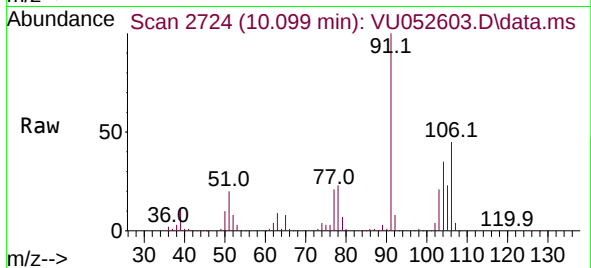
VSTD005122

Tgt Ion:106 Resp: 105176

Ion Ratio Lower Upper

106 100

91 220.8 153.2 284.4



#55

Styrene

Concen: 4.975 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052603.D

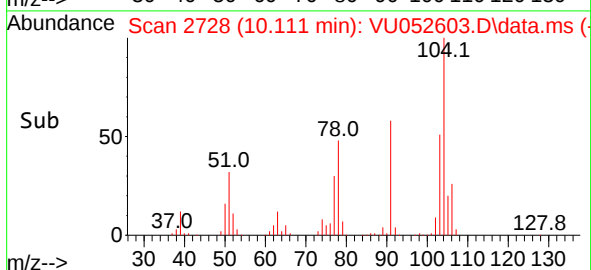
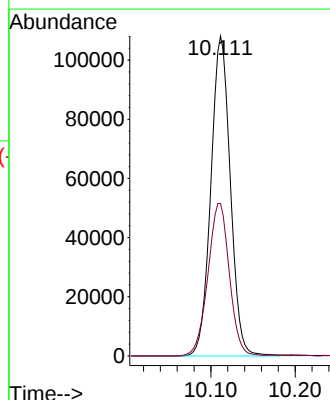
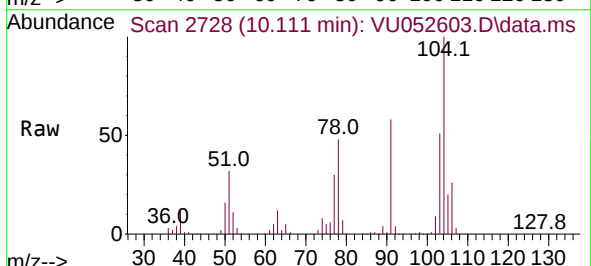
Acq: 29 Dec 2022 10:15

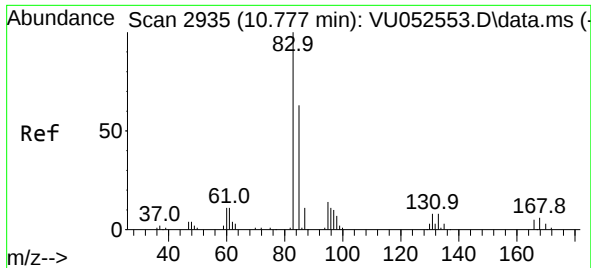
Tgt Ion:104 Resp: 173454

Ion Ratio Lower Upper

104 100

78 47.7 33.4 62.0

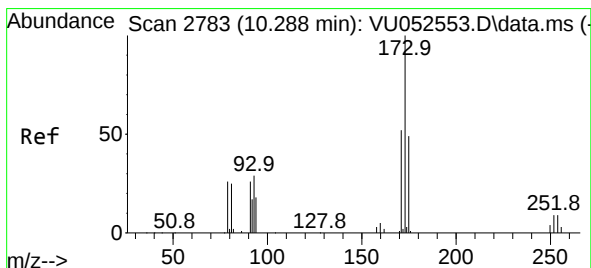
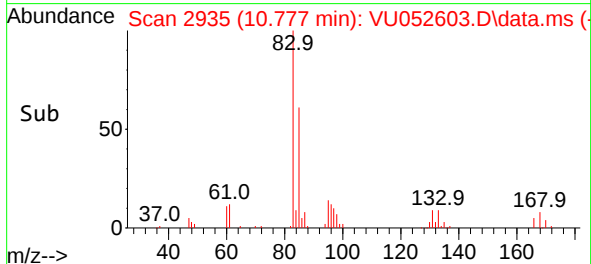
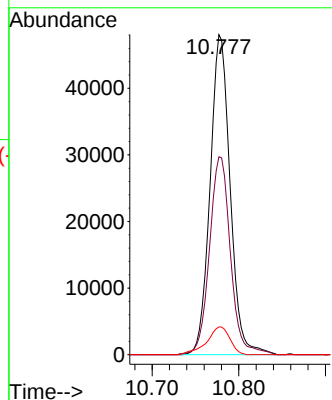
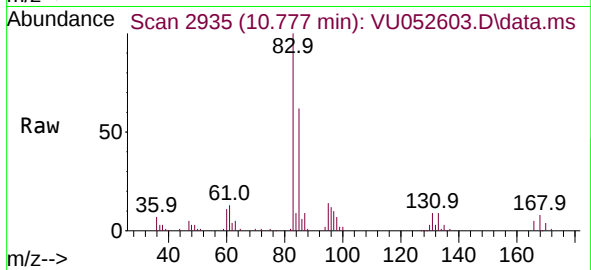




#57
1,1,2,2-Tetrachloroethane
Concen: 4.959 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

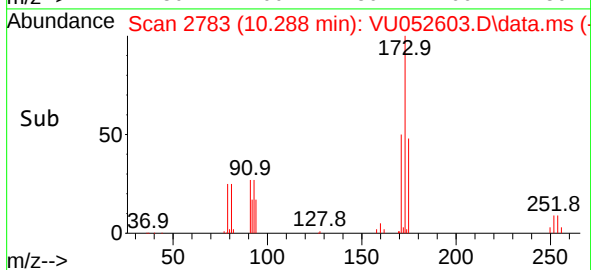
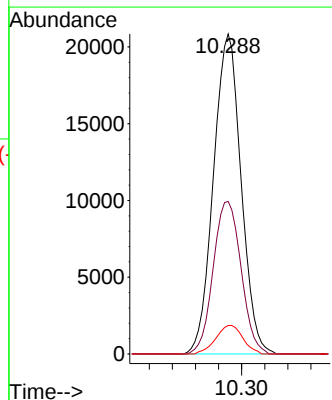
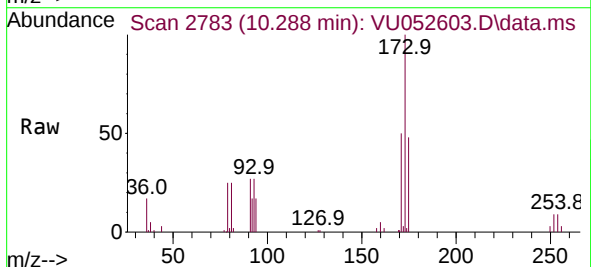
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

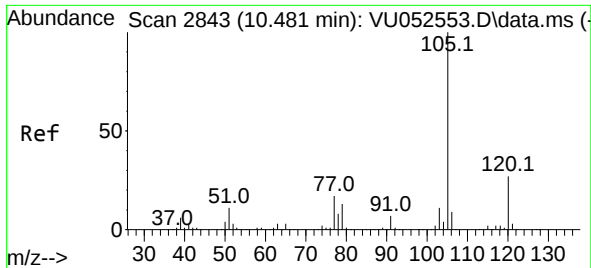
Tgt Ion: 83 Resp: 77417
Ion Ratio Lower Upper
83 100
85 61.8 44.7 83.1
131 8.7 6.0 9.0



#59
Bromoform
Concen: 4.645 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 173 Resp: 34589
Ion Ratio Lower Upper
173 100
175 48.1 38.9 58.3
254 8.8 7.0 10.6

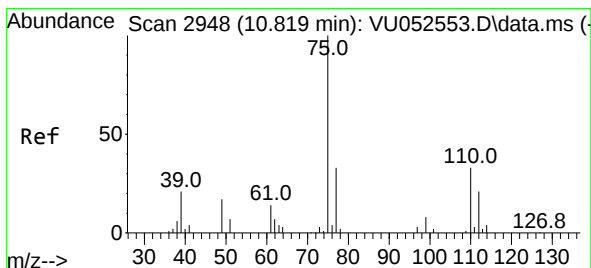
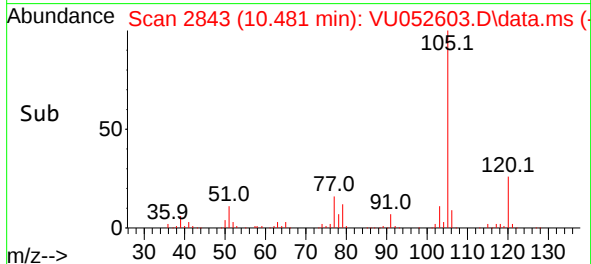
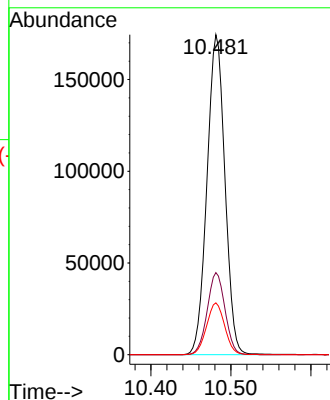
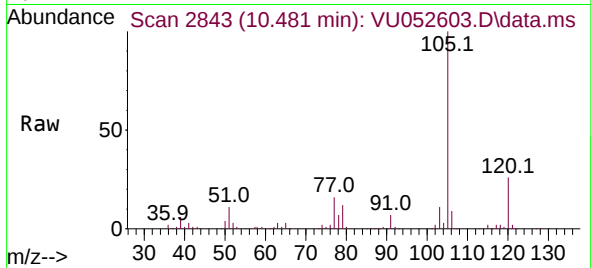




#60
Isopropylbenzene
Concen: 4.955 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

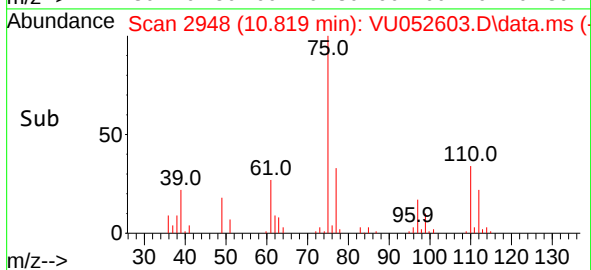
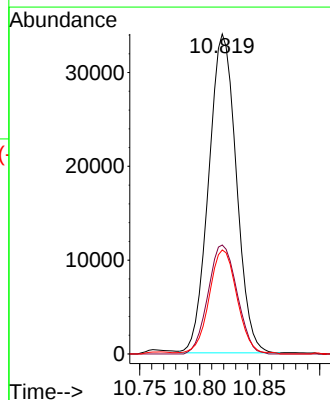
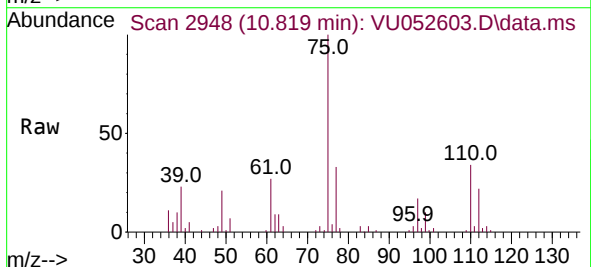
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

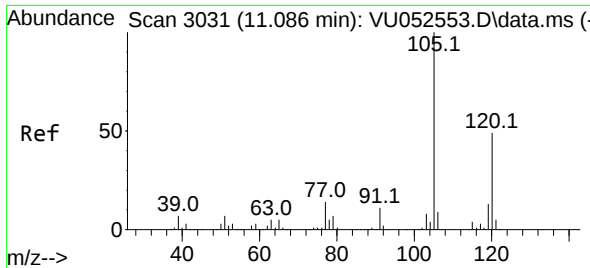
Tgt Ion:105 Resp: 272180
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 16.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.470 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion: 75 Resp: 54329
Ion Ratio Lower Upper
75 100
110 35.8 27.9 41.9
77 33.1 25.9 38.9

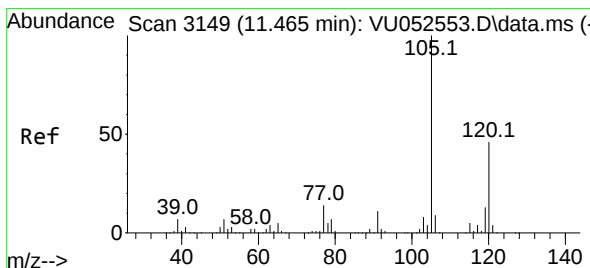
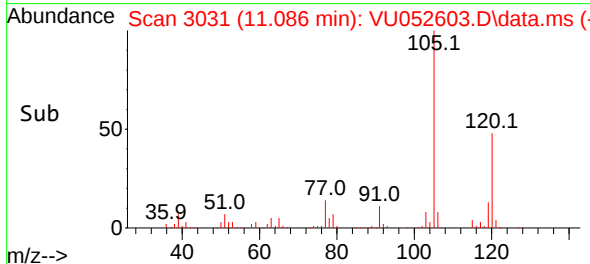
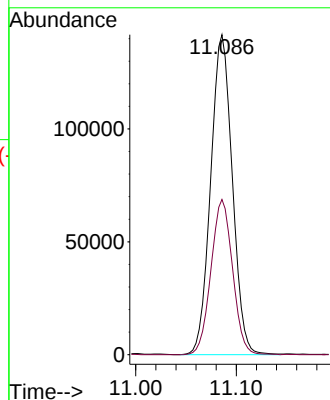
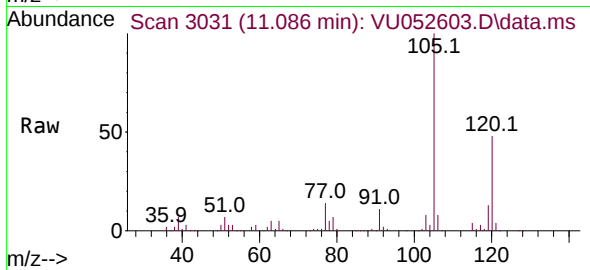




#62
1,3,5-Trimethylbenzene
Concen: 4.683 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

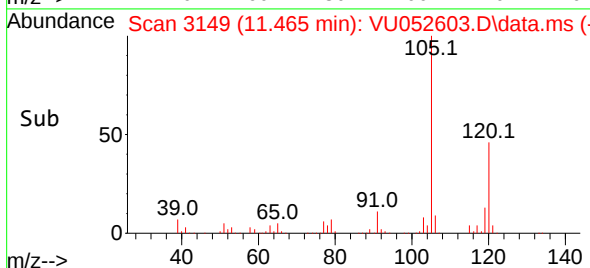
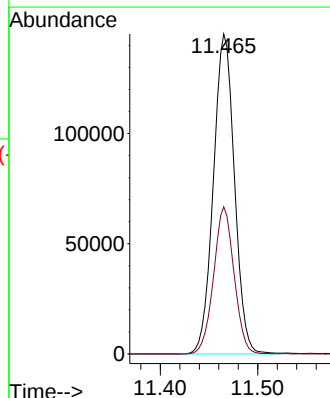
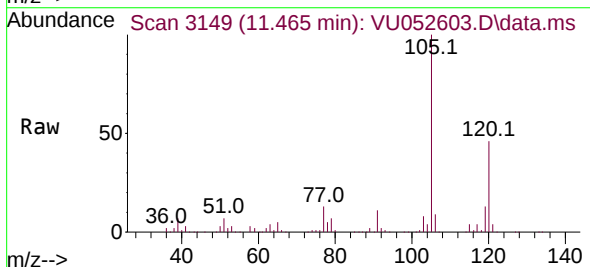
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

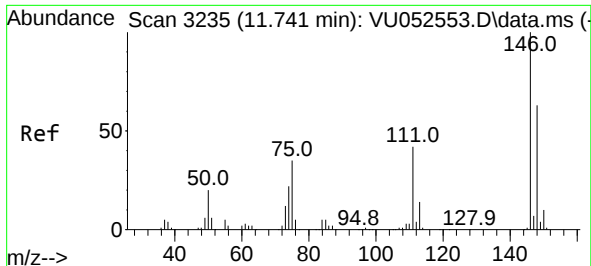
Tgt Ion:105 Resp: 212126
Ion Ratio Lower Upper
105 100
120 48.3 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 4.787 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion:105 Resp: 218290
Ion Ratio Lower Upper
105 100
120 44.6 35.6 53.4

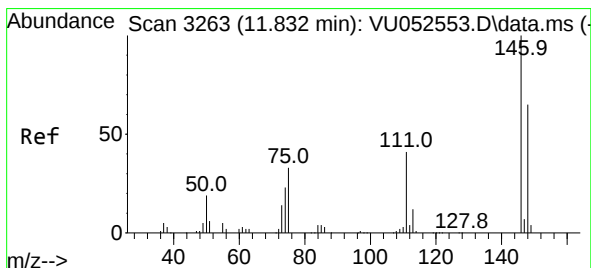
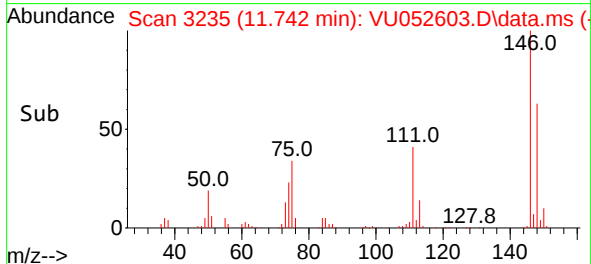
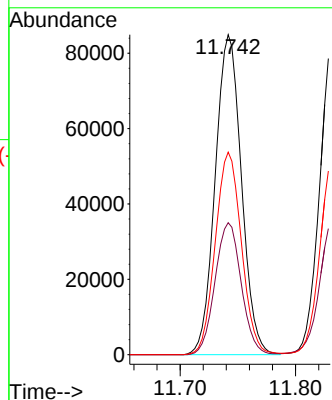
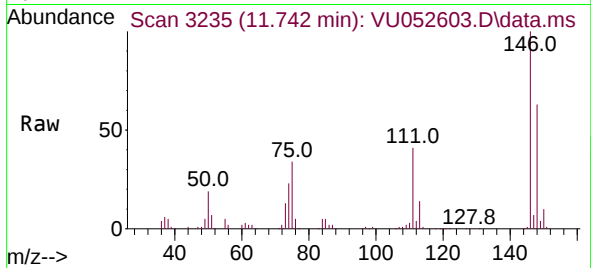




#64
 1,3-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

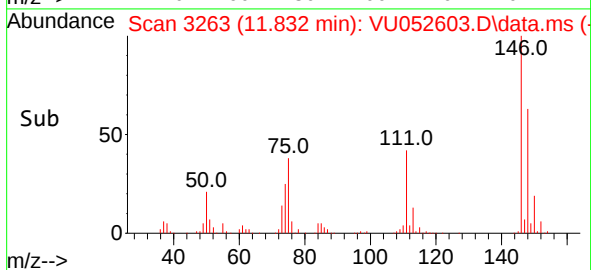
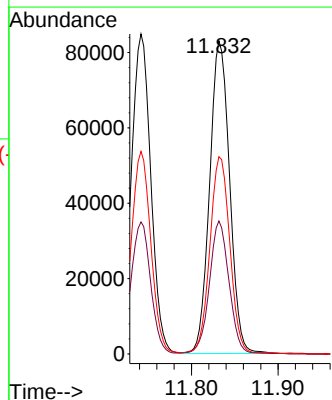
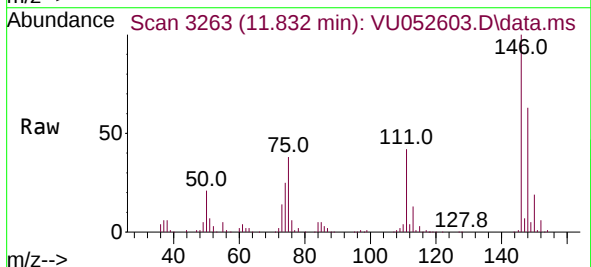
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

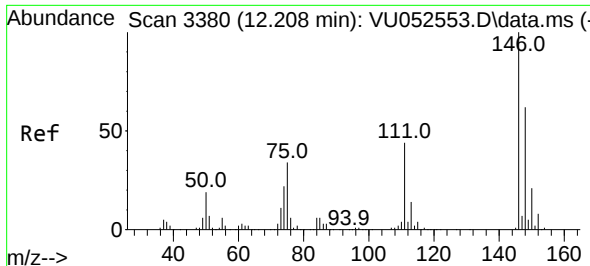
Tgt Ion:146 Resp: 133789
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.9 55.5
 148 63.3 43.4 80.6



#65
 1,4-Dichlorobenzene
 Concen: 4.713 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU052603.D
 Acq: 29 Dec 2022 10:15

Tgt Ion:146 Resp: 132832
 Ion Ratio Lower Upper
 146 100
 111 42.5 27.5 51.1
 148 63.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.760 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005122

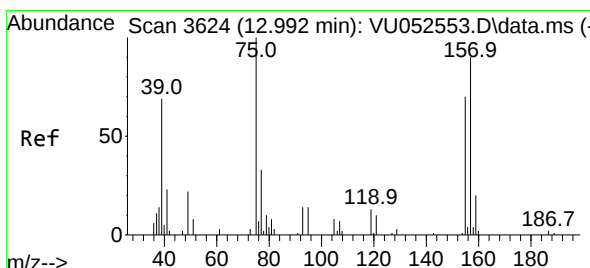
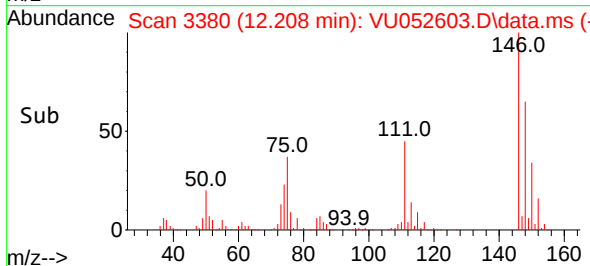
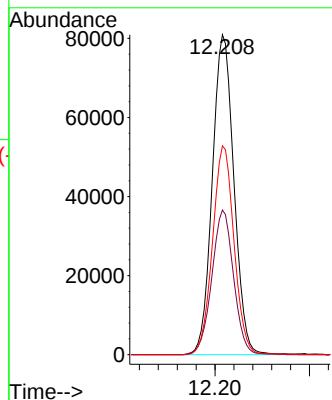
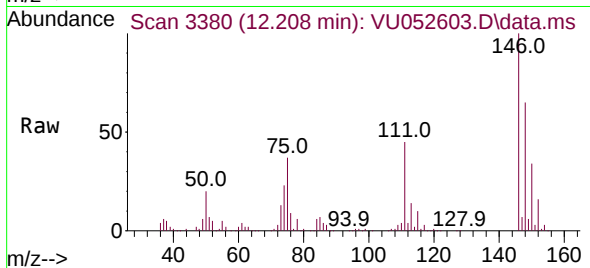
Tgt Ion:146 Resp: 128188

Ion Ratio Lower Upper

146 100

111 45.2 36.6 55.0

148 65.3 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.145 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052603.D

Acq: 29 Dec 2022 10:15

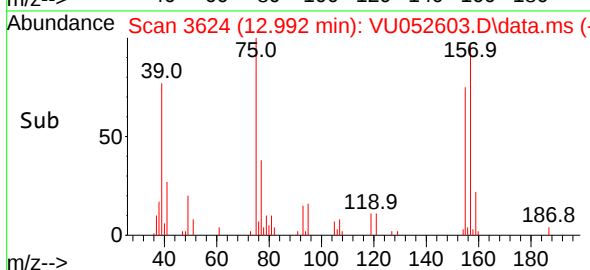
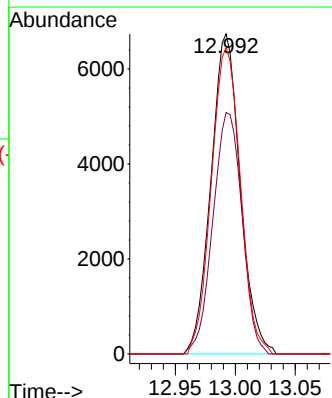
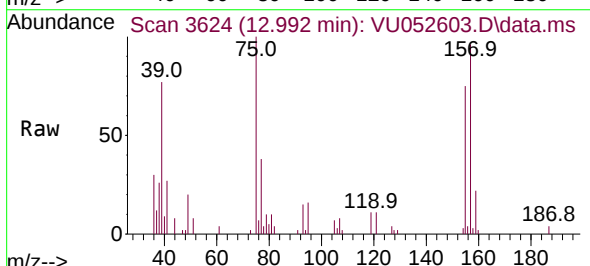
Tgt Ion: 75 Resp: 11403

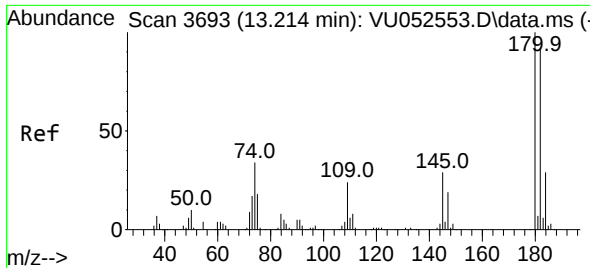
Ion Ratio Lower Upper

75 100

155 75.5 62.2 93.2

157 95.7 73.0 109.4

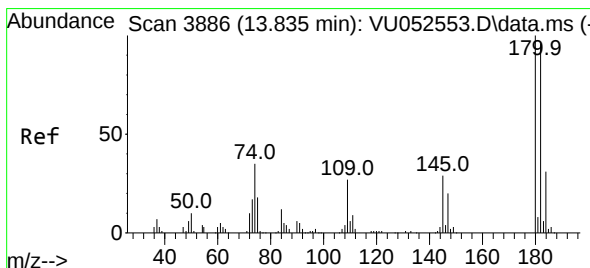
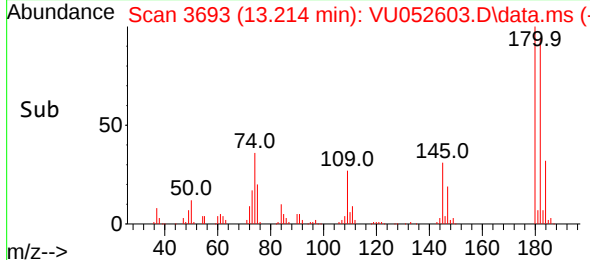
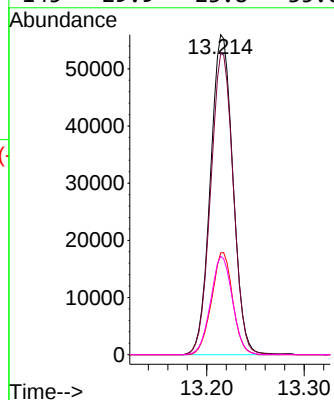
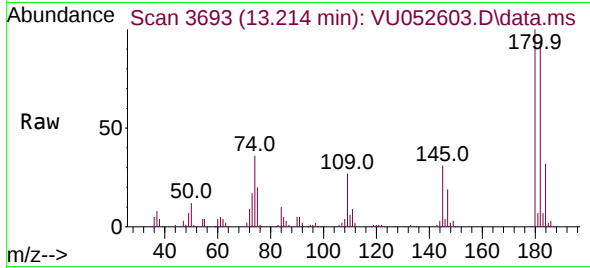




#69
1,3,5-Trichlorobenzene
Concen: 4.461 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

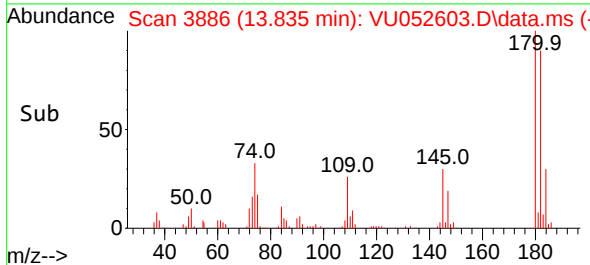
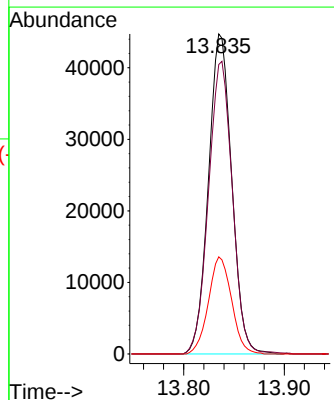
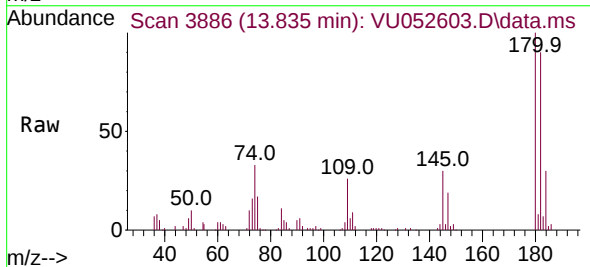
Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

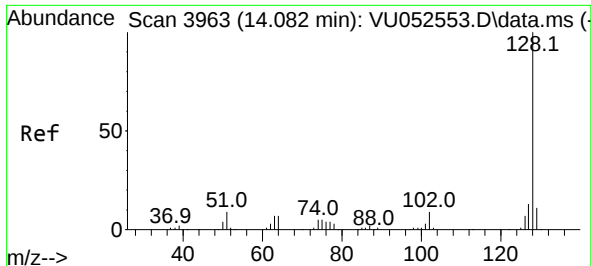
Tgt Ion:	180	Resp:	89515
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.8	113.8
184	30.0	23.4	35.0
145	29.9	23.8	35.6



#70
1,2,4-trichlorobenzene
Concen: 4.253 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion:	180	Resp:	71818
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.7	116.5
145	30.2	24.0	36.0

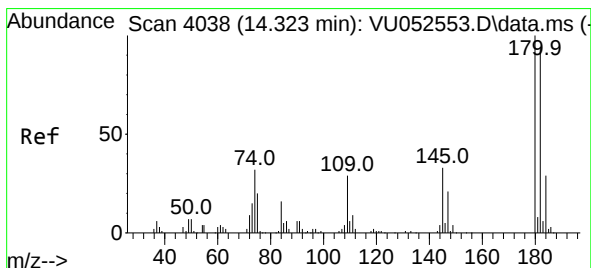
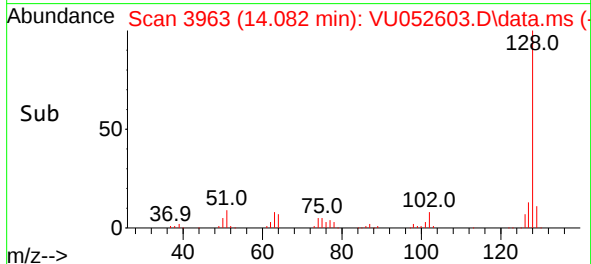
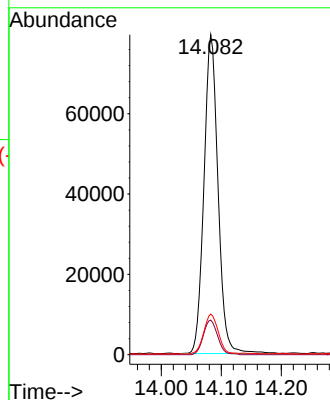
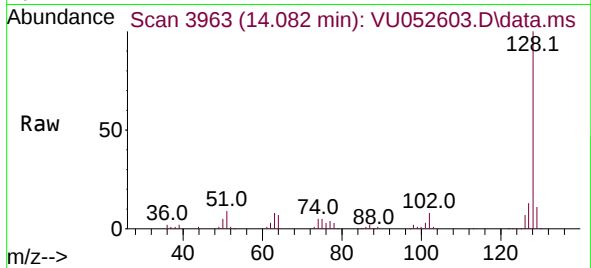




#71
Naphthalene
Concen: 3.803 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD005122

Tgt Ion:128 Resp: 129954
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.8 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.077 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052603.D
Acq: 29 Dec 2022 10:15

Tgt Ion:180 Resp: 69013
Ion Ratio Lower Upper
180 100
182 97.6 76.3 114.5
145 33.2 25.8 38.8

