

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061323\
 Data File : VU054511.D
 Acq On : 13 Jun 2023 15:26
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Jun 14 00:09:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	275507	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	270329	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	147060	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	83870	4.783	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.914	69	95656	5.827	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.600%
11) 1,1-Dichloroethene-d2	2.563	65	38895	4.967	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.400%
20) 2-Butanone-d5	4.637	46	277840	56.360	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.720%
24) Chloroform-d	5.058	84	203831	5.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.200%
26) 1,2-Dichloroethane-d4	5.698	65	99019	5.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.724	84	394741	5.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	6.688	67	130992	5.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.894	98	348349	5.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
43) trans-1,3-Dichloroprop...	8.177	79	41104	4.710	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.631	63	189538	51.768	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.540%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	99997	5.343	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	130291	5.253	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	127234	4.942	ug/L	99
3) Chloromethane	1.518	50	147518	4.988	ug/L	99
5) Vinyl chloride	1.602	62	155993	5.139	ug/L	99
6) Bromomethane	1.856	94	88260	5.289	ug/L	99
8) Chloroethane	1.933	64	97568	5.363	ug/L	100
9) Trichlorofluoromethane	2.136	101	197826	5.301	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	114357	5.238	ug/L	97
12) 1,1-Dichloroethene	2.576	96	104149	5.212	ug/L	88
13) Acetone	2.653	43	182329	39.227	ug/L	99
14) Carbon disulfide	2.792	76	299835	5.060	ug/L	99
15) Methyl Acetate	2.959	43	44436	5.159	ug/L	97
16) Methylene chloride	3.042	84	128467	4.572	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	253174	5.133	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	106702	5.172	ug/L	97
19) 1,1-Dichloroethane	3.865	63	224379	5.255	ug/L	97
21) 2-Butanone	4.718	43	294569	48.832	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	120877	5.145	ug/L	99
23) Bromochloromethane	4.972	128	52636	5.384	ug/L	98
25) Chloroform	5.084	83	221363	5.259	ug/L	97

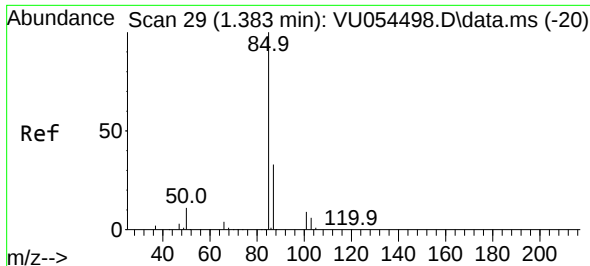
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061323\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	129072	5.231	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	187787	5.123	ug/L	99
30) Cyclohexane	5.386	56	184265	4.615	ug/L	96
31) Carbon tetrachloride	5.521	117	163197	5.167	ug/L	98
33) Benzene	5.769	78	481397	4.955	ug/L	100
34) Trichloroethene	6.541	95	127737	4.972	ug/L	95
35) Methylcyclohexane	6.759	83	182740	4.706	ug/L	98
37) 1,2-Dichloropropane	6.788	63	129499	4.930	ug/L	99
38) Bromodichloromethane	7.100	83	152604	5.132	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	179615	5.008	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	697951	49.788	ug/L	99
42) Toluene	7.965	91	517431	5.172	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	148212	5.092	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	85404	5.111	ug/L	99
47) Tetrachloroethene	8.550	164	95844	4.874	ug/L	98
48) 2-Hexanone	8.682	43	514129	49.221	ug/L	99
49) Dibromochloromethane	8.807	129	94813	5.403	ug/L	99
50) 1,2-Dibromoethane	8.920	107	78705	5.130	ug/L	99
51) Chlorobenzene	9.441	112	317172	5.086	ug/L	97
52) Ethylbenzene	9.566	91	549507	5.029	ug/L	100
53) m,p-Xylene	9.692	106	205143	5.111	ug/L	99
54) o-Xylene	10.097	106	200602	5.168	ug/L	100
55) Styrene	10.110	104	344571	5.289	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	106013	4.994	ug/L	98
59) Bromoform	10.286	173	57109	5.409	ug/L	97
60) Isopropylbenzene	10.479	105	545575	5.071	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	72155	4.855	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	433458	4.938	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	442549	4.964	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	257652	5.124	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	253892	5.031	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	235326	5.088	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	15751	4.823	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	188320	4.963	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	148434	4.731	ug/L	99
71) Naphthalene	14.084	128	214949	4.213	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	131469	4.878	ug/L	98

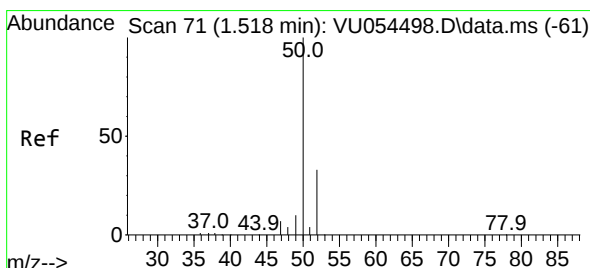
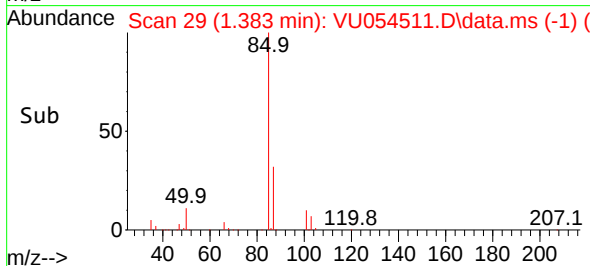
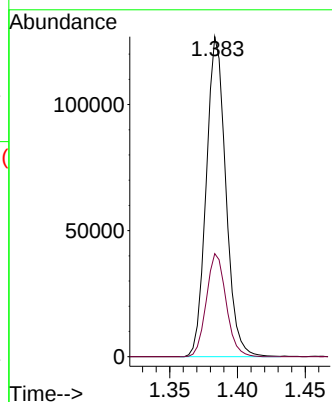
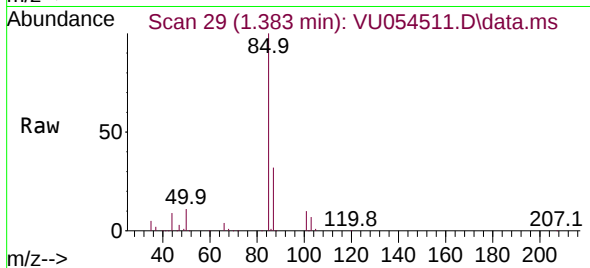
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.942 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

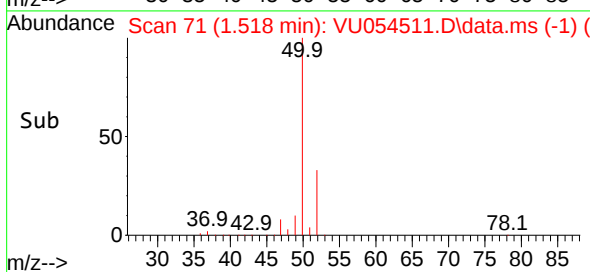
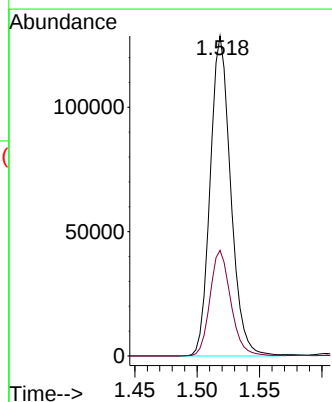
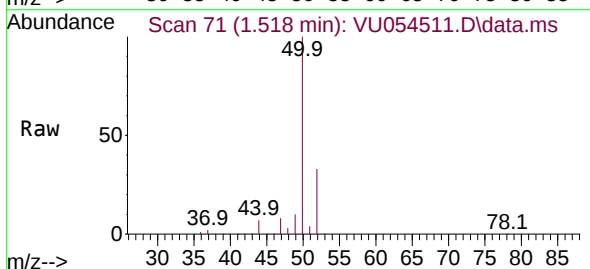
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 ClientSampleId :
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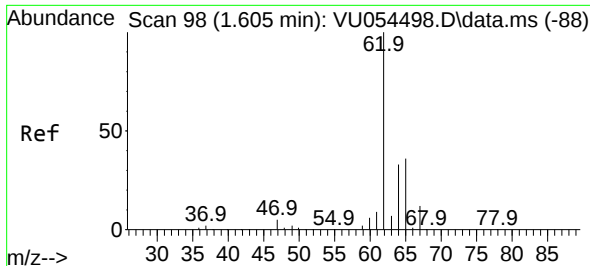
Tgt Ion: 85 Resp: 127234
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.4 38.2



#3
 Chloromethane
 Concen: 4.988 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion: 50 Resp: 147518
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.4 43.4

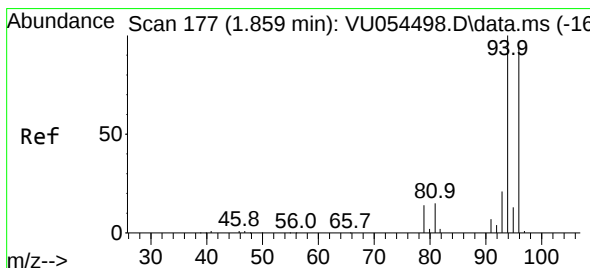
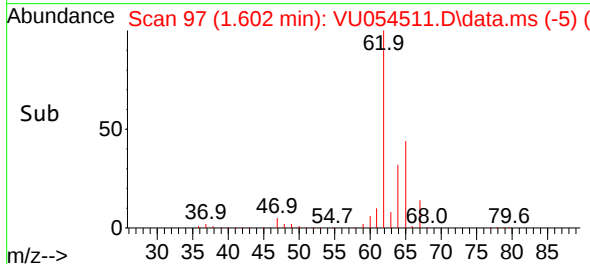
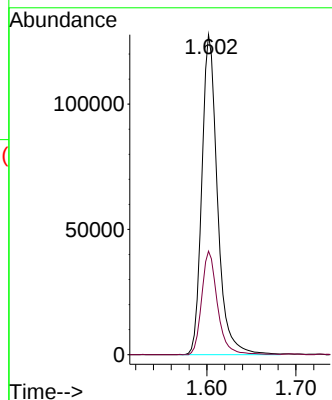
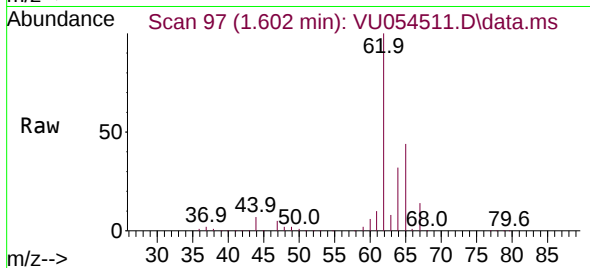




#5
 Vinyl chloride
 Concen: 5.139 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

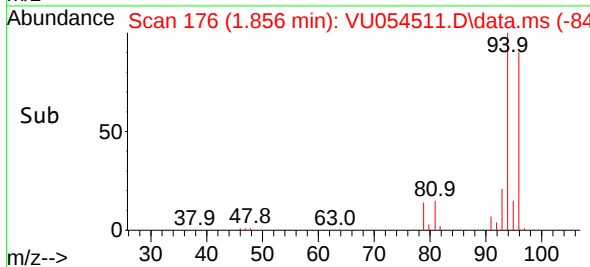
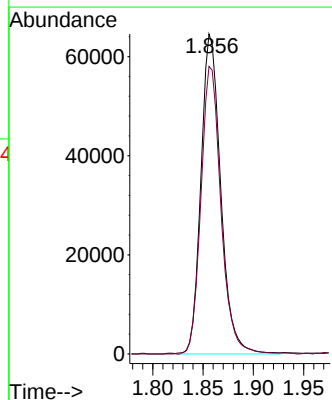
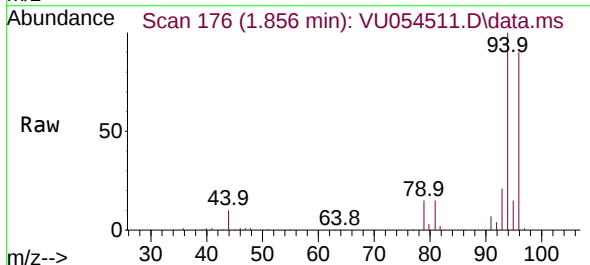
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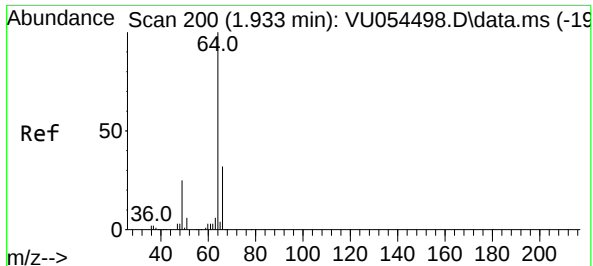
Tgt Ion: 62 Resp: 155993
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.0 42.6



#6
 Bromomethane
 Concen: 5.289 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion: 94 Resp: 88260
 Ion Ratio Lower Upper
 94 100
 96 89.8 63.6 118.2

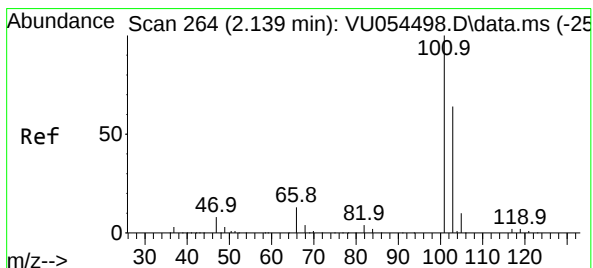
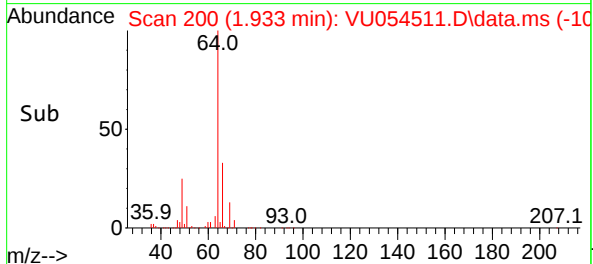
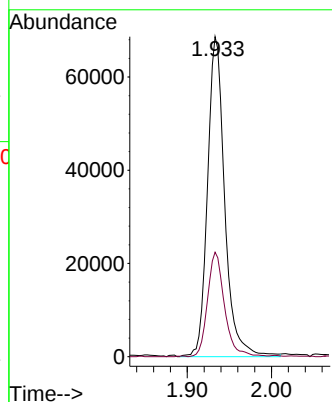
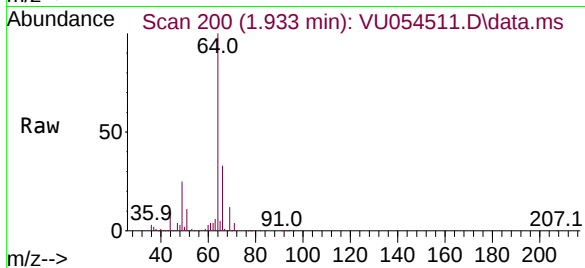




#8
Chloroethane
Concen: 5.363 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

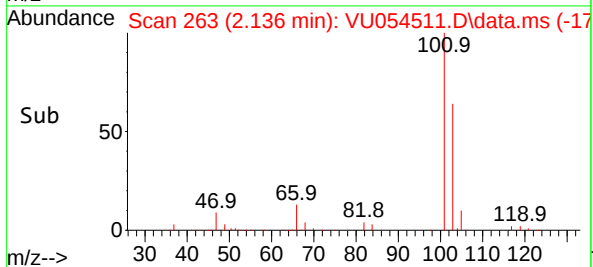
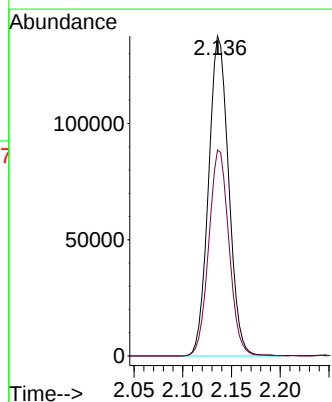
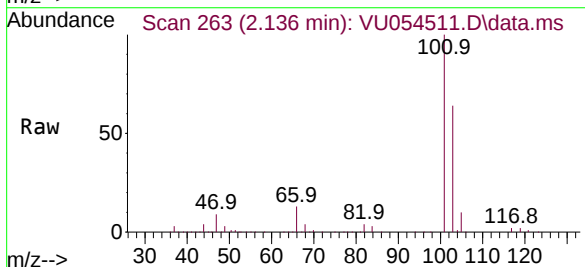
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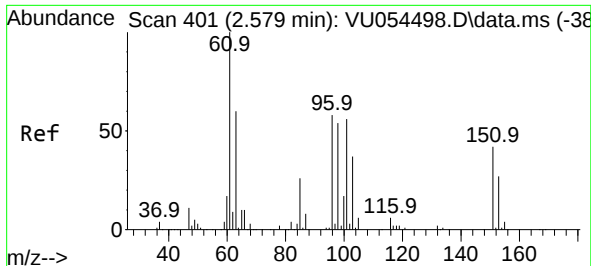
Tgt Ion: 64 Resp: 97568
Ion Ratio Lower Upper
64 100
66 32.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.301 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 101 Resp: 197826
Ion Ratio Lower Upper
101 100
103 64.7 50.6 75.8

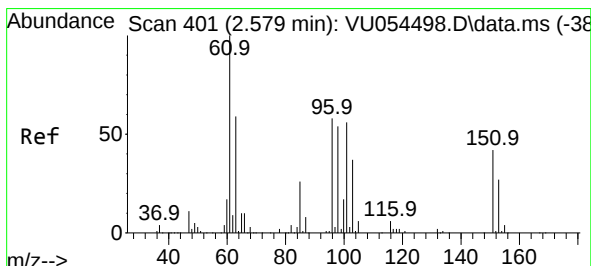
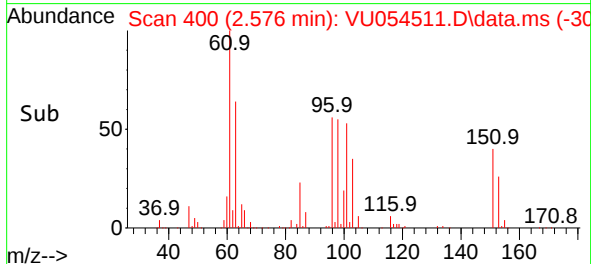
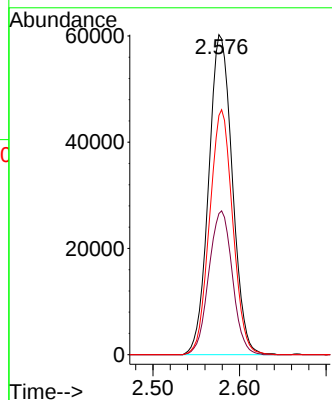
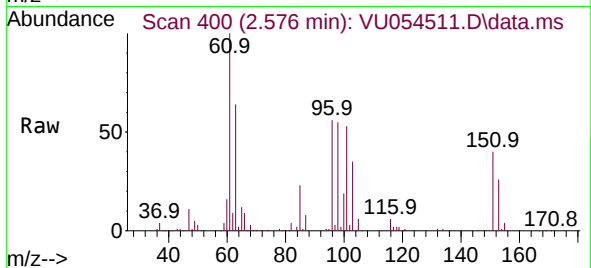




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.238 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

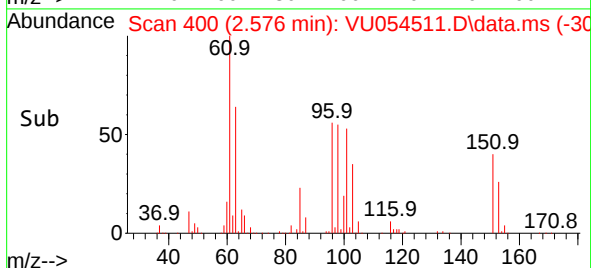
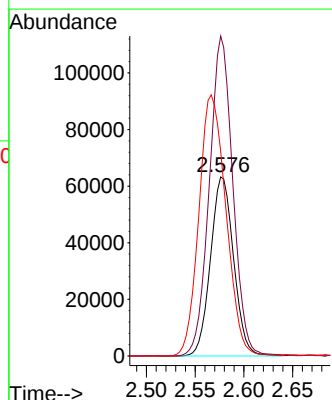
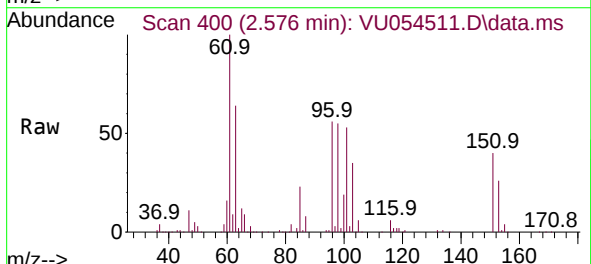
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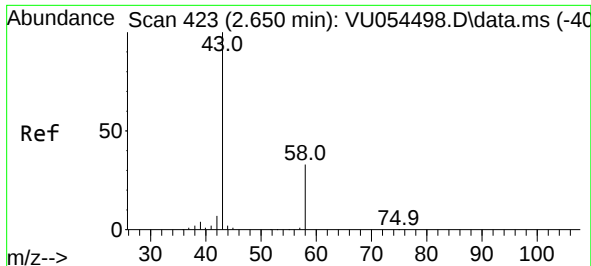
Tgt Ion:101 Resp: 114357
 Ion Ratio Lower Upper
 101 100
 85 44.7 34.6 51.8
 151 74.9 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.212 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion: 96 Resp: 104149
 Ion Ratio Lower Upper
 96 100
 61 178.7 119.9 222.7
 63 114.3 64.3 119.3





#13

Acetone

Concen: 39.227 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

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MSVOA_U

ClientSampleId :

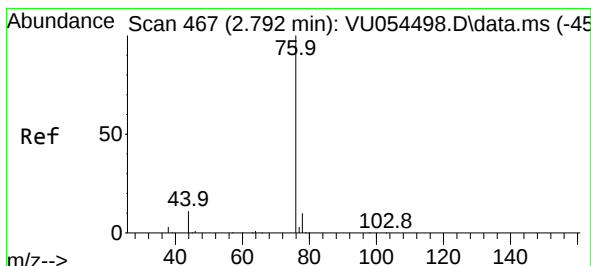
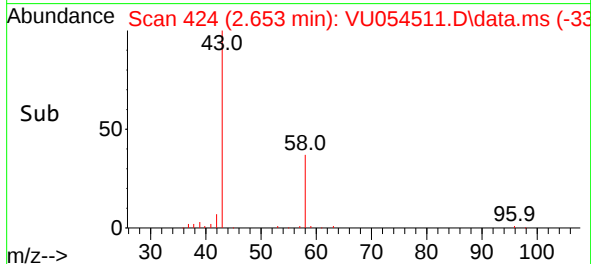
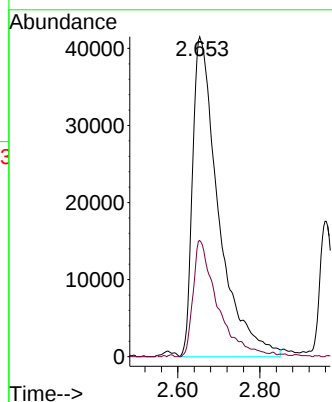
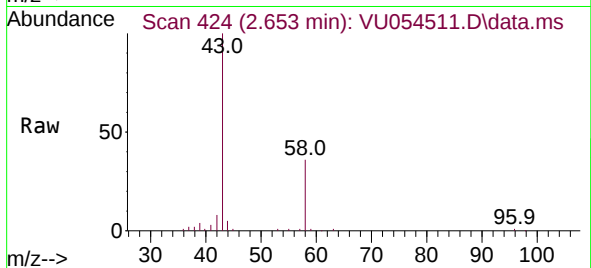
VSTD005183

Tgt Ion: 43 Resp: 182329

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 5.060 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054511.D

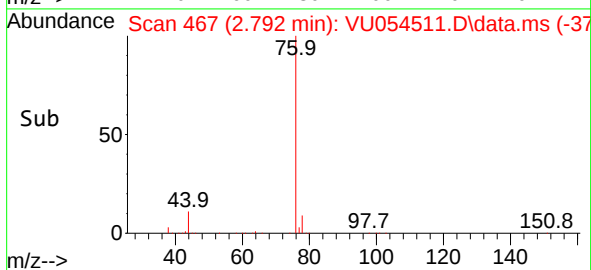
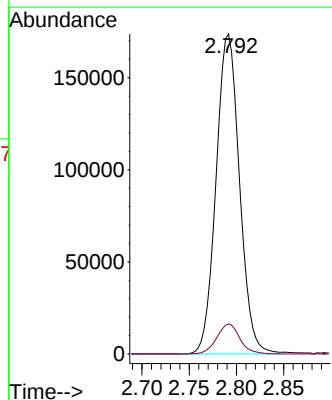
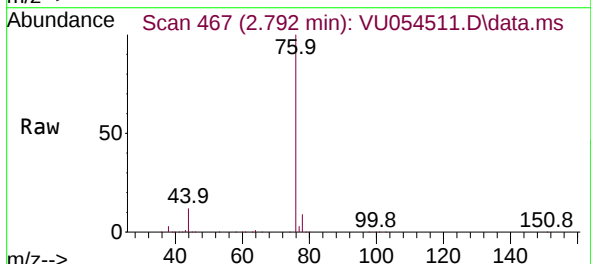
Acq: 13 Jun 2023 15:26

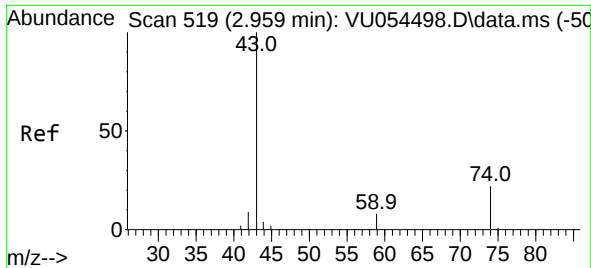
Tgt Ion: 76 Resp: 299835

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

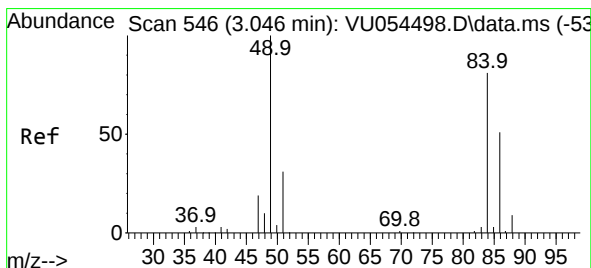
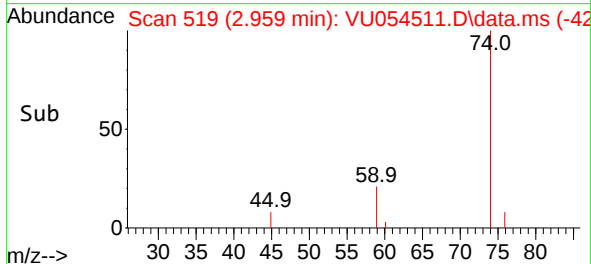
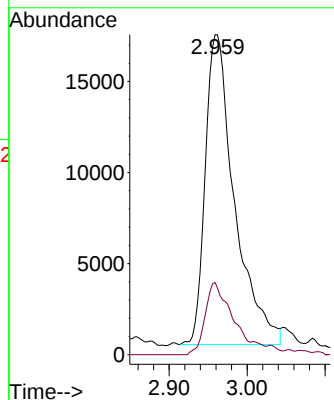
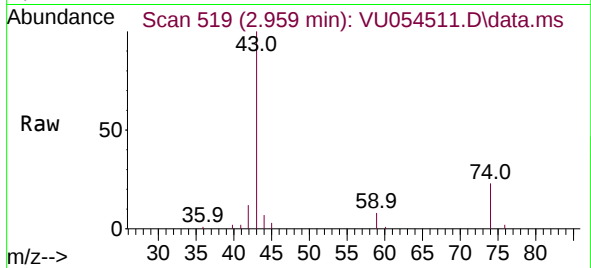




#15
Methyl Acetate
Concen: 5.159 ug/L
RT: 2.959 min Scan# 519
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

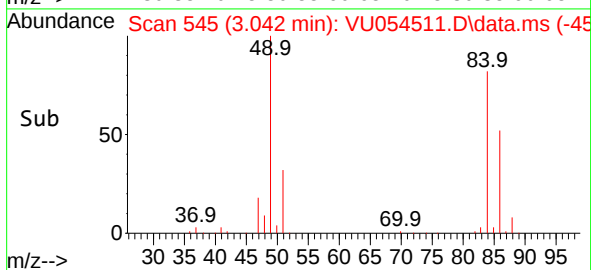
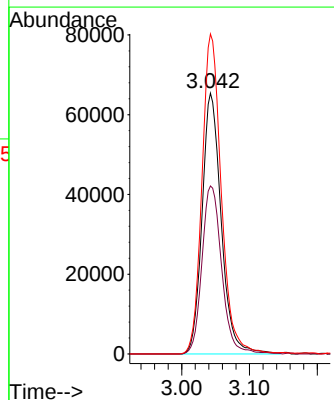
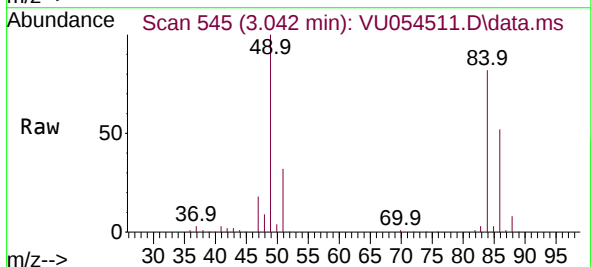
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

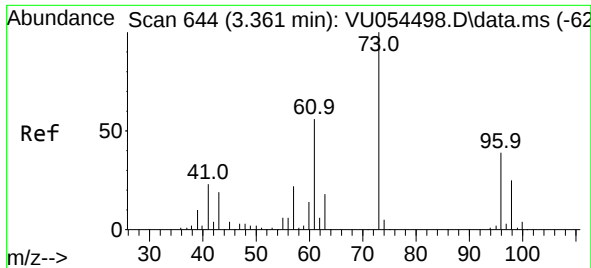
Tgt Ion: 43 Resp: 44436
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.6



#16
Methylene chloride
Concen: 4.572 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 84 Resp: 128467
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 122.7 86.1 159.9

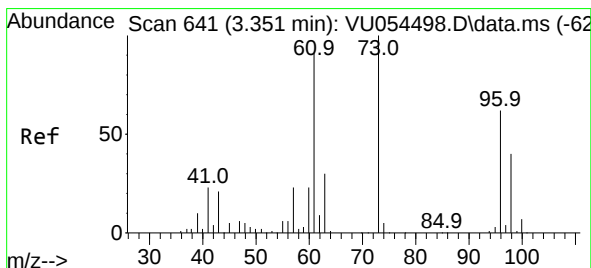
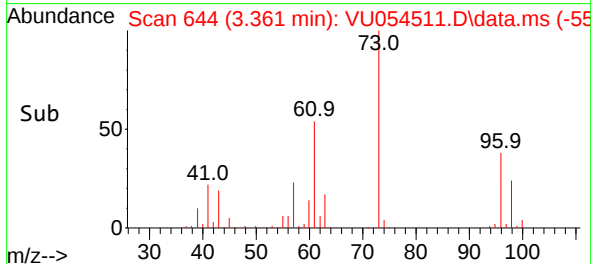
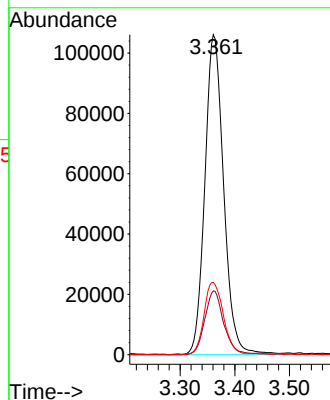
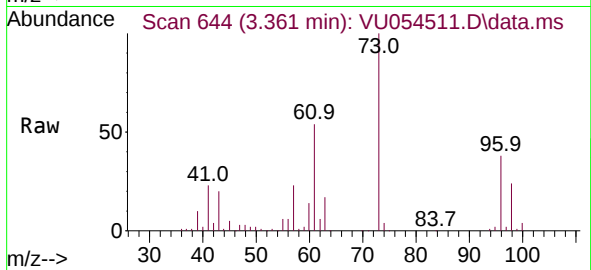




#17
Methyl tert-butyl Ether
Concen: 5.133 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

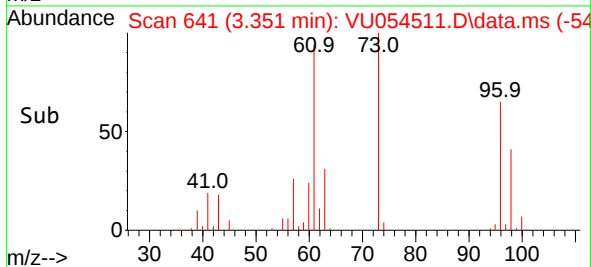
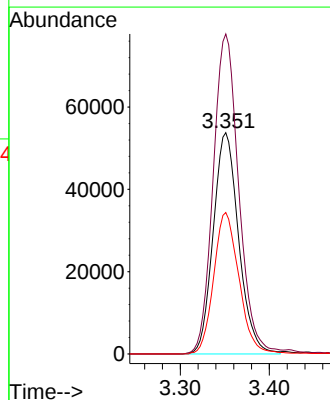
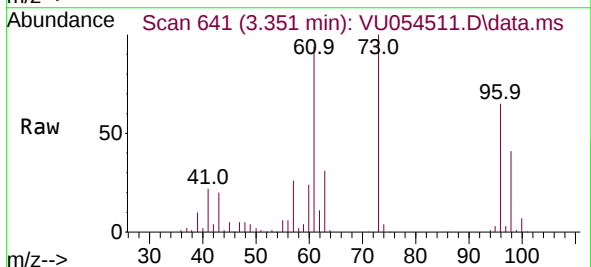
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

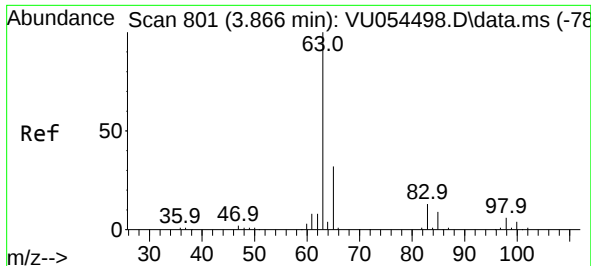
Tgt Ion: 73 Resp: 253174
Ion Ratio Lower Upper
73 100
43 19.6 15.7 23.5
57 23.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.172 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 96 Resp: 106702
Ion Ratio Lower Upper
96 100
61 144.6 104.6 194.2
98 63.9 45.4 84.4

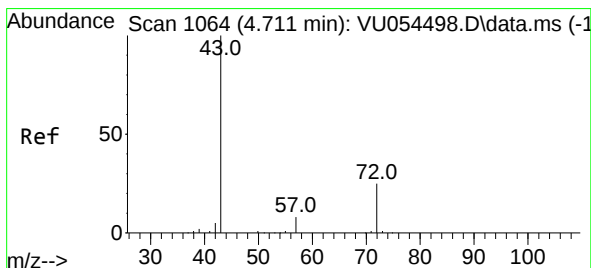
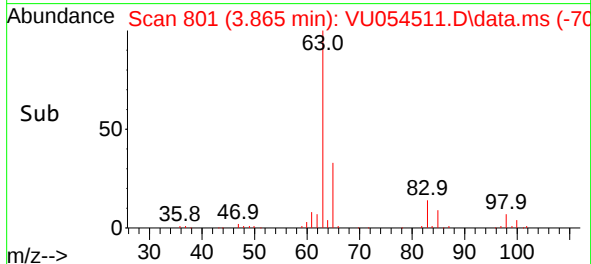
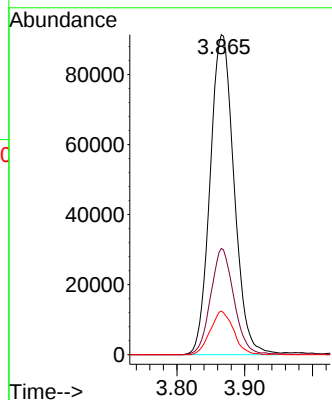
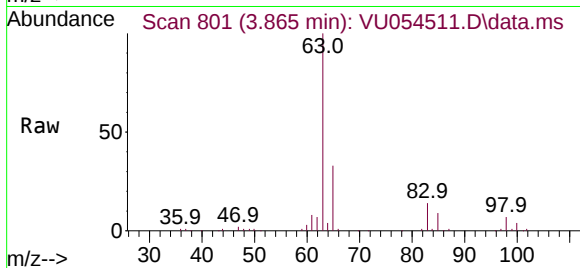




#19
1,1-Dichloroethane
Concen: 5.255 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

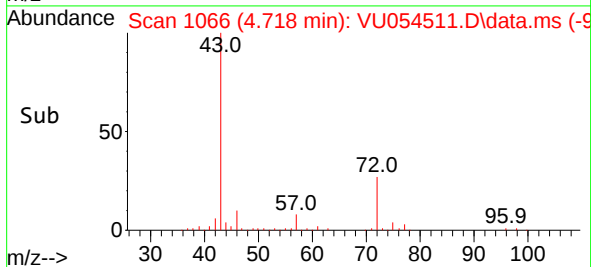
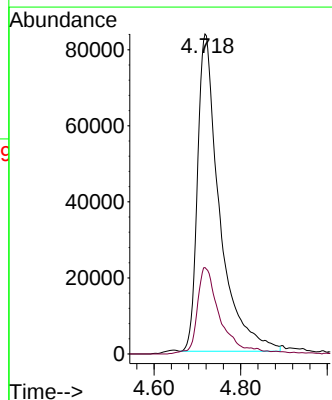
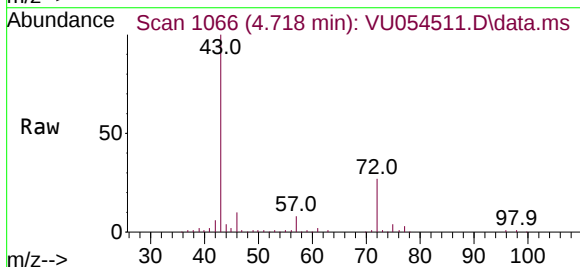
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

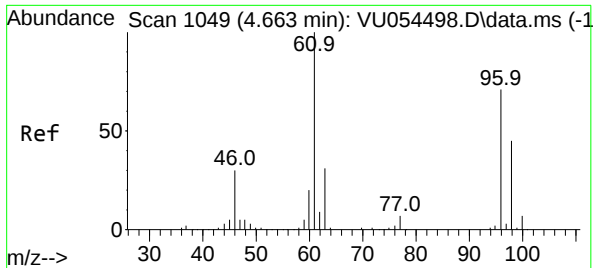
Tgt Ion: 63 Resp: 224379
Ion Ratio Lower Upper
63 100
65 33.2 22.2 41.2
83 13.6 9.0 16.6



#21
2-Butanone
Concen: 48.832 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 43 Resp: 294569
Ion Ratio Lower Upper
43 100
72 27.3 13.4 40.1

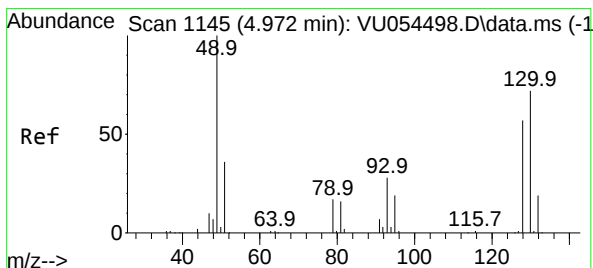
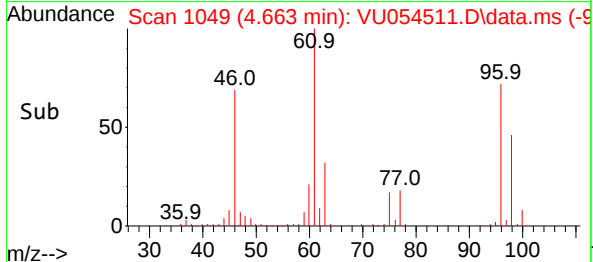
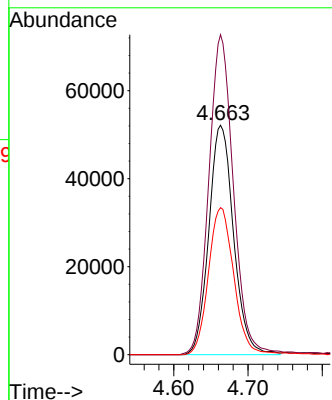
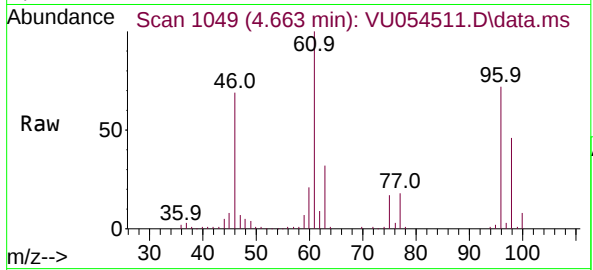




#22
 cis-1,2-Dichloroethene
 Concen: 5.145 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

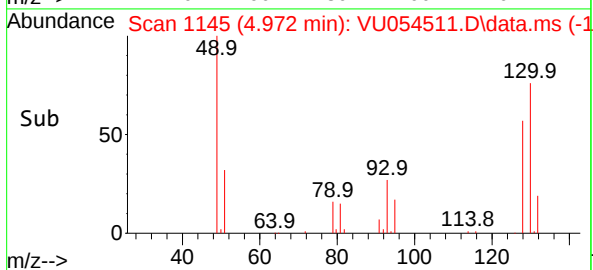
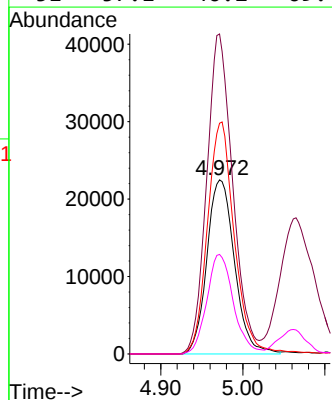
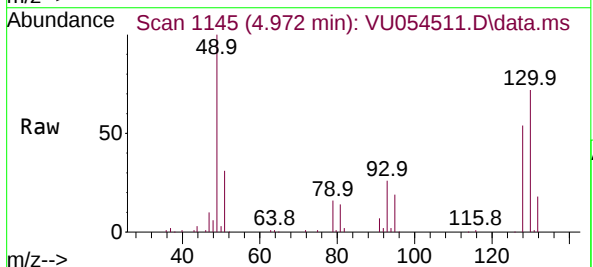
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

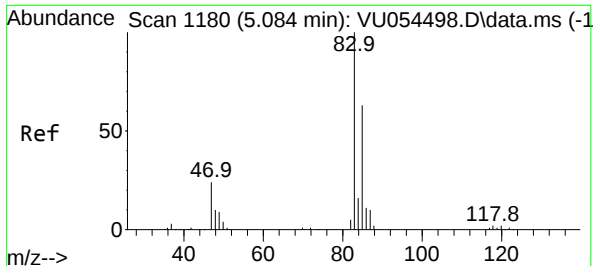
Tgt Ion: 96 Resp: 120877
 Ion Ratio Lower Upper
 96 100
 61 139.5 96.5 179.1
 98 64.1 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.384 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion: 128 Resp: 52636
 Ion Ratio Lower Upper
 128 100
 49 183.8 132.1 245.3
 130 132.6 91.5 169.9
 51 57.1 46.2 69.4





#25

Chloroform

Concen: 5.259 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

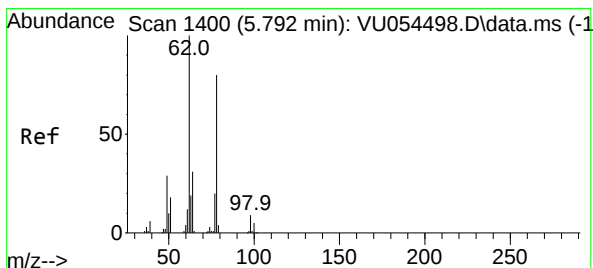
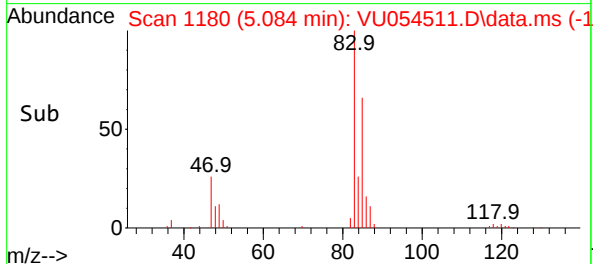
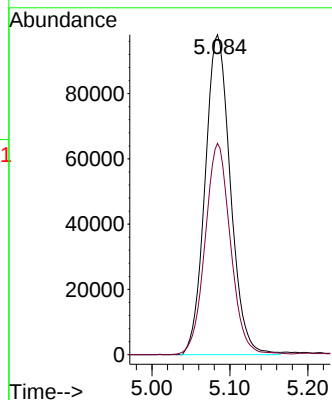
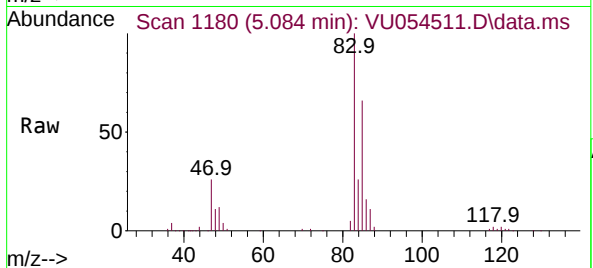
VSTD005183

Tgt Ion: 83 Resp: 221363

Ion Ratio Lower Upper

83 100

85 66.1 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.231 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU054511.D

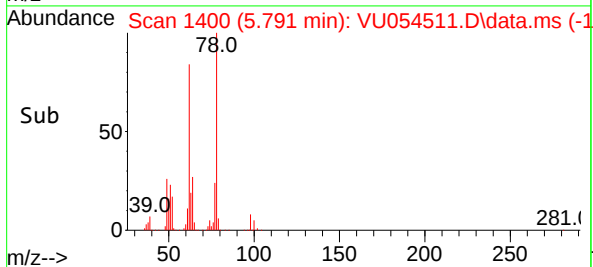
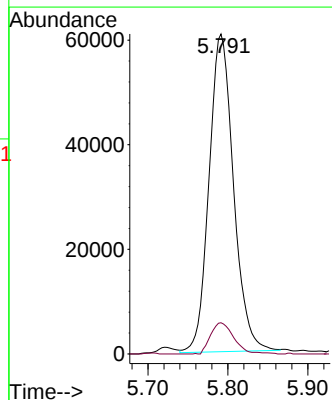
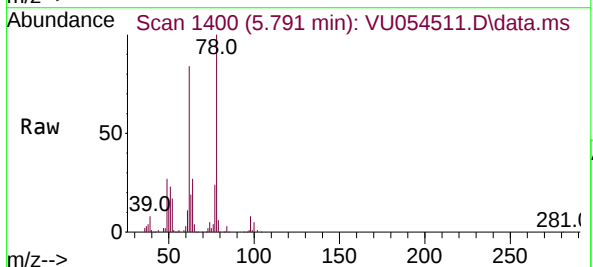
Acq: 13 Jun 2023 15:26

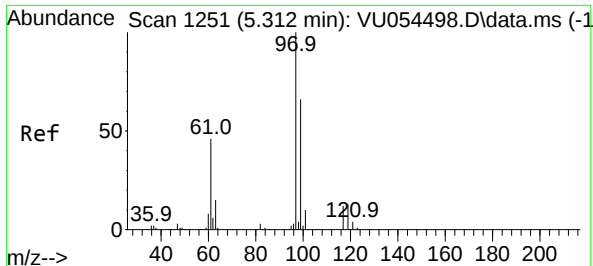
Tgt Ion: 62 Resp: 129072

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.123 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

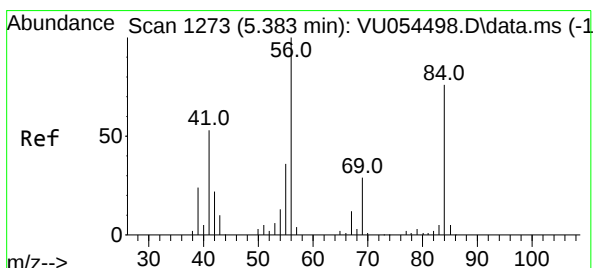
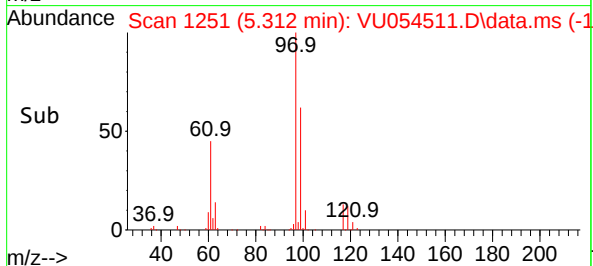
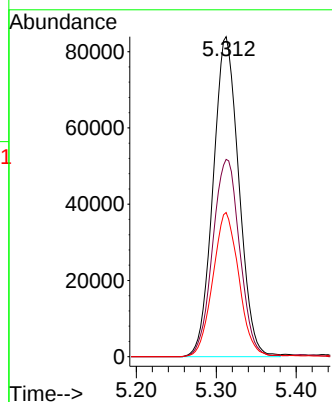
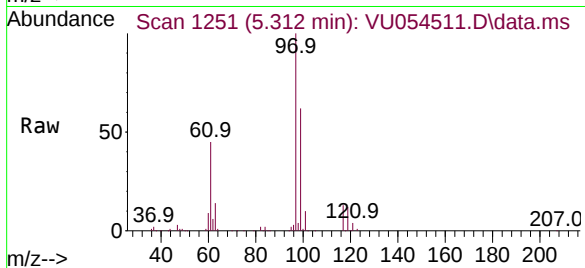
Tgt Ion: 97 Resp: 187787

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 45.5 36.1 54.1



#30

Cyclohexane

Concen: 4.615 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

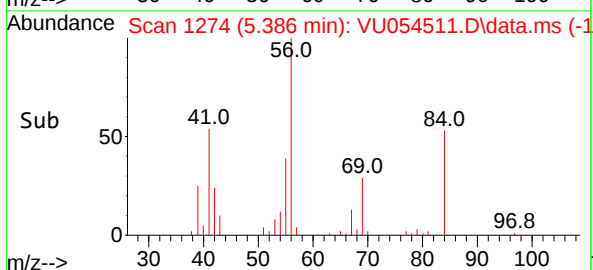
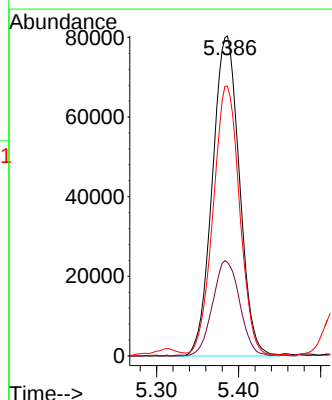
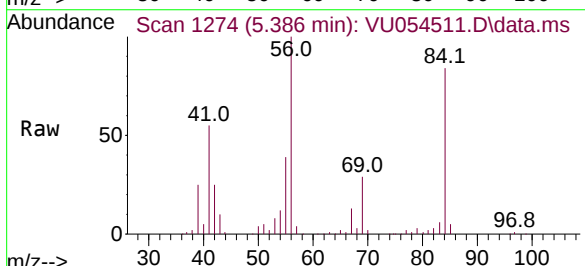
Tgt Ion: 56 Resp: 184265

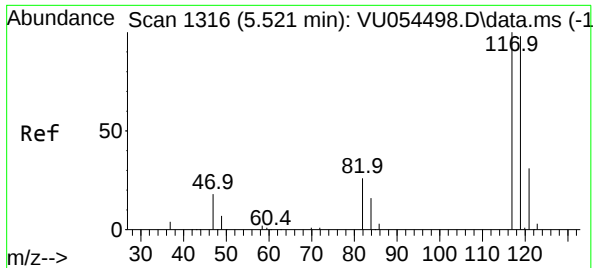
Ion Ratio Lower Upper

56 100

69 29.3 23.9 35.9

84 83.1 63.0 94.6

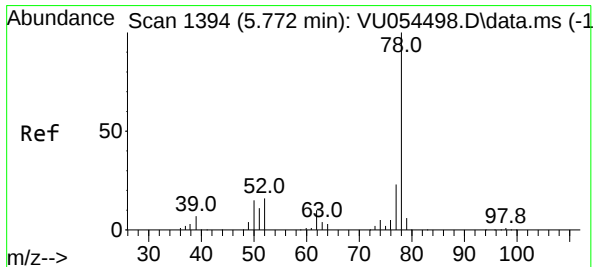
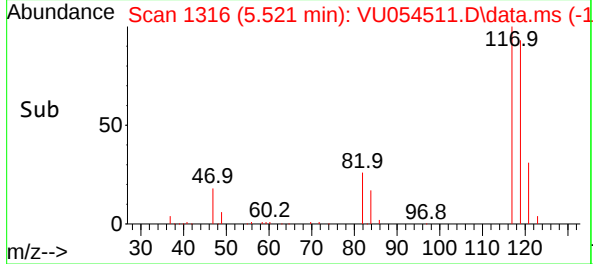
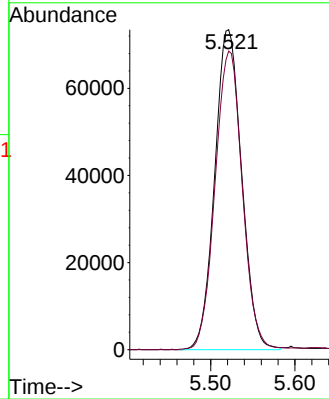
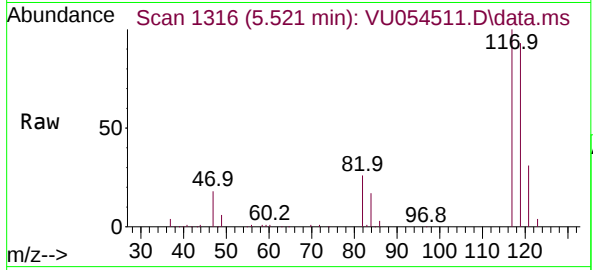




#31
Carbon tetrachloride
Concen: 5.167 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

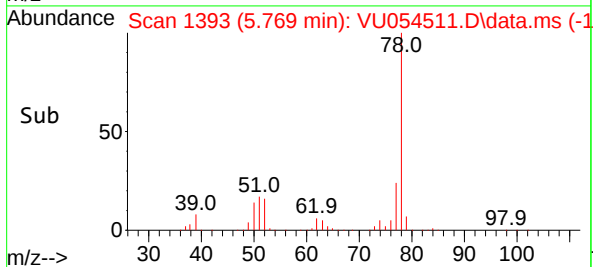
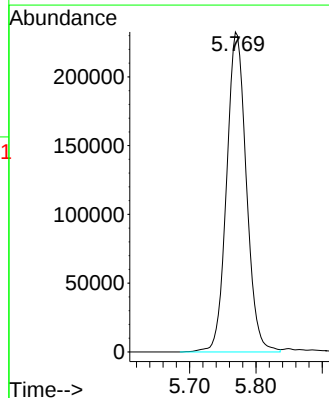
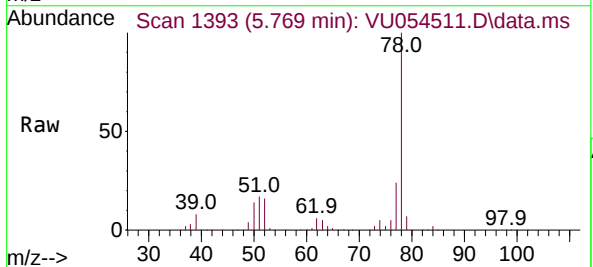
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

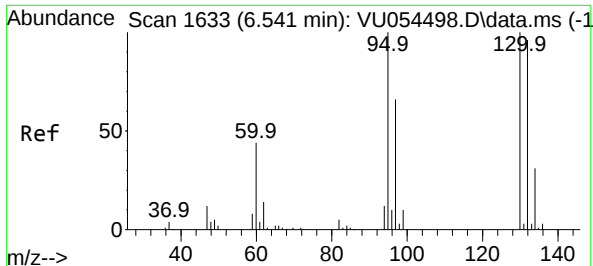
Tgt Ion:117 Resp: 163197
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2



#33
Benzene
Concen: 4.955 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 78 Resp: 481397



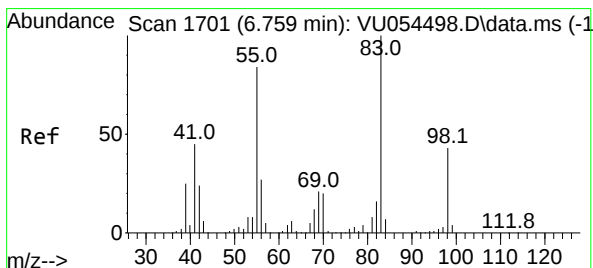
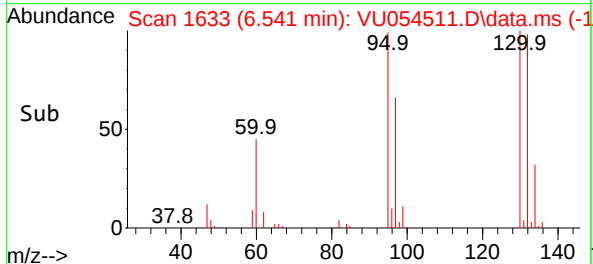
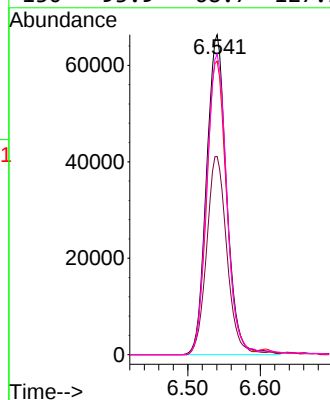
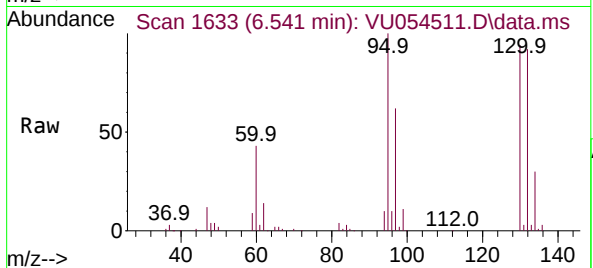


#34
Trichloroethene
Concen: 4.972 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion: 95 Resp: 127737

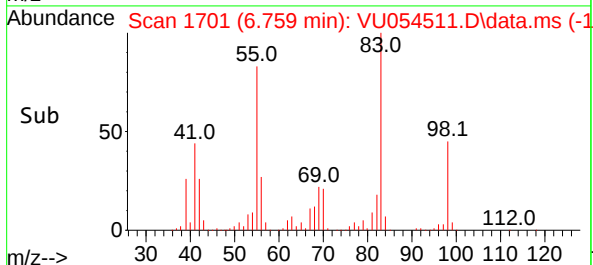
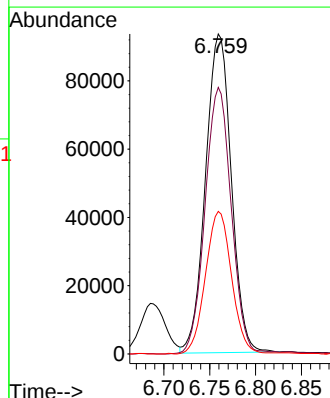
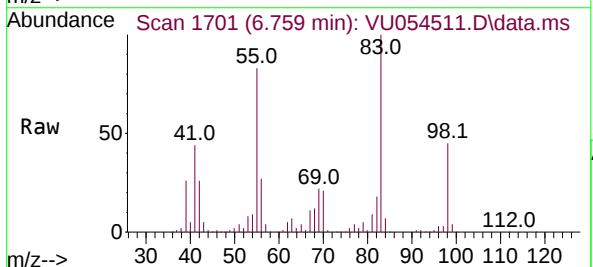
Ion	Ratio	Lower	Upper
95	100		
97	62.0	46.8	87.0
132	91.8	68.4	127.0
130	93.9	68.7	127.5

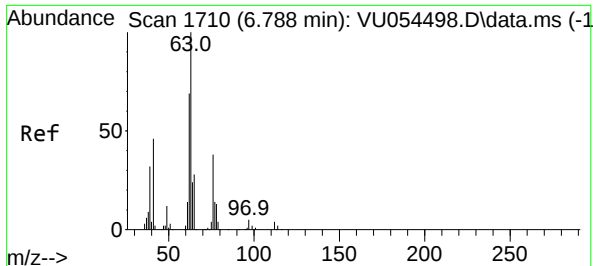


#35
Methylcyclohexane
Concen: 4.706 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 83 Resp: 182740

Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.1	100.7
98	45.2	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.930 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

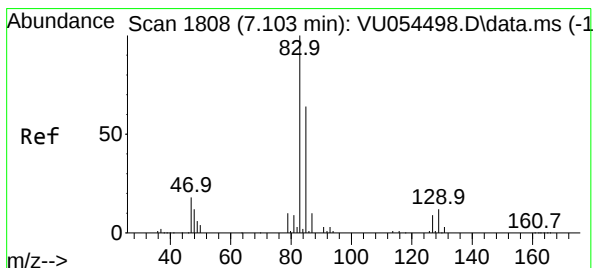
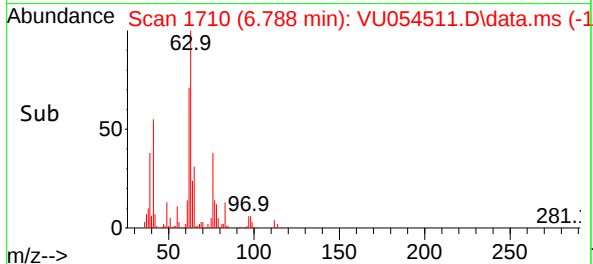
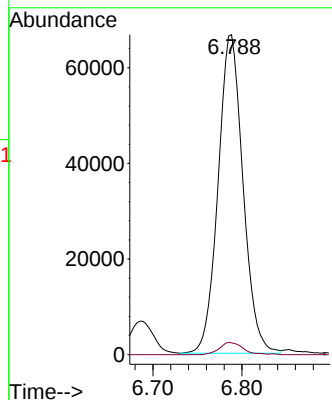
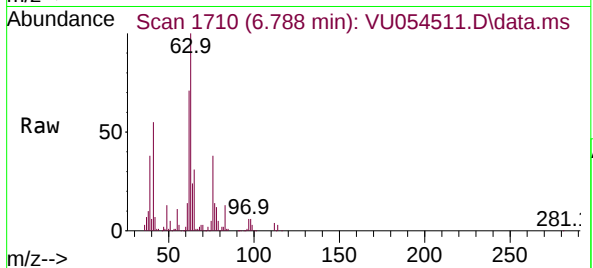
VSTD005183

Tgt Ion: 63 Resp: 129499

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 5.132 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

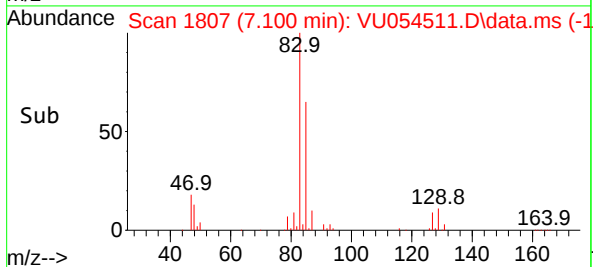
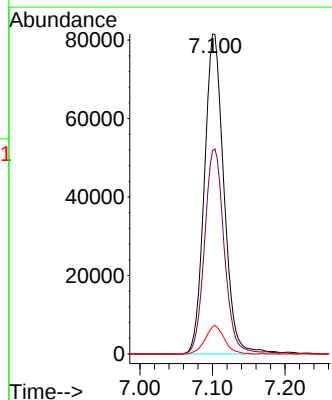
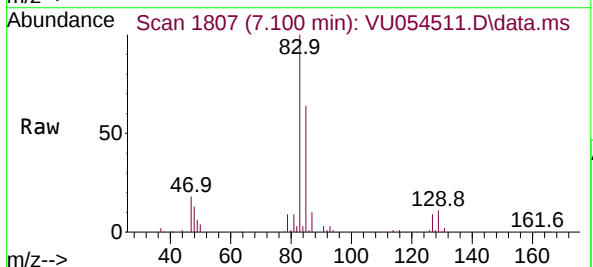
Tgt Ion: 83 Resp: 152604

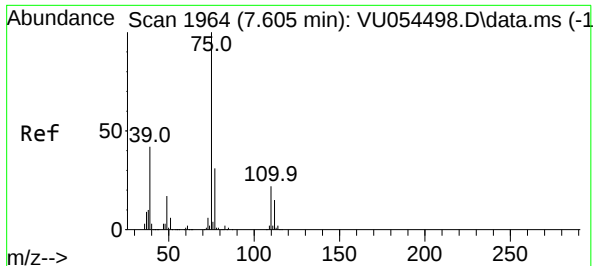
Ion Ratio Lower Upper

83 100

85 63.5 44.1 81.9

127 8.5 6.6 10.0

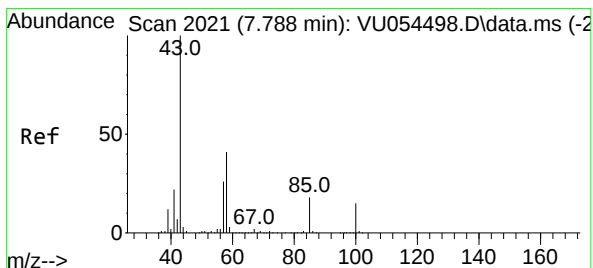
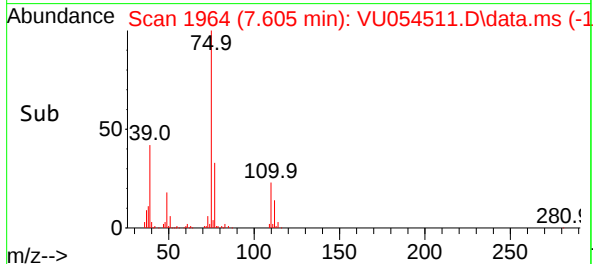
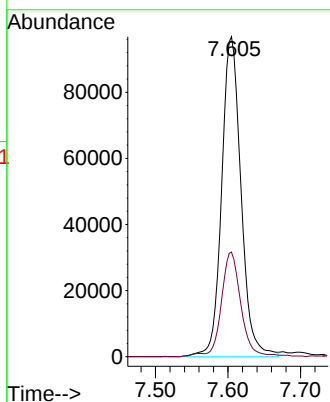
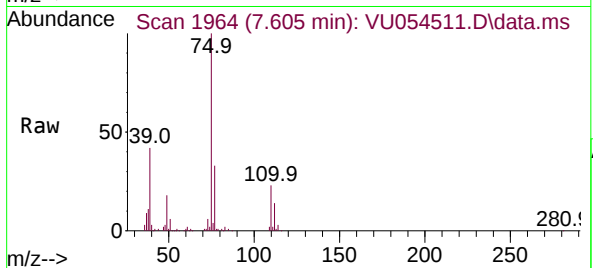




#39
 cis-1,3-Dichloropropene
 Concen: 5.008 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

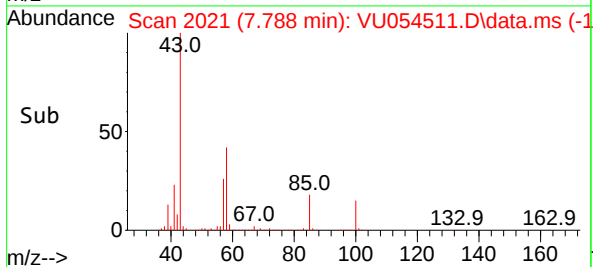
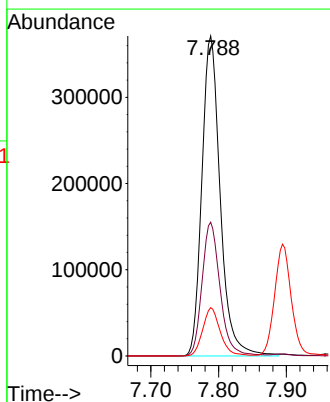
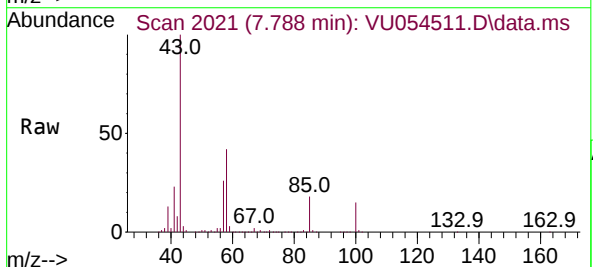
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

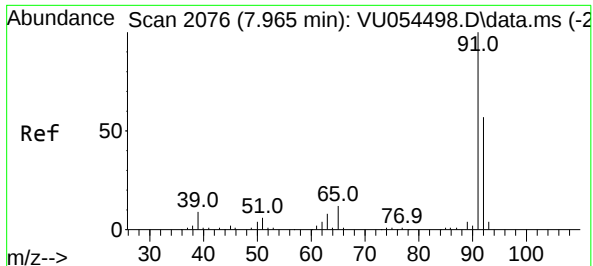
Tgt Ion: 75 Resp: 179615
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.788 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion: 43 Resp: 697951
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.4 48.6
 100 14.5 11.4 17.2





#42

Toluene

Concen: 5.172 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

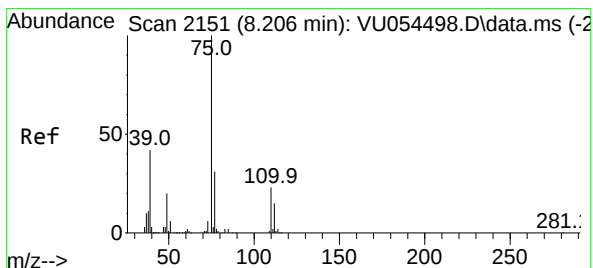
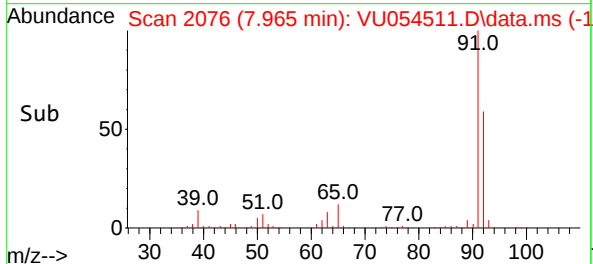
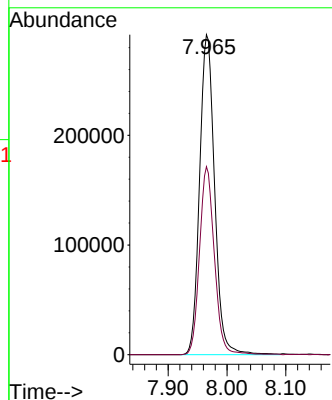
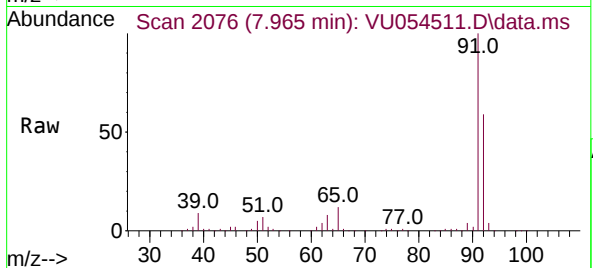
VSTD005183

Tgt Ion: 91 Resp: 517431

Ion Ratio Lower Upper

91 100

92 58.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.092 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054511.D

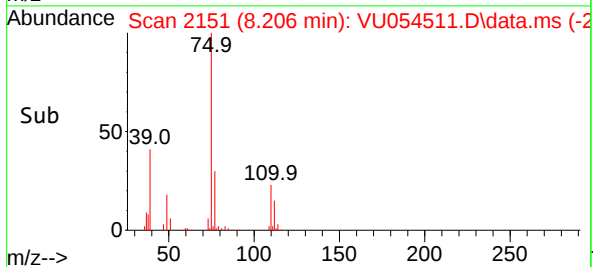
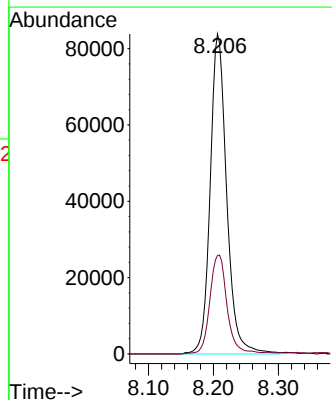
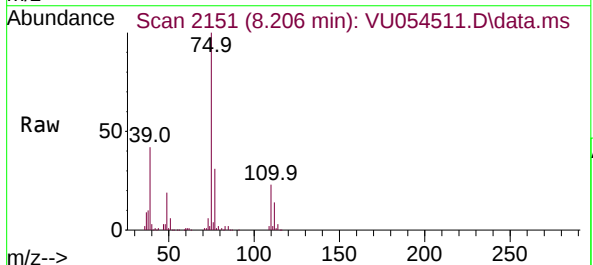
Acq: 13 Jun 2023 15:26

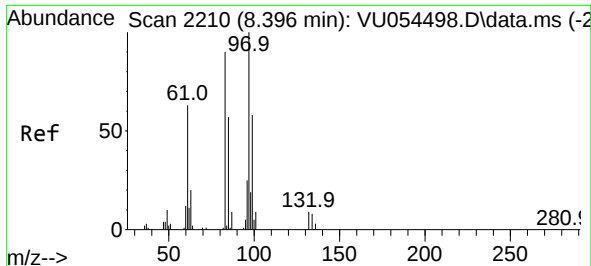
Tgt Ion: 75 Resp: 148212

Ion Ratio Lower Upper

75 100

77 30.8 21.3 39.6

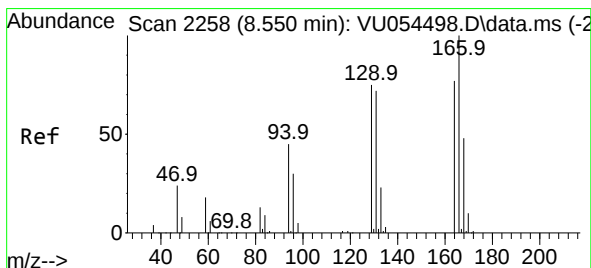
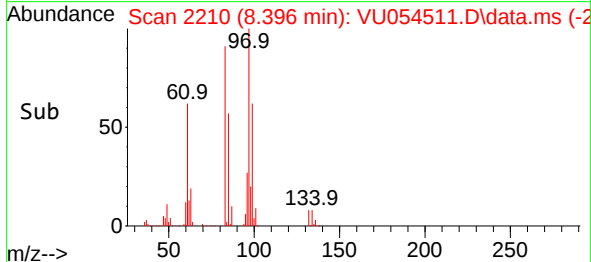
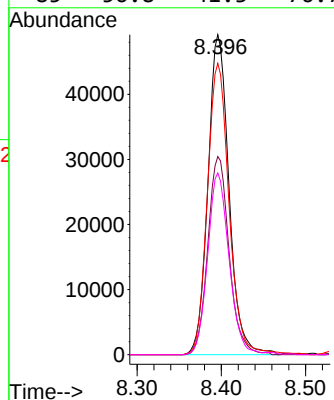
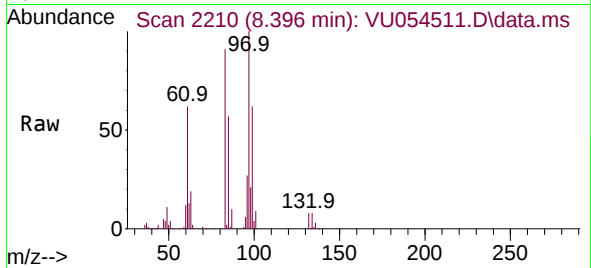




#45
1,1,2-Trichloroethane
Concen: 5.111 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

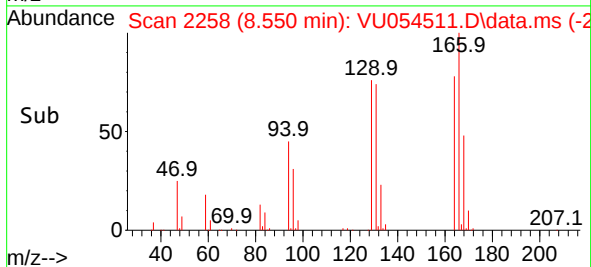
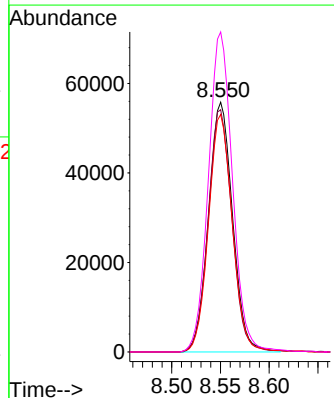
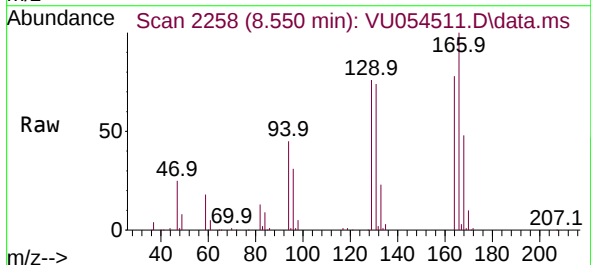
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

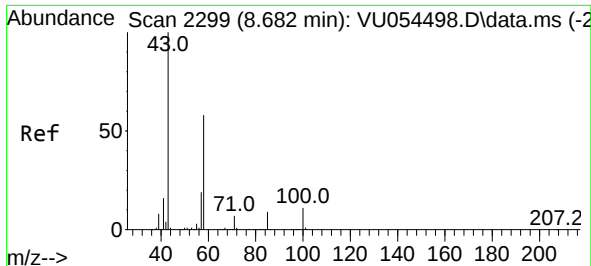
Tgt Ion:	97	Resp:	85404
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.0	80.0
83	91.0	63.8	118.6
85	56.8	41.3	76.7



#47
Tetrachloroethene
Concen: 4.874 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion:	164	Resp:	95844
Ion	Ratio	Lower	Upper
164	100		
129	97.0	67.7	125.7
131	95.1	64.6	120.0
166	128.1	88.1	163.7



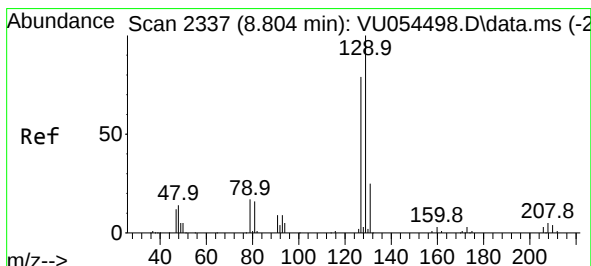
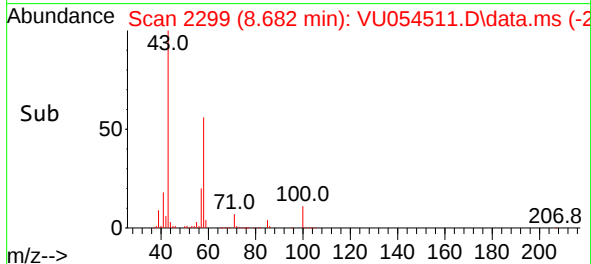
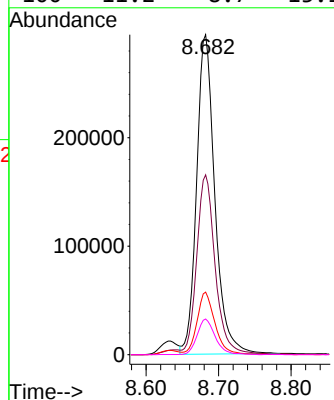
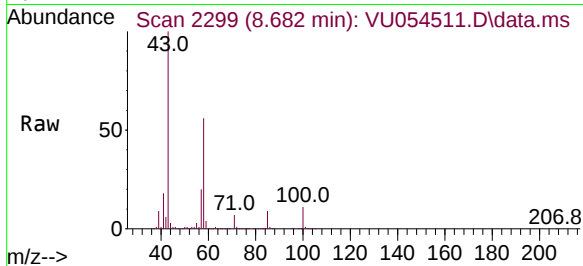


#48
2-Hexanone
Concen: 49.221 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion: 43 Resp: 514129

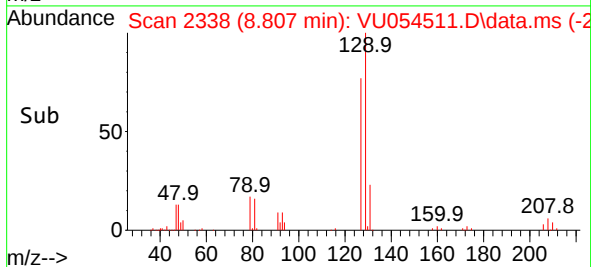
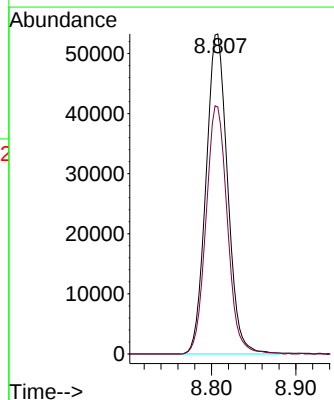
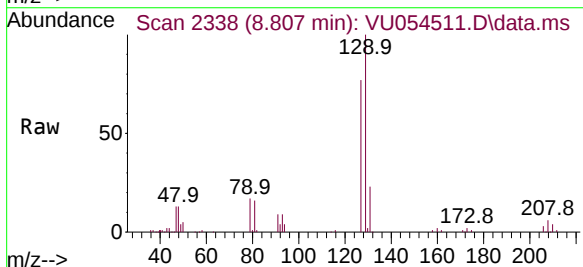
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.2	67.8
57	19.2	15.8	23.6
100	11.2	8.7	13.1

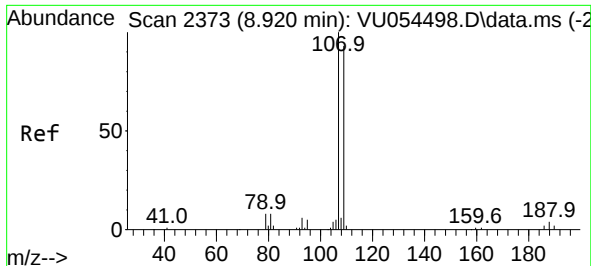


#49
Dibromochloromethane
Concen: 5.403 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 129 Resp: 94813

Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.2	98.8

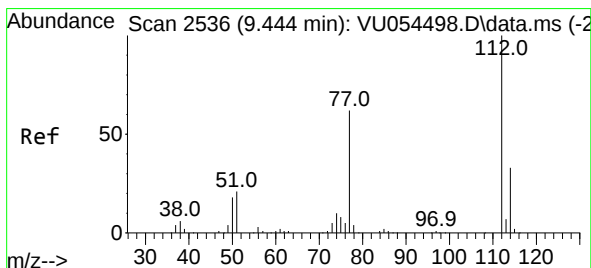
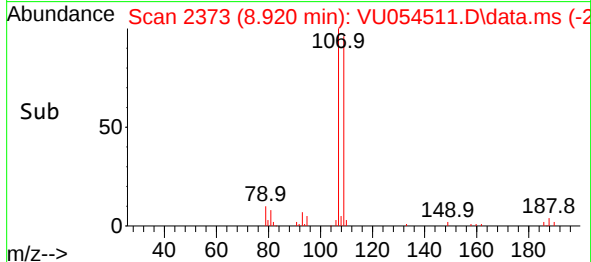
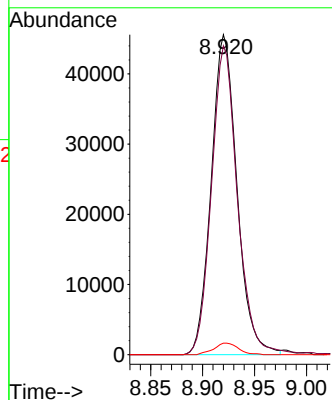
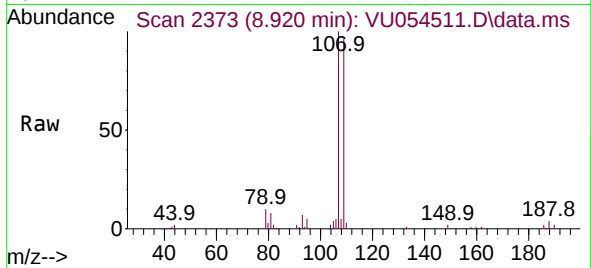




#50
1,2-Dibromoethane
Concen: 5.130 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

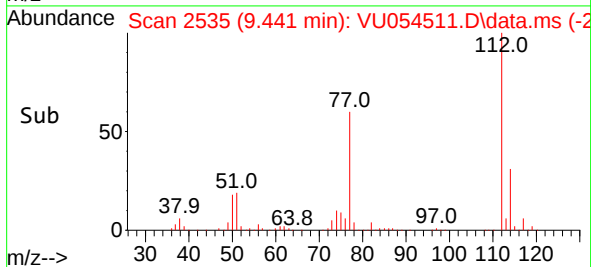
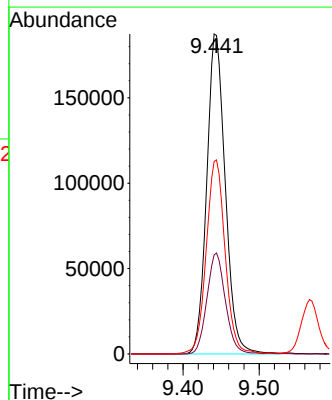
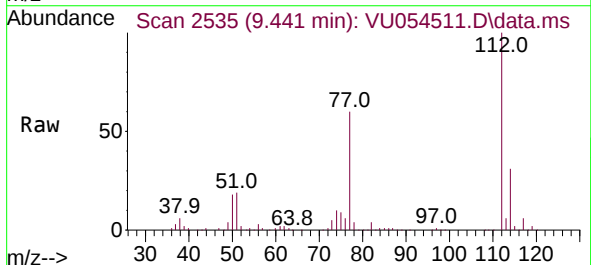
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

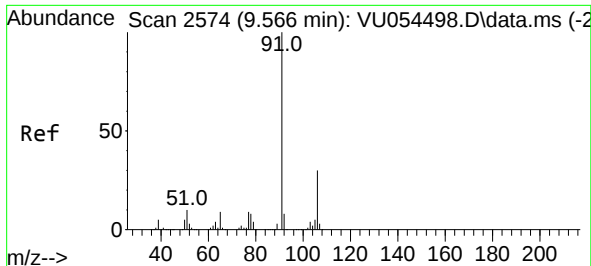
Tgt Ion:107 Resp: 78705
Ion Ratio Lower Upper
107 100
109 96.5 66.6 123.6
188 3.6 3.1 4.7



#51
Chlorobenzene
Concen: 5.086 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion:112 Resp: 317172
Ion Ratio Lower Upper
112 100
114 31.0 22.7 42.1
77 60.2 49.8 74.8

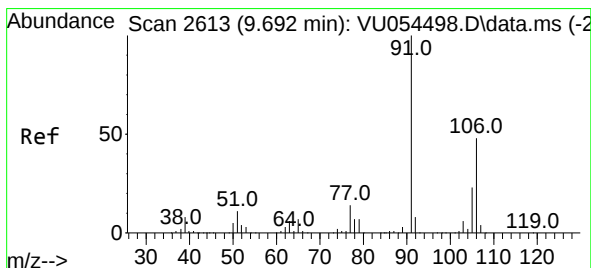
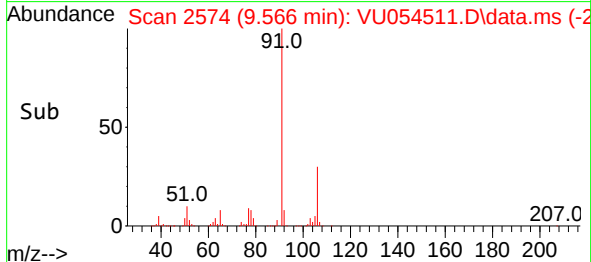
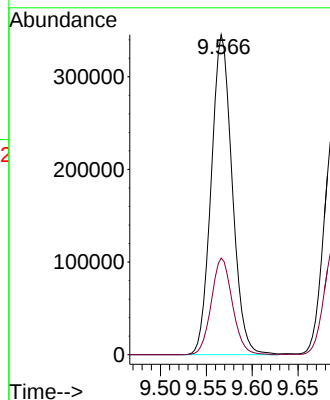
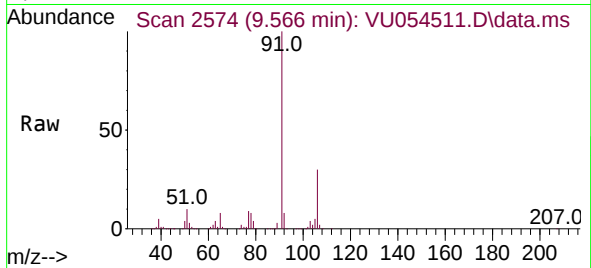




#52
Ethylbenzene
Concen: 5.029 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

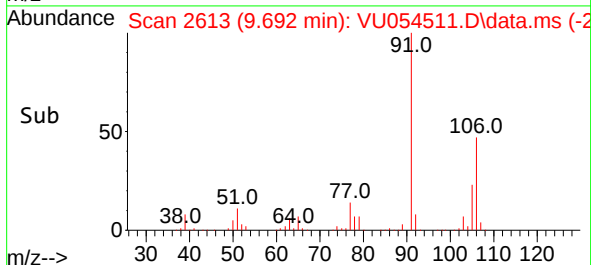
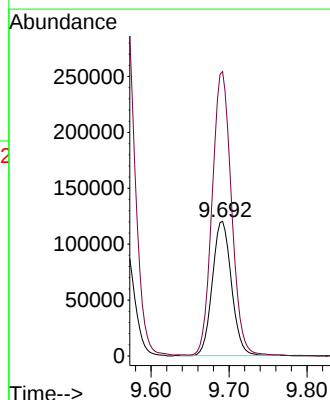
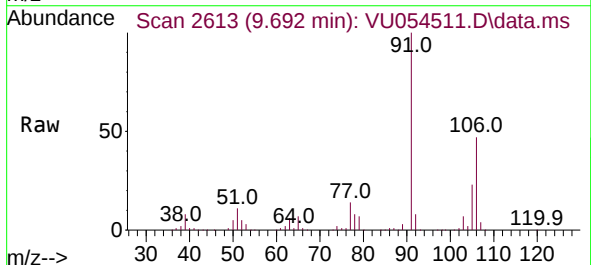
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

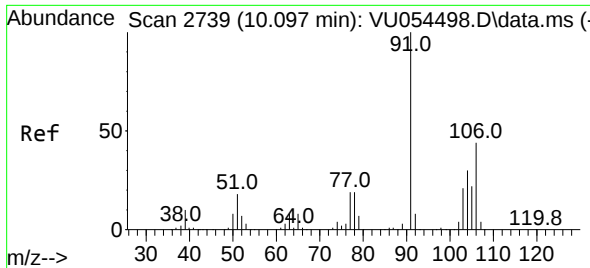
Tgt Ion: 91 Resp: 549507
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.111 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 106 Resp: 205143
Ion Ratio Lower Upper
106 100
91 211.3 147.0 273.0

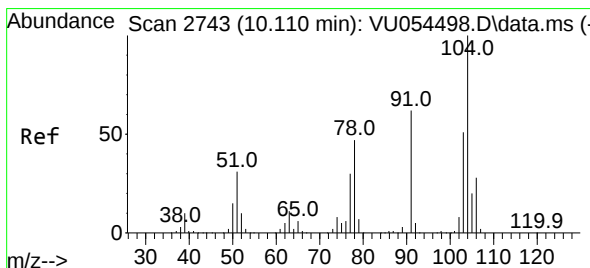
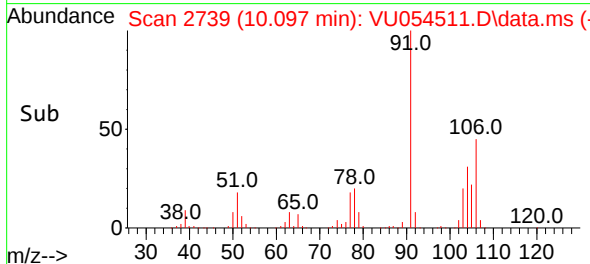
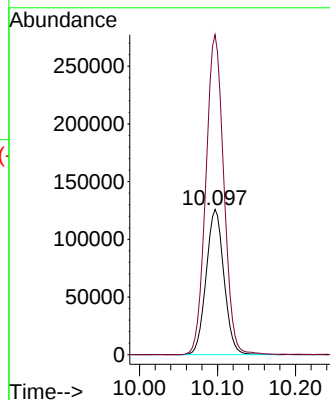
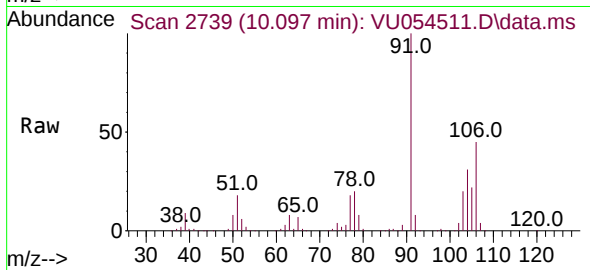




#54
o-Xylene
Concen: 5.168 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

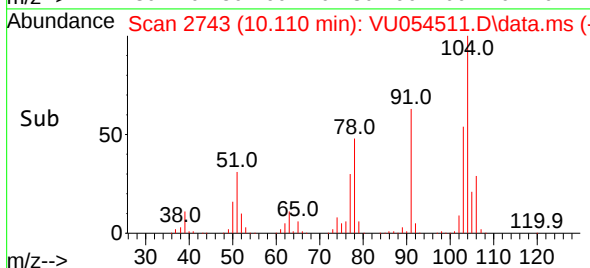
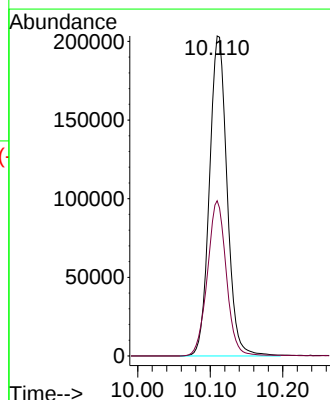
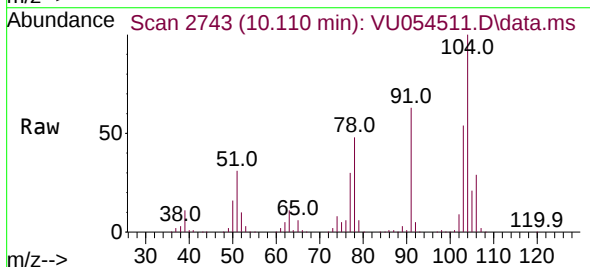
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

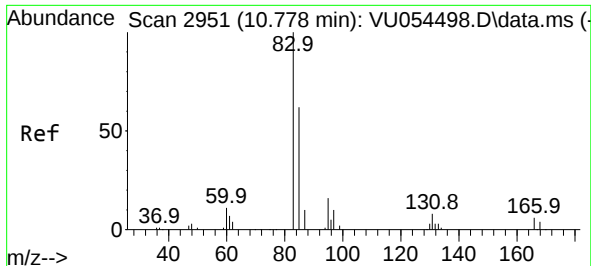
Tgt Ion:106 Resp: 200602
Ion Ratio Lower Upper
106 100
91 220.3 154.5 286.9



#55
Styrene
Concen: 5.289 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion:104 Resp: 344571
Ion Ratio Lower Upper
104 100
78 48.5 33.0 61.4

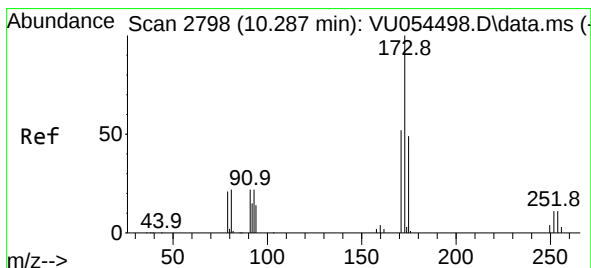
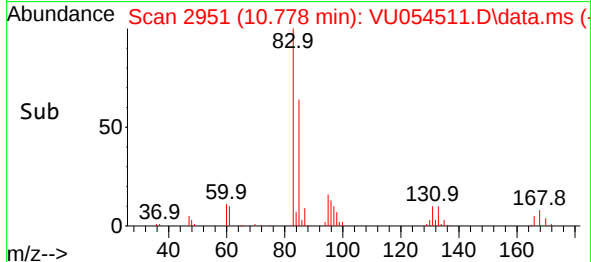
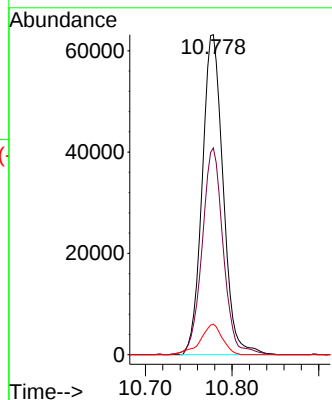
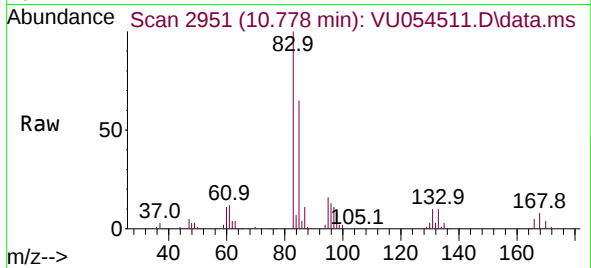




#57
1,1,2,2-Tetrachloroethane
Concen: 4.994 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

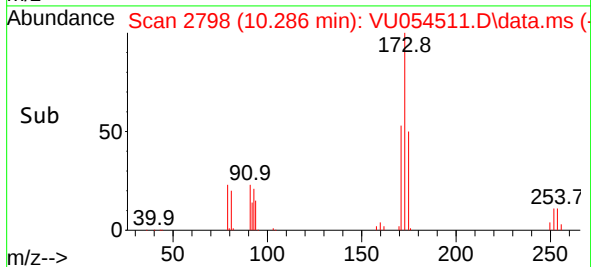
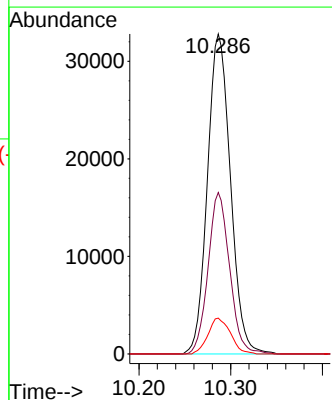
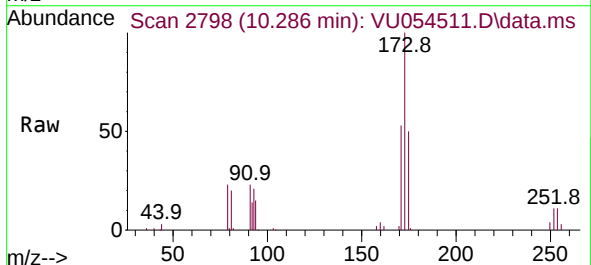
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

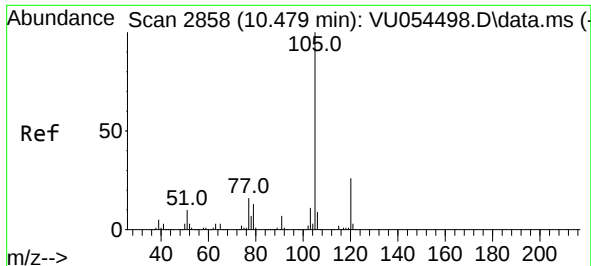
Tgt Ion: 83 Resp: 106013
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.2
131 9.6 7.0 10.6



#59
Bromoform
Concen: 5.409 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion:173 Resp: 57109
Ion Ratio Lower Upper
173 100
175 47.2 39.4 59.0
254 11.0 8.6 12.8

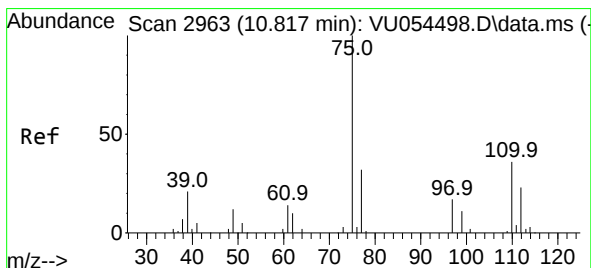
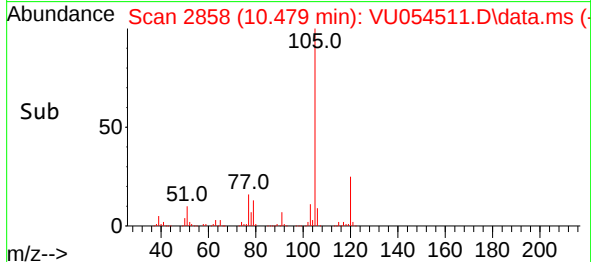
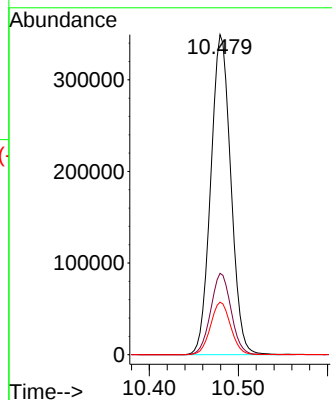
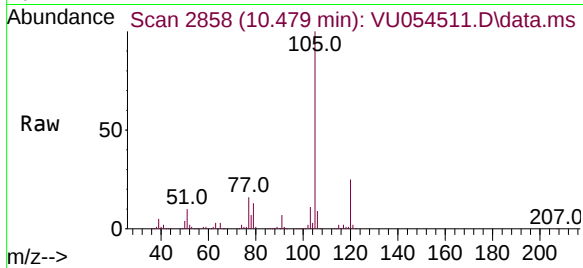




#60
Isopropylbenzene
Concen: 5.071 ug/L
RT: 10.479 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

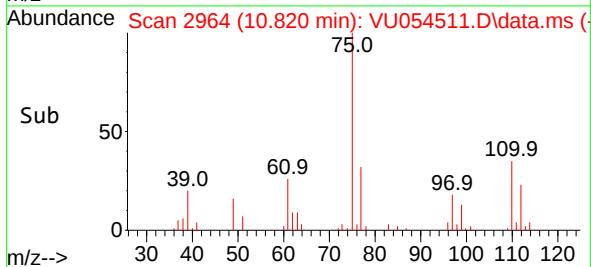
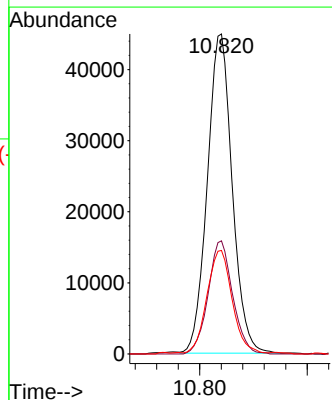
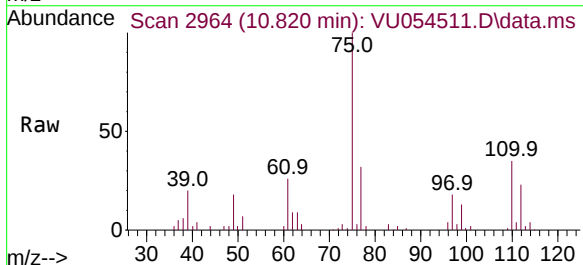
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

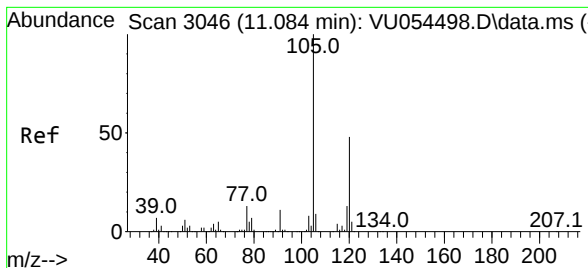
Tgt Ion:105 Resp: 545575
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.855 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion: 75 Resp: 72155
Ion Ratio Lower Upper
75 100
110 34.9 28.0 42.0
77 32.2 25.4 38.2

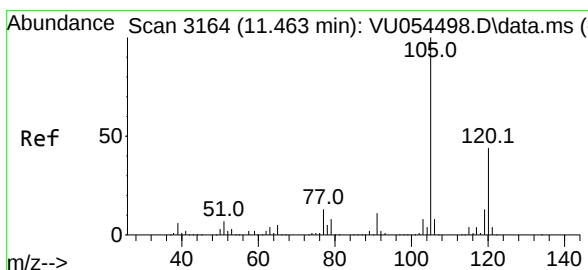
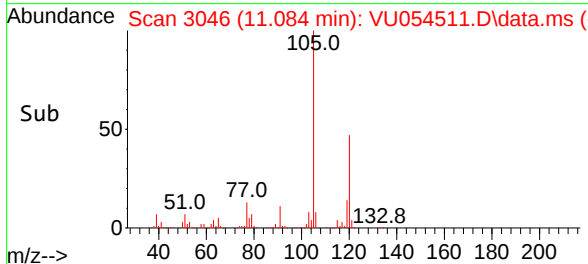
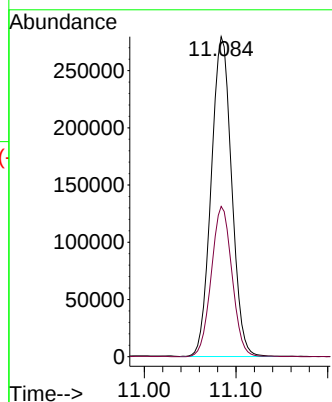
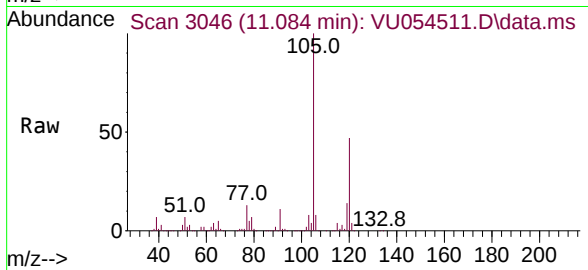




#62
 1,3,5-Trimethylbenzene
 Concen: 4.938 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

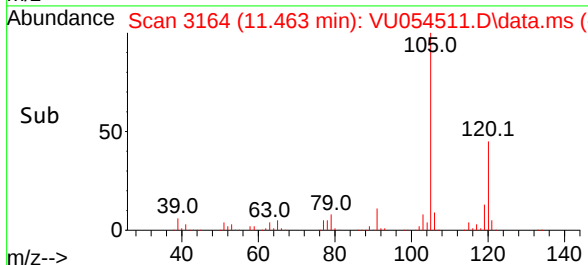
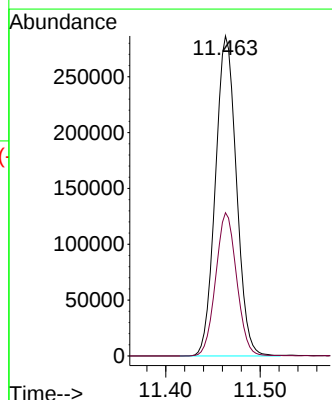
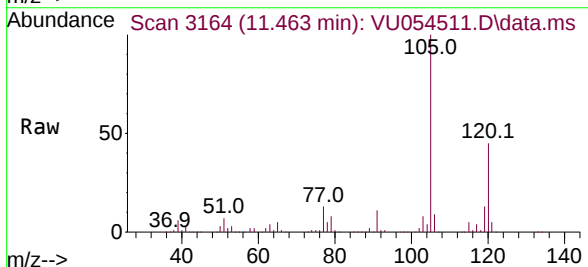
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

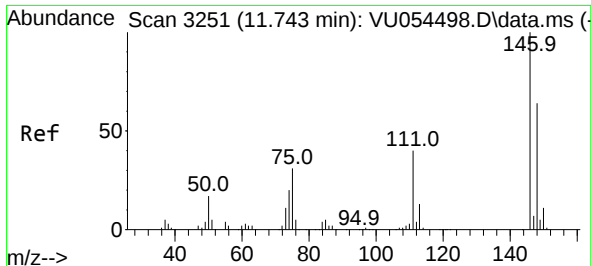
Tgt Ion:105 Resp: 433458
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.964 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU054511.D
 Acq: 13 Jun 2023 15:26

Tgt Ion:105 Resp: 442549
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.4 53.0

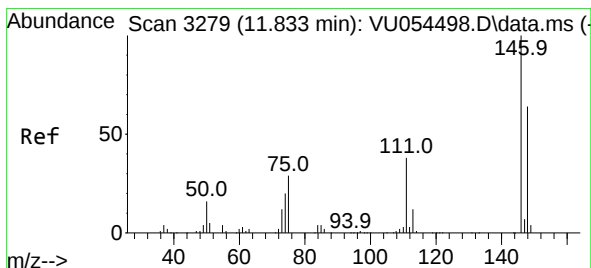
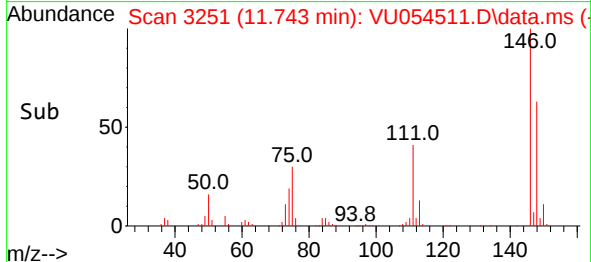
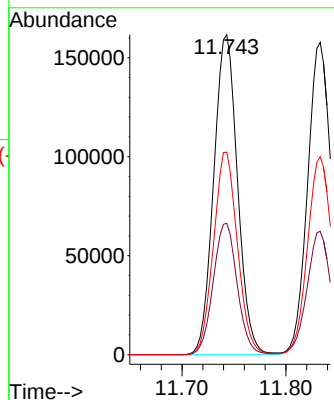
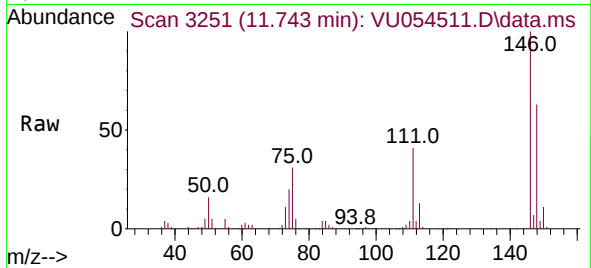




#64
1,3-Dichlorobenzene
Concen: 5.124 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

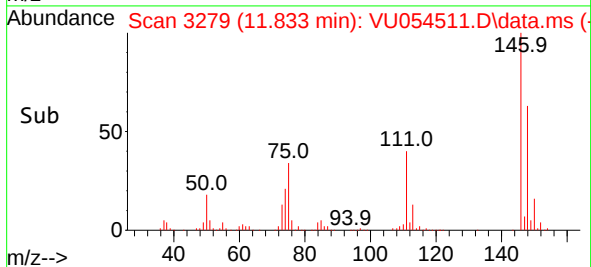
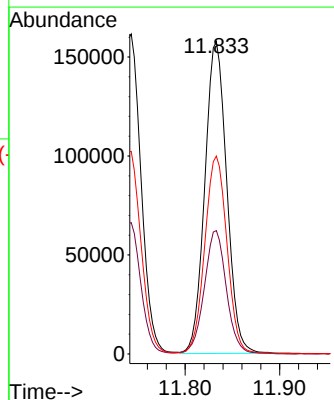
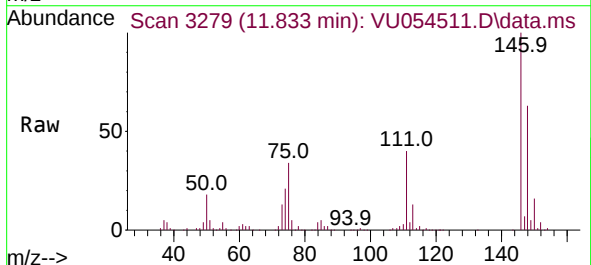
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

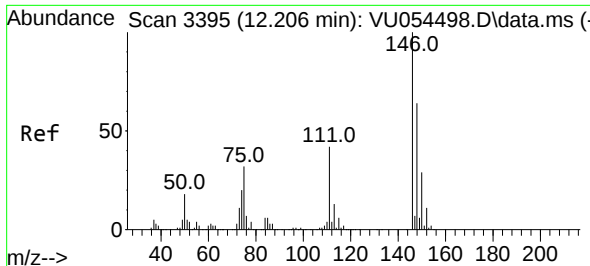
Tgt Ion:146 Resp: 257652
Ion Ratio Lower Upper
146 100
111 41.1 28.9 53.7
148 63.3 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.031 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054511.D
Acq: 13 Jun 2023 15:26

Tgt Ion:146 Resp: 253892
Ion Ratio Lower Upper
146 100
111 39.5 28.0 52.0
148 63.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.088 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

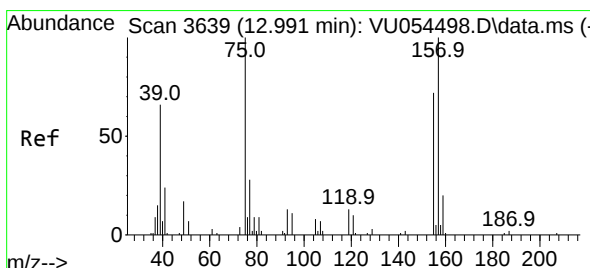
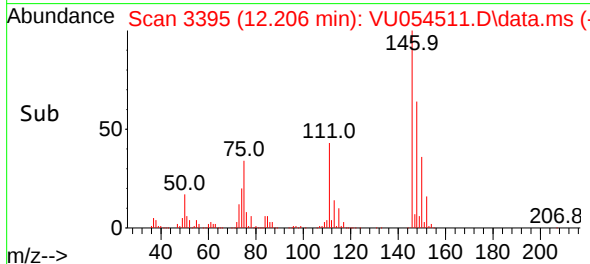
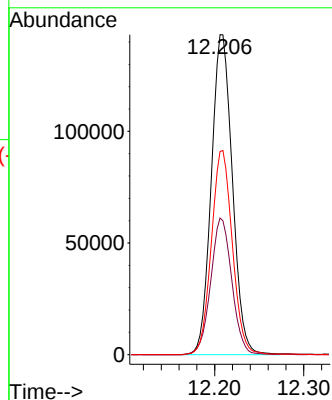
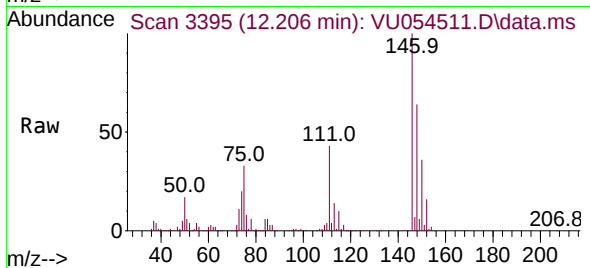
Tgt Ion:146 Resp: 235326

Ion Ratio Lower Upper

146 100

111 42.7 34.5 51.7

148 63.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.823 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

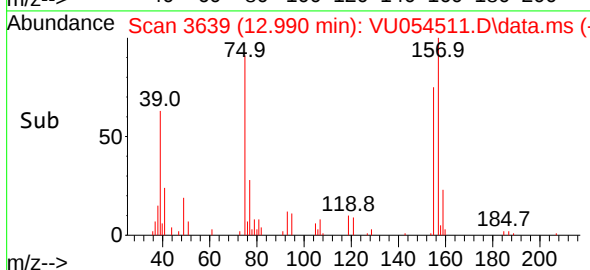
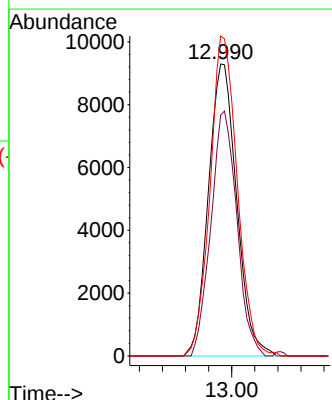
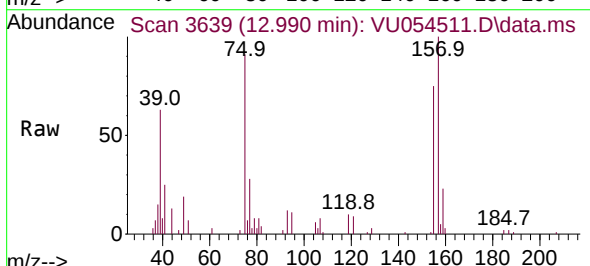
Tgt Ion: 75 Resp: 15751

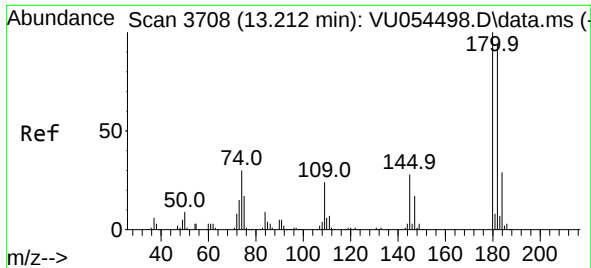
Ion Ratio Lower Upper

75 100

155 82.5 65.7 98.5

157 109.6 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.963 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

Tgt Ion:180 Resp: 188320

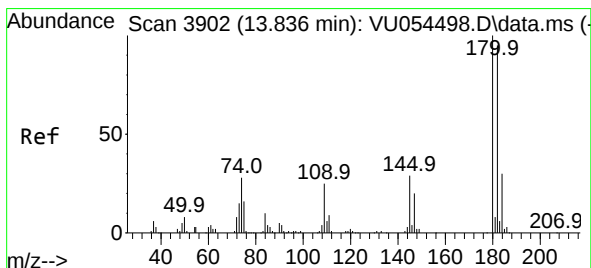
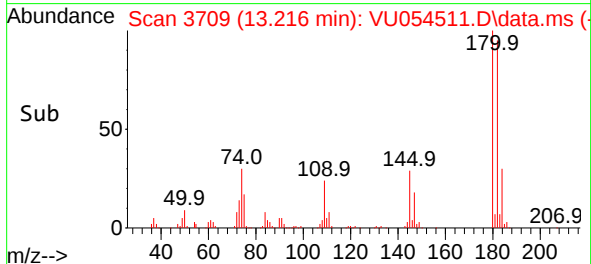
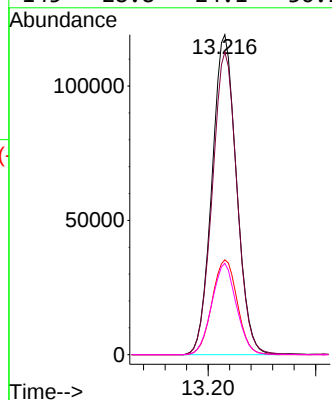
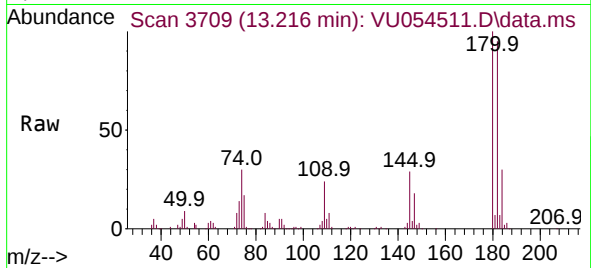
Ion Ratio Lower Upper

180 100

182 95.5 75.0 112.6

184 30.6 24.1 36.1

145 28.8 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.731 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

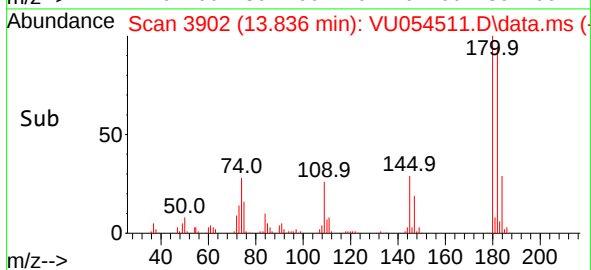
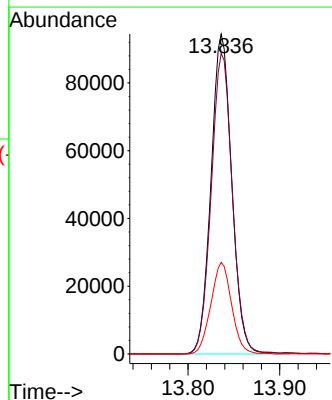
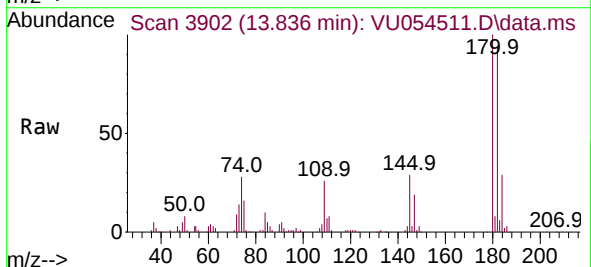
Tgt Ion:180 Resp: 148434

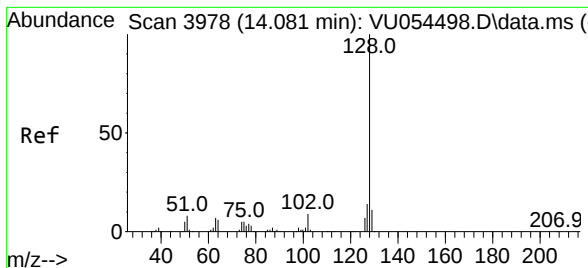
Ion Ratio Lower Upper

180 100

182 95.6 76.6 114.8

145 28.7 24.0 36.0





#71

Naphthalene

Concen: 4.213 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

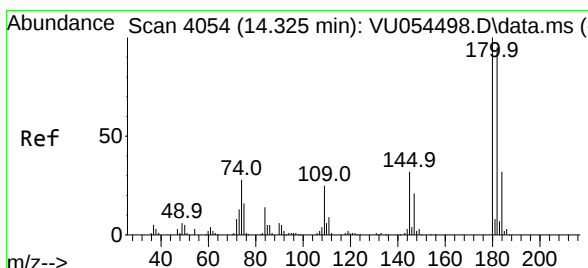
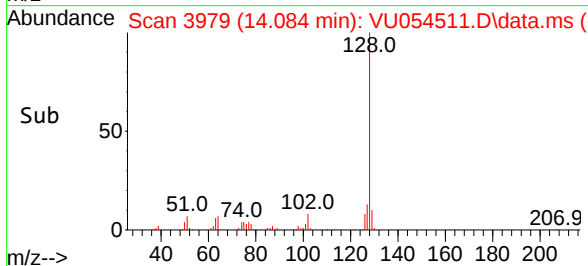
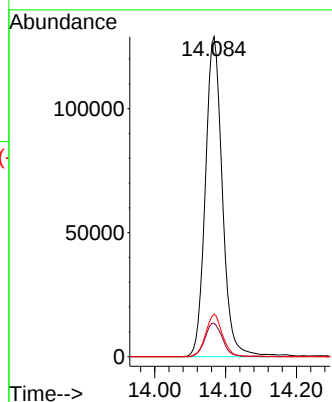
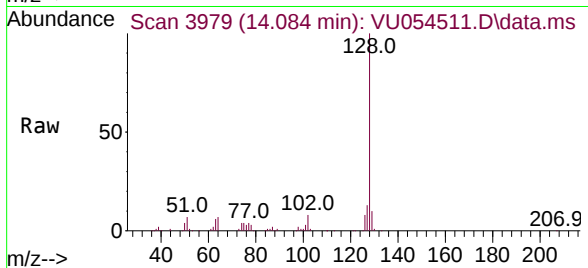
Tgt Ion:128 Resp: 214949

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.1 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.878 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054511.D

Acq: 13 Jun 2023 15:26

Tgt Ion:180 Resp: 131469

Ion Ratio Lower Upper

180 100

182 92.9 75.4 113.2

145 30.5 26.0 39.0

