

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052212.D
 Acq On : 07 Dec 2022 21:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005095

Quant Time: Dec 08 02:04:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	217152	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	214994	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	108734	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	93060	4.406	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.916	69	82726	5.042	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.565	65	35606	4.703	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.633	46	222859	58.207	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.420%
24) Chloroform-d	5.060	84	173330	5.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
26) 1,2-Dichloroethane-d4	5.700	65	84851	5.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.726	84	346408	5.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	6.690	67	110656	5.602	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.000%
41) Toluene-d8	7.896	98	310296	5.373	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
43) trans-1,3-Dichloroprop...	8.179	79	37531	5.214	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.200%
46) 2-Hexanone-d5	8.632	63	179218	58.750	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.500%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	97629	5.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	107832	5.180	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91178	4.841	ug/L	99
3) Chloromethane	1.520	50	124216	5.054	ug/L	99
5) Vinyl chloride	1.604	62	122158	5.173	ug/L	95
6) Bromomethane	1.858	94	58851	4.856	ug/L	100
8) Chloroethane	1.935	64	80258	5.465	ug/L	99
9) Trichlorofluoromethane	2.141	101	132104	5.085	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	80026	5.038	ug/L	99
12) 1,1-Dichloroethene	2.581	96	81239	5.157	ug/L	91
13) Acetone	2.646	43	143380	55.148	ug/L	99
14) Carbon disulfide	2.793	76	283186	5.193	ug/L	98
15) Methyl Acetate	2.957	43	36315	5.385	ug/L	98
16) Methylene chloride	3.047	84	111697	5.241	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	187125	5.306	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	88587	5.246	ug/L	97
19) 1,1-Dichloroethane	3.867	63	171445	5.633	ug/L	99
21) 2-Butanone	4.713	43	246060	59.048	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	98774	5.574	ug/L	97
23) Bromochloromethane	4.973	128	49146	5.796	ug/L	96
25) Chloroform	5.086	83	174085	5.645	ug/L	98

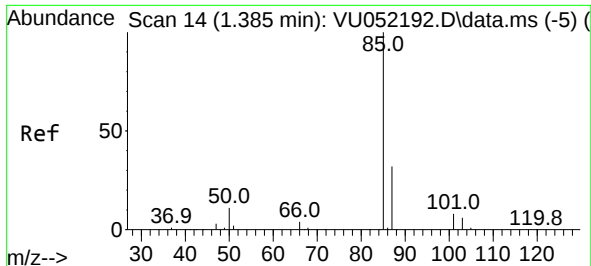
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052212.D
 Acq On : 07 Dec 2022 21:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005095

Quant Time: Dec 08 02:04:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	106576	5.643	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	132224	5.543	ug/L	99
30) Cyclohexane	5.388	56	112572	4.860	ug/L	99
31) Carbon tetrachloride	5.523	117	112557	5.553	ug/L	100
33) Benzene	5.774	78	397250	5.677	ug/L	100
34) Trichloroethene	6.542	95	93338	5.348	ug/L	95
35) Methylcyclohexane	6.761	83	117888	4.696	ug/L	99
37) 1,2-Dichloropropane	6.790	63	103612	5.719	ug/L	100
38) Bromodichloromethane	7.102	83	125433	5.679	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	124230	5.341	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	549675	58.086	ug/L	100
42) Toluene	7.967	91	411383	5.716	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	108835	5.464	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	76793	5.641	ug/L	95
47) Tetrachloroethene	8.549	164	69918	5.228	ug/L	97
48) 2-Hexanone	8.684	43	421668	60.781	ug/L	100
49) Dibromochloromethane	8.806	129	89513	5.871	ug/L	95
50) 1,2-Dibromoethane	8.922	107	70593	5.693	ug/L	96
51) Chlorobenzene	9.446	112	254885	5.555	ug/L	98
52) Ethylbenzene	9.568	91	369139	5.276	ug/L	100
53) m,p-Xylene	9.693	106	150571	5.557	ug/L	99
54) o-Xylene	10.099	106	147301	5.672	ug/L	95
55) Styrene	10.111	104	254937	5.812	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	97625	5.741	ug/L	100
59) Bromoform	10.288	173	51426	5.742	ug/L	96
60) Isopropylbenzene	10.481	105	361929	5.299	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	65733	5.282	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	268782	4.923	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	274945	5.073	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	185418	5.317	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	181891	5.230	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	182073	5.421	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	14146	5.194	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	122182	4.941	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	91082	4.837	ug/L	99
71) Naphthalene	14.082	128	152360	4.309	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	91551	4.941	ug/L	98

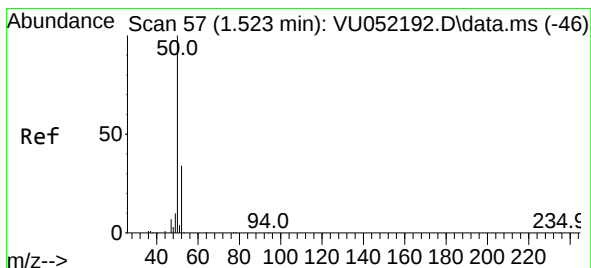
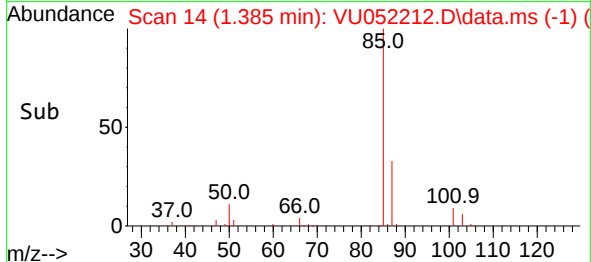
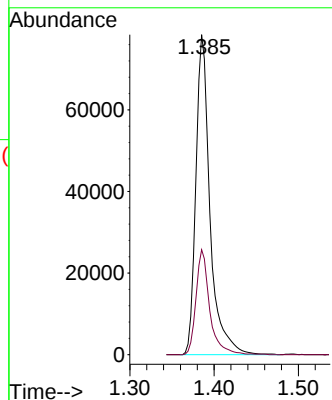
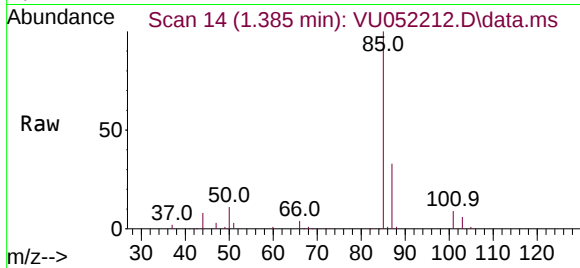
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#2
Dichlorodifluoromethane
Concen: 4.841 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

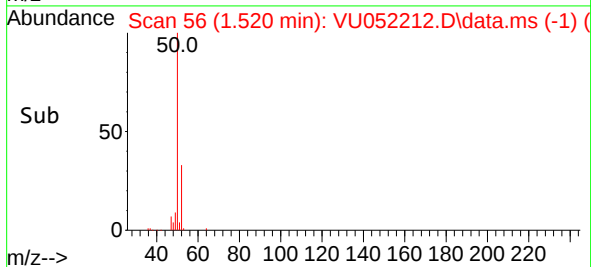
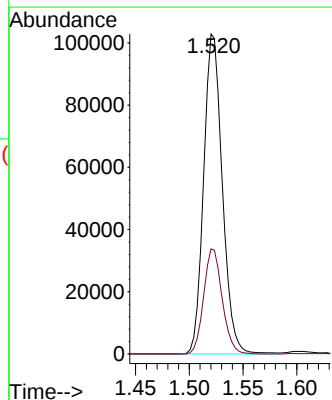
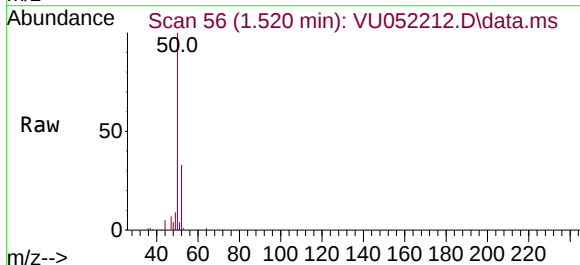
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

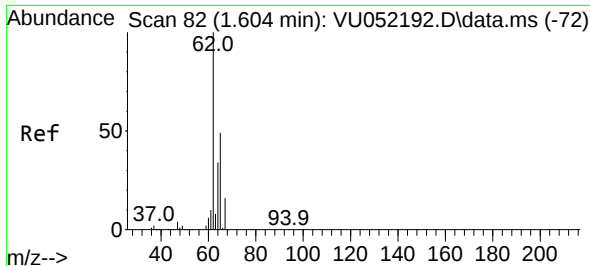
Tgt Ion: 85 Resp: 91178
Ion Ratio Lower Upper
85 100
87 32.0 25.8 38.8



#3
Chloromethane
Concen: 5.054 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 50 Resp: 124216
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4

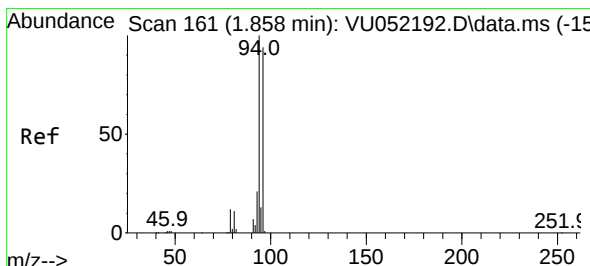
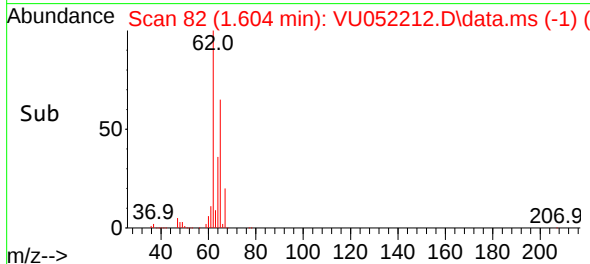
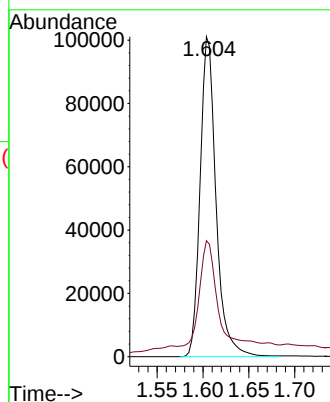
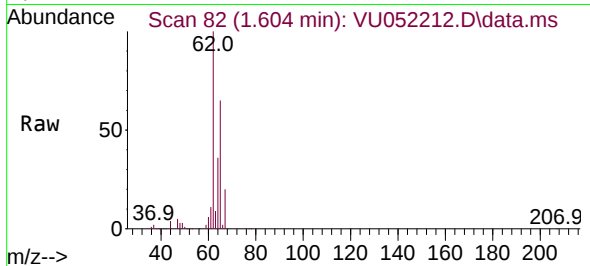




#5
 Vinyl chloride
 Concen: 5.173 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052212.D
 Acq: 07 Dec 2022 21:31

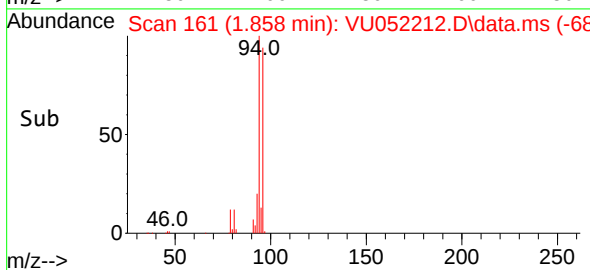
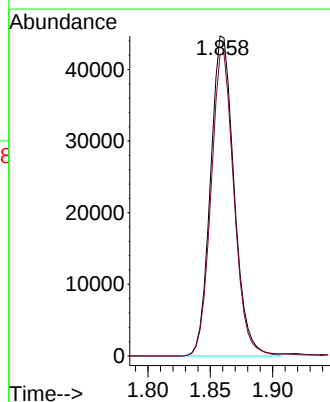
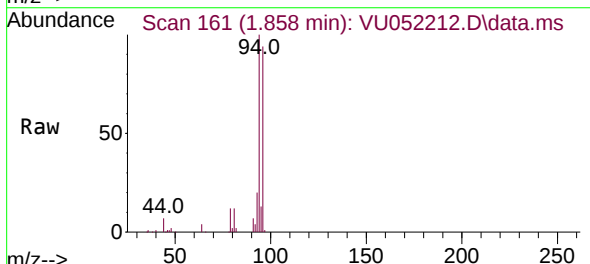
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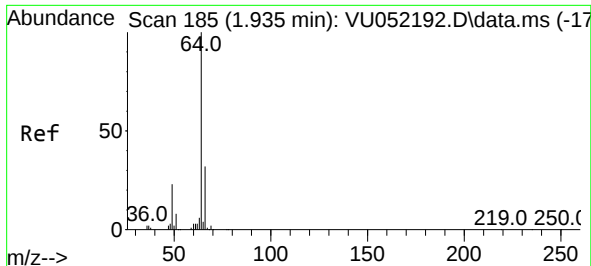
Tgt Ion: 62 Resp: 122158
 Ion Ratio Lower Upper
 62 100
 64 36.3 23.5 43.7



#6
 Bromomethane
 Concen: 4.856 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052212.D
 Acq: 07 Dec 2022 21:31

Tgt Ion: 94 Resp: 58851
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.7 122.1

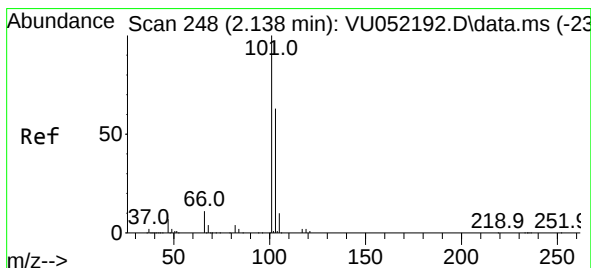
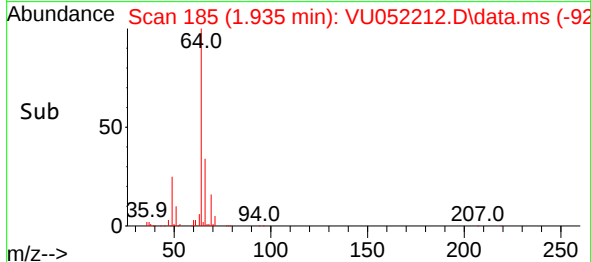
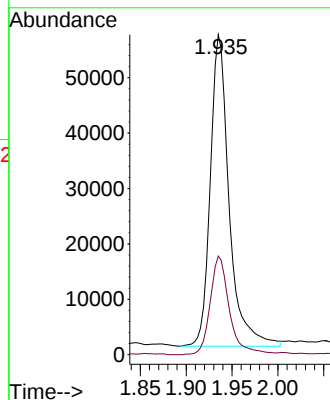
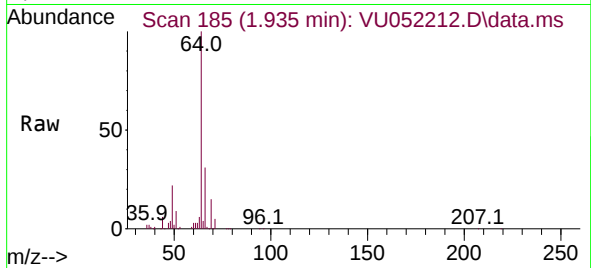




#8
Chloroethane
Concen: 5.465 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

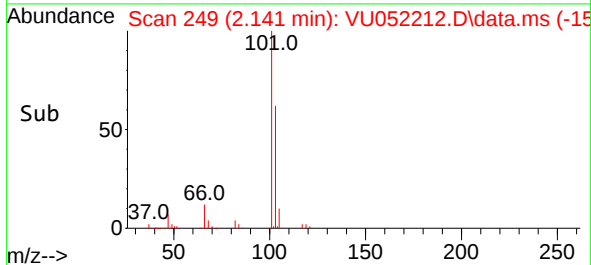
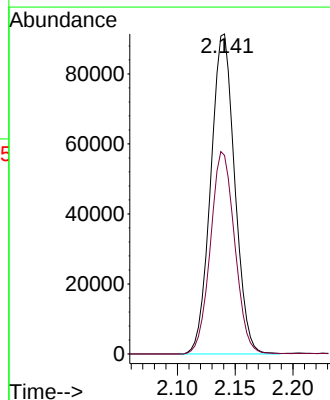
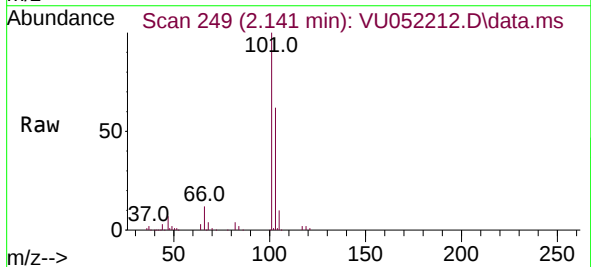
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ClientSampleId :
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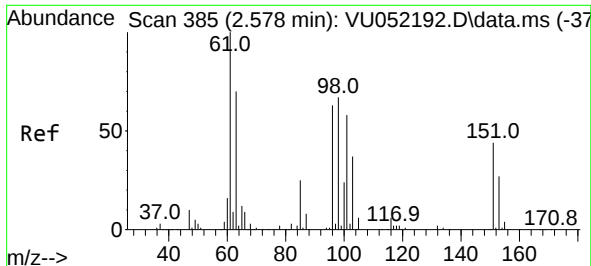
Tgt Ion: 64 Resp: 80258
Ion Ratio Lower Upper
64 100
66 30.8 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.085 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 101 Resp: 132104
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

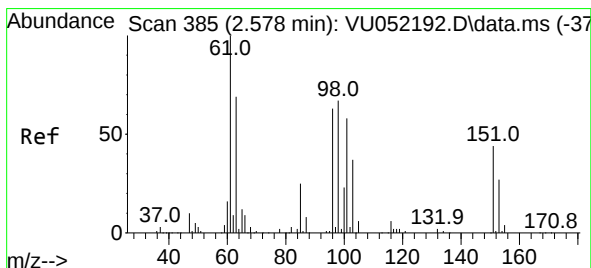
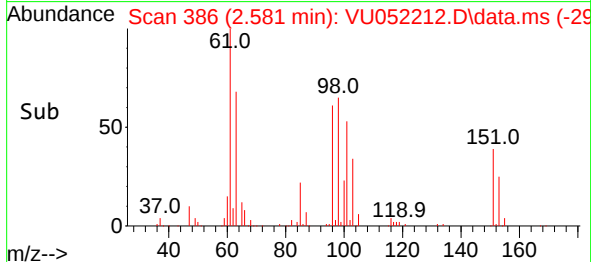
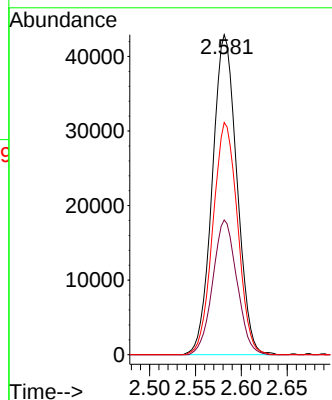
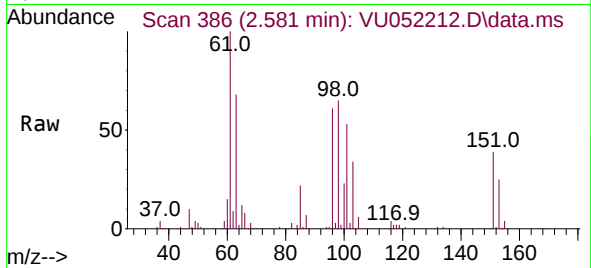




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.038 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

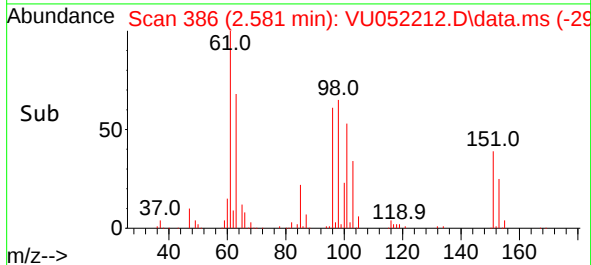
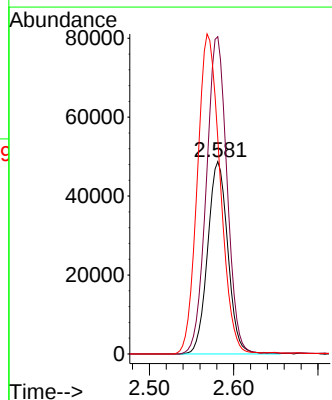
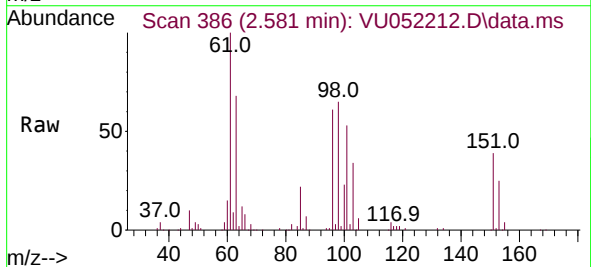
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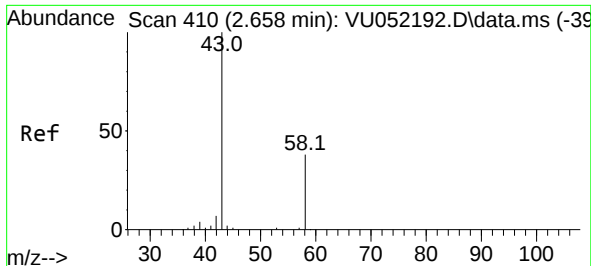
Tgt Ion:101 Resp: 80026
Ion Ratio Lower Upper
101 100
85 41.5 33.8 50.6
151 73.0 58.6 88.0



#12
1,1-Dichloroethene
Concen: 5.157 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 96 Resp: 81239
Ion Ratio Lower Upper
96 100
61 165.0 114.8 213.2
63 112.1 93.7 174.1





#13

Acetone

Concen: 55.148 ug/L

RT: 2.646 min Scan# 406

Delta R.T. -0.013 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

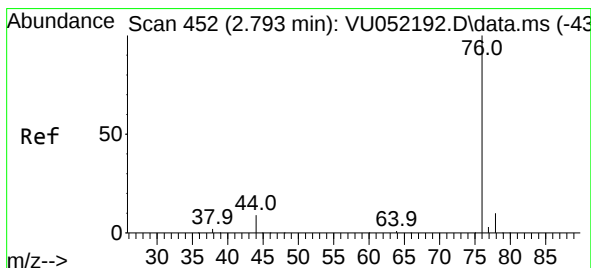
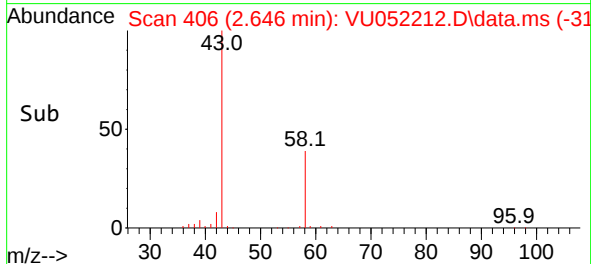
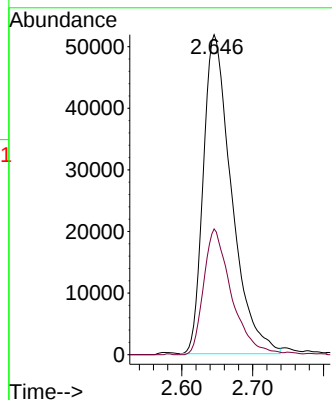
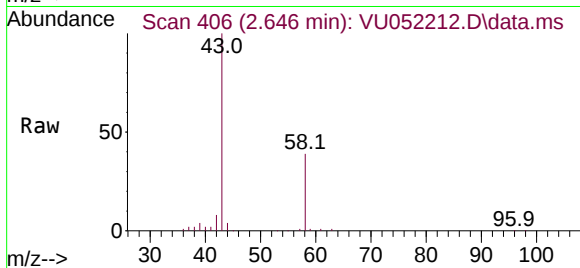
VSTD005095

Tgt Ion: 43 Resp: 143380

Ion Ratio Lower Upper

43 100

58 38.6 0.0 76.0



#14

Carbon disulfide

Concen: 5.193 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052212.D

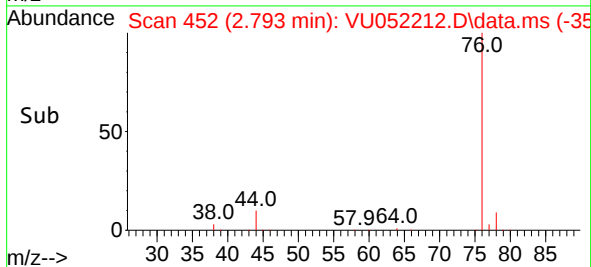
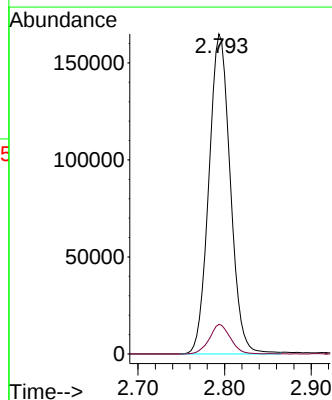
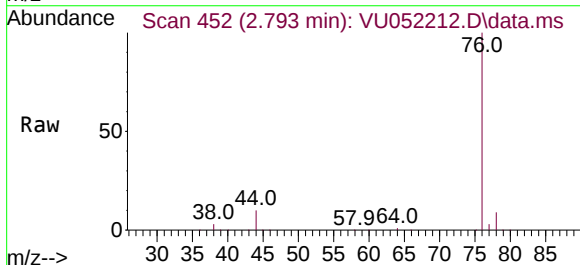
Acq: 07 Dec 2022 21:31

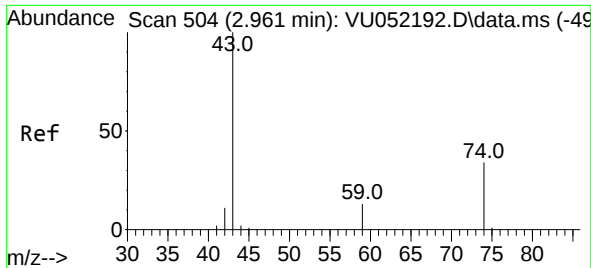
Tgt Ion: 76 Resp: 283186

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

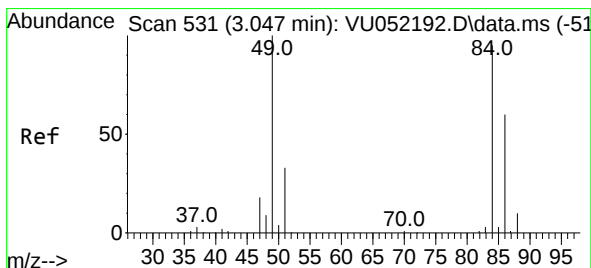
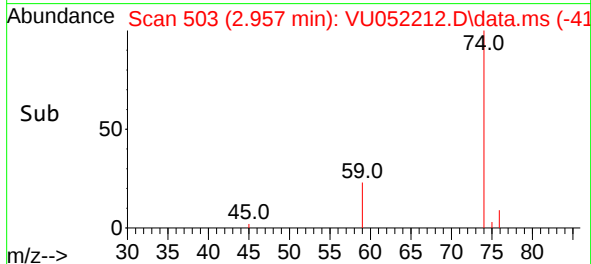
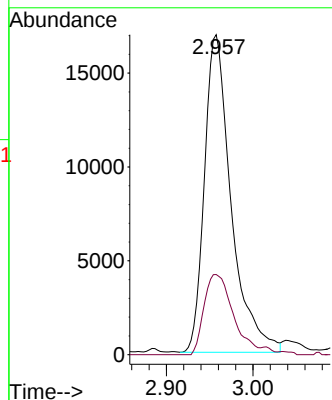
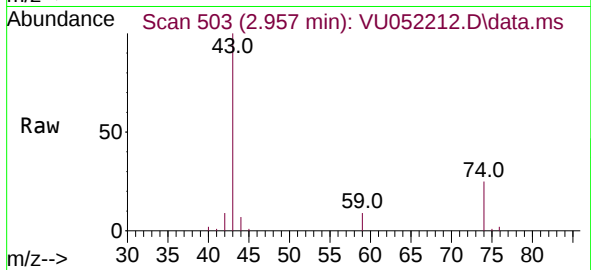




#15
Methyl Acetate
Concen: 5.385 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

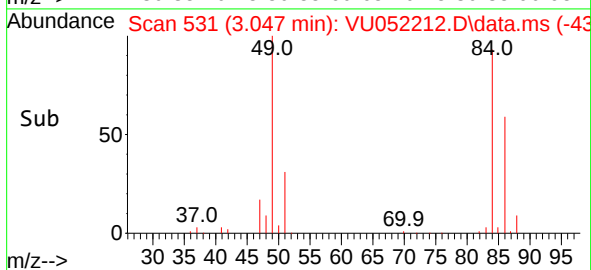
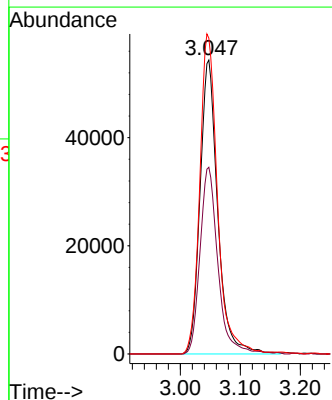
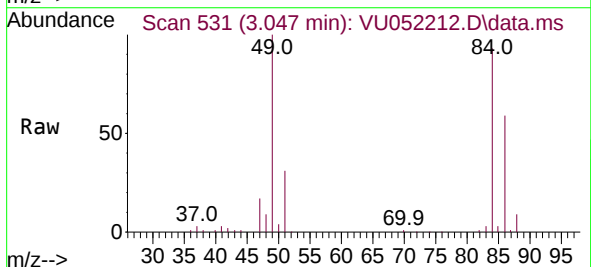
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

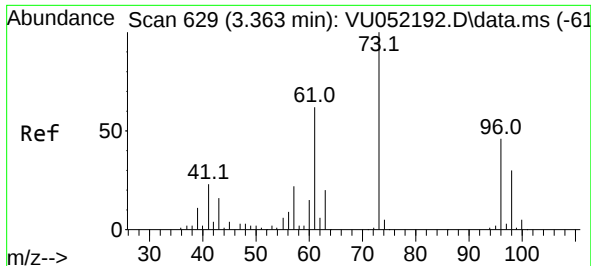
Tgt Ion: 43 Resp: 36315
Ion Ratio Lower Upper
43 100
74 27.5 21.3 31.9



#16
Methylene chloride
Concen: 5.241 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 84 Resp: 111697
Ion Ratio Lower Upper
84 100
86 63.5 43.8 81.4
49 107.5 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 5.306 ug/L

RT: 3.363 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005095

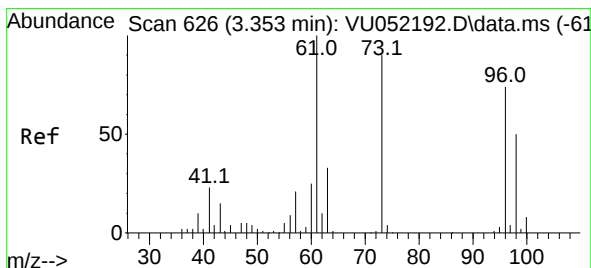
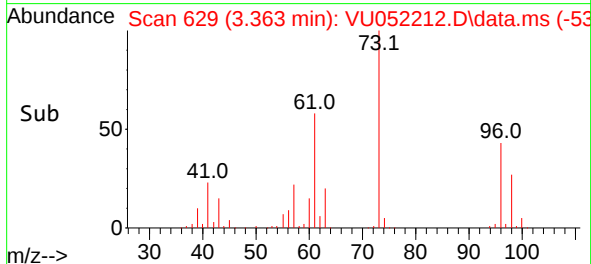
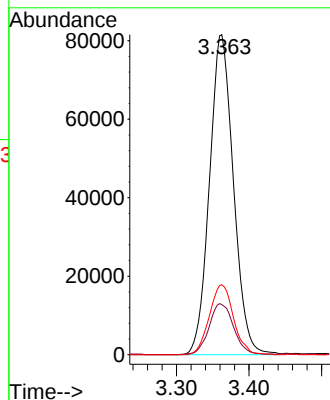
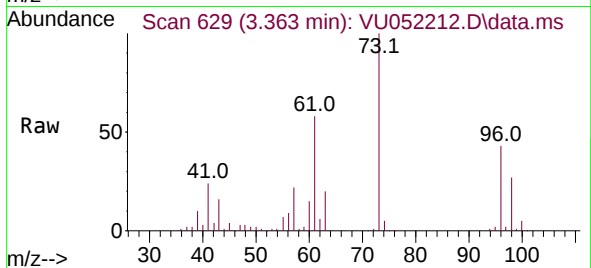
Tgt Ion: 73 Resp: 187125

Ion Ratio Lower Upper

73 100

43 16.5 13.2 19.8

57 22.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.246 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

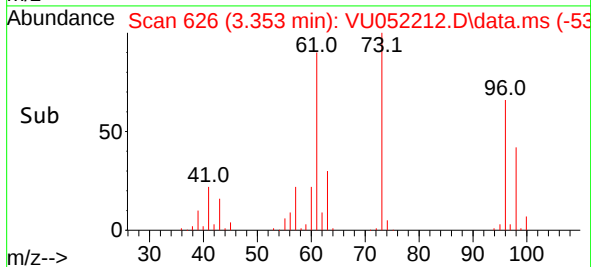
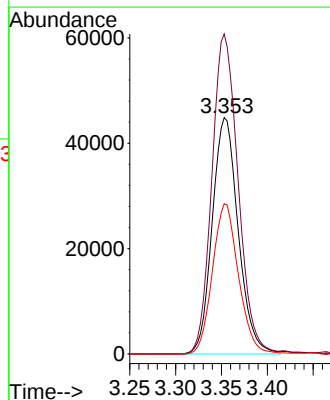
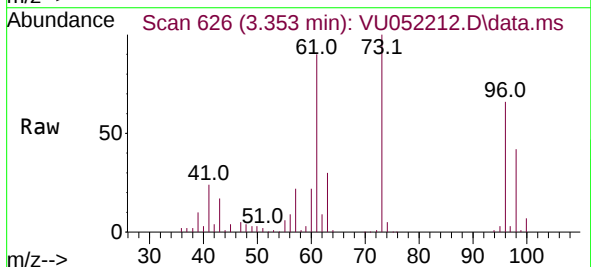
Tgt Ion: 96 Resp: 88587

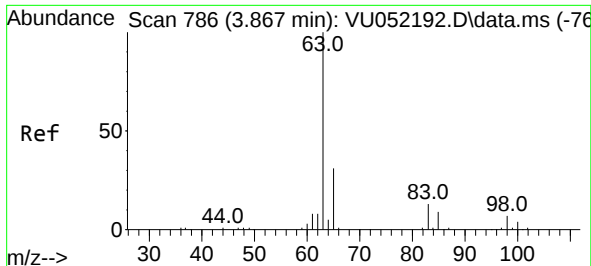
Ion Ratio Lower Upper

96 100

61 135.4 97.9 181.7

98 63.6 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.633 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005095

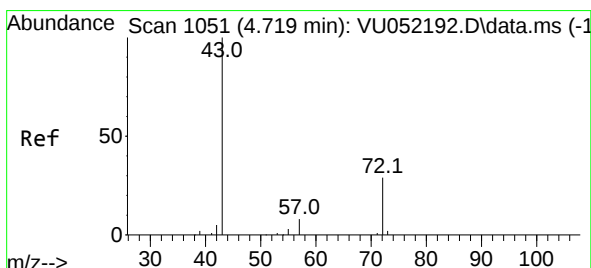
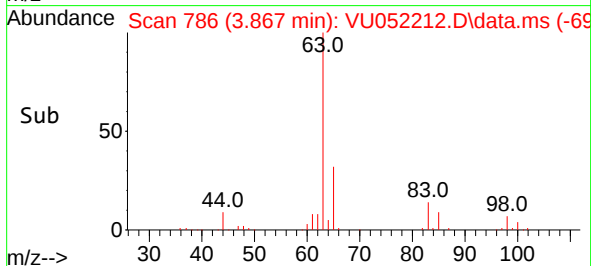
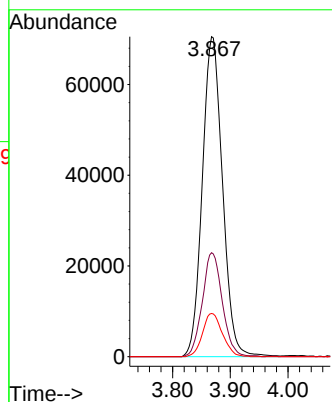
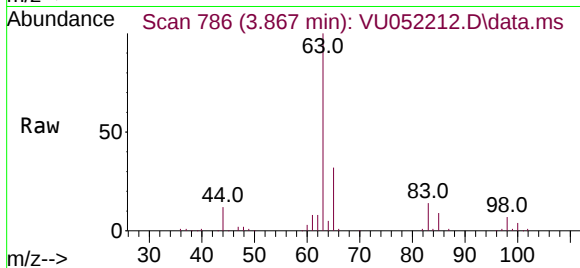
Tgt Ion: 63 Resp: 171445

Ion Ratio Lower Upper

63 100

65 32.5 22.2 41.2

83 13.5 9.2 17.0



#21

2-Butanone

Concen: 59.048 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.006 min

Lab File: VU052212.D

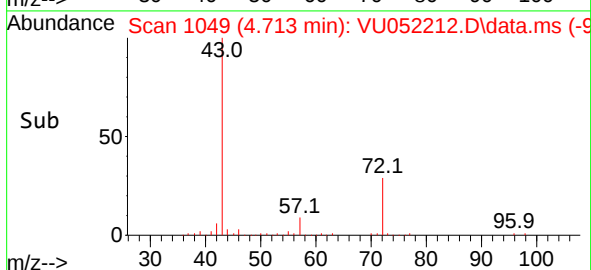
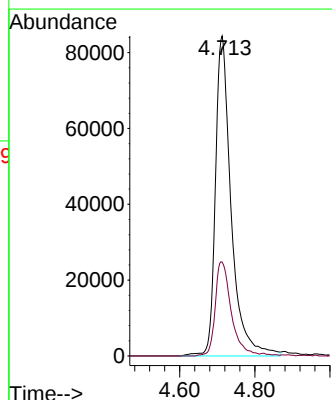
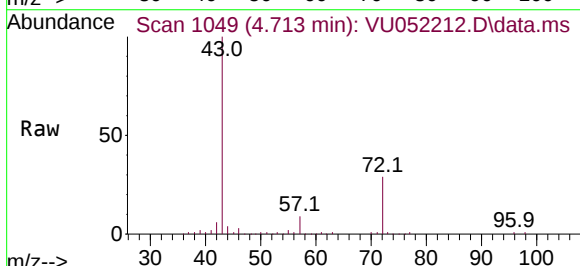
Acq: 07 Dec 2022 21:31

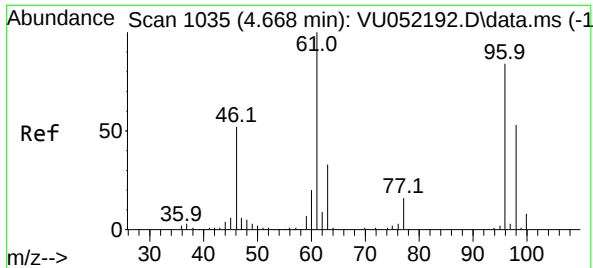
Tgt Ion: 43 Resp: 246060

Ion Ratio Lower Upper

43 100

72 29.8 15.6 46.8

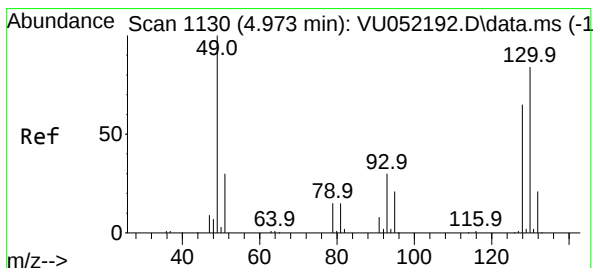
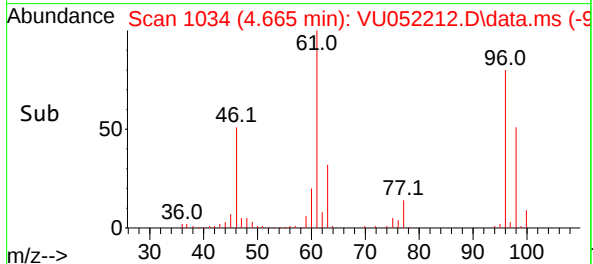
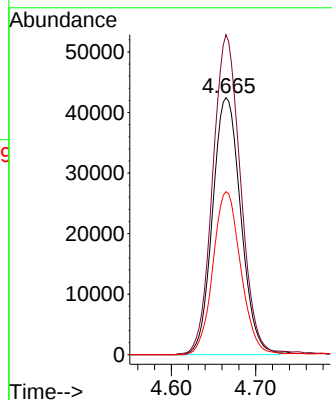
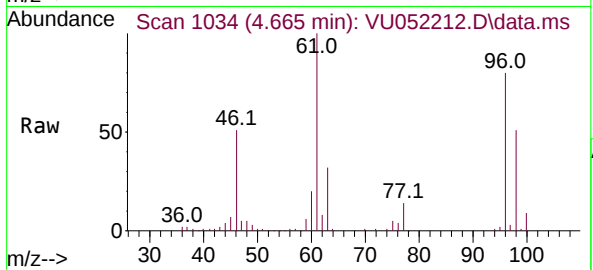




#22
cis-1,2-Dichloroethene
Concen: 5.574 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

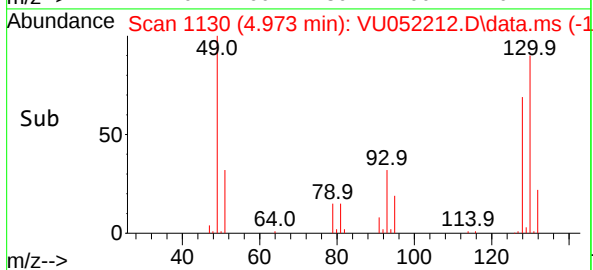
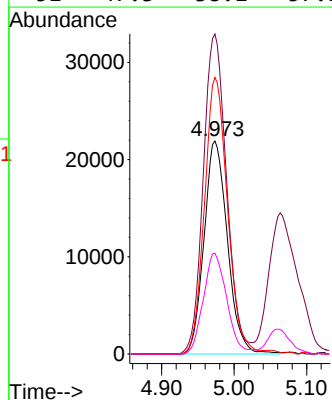
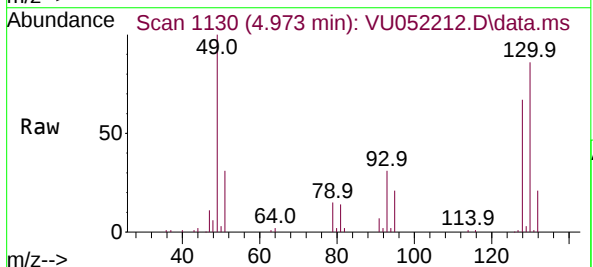
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

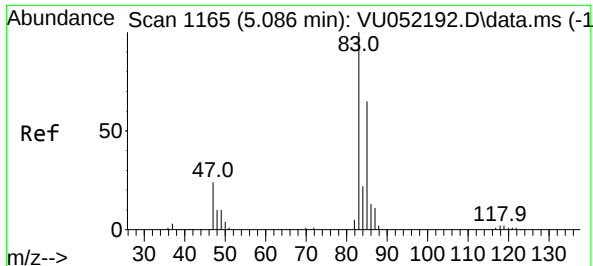
Tgt Ion: 96 Resp: 98774
Ion Ratio Lower Upper
96 100
61 124.5 85.1 158.1
98 63.5 42.8 79.6



#23
Bromochloromethane
Concen: 5.796 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 128 Resp: 49146
Ion Ratio Lower Upper
128 100
49 150.3 104.0 193.2
130 129.8 84.6 157.2
51 47.3 38.1 57.1





#25

Chloroform

Concen: 5.645 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

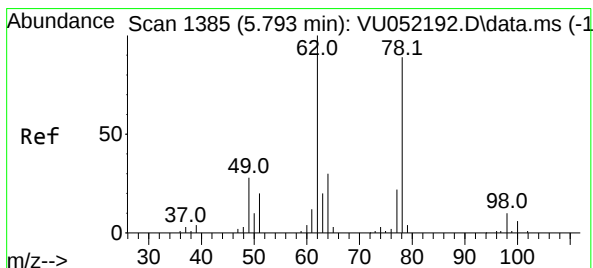
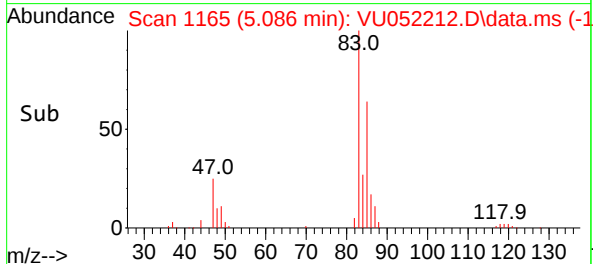
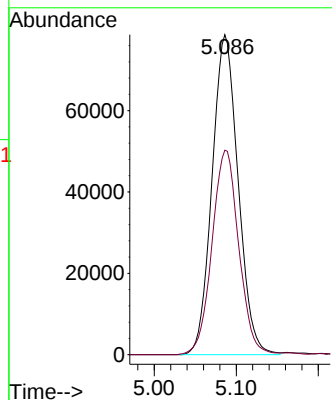
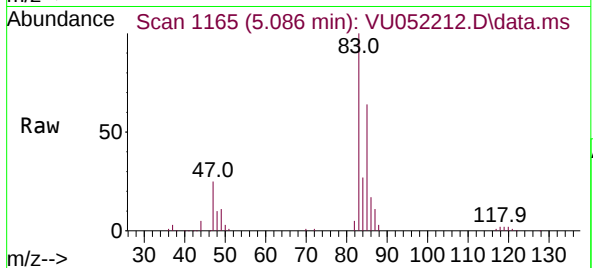
VSTD005095

Tgt Ion: 83 Resp: 174085

Ion Ratio Lower Upper

83 100

85 63.9 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.643 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU052212.D

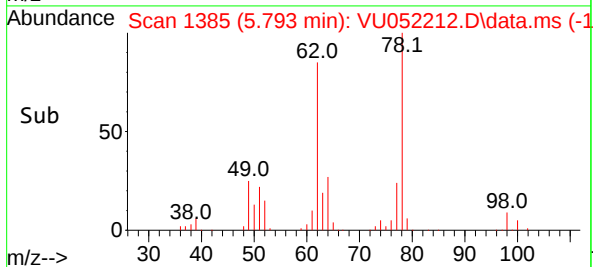
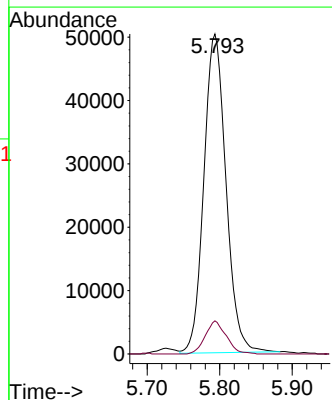
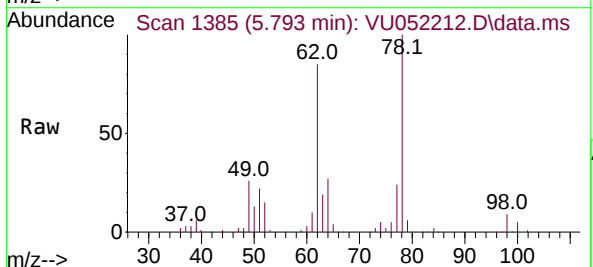
Acq: 07 Dec 2022 21:31

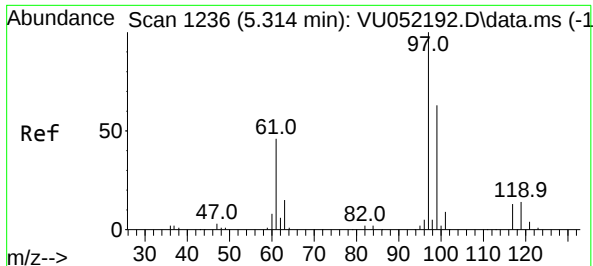
Tgt Ion: 62 Resp: 106576

Ion Ratio Lower Upper

62 100

98 10.3 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.543 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005095

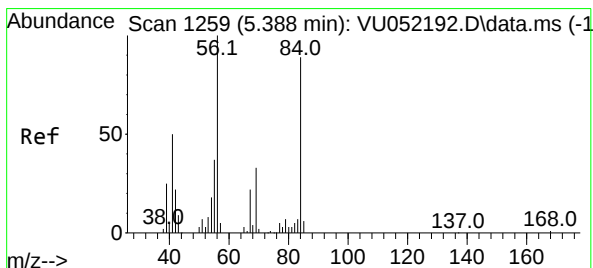
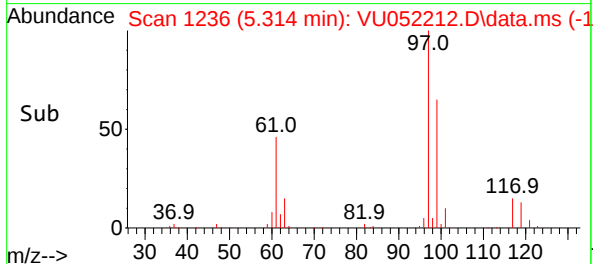
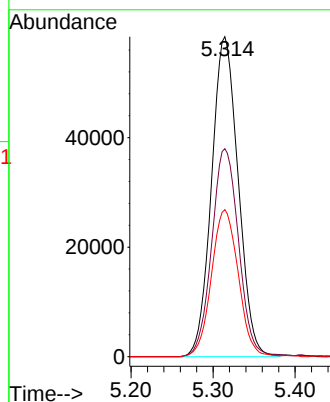
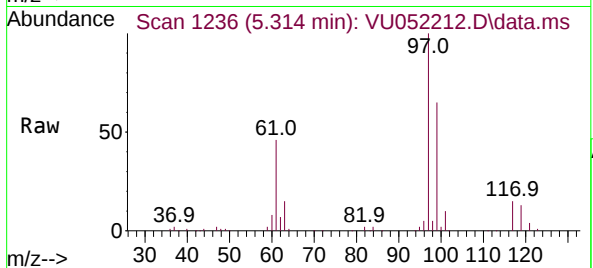
Tgt Ion: 97 Resp: 132224

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.6

61 46.3 36.9 55.3



#30

Cyclohexane

Concen: 4.860 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

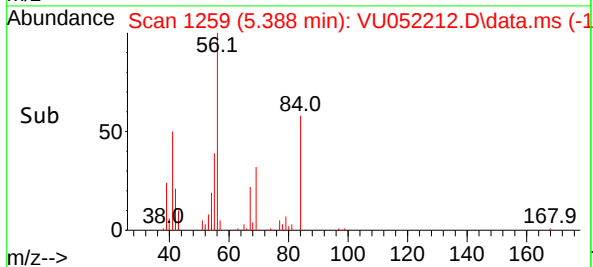
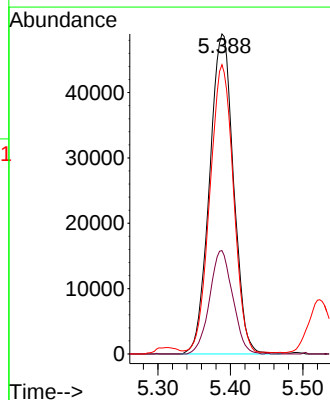
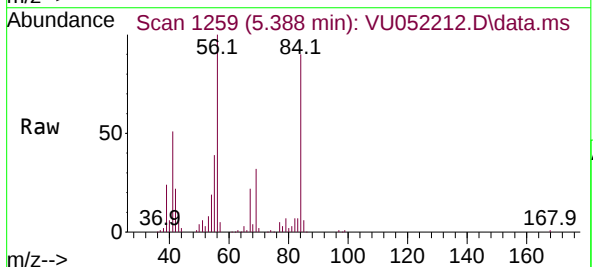
Tgt Ion: 56 Resp: 112572

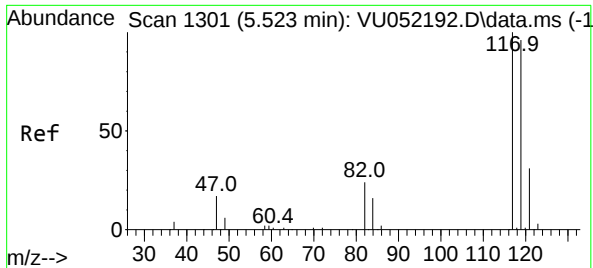
Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 89.6 72.0 108.0

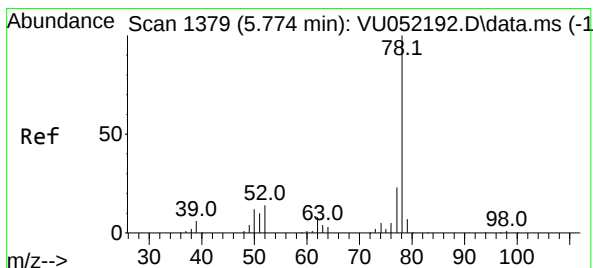
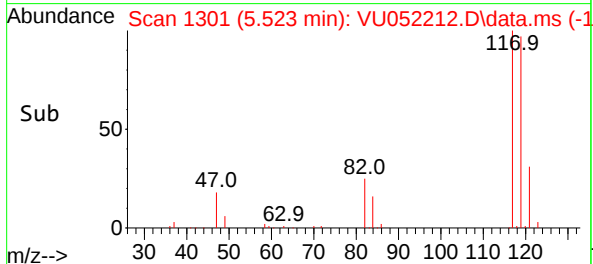
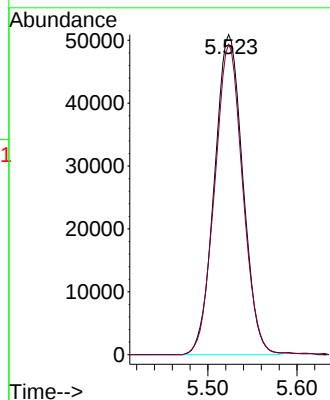
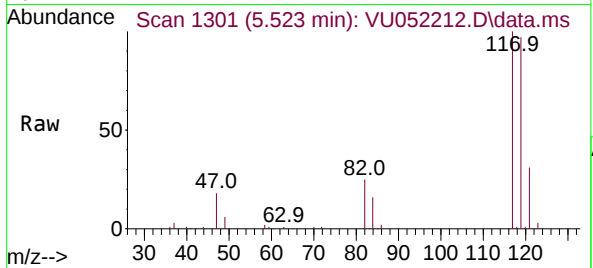




#31
Carbon tetrachloride
Concen: 5.553 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

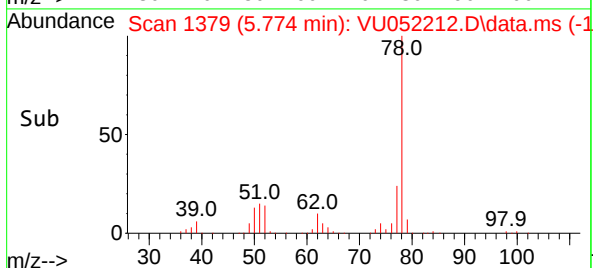
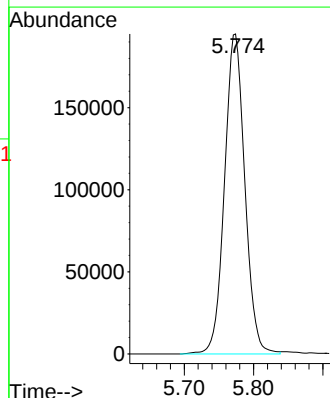
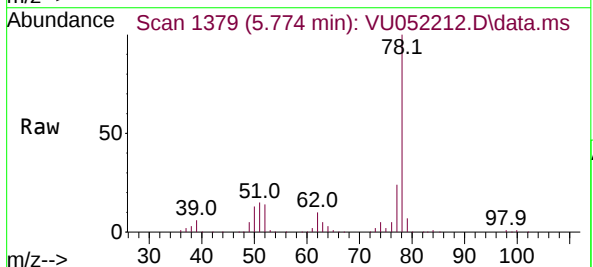
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

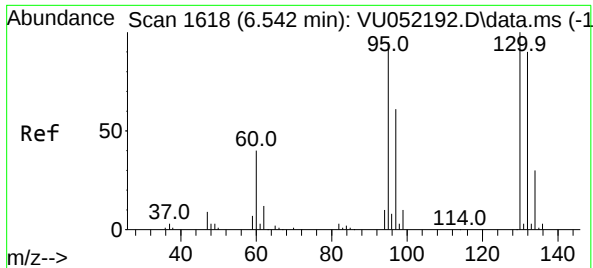
Tgt Ion:117 Resp: 112557
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8



#33
Benzene
Concen: 5.677 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 78 Resp: 397250

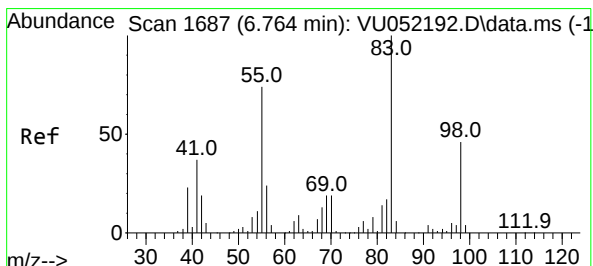
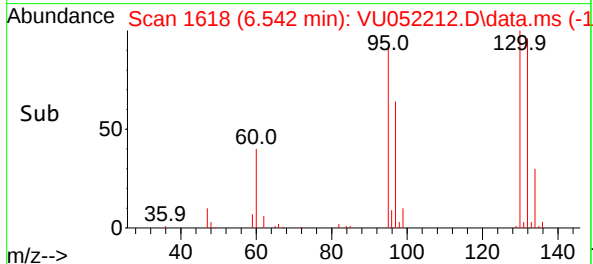
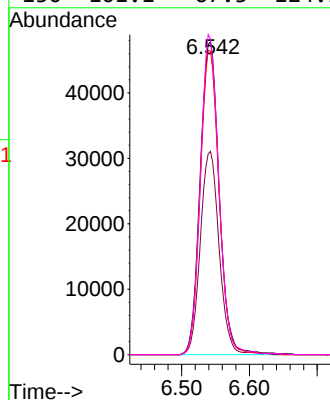
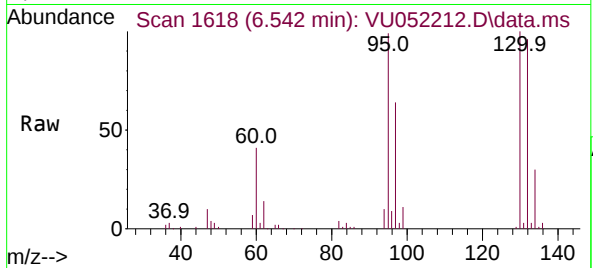




#34
Trichloroethene
Concen: 5.348 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

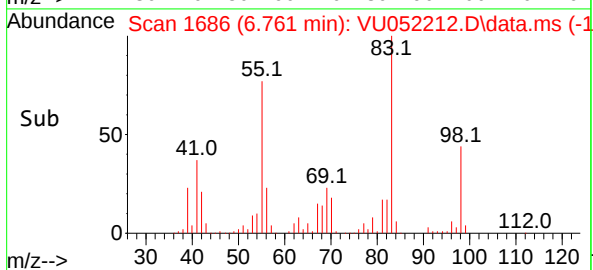
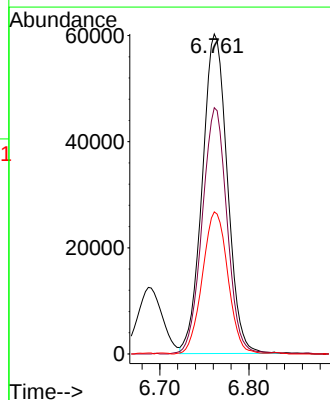
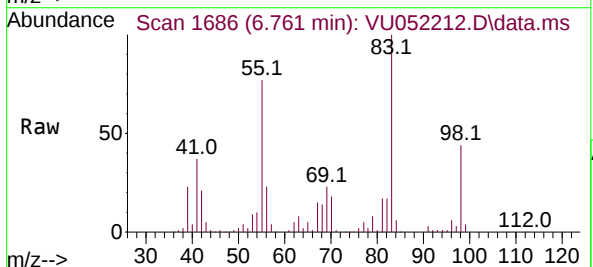
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

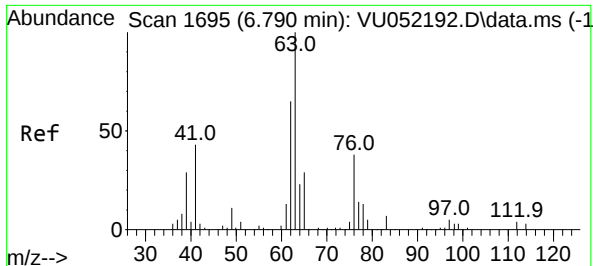
Tgt Ion: 95 Resp: 93338
Ion Ratio Lower Upper
95 100
97 65.0 43.7 81.1
132 97.1 64.3 119.3
130 101.1 67.3 124.9



#35
Methylcyclohexane
Concen: 4.696 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 83 Resp: 117888
Ion Ratio Lower Upper
83 100
55 76.3 60.8 91.2
98 45.1 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.719 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

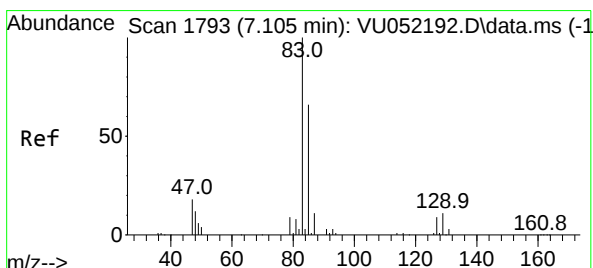
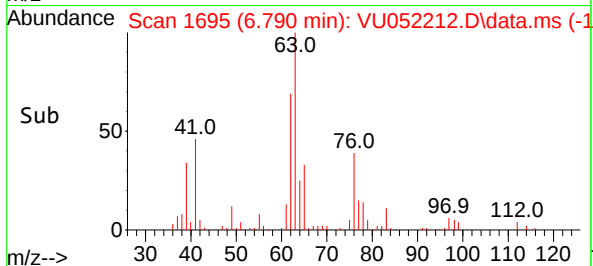
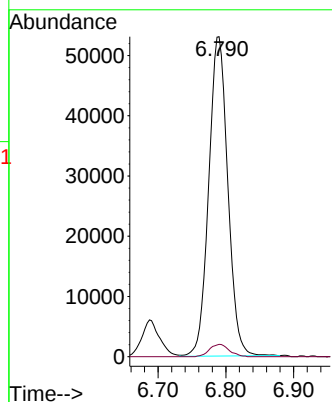
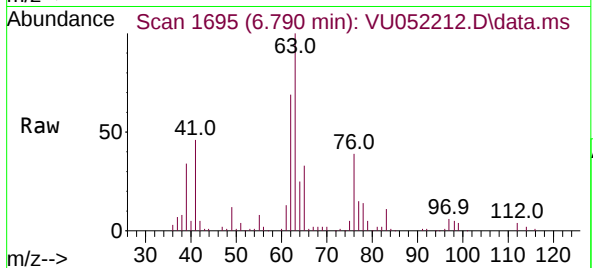
VSTD005095

Tgt Ion: 63 Resp: 103612

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 5.679 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

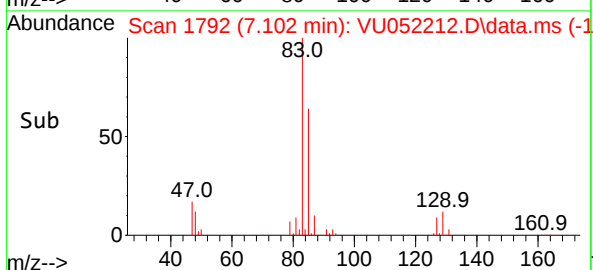
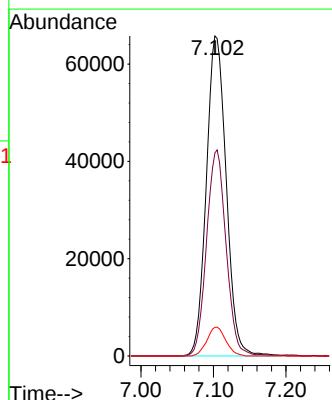
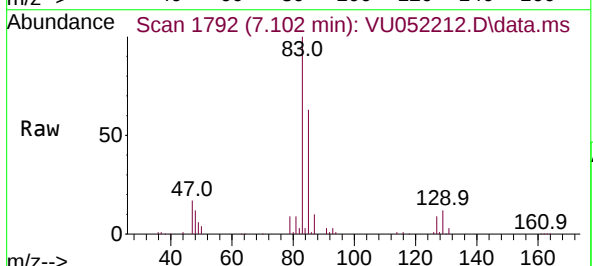
Tgt Ion: 83 Resp: 125433

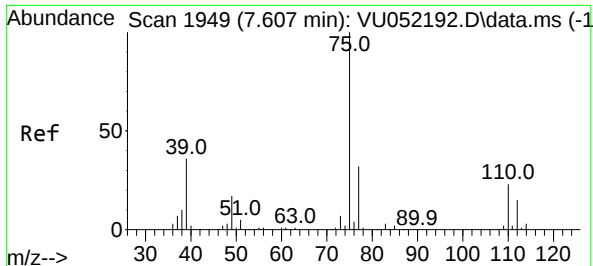
Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.9

127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.341 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

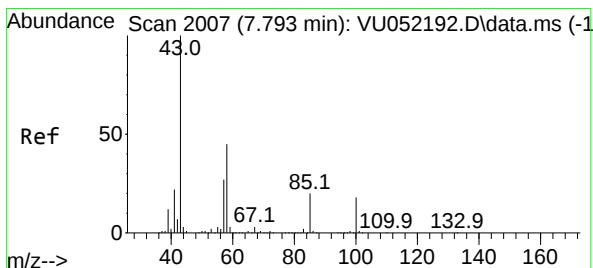
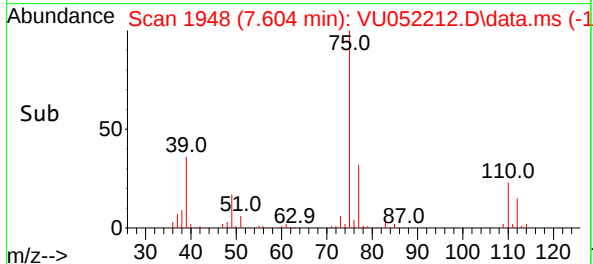
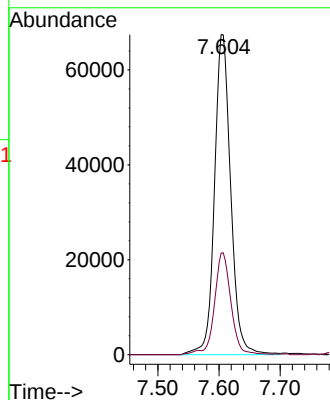
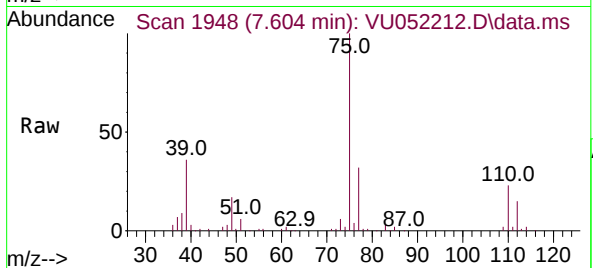
VSTD005095

Tgt Ion: 75 Resp: 124230

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 58.086 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

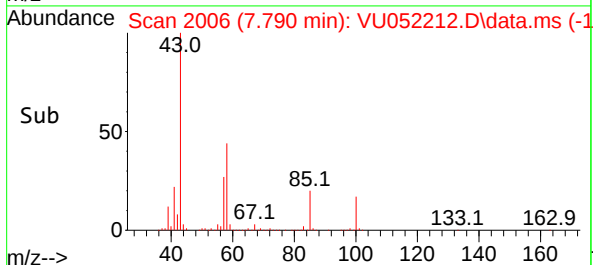
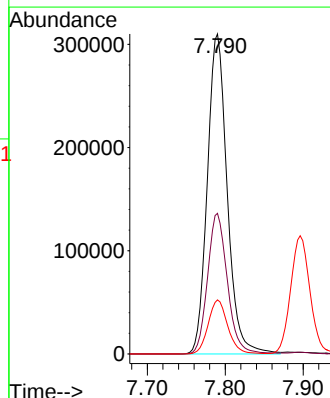
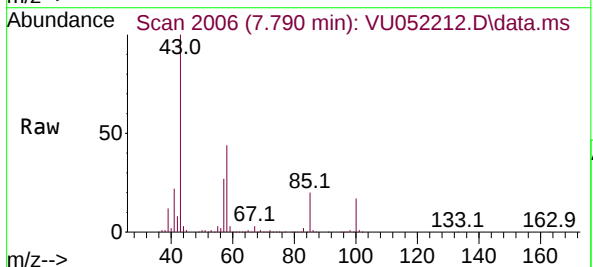
Tgt Ion: 43 Resp: 549675

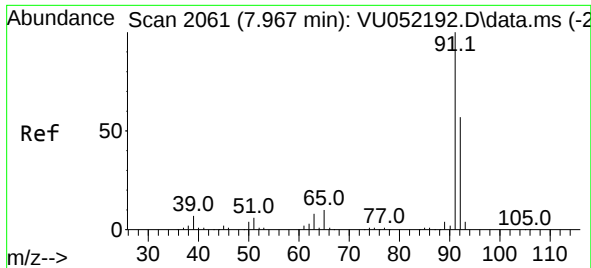
Ion Ratio Lower Upper

43 100

58 43.9 35.3 52.9

100 16.7 13.6 20.4





#42

Toluene

Concen: 5.716 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

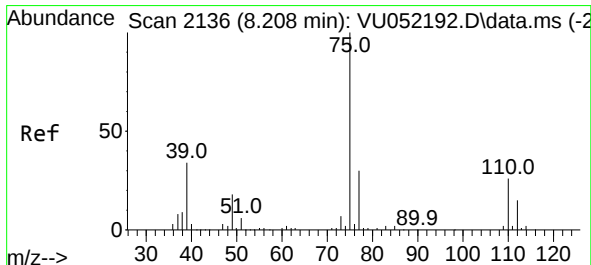
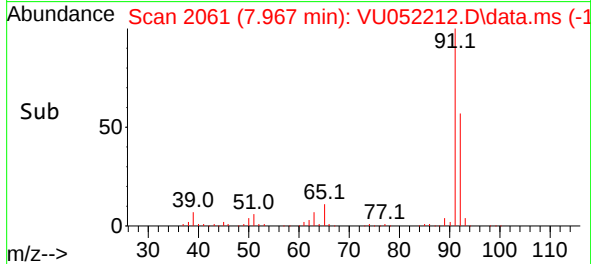
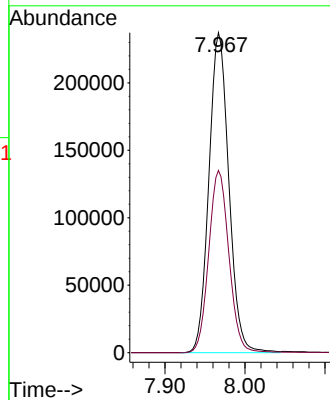
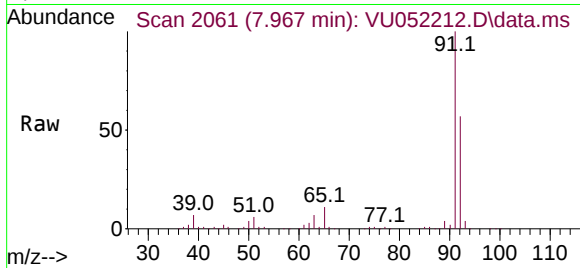
VSTD005095

Tgt Ion: 91 Resp: 411383

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.464 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052212.D

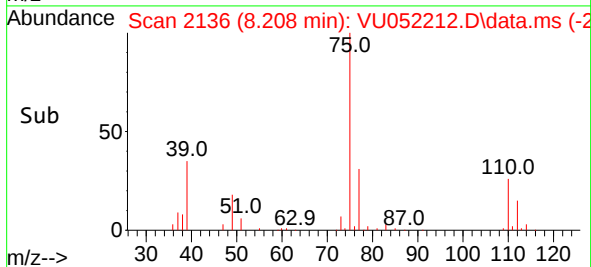
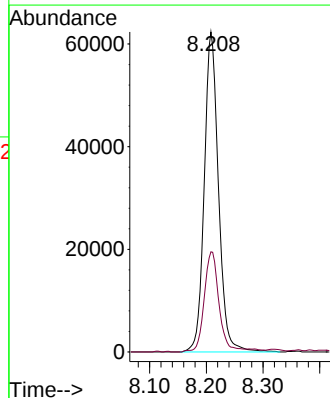
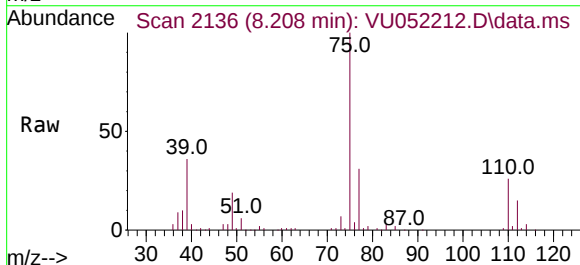
Acq: 07 Dec 2022 21:31

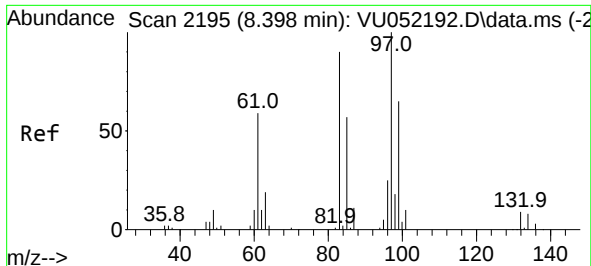
Tgt Ion: 75 Resp: 108835

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0

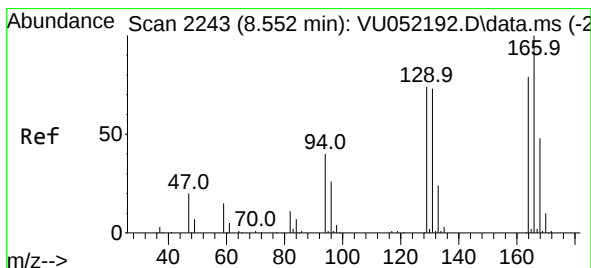
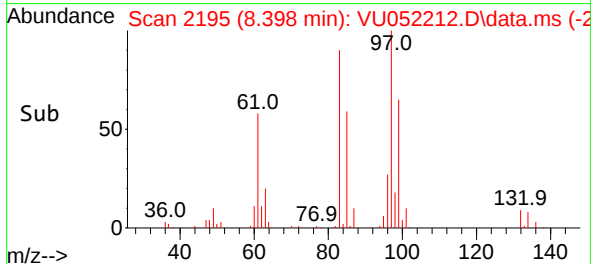
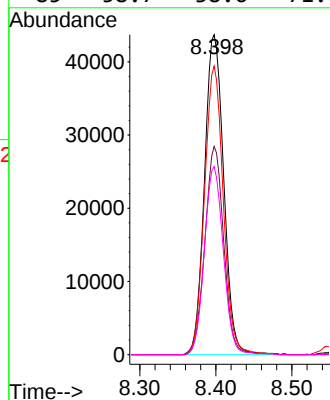
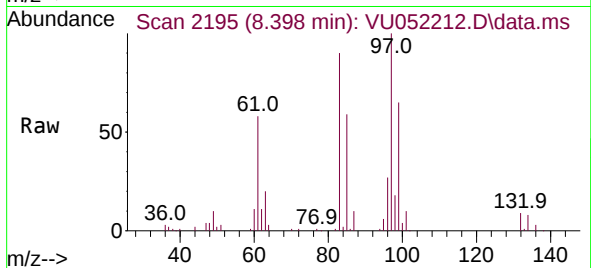




#45
1,1,2-Trichloroethane
Concen: 5.641 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

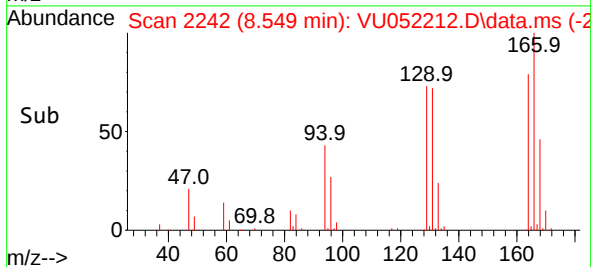
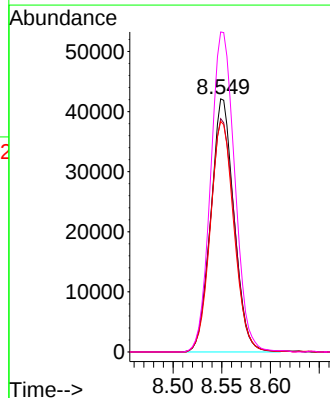
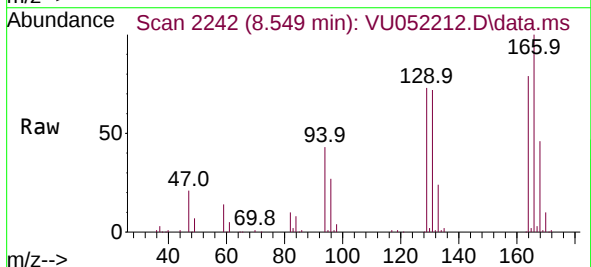
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

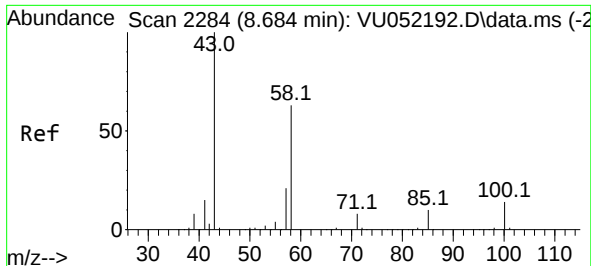
Tgt Ion:	97	Resp:	76793
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.6	79.2
83	90.2	60.7	112.7
85	58.7	38.6	71.6



#47
Tetrachloroethene
Concen: 5.228 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:	164	Resp:	69918
Ion	Ratio	Lower	Upper
164	100		
129	92.2	67.4	125.2
131	91.1	67.1	124.7
166	126.4	89.7	166.5



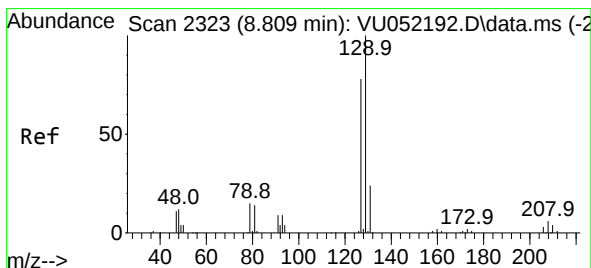
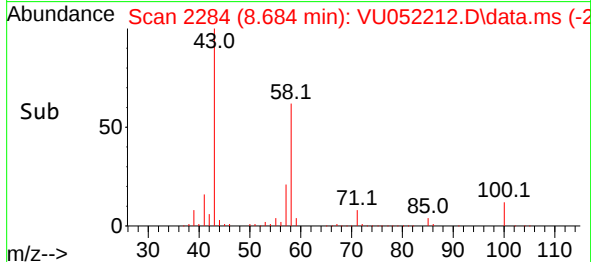
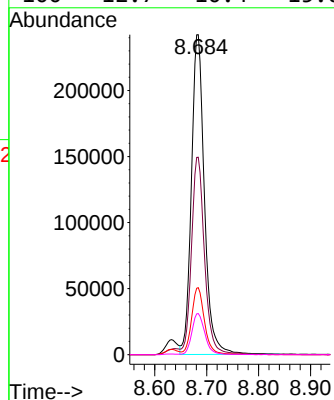
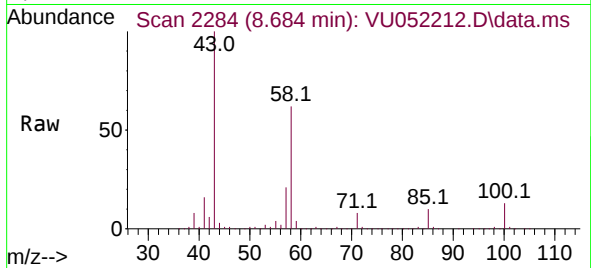


#48
2-Hexanone
Concen: 60.781 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

Tgt Ion: 43 Resp: 421668

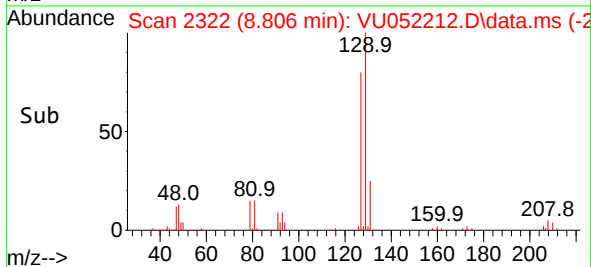
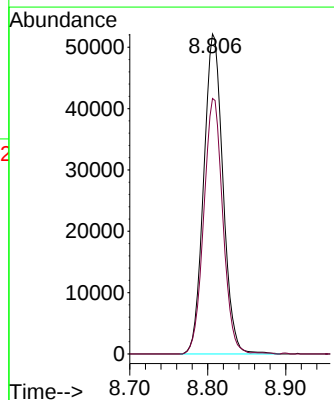
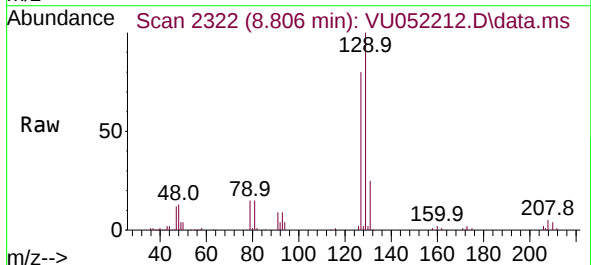
Ion	Ratio	Lower	Upper
43	100		
58	61.4	49.4	74.0
57	20.8	16.3	24.5
100	12.7	10.4	15.6

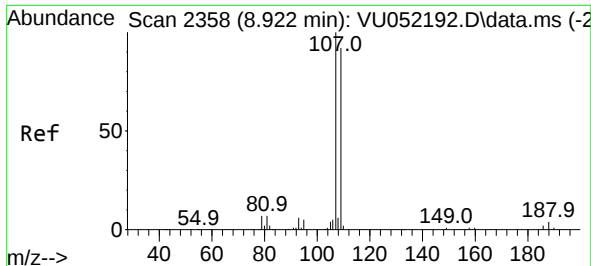


#49
Dibromochloromethane
Concen: 5.871 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 129 Resp: 89513

Ion	Ratio	Lower	Upper
129	100		
127	79.9	52.8	98.2

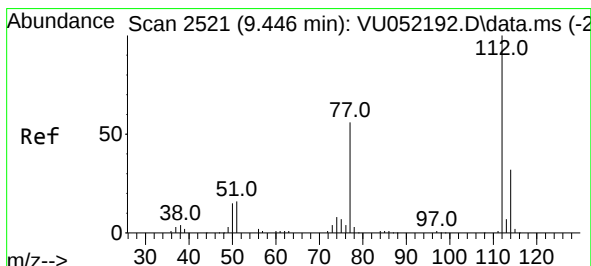
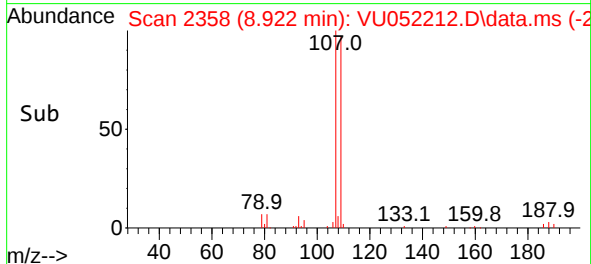
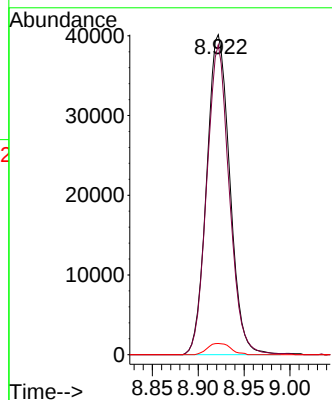
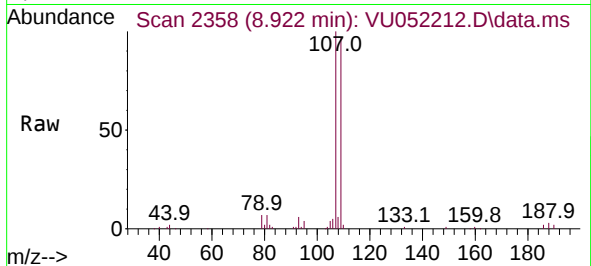




#50
1,2-Dibromoethane
Concen: 5.693 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

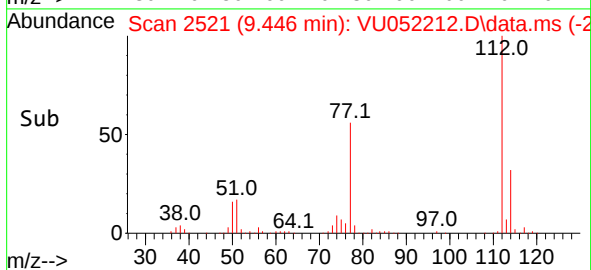
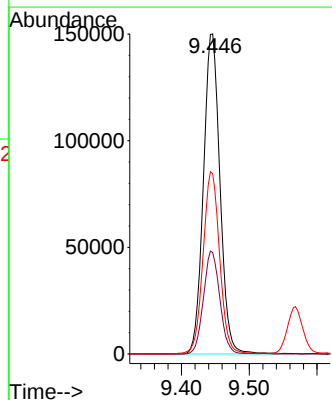
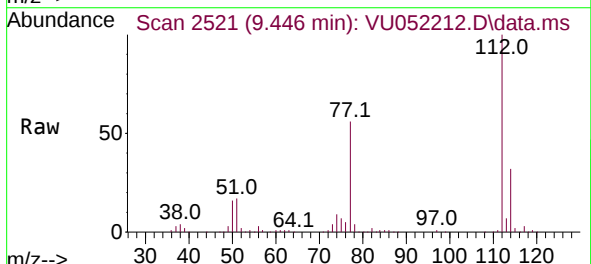
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

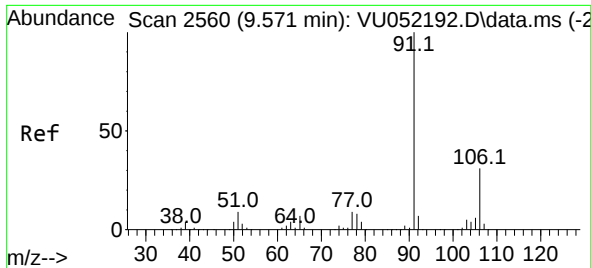
Tgt Ion:107 Resp: 70593
Ion Ratio Lower Upper
107 100
109 96.8 64.9 120.5
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.555 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:112 Resp: 254885
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 56.4 46.6 70.0

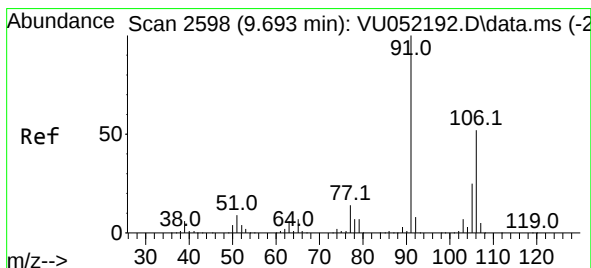
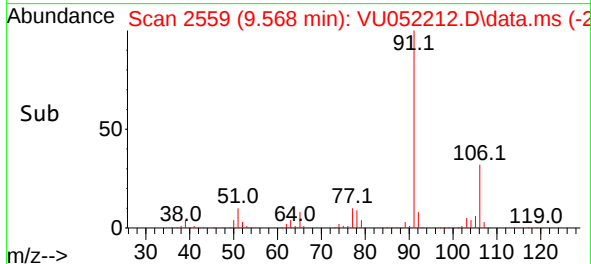
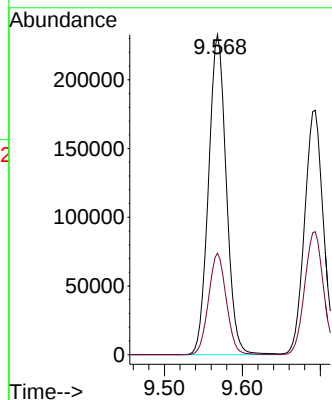
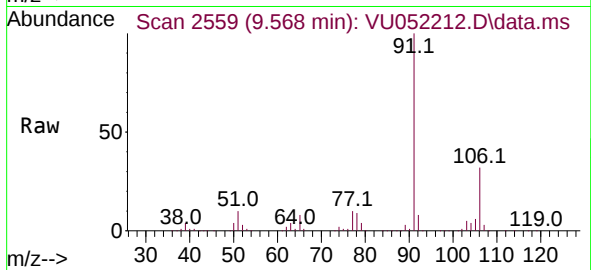




#52
Ethylbenzene
Concen: 5.276 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

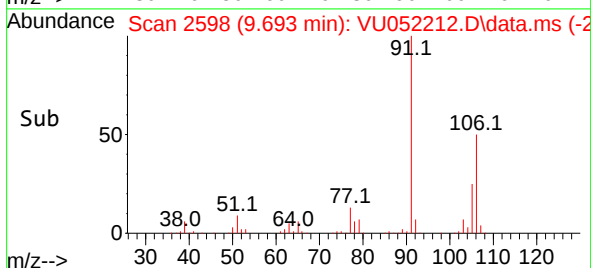
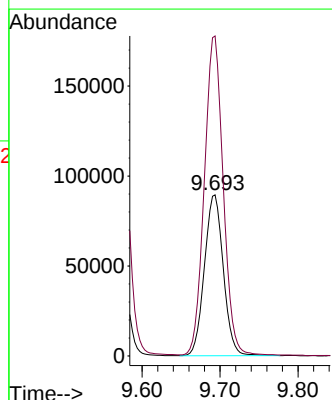
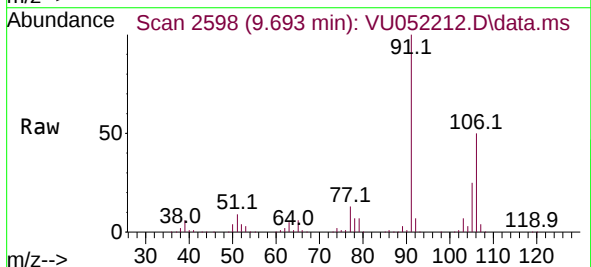
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

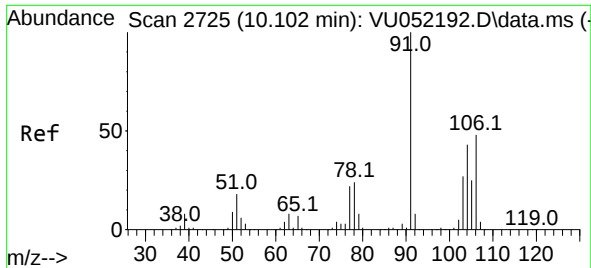
Tgt Ion: 91 Resp: 369139
Ion Ratio Lower Upper
91 100
106 31.7 22.3 41.3



#53
m,p-Xylene
Concen: 5.557 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 106 Resp: 150571
Ion Ratio Lower Upper
106 100
91 198.7 137.7 255.7

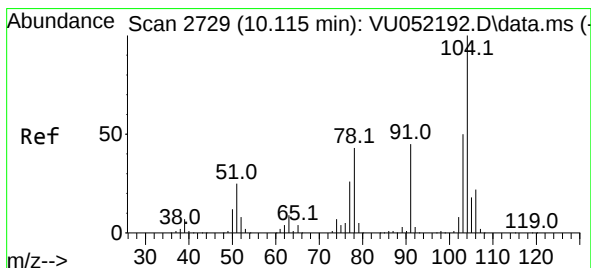
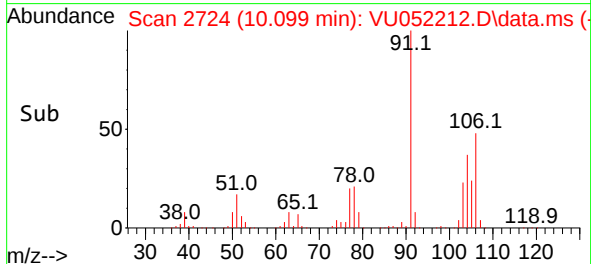
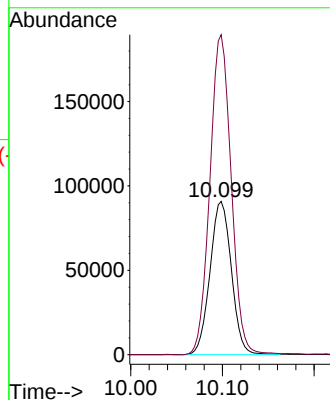
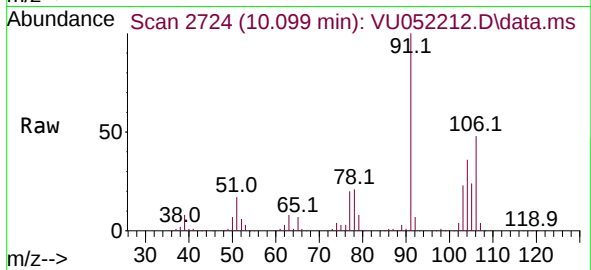




#54
o-Xylene
Concen: 5.672 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

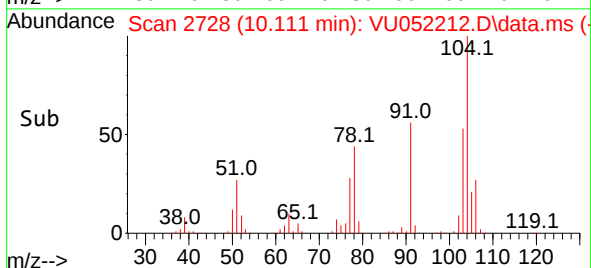
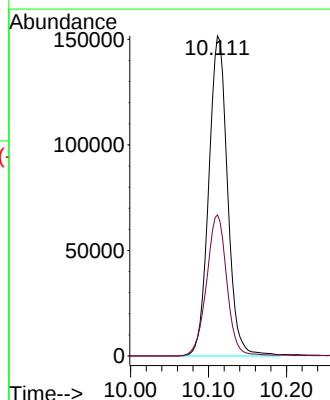
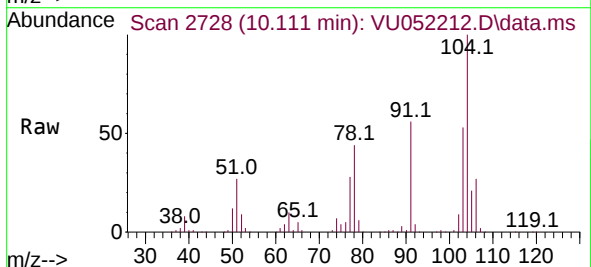
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

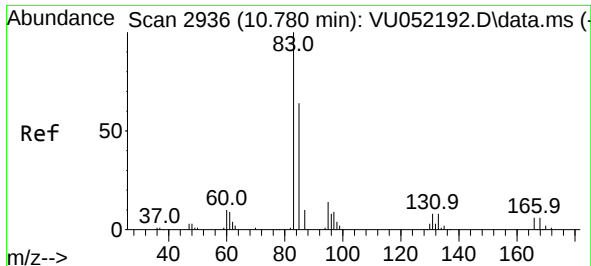
Tgt Ion:106 Resp: 147301
Ion Ratio Lower Upper
106 100
91 208.8 151.5 281.5



#55
Styrene
Concen: 5.812 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:104 Resp: 254937
Ion Ratio Lower Upper
104 100
78 44.1 30.6 56.8

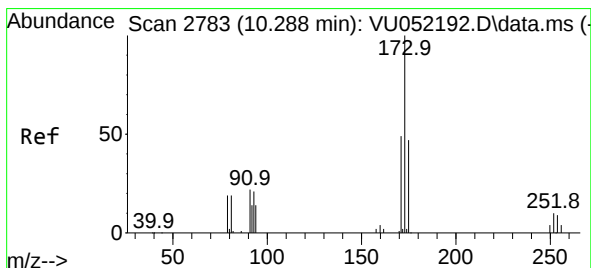
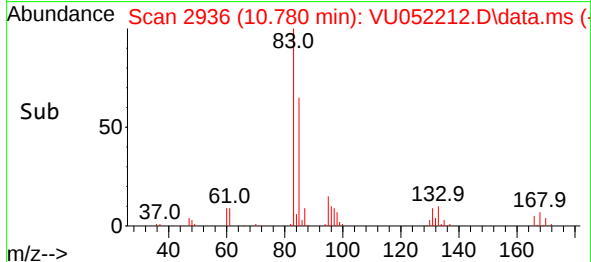
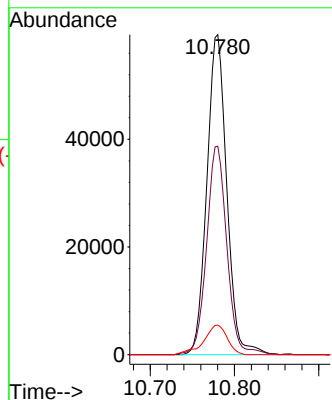
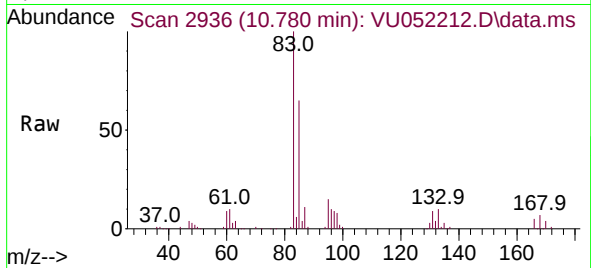




#57
1,1,2,2-Tetrachloroethane
Concen: 5.741 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

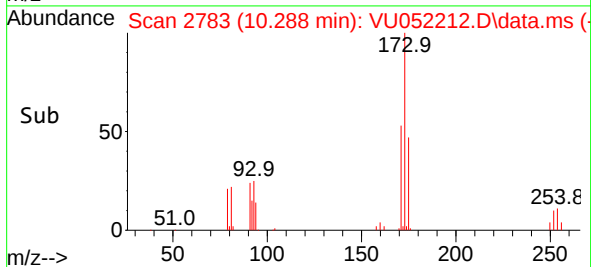
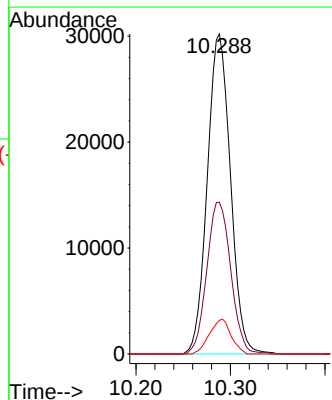
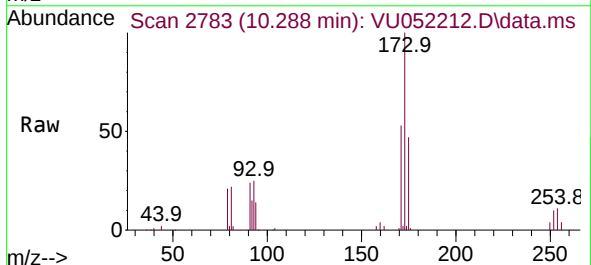
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

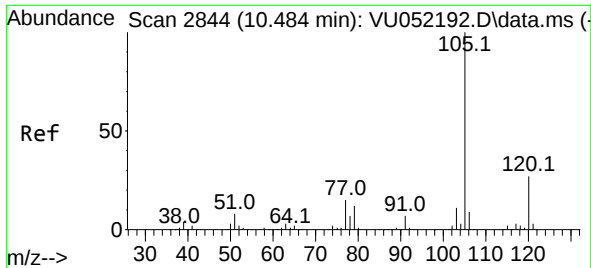
Tgt Ion: 83 Resp: 97625
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9
131 9.2 7.6 11.4



#59
Bromoform
Concen: 5.742 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:173 Resp: 51426
Ion Ratio Lower Upper
173 100
175 49.1 37.2 55.8
254 10.1 7.0 10.6

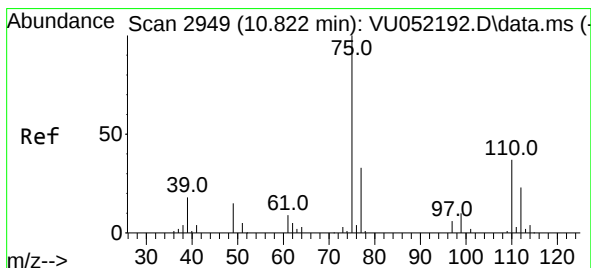
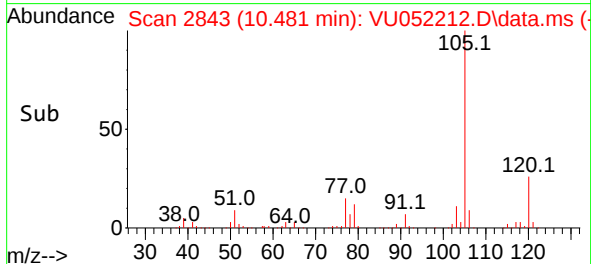
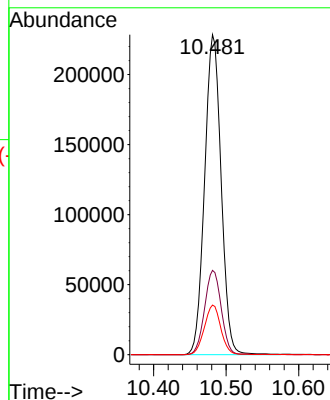
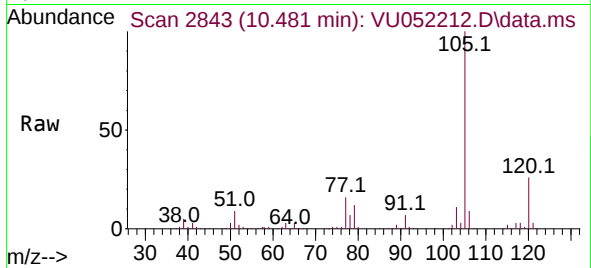




#60
Isopropylbenzene
Concen: 5.299 ug/L
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

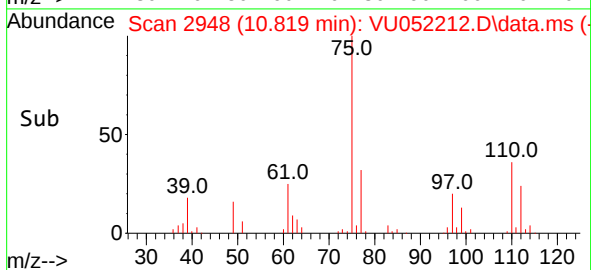
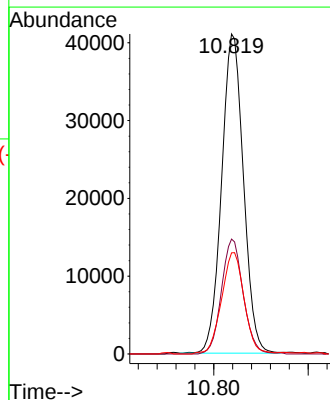
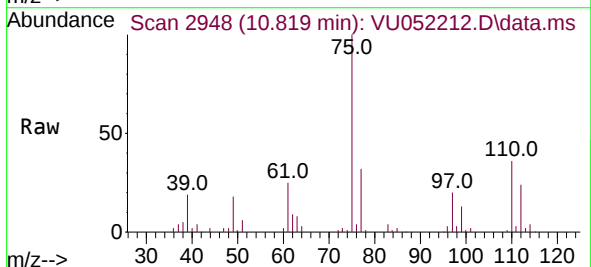
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

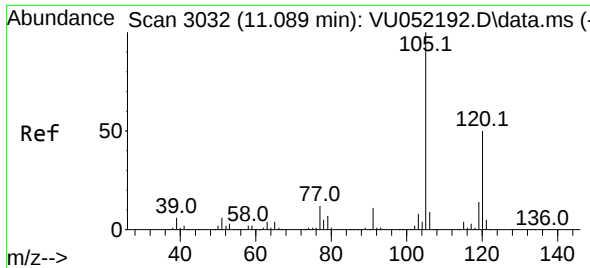
Tgt Ion:105 Resp: 361929
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.282 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion: 75 Resp: 65733
Ion Ratio Lower Upper
75 100
110 35.6 28.3 42.5
77 33.0 26.2 39.2

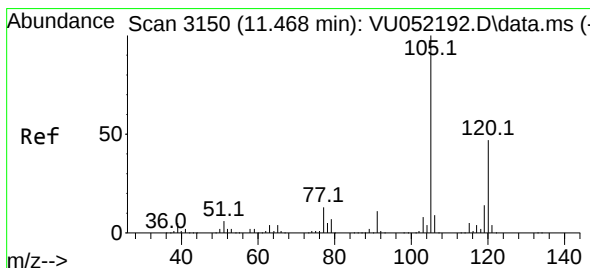
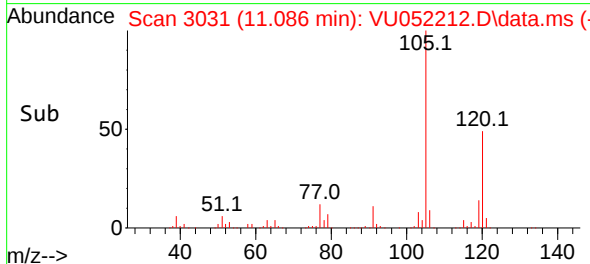
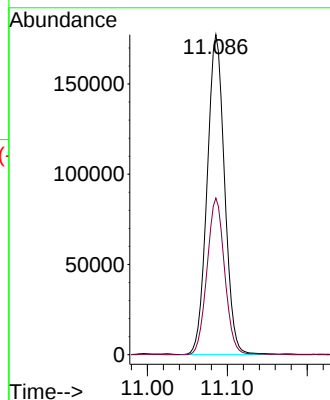
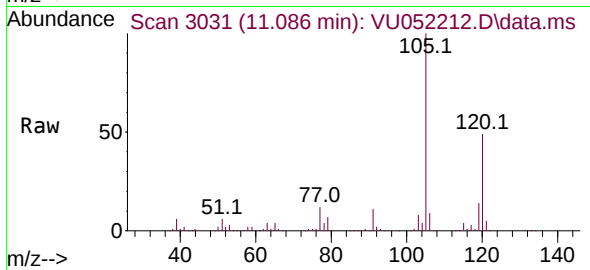




#62
1,3,5-Trimethylbenzene
Concen: 4.923 ug/L
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

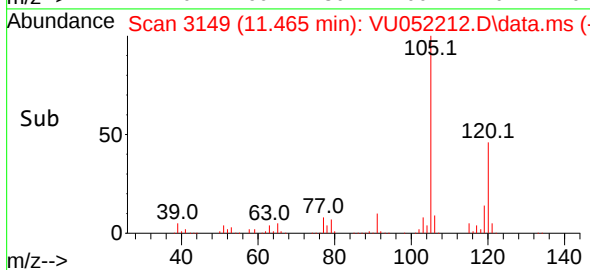
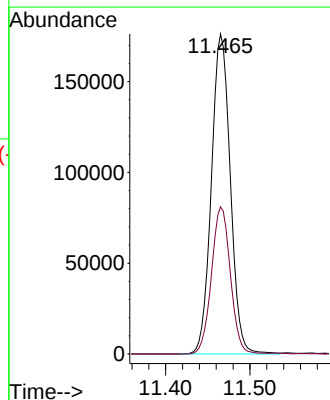
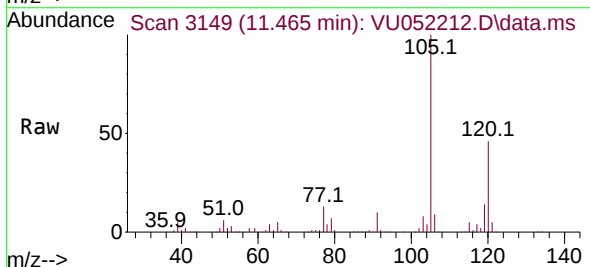
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

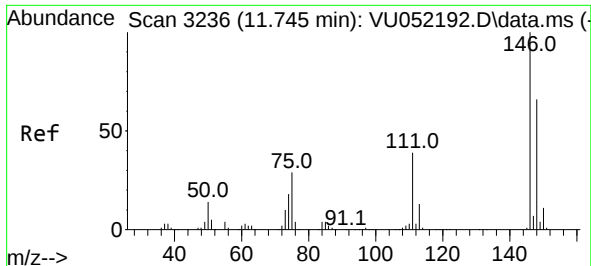
Tgt Ion:105 Resp: 268782
Ion Ratio Lower Upper
105 100
120 49.6 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 5.073 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:105 Resp: 274945
Ion Ratio Lower Upper
105 100
120 45.9 36.6 55.0

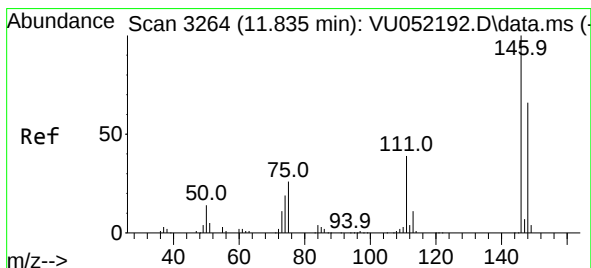
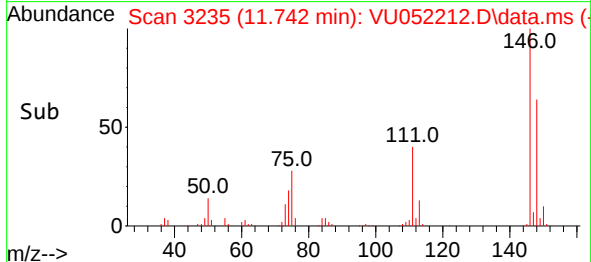
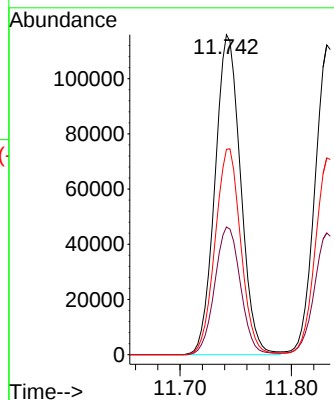
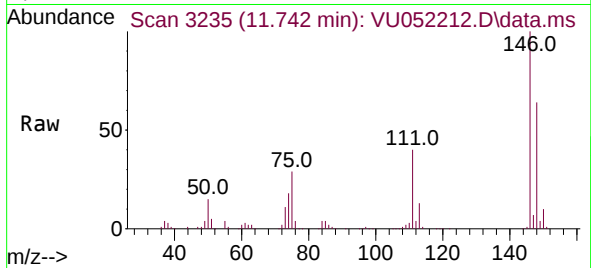




#64
 1,3-Dichlorobenzene
 Concen: 5.317 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU052212.D
 Acq: 07 Dec 2022 21:31

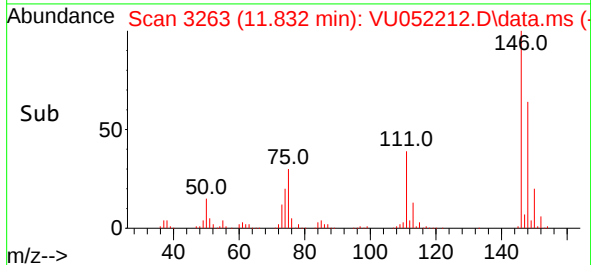
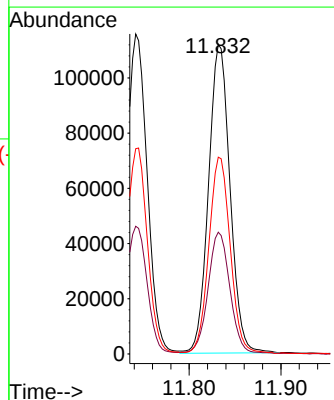
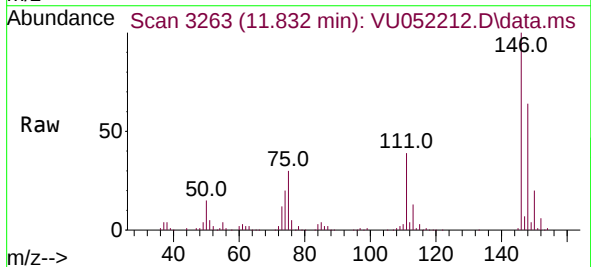
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005095

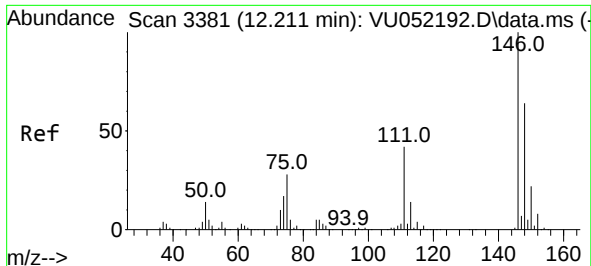
Tgt Ion:146 Resp: 185418
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.6 53.2
 148 64.1 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.003 min
 Lab File: VU052212.D
 Acq: 07 Dec 2022 21:31

Tgt Ion:146 Resp: 181891
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.9 50.1
 148 63.5 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.421 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005095

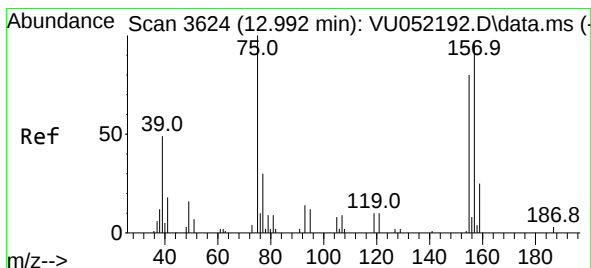
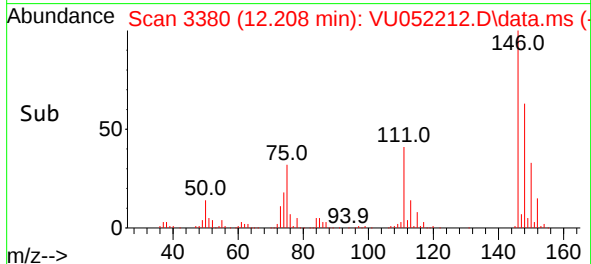
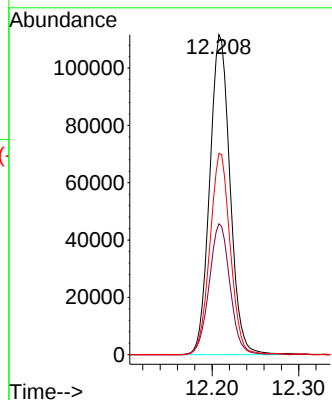
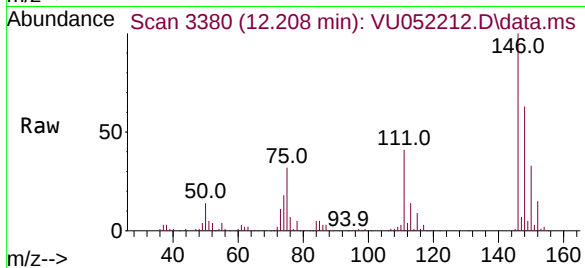
Tgt Ion:146 Resp: 182073

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

148 62.9 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.194 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052212.D

Acq: 07 Dec 2022 21:31

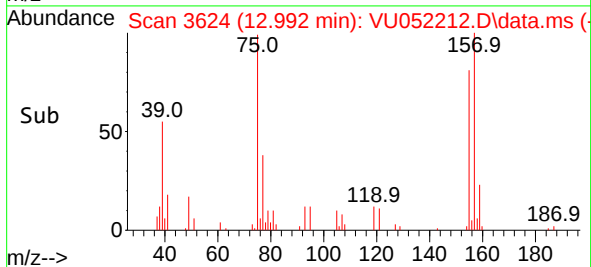
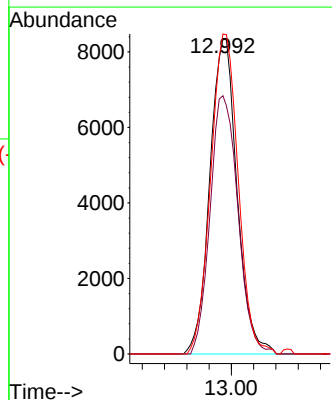
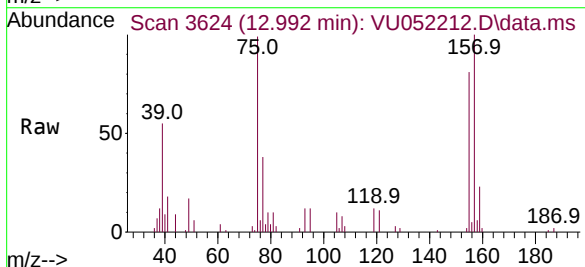
Tgt Ion: 75 Resp: 14146

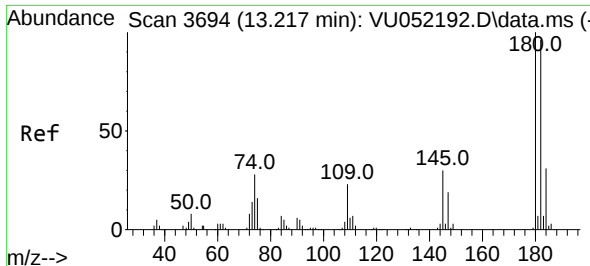
Ion Ratio Lower Upper

75 100

155 81.9 65.4 98.2

157 101.4 80.5 120.7

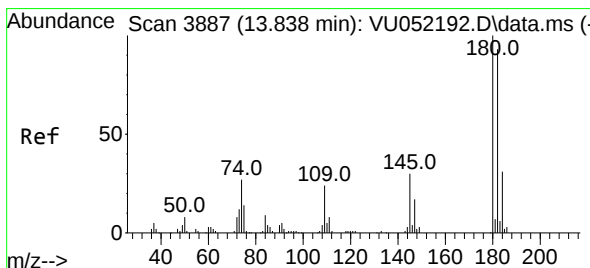
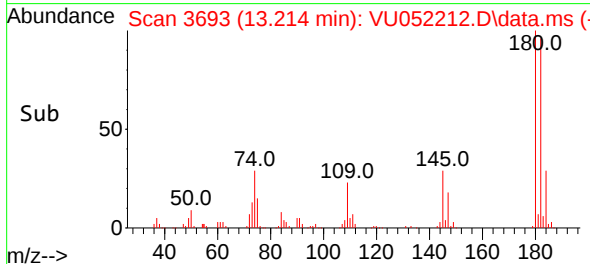
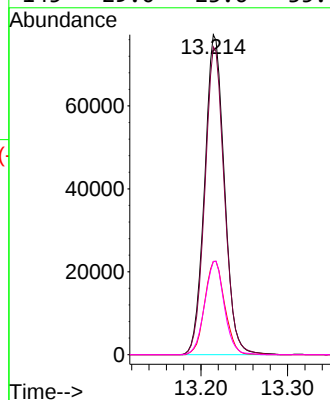
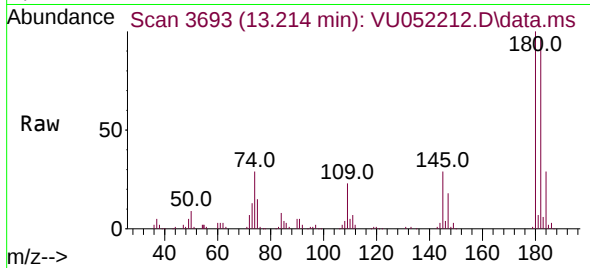




#69
1,3,5-Trichlorobenzene
Concen: 4.941 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

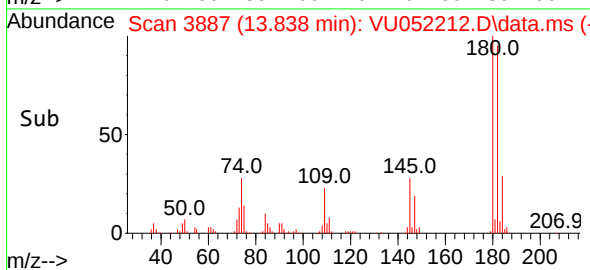
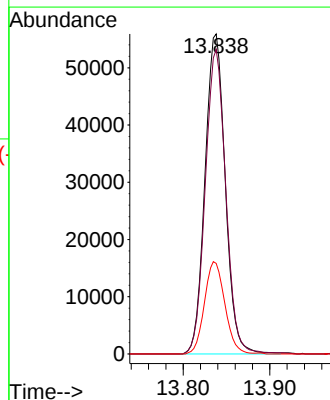
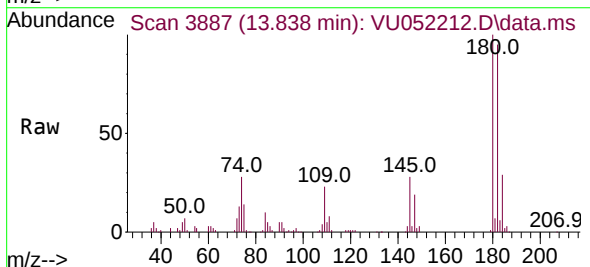
Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

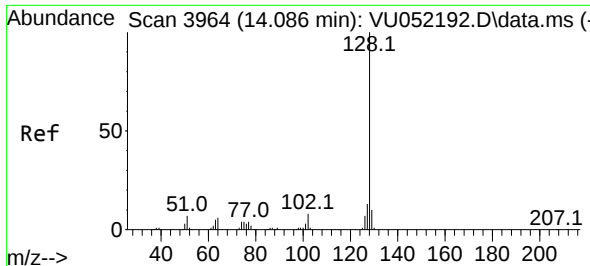
Tgt Ion:180 Resp: 122182
Ion Ratio Lower Upper
180 100
182 95.1 75.7 113.5
184 29.6 24.3 36.5
145 29.0 23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 4.837 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:180 Resp: 91082
Ion Ratio Lower Upper
180 100
182 96.2 76.3 114.5
145 29.0 24.6 36.8

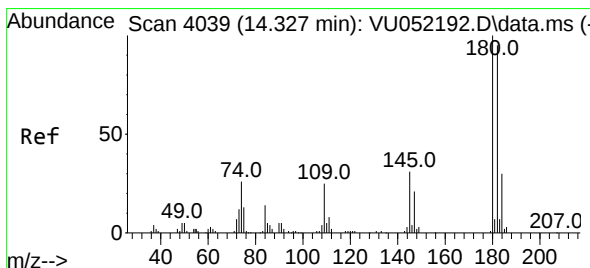
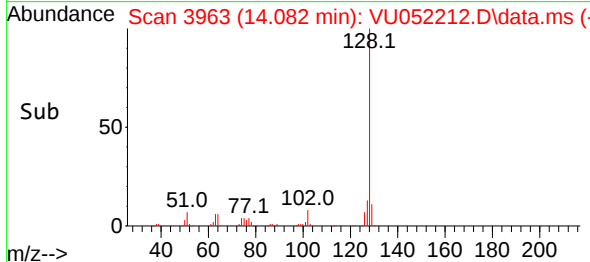
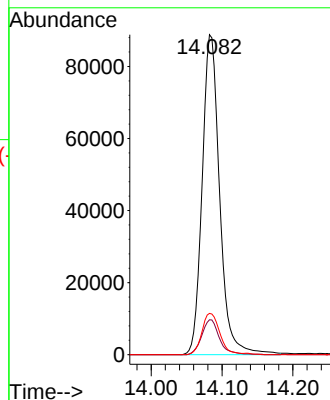
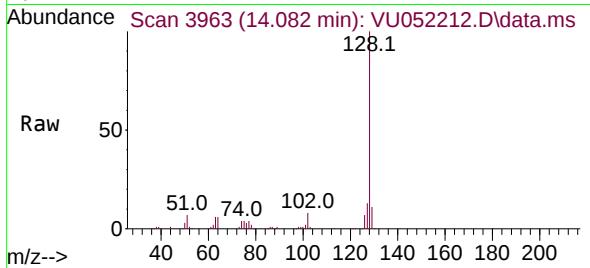




#71
Naphthalene
Concen: 4.309 ug/L
RT: 14.082 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005095

Tgt Ion:128 Resp: 152360
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.1 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.941 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052212.D
Acq: 07 Dec 2022 21:31

Tgt Ion:180 Resp: 91551
Ion Ratio Lower Upper
180 100
182 96.5 75.7 113.5
145 31.4 24.5 36.7

