

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061223\
 Data File : VU054496.D
 Acq On : 12 Jun 2023 19:13
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

Quant Time: Jun 13 02:32:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 13 02:28:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	318342	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	304496	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	162814	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	54792	2.704	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.000%
7) Chloroethane-d5	1.911	69	61867	3.262	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.200%
11) 1,1-Dichloroethene-d2	2.563	65	26259	2.902	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.000%#
20) 2-Butanone-d5	4.637	46	278805	48.946	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.900%
24) Chloroform-d	5.058	84	165667	3.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.698	65	80770	3.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
32) Benzene-d6	5.724	84	301571	3.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.200%
36) 1,2-Dichloropropane-d6	6.688	67	105550	3.734	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.600%
41) Toluene-d8	7.894	98	265639	3.536	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
43) trans-1,3-Dichloroprop...	8.177	79	36038	3.666	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.630	63	183827	44.574	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91160	4.325	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	107469	3.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	143238	4.815	ug/L	100
3) Chloromethane	1.518	50	165348	4.839	ug/L	99
5) Vinyl chloride	1.602	62	169663	4.837	ug/L	98
6) Bromomethane	1.856	94	96256	4.992	ug/L	99
8) Chloroethane	1.933	64	105910	5.038	ug/L	100
9) Trichlorofluoromethane	2.136	101	215688	5.002	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	124316	4.928	ug/L	97
12) 1,1-Dichloroethene	2.576	96	116558	5.048	ug/L	97
13) Acetone	2.650	43	197323	36.740	ug/L	98
14) Carbon disulfide	2.792	76	331622	4.843	ug/L	100
15) Methyl Acetate	2.962	43	51866	5.211	ug/L	94
16) Methylene chloride	3.042	84	148313	4.568	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	283866	4.981	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	116772	4.898	ug/L	98
19) 1,1-Dichloroethane	3.865	63	250897	5.086	ug/L	99
21) 2-Butanone	4.717	43	330833	47.464	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	135581	4.994	ug/L	98
23) Bromochloromethane	4.971	128	58830	5.208	ug/L	93
25) Chloroform	5.084	83	246475	5.068	ug/L	100

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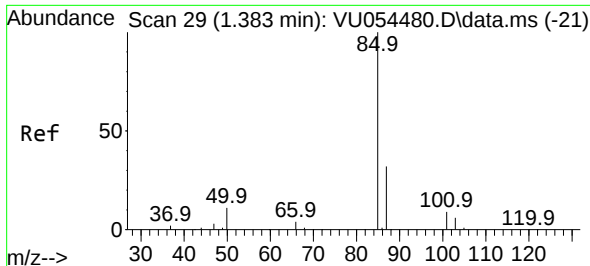
Quant Time: Jun 13 02:32:27 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	143135	5.021	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	208123	5.041	ug/L	100
30) Cyclohexane	5.386	56	207618	4.617	ug/L	98
31) Carbon tetrachloride	5.521	117	179029	5.032	ug/L	100
33) Benzene	5.769	78	530439	4.847	ug/L	100
34) Trichloroethene	6.537	95	142698	4.931	ug/L	96
35) Methylcyclohexane	6.759	83	199595	4.563	ug/L	100
37) 1,2-Dichloropropane	6.788	63	145983	4.934	ug/L	99
38) Bromodichloromethane	7.100	83	168953	5.044	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	195592	4.842	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	794395	50.309	ug/L	100
42) Toluene	7.965	91	571230	5.069	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	163784	4.996	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	97575	5.184	ug/L	100
47) Tetrachloroethene	8.550	164	104835	4.733	ug/L	99
48) 2-Hexanone	8.682	43	576056	48.962	ug/L	99
49) Dibromochloromethane	8.807	129	104202	5.272	ug/L	98
50) 1,2-Dibromoethane	8.920	107	86783	5.022	ug/L	96
51) Chlorobenzene	9.444	112	351858	5.009	ug/L	98
52) Ethylbenzene	9.566	91	607258	4.934	ug/L	100
53) m,p-Xylene	9.692	106	227063	5.022	ug/L	98
54) o-Xylene	10.097	106	223607	5.114	ug/L	99
55) Styrene	10.110	104	386495	5.266	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	119271	4.988	ug/L	100
59) Bromoform	10.286	173	60627	5.187	ug/L	100
60) Isopropylbenzene	10.479	105	602208	5.056	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	81219	4.936	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	483141	4.972	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	495984	5.025	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	282153	5.068	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	281074	5.030	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	258591	5.050	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	18560	5.133	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	205360	4.889	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	164438	4.734	ug/L	98
71) Naphthalene	14.084	128	243409	4.310	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	142673	4.781	ug/L	99

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

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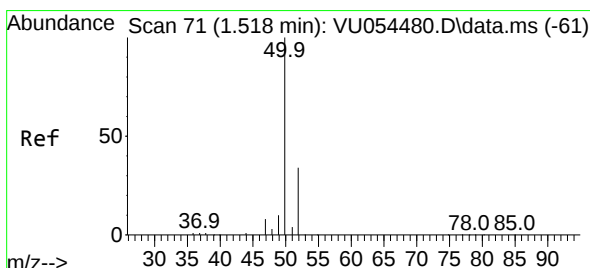
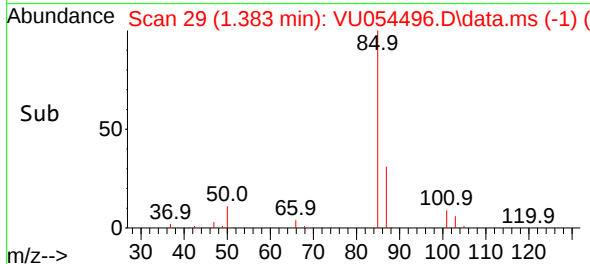
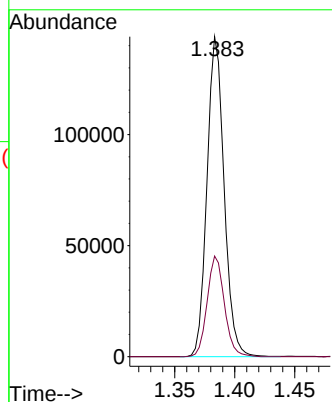
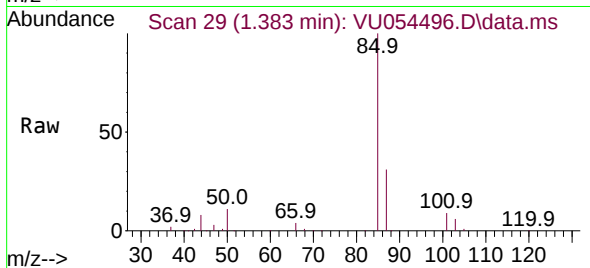




#2
 Dichlorodifluoromethane
 Concen: 4.815 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

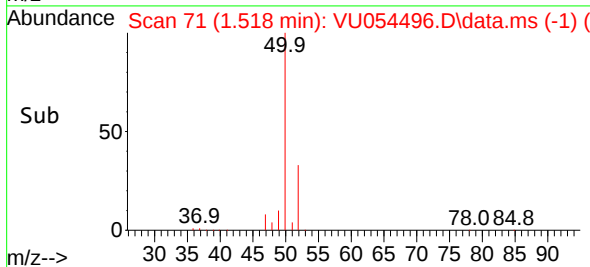
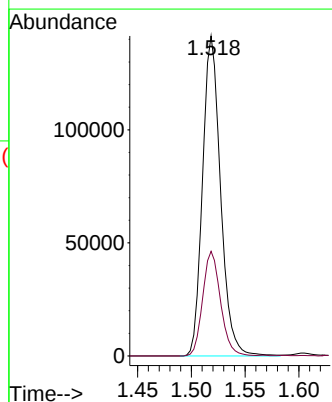
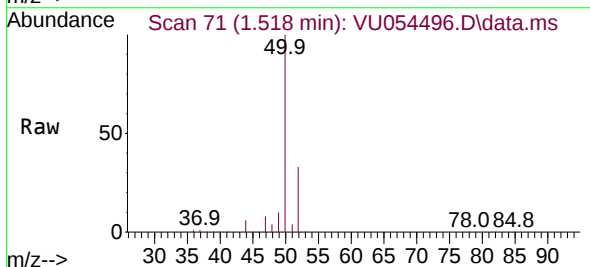
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

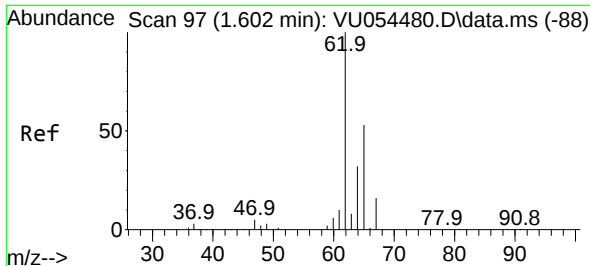
Tgt Ion: 85 Resp: 143238
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.4 38.2



#3
 Chloromethane
 Concen: 4.839 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

Tgt Ion: 50 Resp: 165348
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.4 43.4

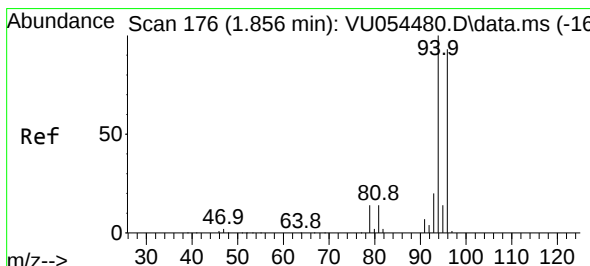
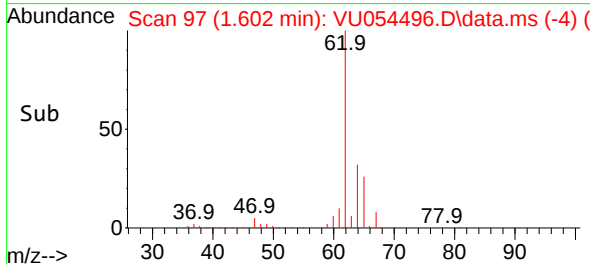
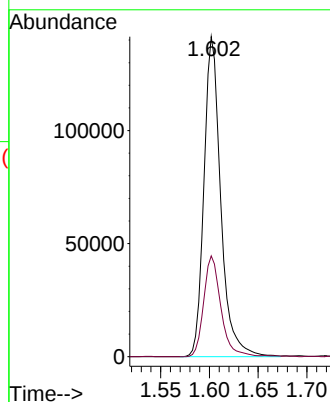
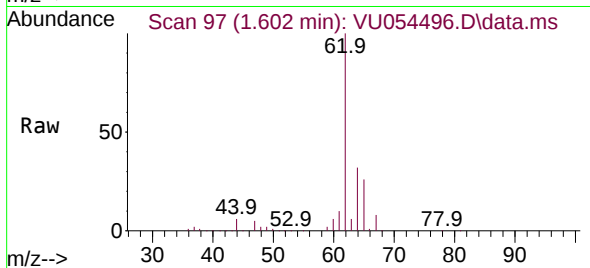




#5
 Vinyl chloride
 Concen: 4.837 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

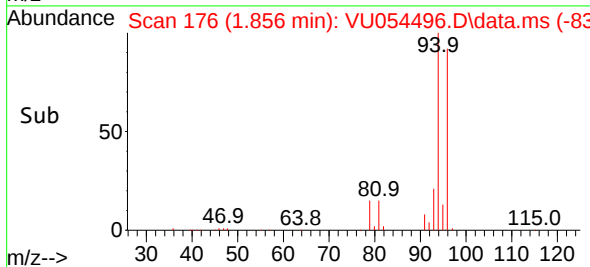
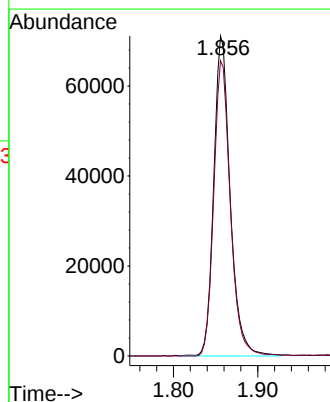
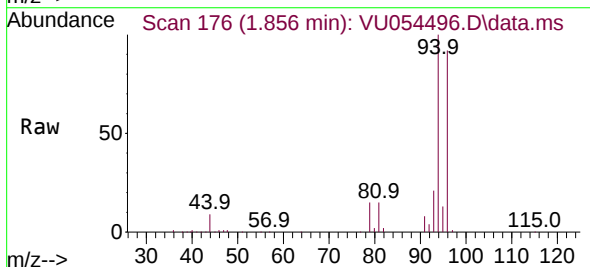
Instrument :
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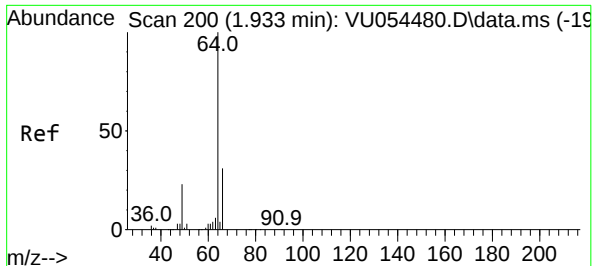
Tgt Ion: 62 Resp: 169663
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.0 42.6



#6
 Bromomethane
 Concen: 4.992 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

Tgt Ion: 94 Resp: 96256
 Ion Ratio Lower Upper
 94 100
 96 92.2 63.6 118.2





#8

Chloroethane

Concen: 5.038 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

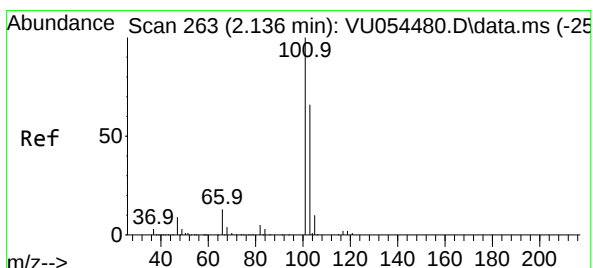
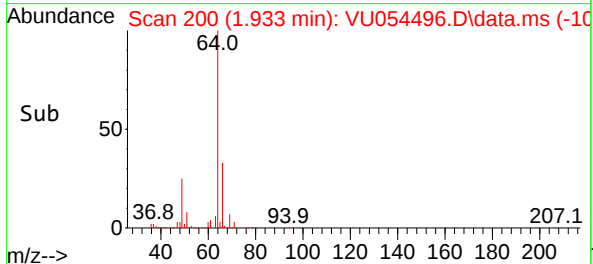
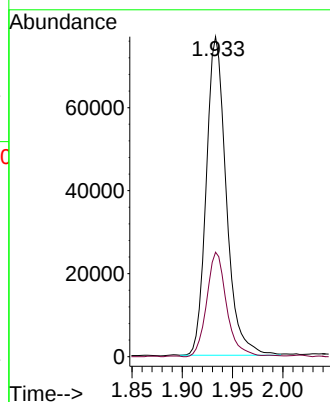
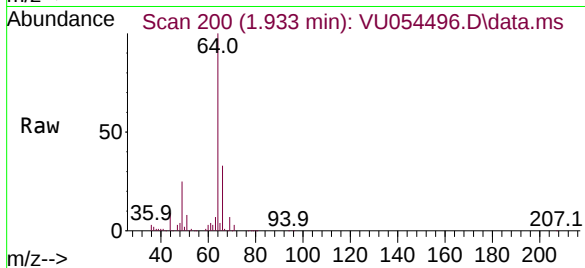
VSTD005181

Tgt Ion: 64 Resp: 105910

Ion Ratio Lower Upper

64 100

66 32.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.002 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU054496.D

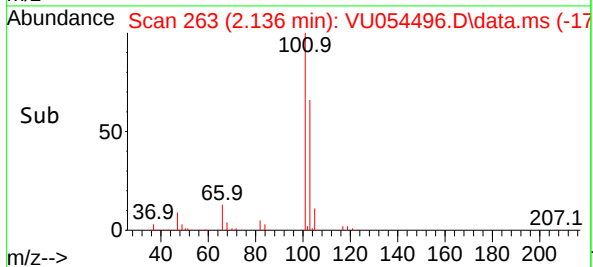
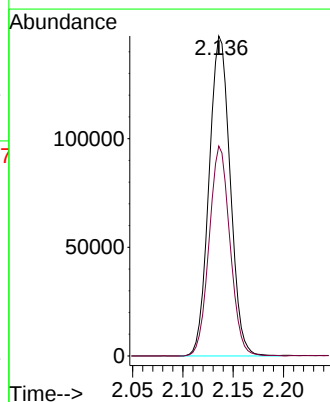
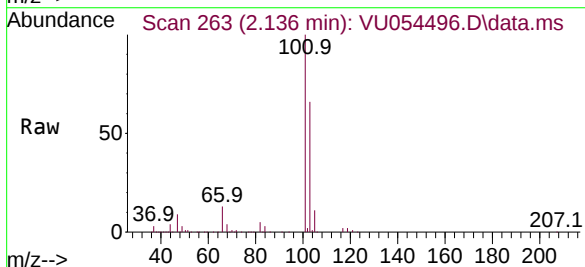
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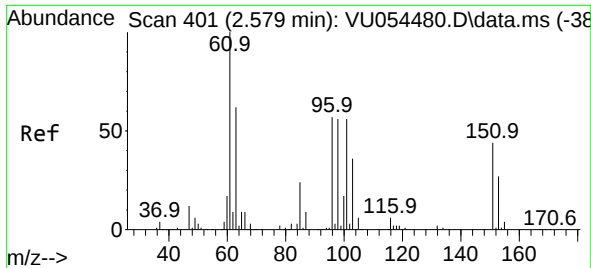
Tgt Ion: 101 Resp: 215688

Ion Ratio Lower Upper

101 100

103 64.4 50.6 75.8

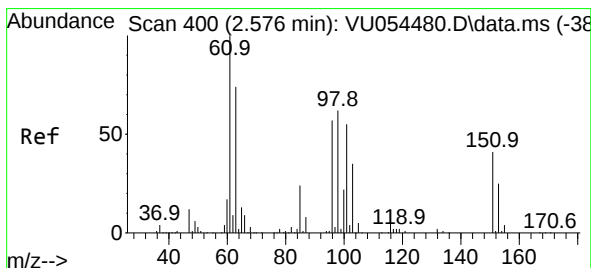
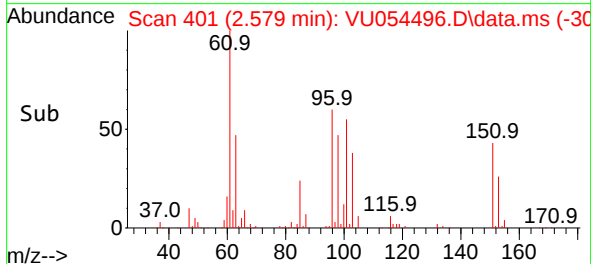
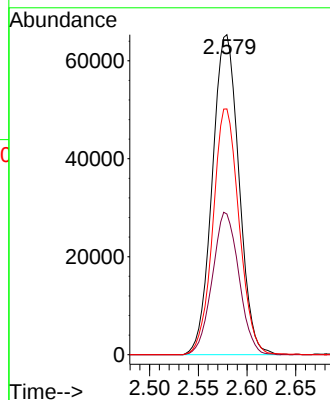
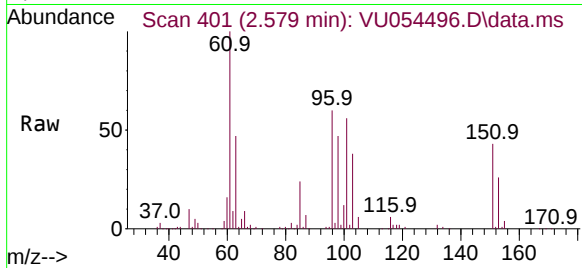




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.928 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

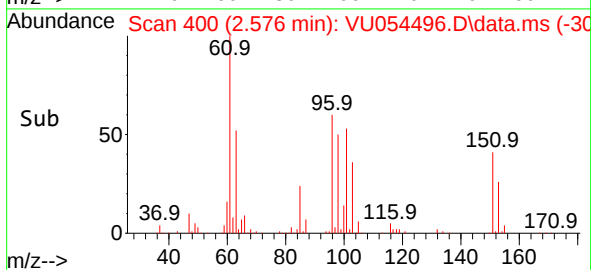
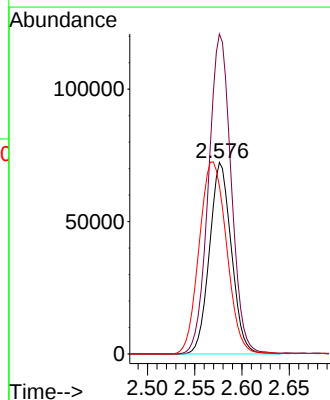
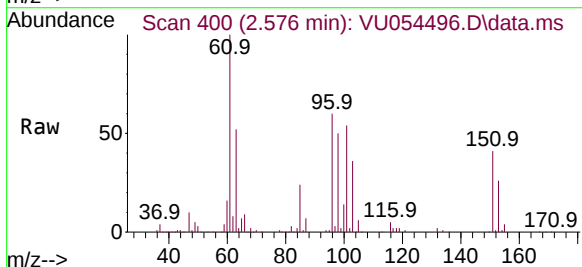
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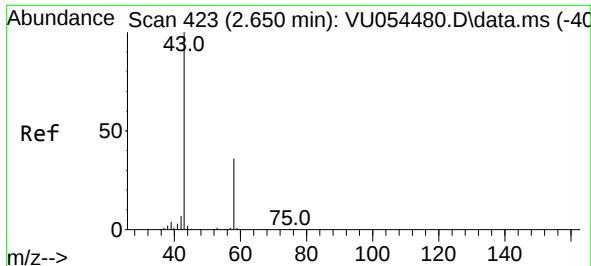
Tgt Ion:101 Resp: 124316
Ion Ratio Lower Upper
101 100
85 44.3 34.6 51.8
151 75.6 57.7 86.5



#12
1,1-Dichloroethene
Concen: 5.048 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 96 Resp: 116558
Ion Ratio Lower Upper
96 100
61 167.1 119.9 222.7
63 87.7 64.3 119.3





#13

Acetone

Concen: 36.740 ug/L

RT: 2.650 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

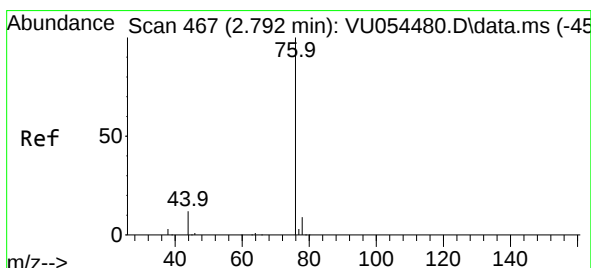
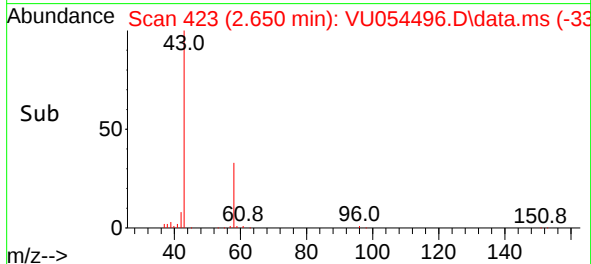
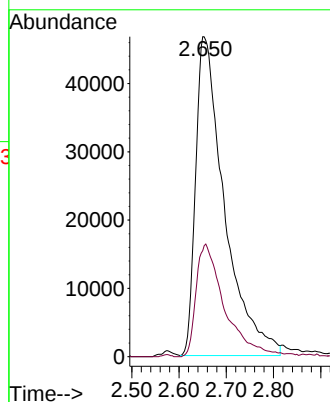
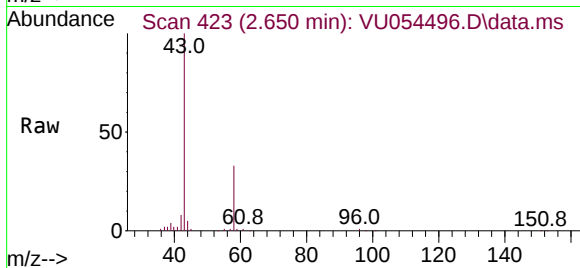
VSTD005181

Tgt Ion: 43 Resp: 197323

Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.2



#14

Carbon disulfide

Concen: 4.843 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054496.D

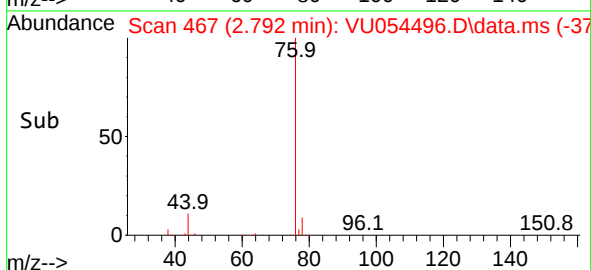
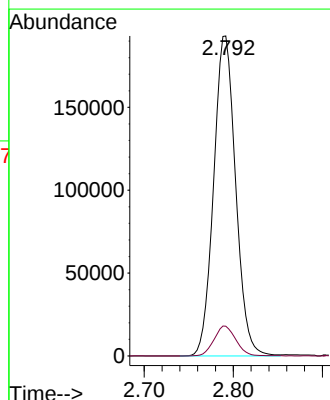
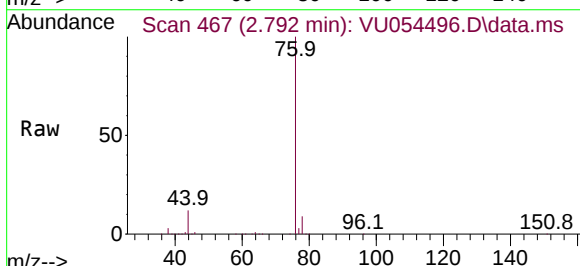
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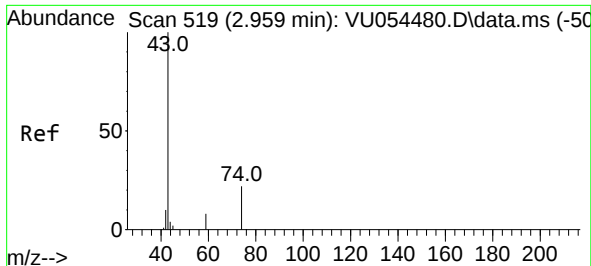
Tgt Ion: 76 Resp: 331622

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

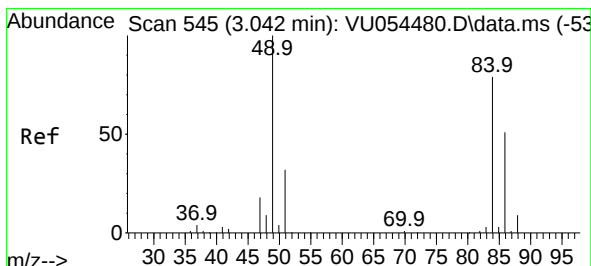
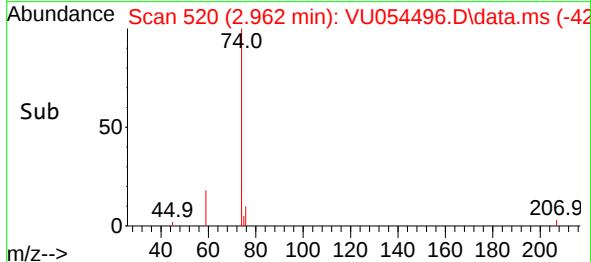
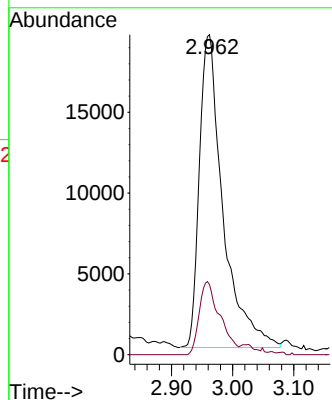
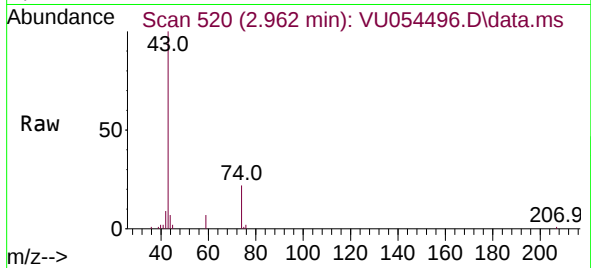




#15
Methyl Acetate
Concen: 5.211 ug/L
RT: 2.962 min Scan# 519
Delta R.T. 0.003 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

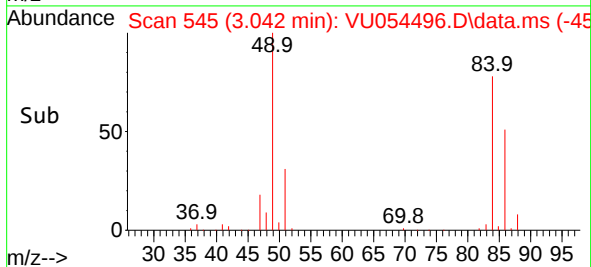
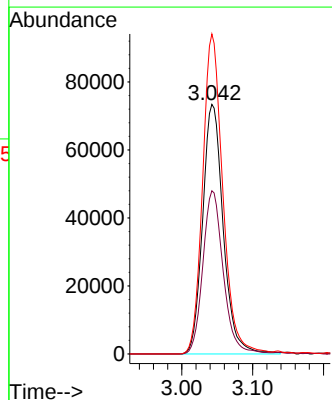
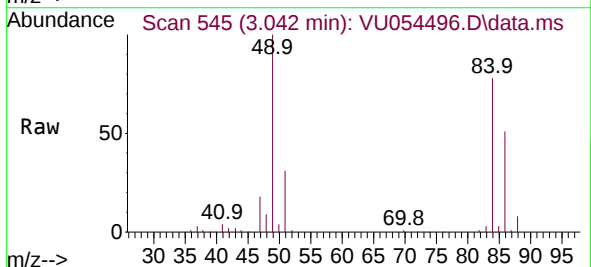
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

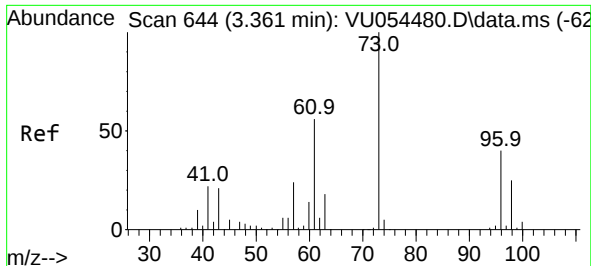
Tgt Ion: 43 Resp: 51866
Ion Ratio Lower Upper
43 100
74 20.6 19.0 28.6



#16
Methylene chloride
Concen: 4.568 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 84 Resp: 148313
Ion Ratio Lower Upper
84 100
86 65.4 43.9 81.5
49 128.2 86.1 159.9

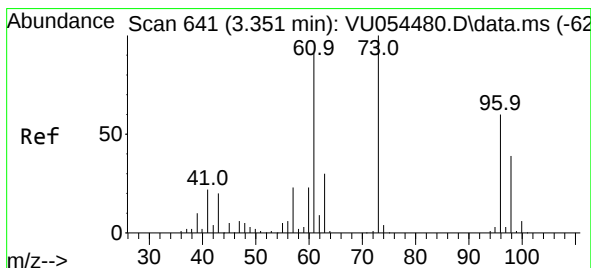
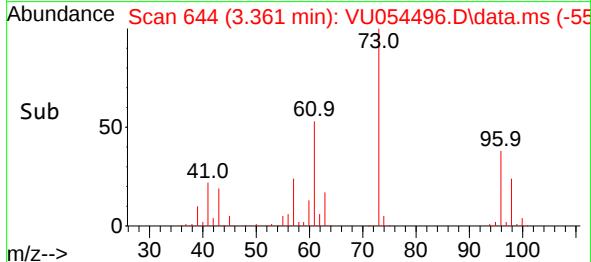
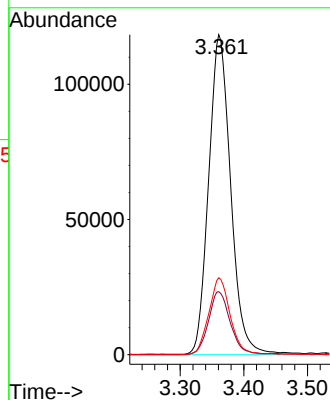
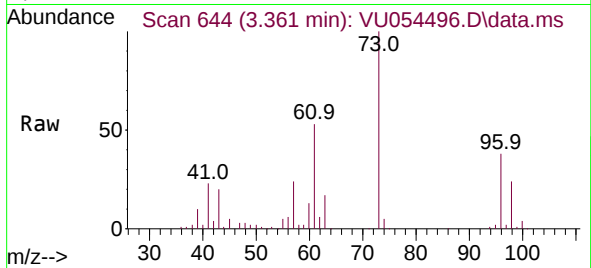




#17
Methyl tert-butyl Ether
Concen: 4.981 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

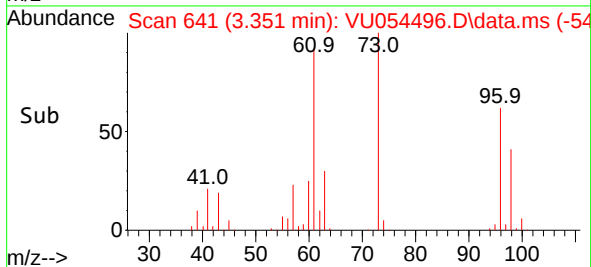
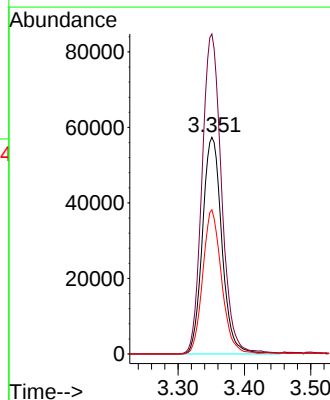
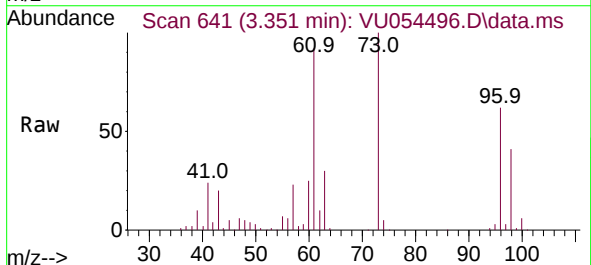
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

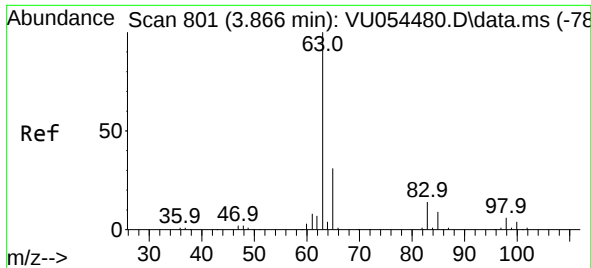
Tgt Ion: 73 Resp: 283866
Ion Ratio Lower Upper
73 100
43 19.0 15.7 23.5
57 23.2 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.898 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 96 Resp: 116772
Ion Ratio Lower Upper
96 100
61 147.7 104.6 194.2
98 66.6 45.4 84.4

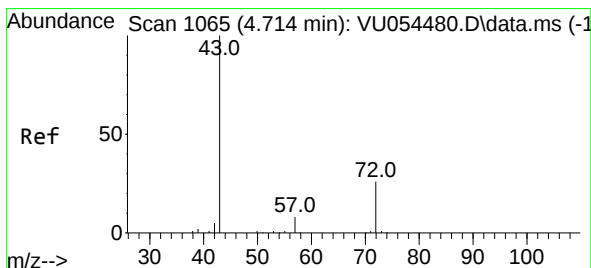
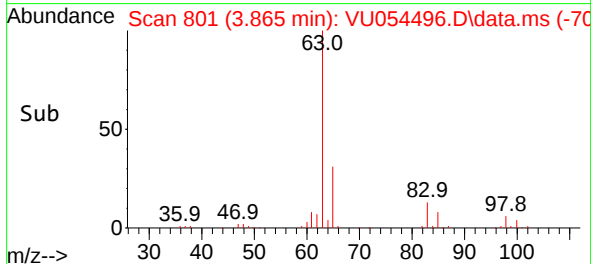
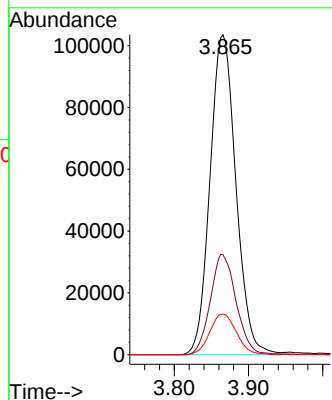
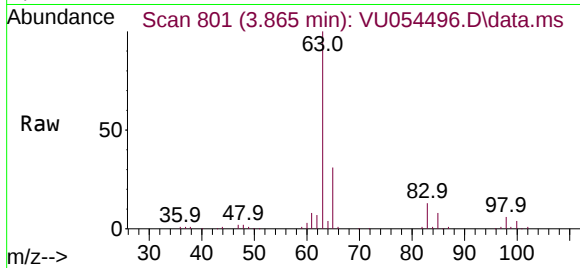




#19
1,1-Dichloroethane
Concen: 5.086 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

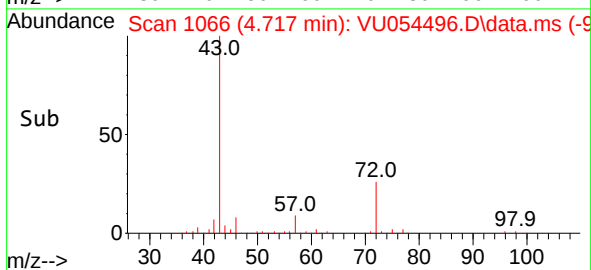
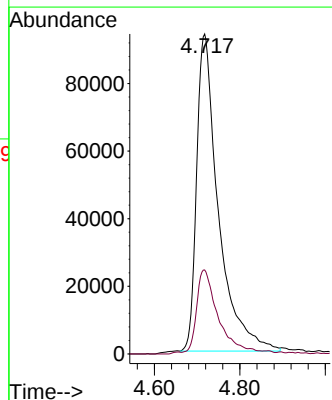
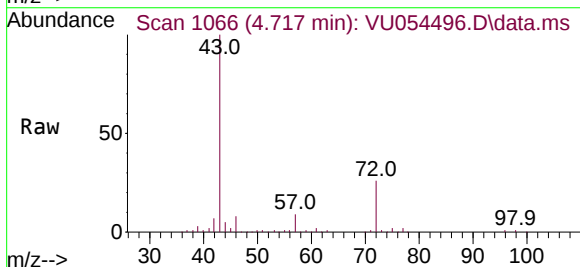
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

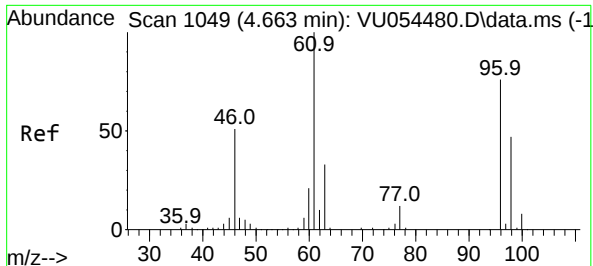
Tgt Ion: 63 Resp: 250897
Ion Ratio Lower Upper
63 100
65 31.3 22.2 41.2
83 12.7 9.0 16.6



#21
2-Butanone
Concen: 47.464 ug/L
RT: 4.717 min Scan# 1066
Delta R.T. 0.003 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 43 Resp: 330833
Ion Ratio Lower Upper
43 100
72 25.6 13.4 40.1

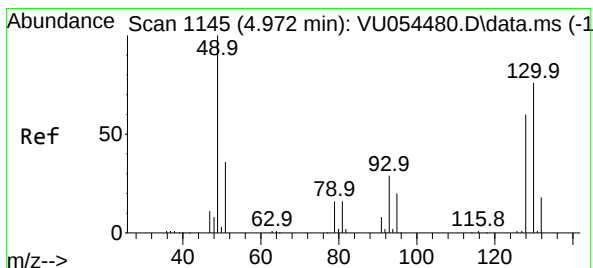
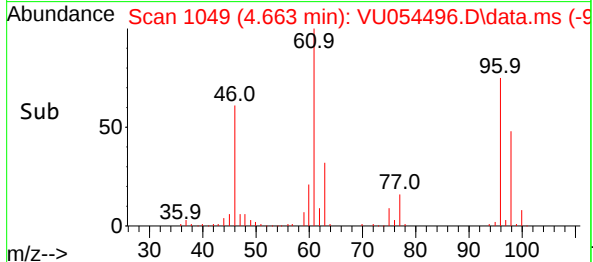
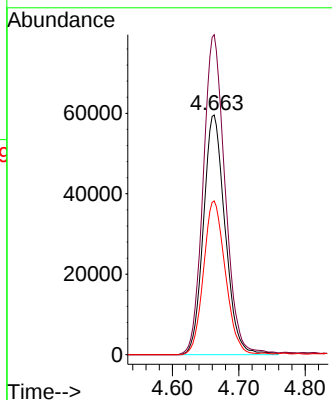
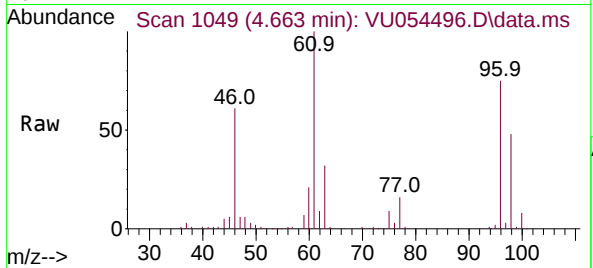




#22
 cis-1,2-Dichloroethene
 Concen: 4.994 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

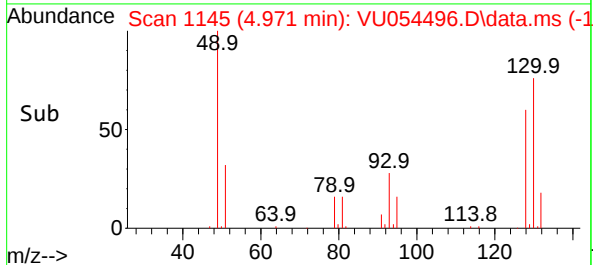
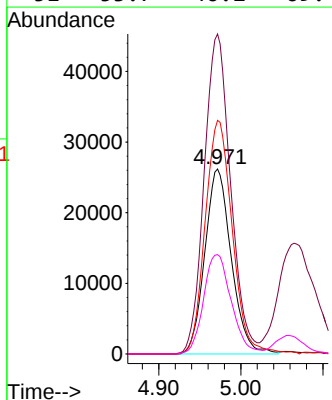
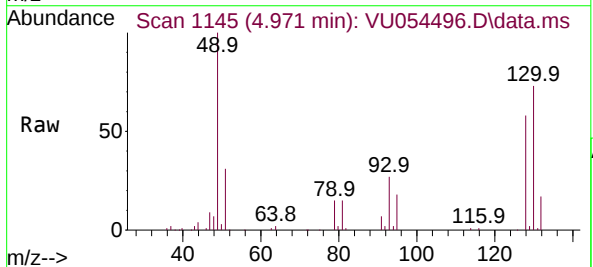
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

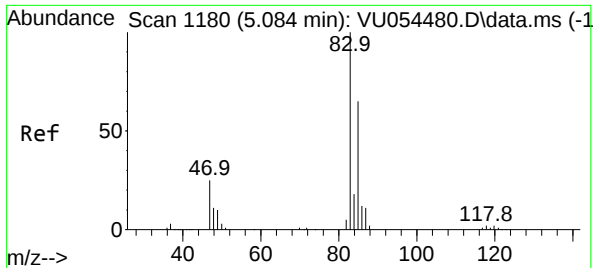
Tgt Ion: 96 Resp: 135581
 Ion Ratio Lower Upper
 96 100
 61 133.5 96.5 179.1
 98 64.1 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.208 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

Tgt Ion:128 Resp: 58830
 Ion Ratio Lower Upper
 128 100
 49 173.1 132.1 245.3
 130 126.3 91.5 169.9
 51 53.7 46.2 69.4

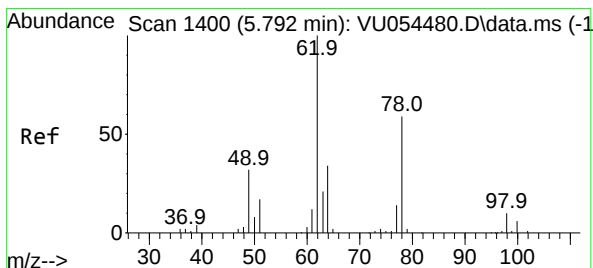
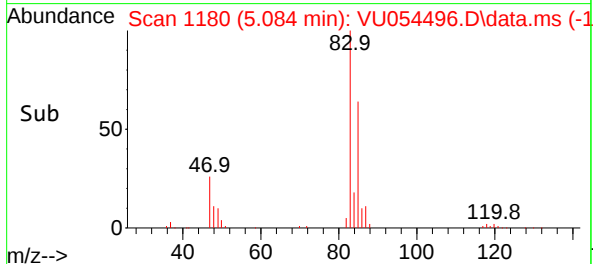
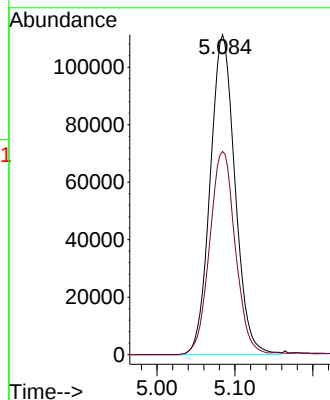
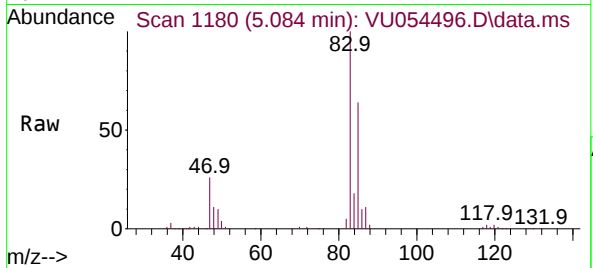




#25
Chloroform
Concen: 5.068 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

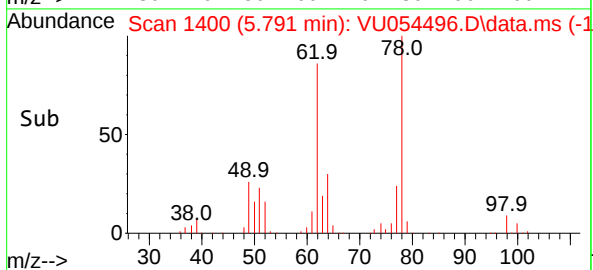
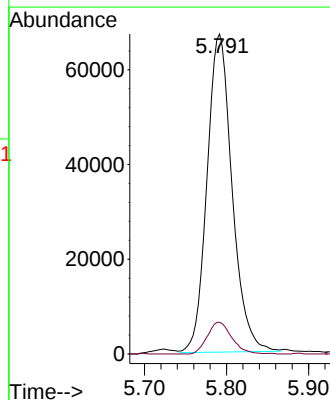
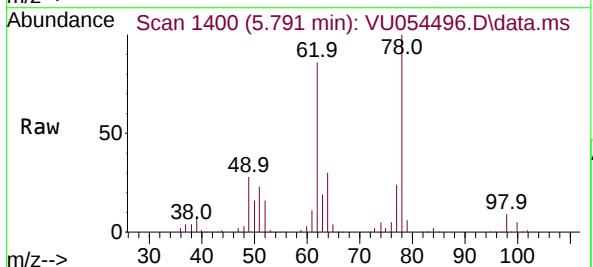
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

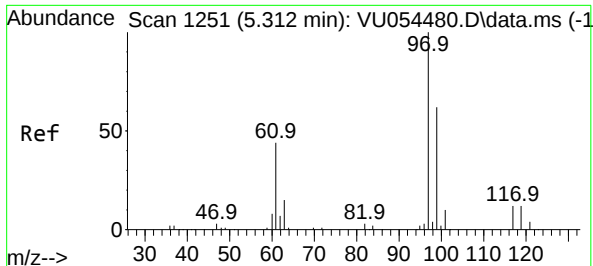
Tgt Ion: 83 Resp: 246475
Ion Ratio Lower Upper
83 100
85 63.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.021 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 62 Resp: 143135
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.041 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

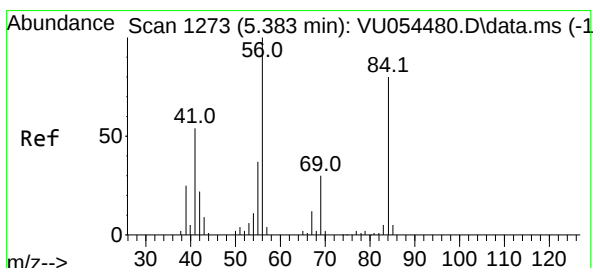
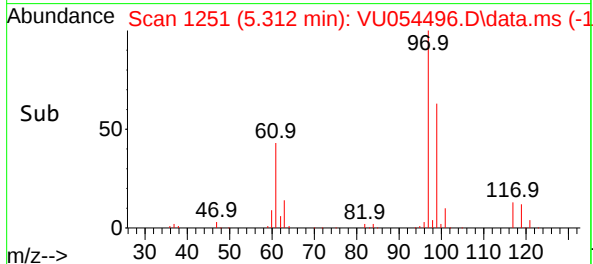
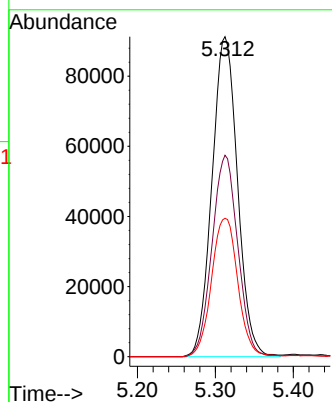
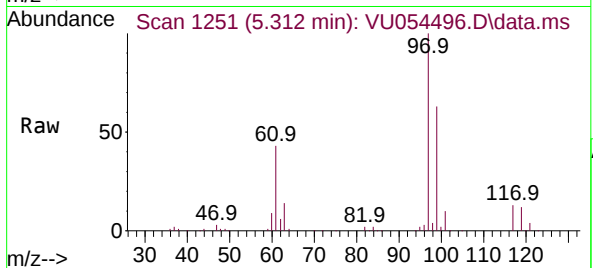
Tgt Ion: 97 Resp: 208123

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 44.6 36.1 54.1



#30

Cyclohexane

Concen: 4.617 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

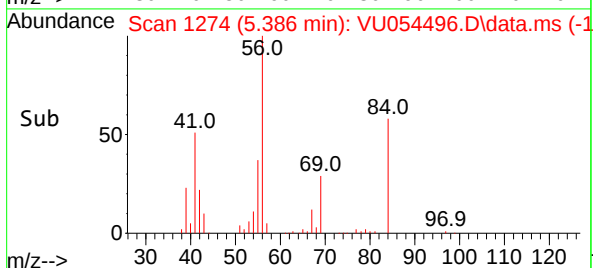
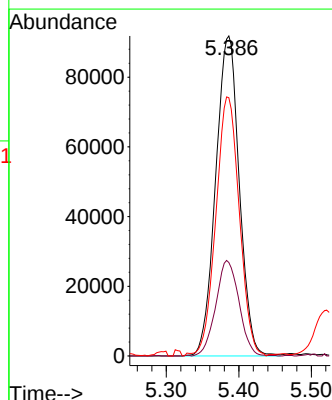
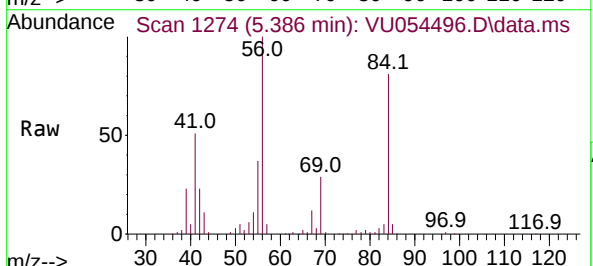
Tgt Ion: 56 Resp: 207618

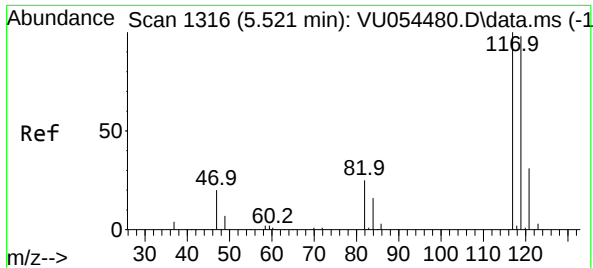
Ion Ratio Lower Upper

56 100

69 29.4 23.9 35.9

84 80.5 63.0 94.6

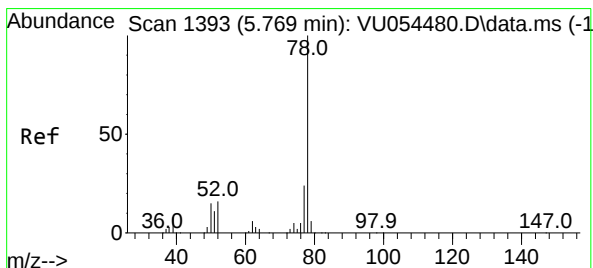
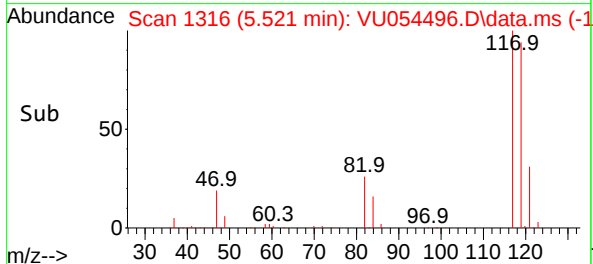
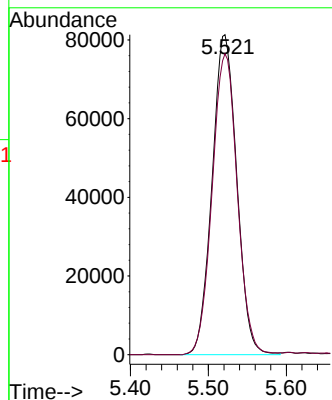
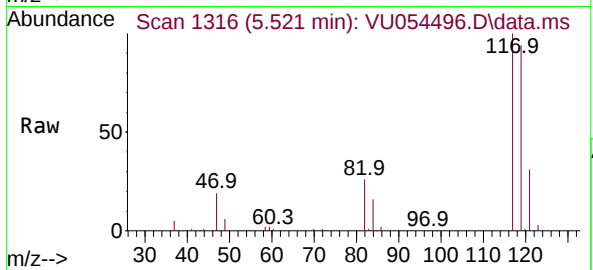




#31
Carbon tetrachloride
Concen: 5.032 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

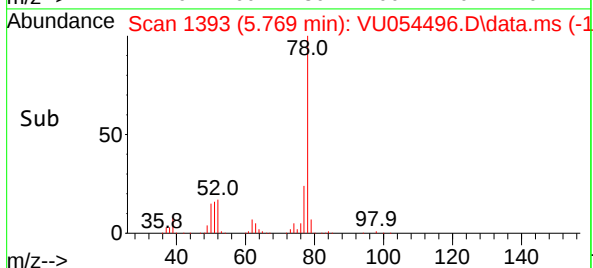
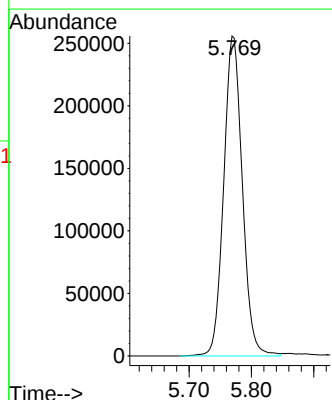
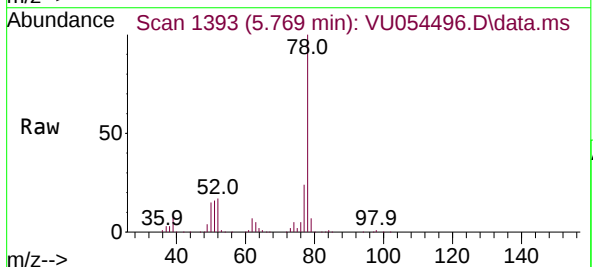
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

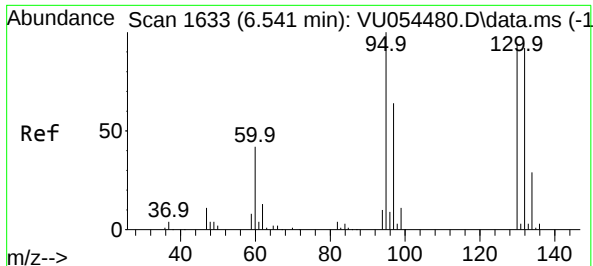
Tgt Ion:117 Resp: 179029
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 4.847 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 78 Resp: 530439

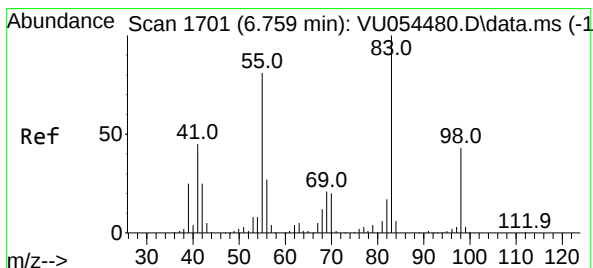
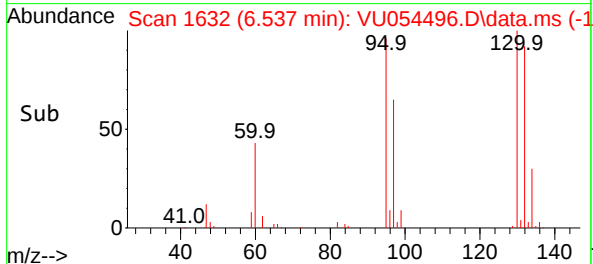
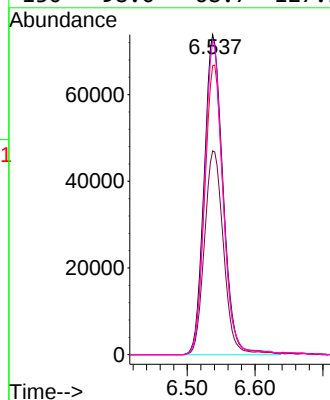
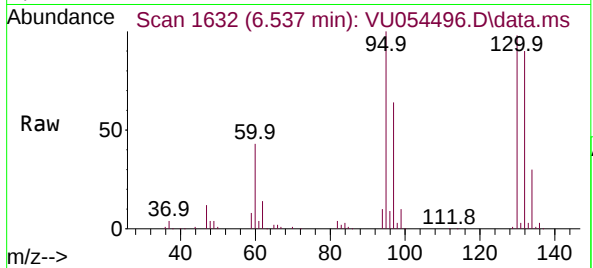




#34
Trichloroethene
Concen: 4.931 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

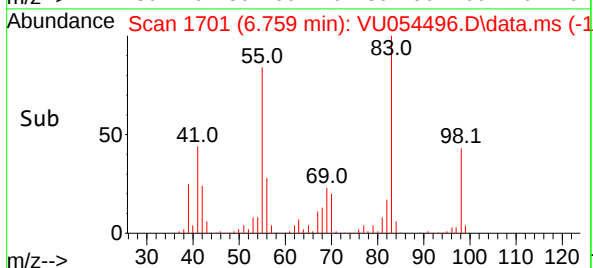
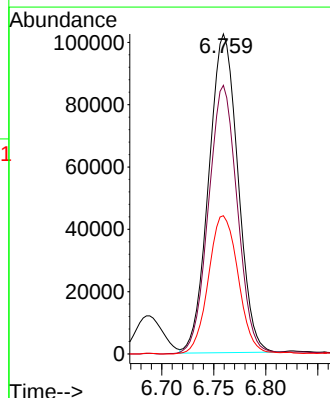
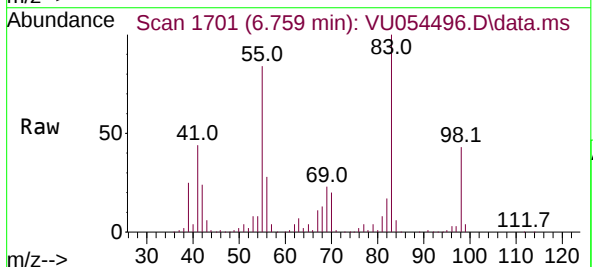
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

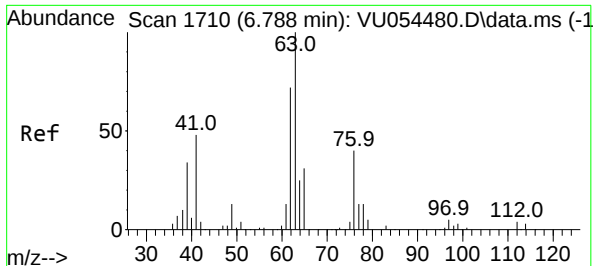
Tgt Ion: 95 Resp: 142698
Ion Ratio Lower Upper
95 100
97 63.7 46.8 87.0
132 90.3 68.4 127.0
130 98.0 68.7 127.5



#35
Methylcyclohexane
Concen: 4.563 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 83 Resp: 199595
Ion Ratio Lower Upper
83 100
55 83.9 67.1 100.7
98 44.4 35.1 52.7

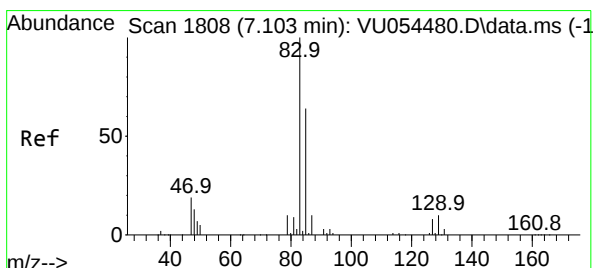
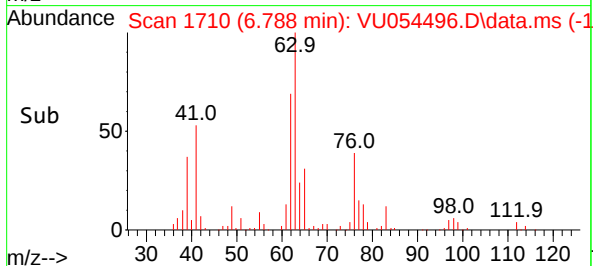
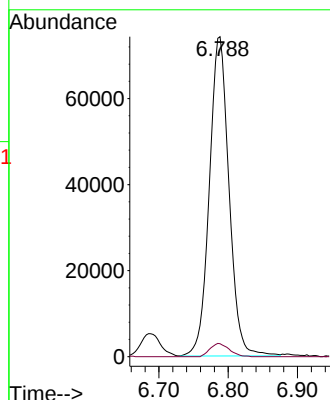
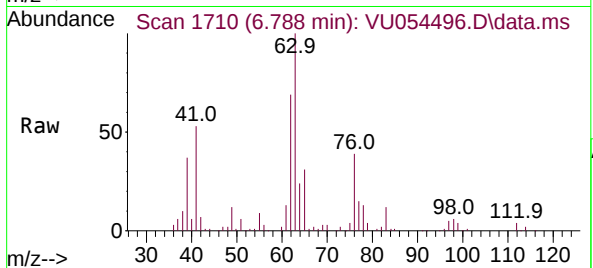




#37
1,2-Dichloropropane
Concen: 4.934 ug/L
RT: 6.788 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

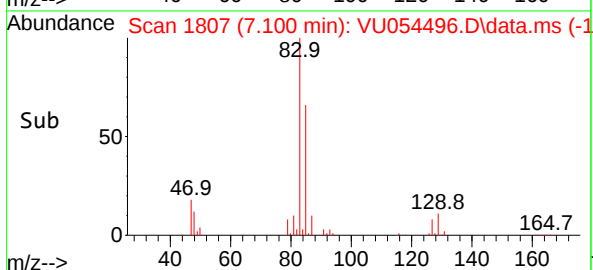
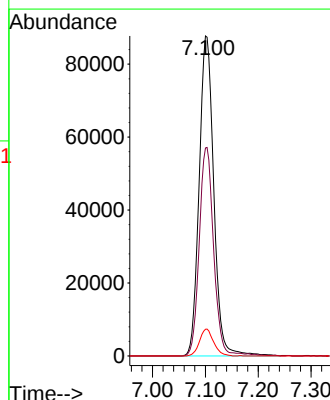
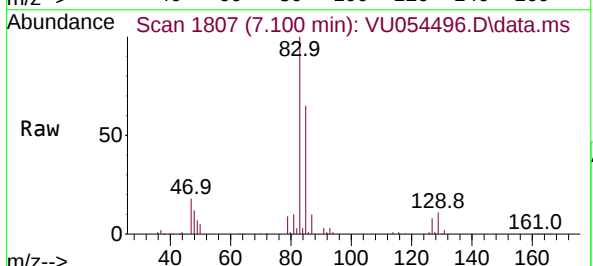
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

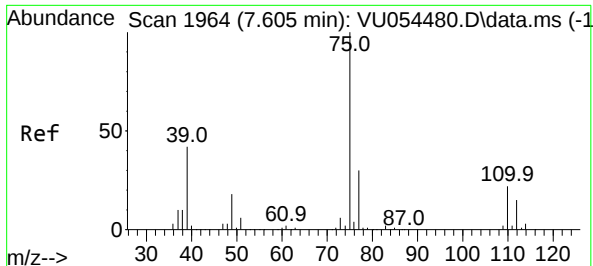
Tgt Ion: 63 Resp: 145983
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.6



#38
Bromodichloromethane
Concen: 5.044 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 83 Resp: 168953
Ion Ratio Lower Upper
83 100
85 65.0 44.1 81.9
127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.842 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

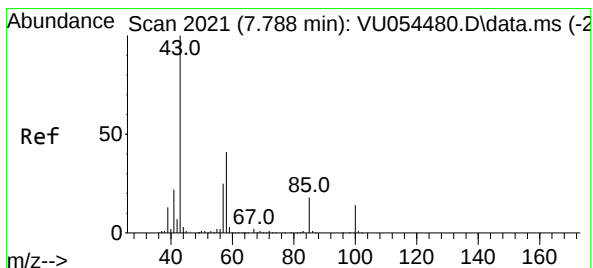
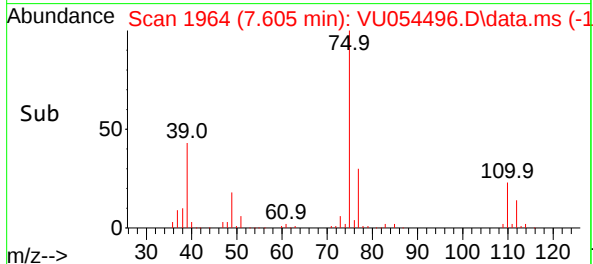
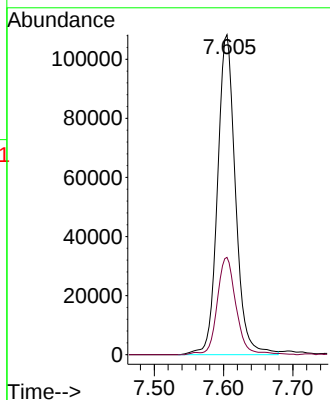
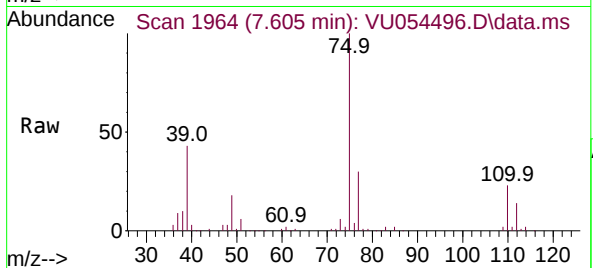
VSTD005181

Tgt Ion: 75 Resp: 195592

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.309 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

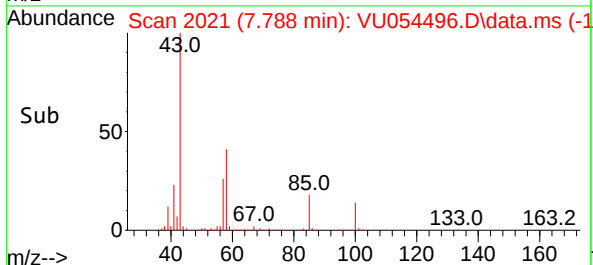
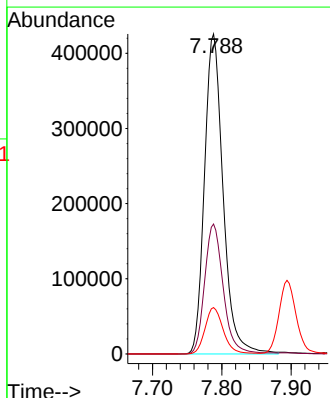
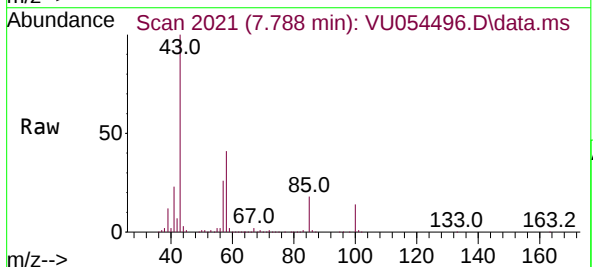
Tgt Ion: 43 Resp: 794395

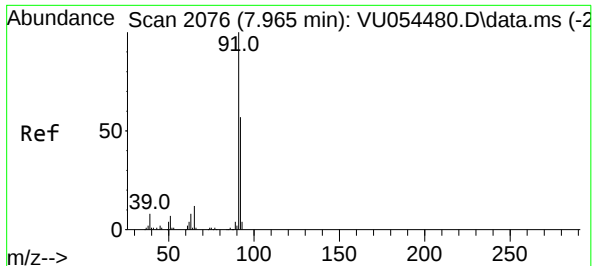
Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6

100 14.2 11.4 17.2





#42

Toluene

Concen: 5.069 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

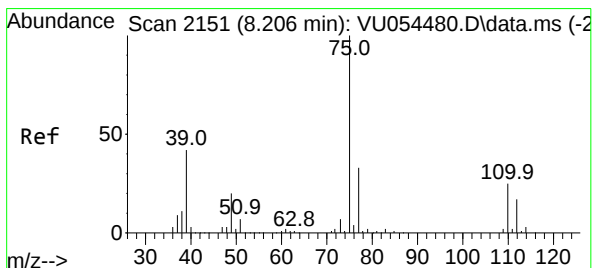
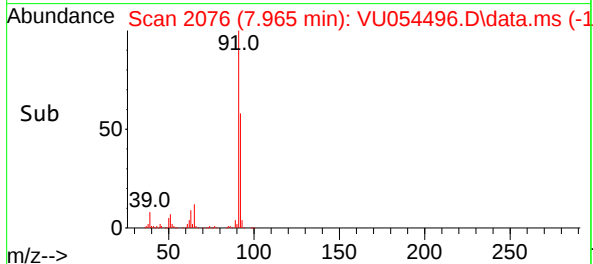
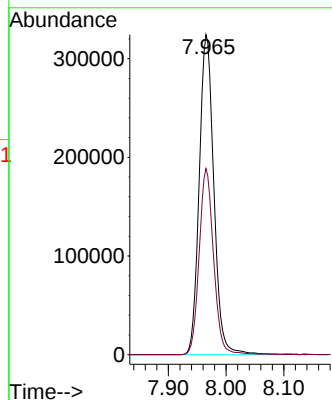
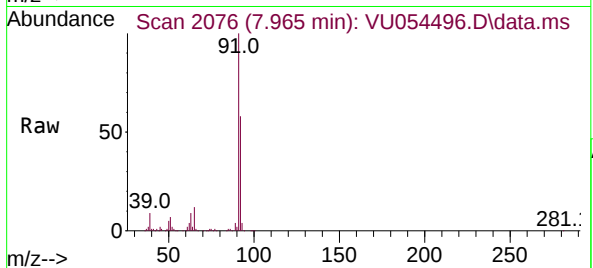
VSTD005181

Tgt Ion: 91 Resp: 571230

Ion Ratio Lower Upper

91 100

92 58.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.996 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054496.D

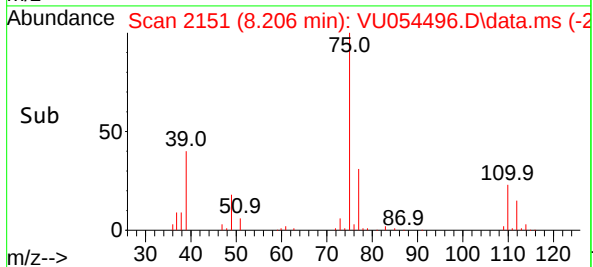
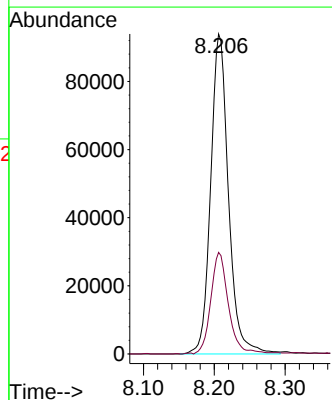
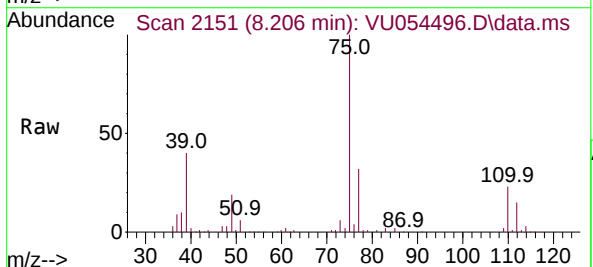
Acq: 12 Jun 2023 19:13

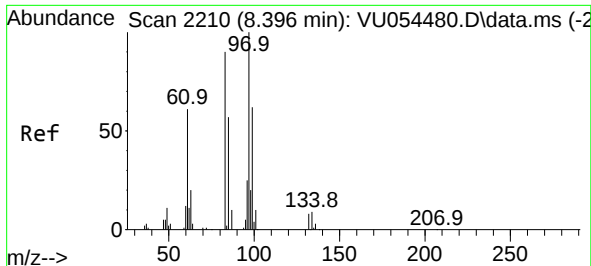
Tgt Ion: 75 Resp: 163784

Ion Ratio Lower Upper

75 100

77 31.7 21.3 39.6



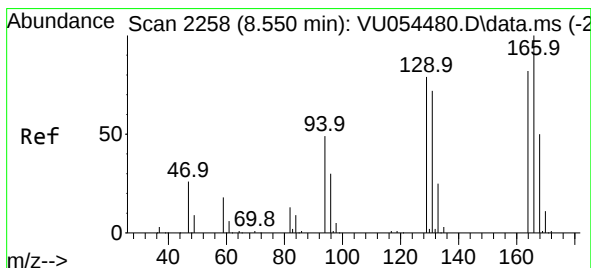
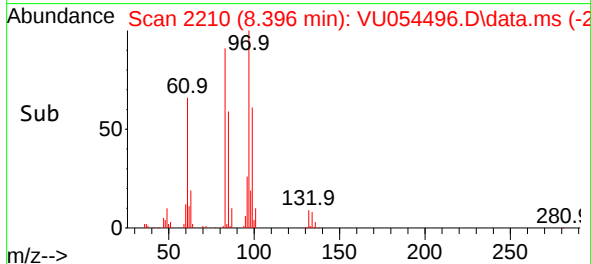
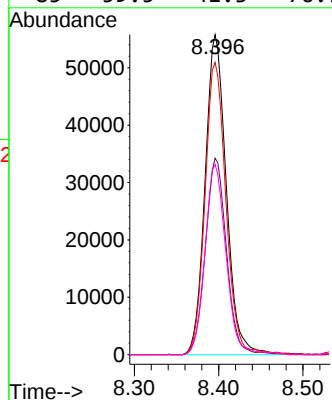
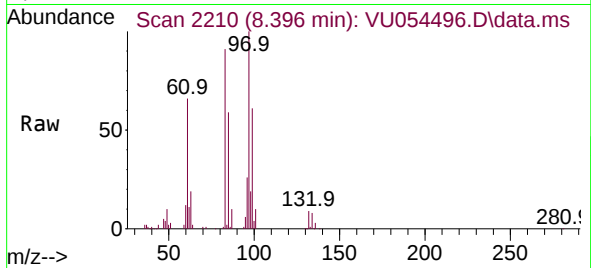


#45
1,1,2-Trichloroethane
Concen: 5.184 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

Tgt Ion: 97 Resp: 97575

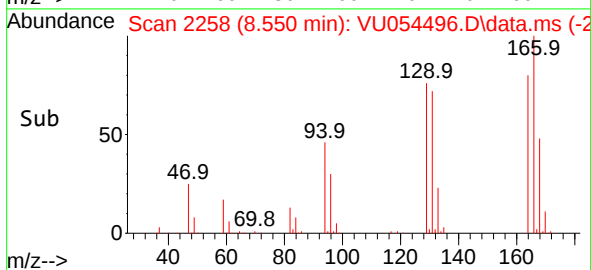
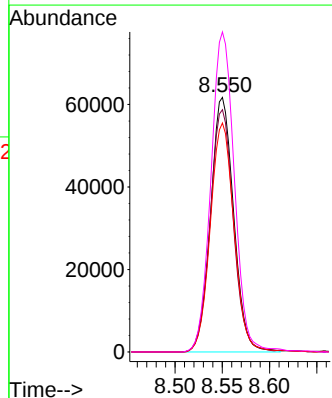
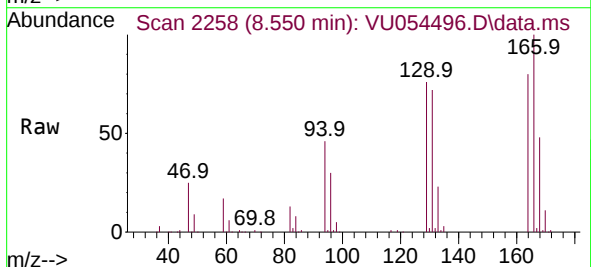
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.0	80.0
83	91.3	63.8	118.6
85	59.5	41.3	76.7

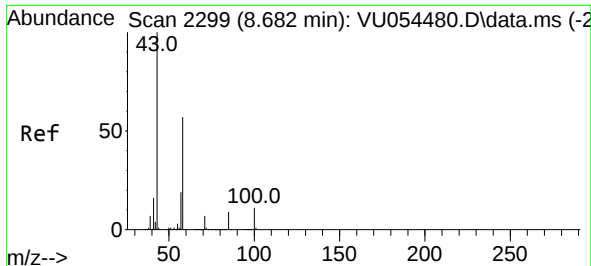


#47
Tetrachloroethene
Concen: 4.733 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 164 Resp: 104835

Ion	Ratio	Lower	Upper
164	100		
129	95.1	67.7	125.7
131	89.9	64.6	120.0
166	125.7	88.1	163.7





#48

2-Hexanone

Concen: 48.962 ug/L

RT: 8.682 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

Tgt Ion: 43 Resp: 576056

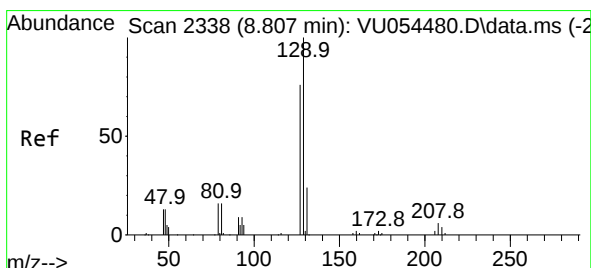
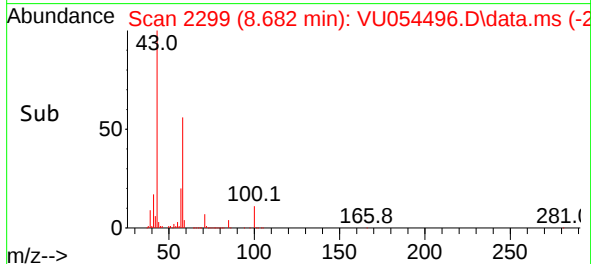
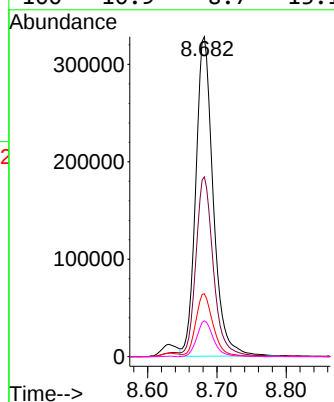
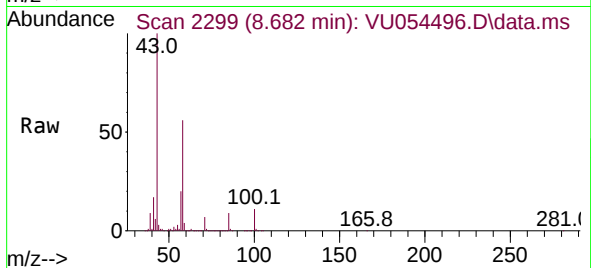
Ion Ratio Lower Upper

43 100

58 56.1 45.2 67.8

57 19.4 15.8 23.6

100 10.9 8.7 13.1



#49

Dibromochloromethane

Concen: 5.272 ug/L

RT: 8.807 min Scan# 2338

Delta R.T. -0.000 min

Lab File: VU054496.D

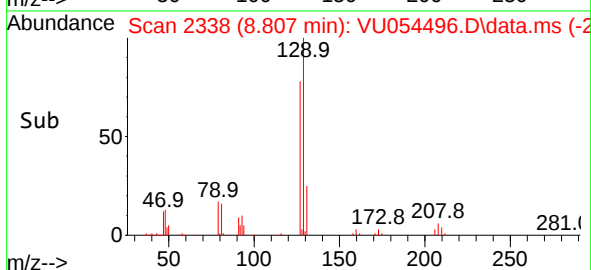
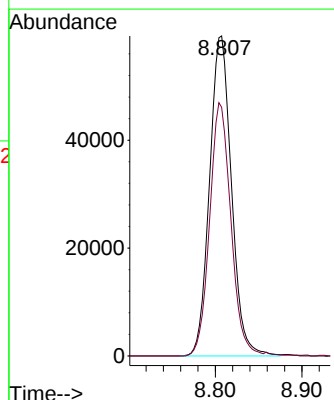
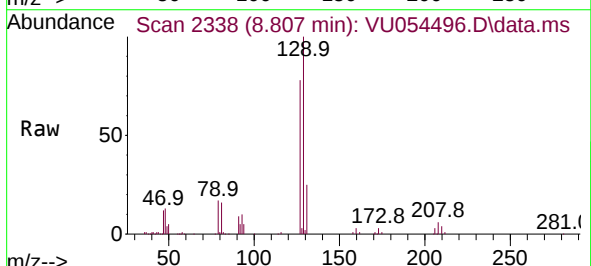
Acq: 12 Jun 2023 19:13

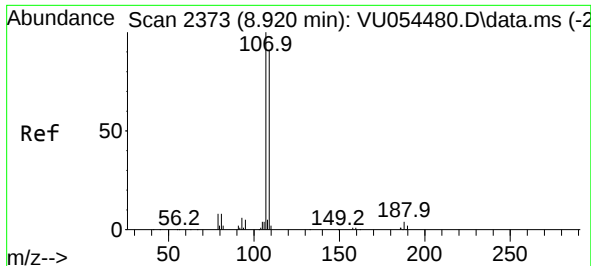
Tgt Ion: 129 Resp: 104202

Ion Ratio Lower Upper

129 100

127 77.7 53.2 98.8





#50

1,2-Dibromoethane

Concen: 5.022 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

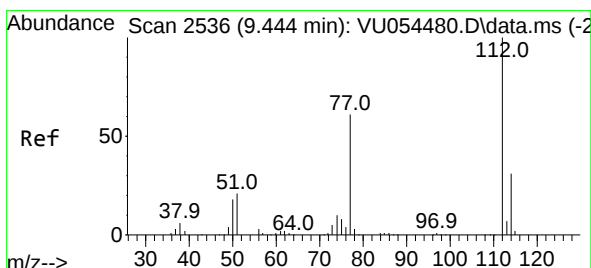
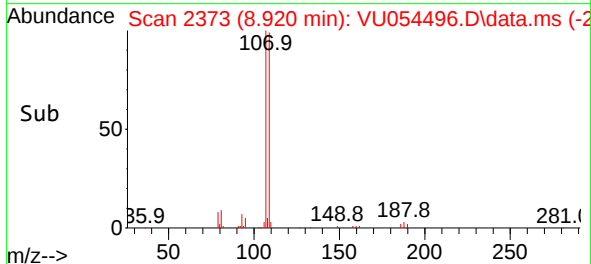
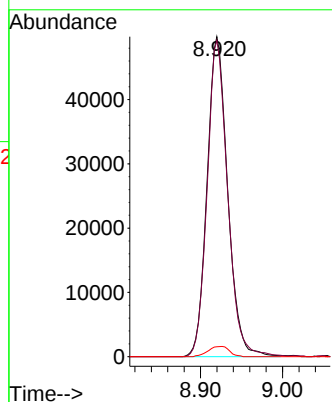
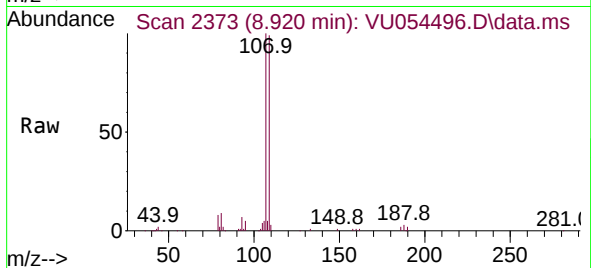
Tgt Ion:107 Resp: 86783

Ion Ratio Lower Upper

107 100

109 98.8 66.6 123.6

188 3.1 3.1 4.7



#51

Chlorobenzene

Concen: 5.009 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

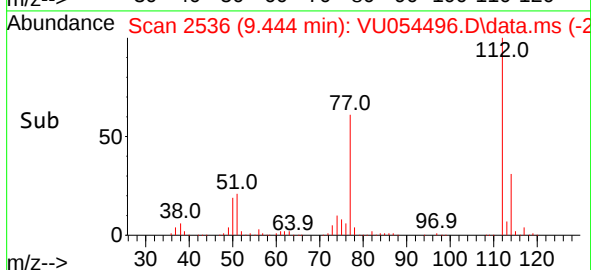
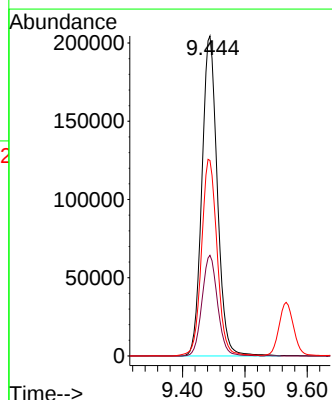
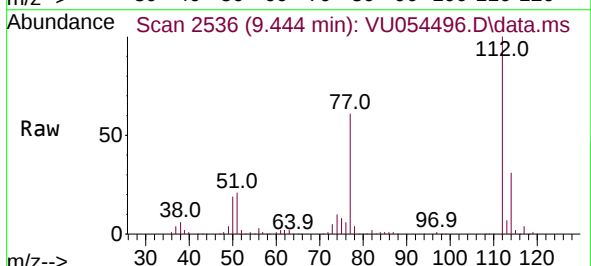
Tgt Ion:112 Resp: 351858

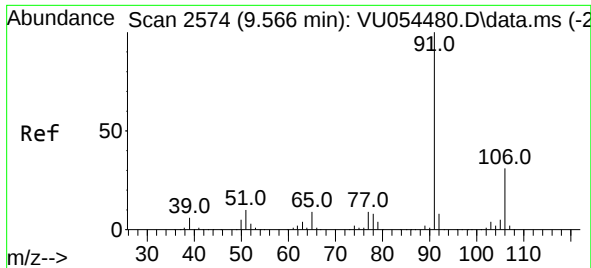
Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.1

77 61.1 49.8 74.8

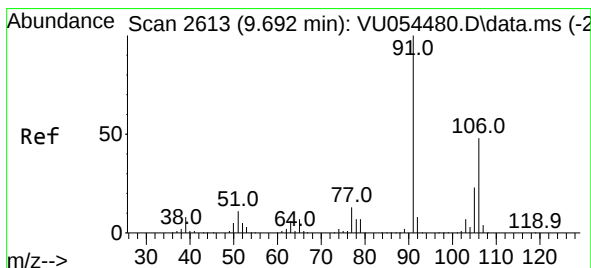
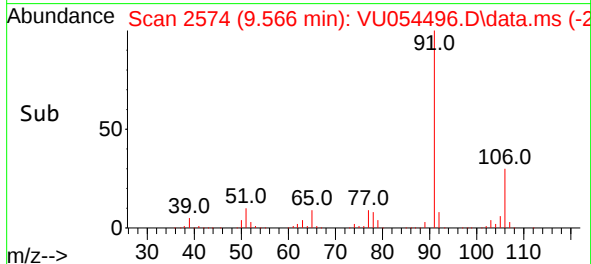
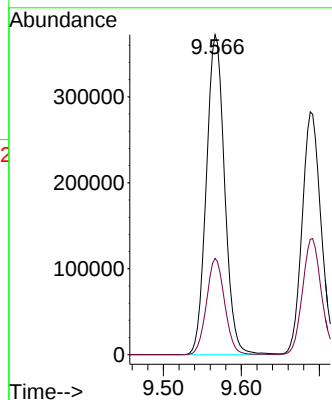
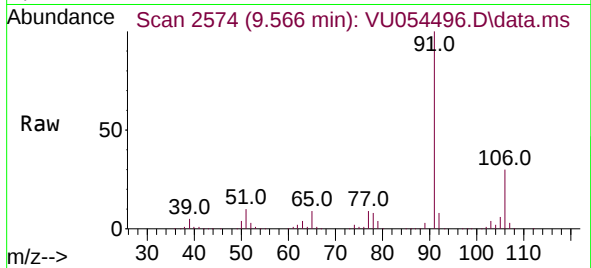




#52
Ethylbenzene
Concen: 4.934 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

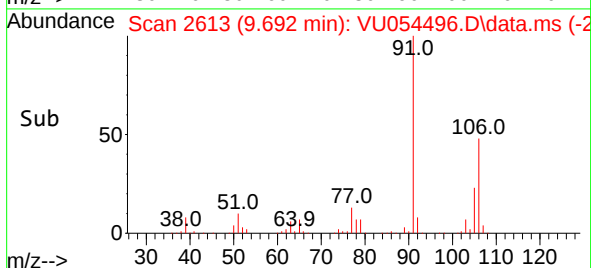
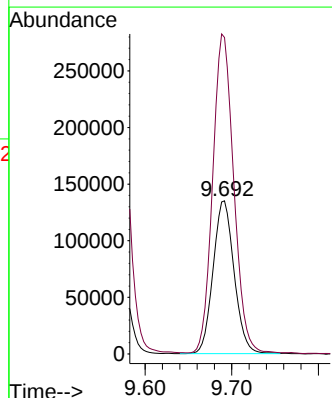
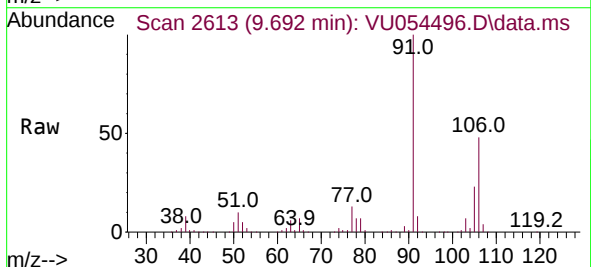
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

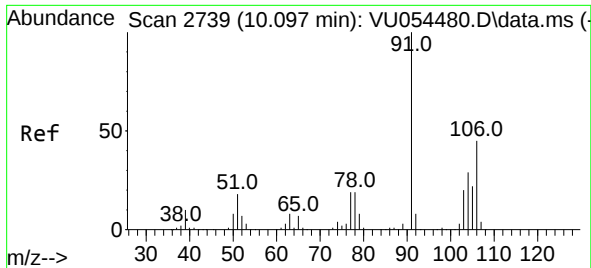
Tgt Ion: 91 Resp: 607258
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.3



#53
m,p-Xylene
Concen: 5.022 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion: 106 Resp: 227063
Ion Ratio Lower Upper
106 100
91 206.7 147.0 273.0

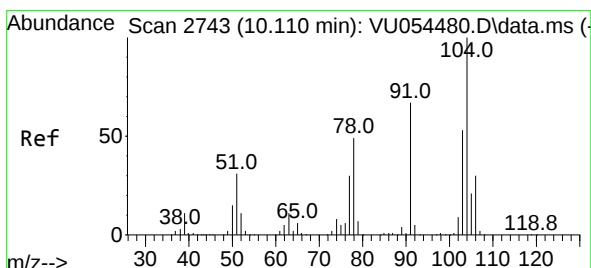
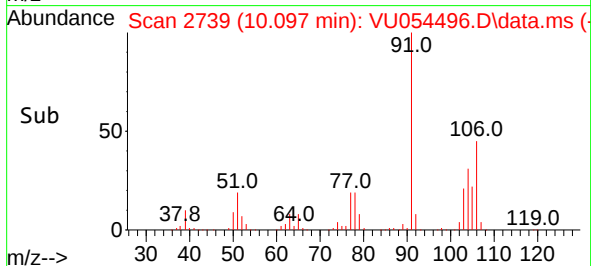
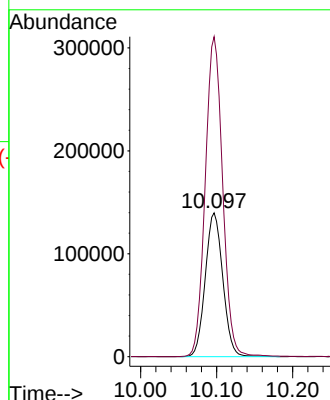
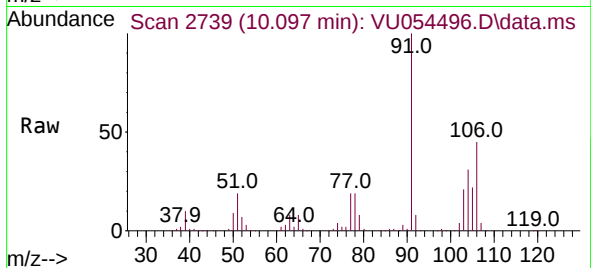




#54
o-Xylene
Concen: 5.114 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

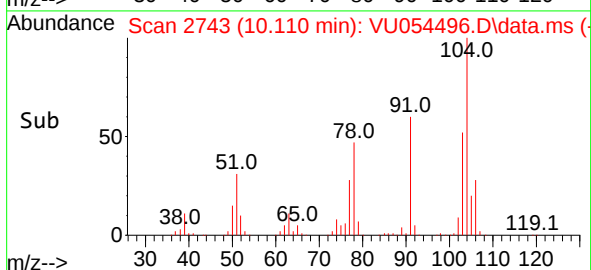
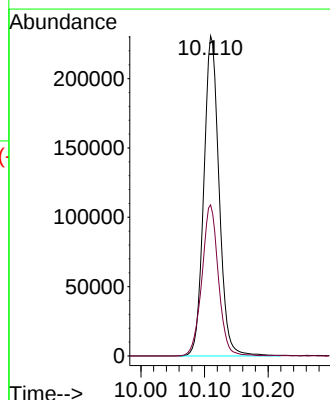
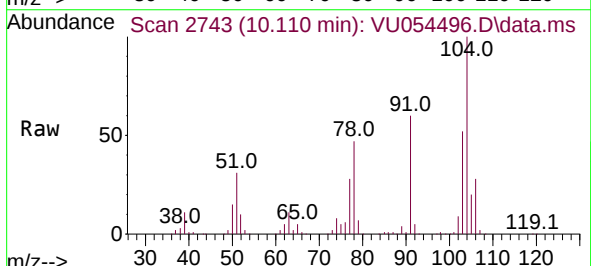
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

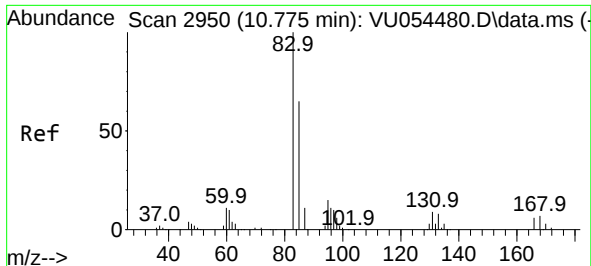
Tgt Ion:106 Resp: 223607
Ion Ratio Lower Upper
106 100
91 222.5 154.5 286.9



#55
Styrene
Concen: 5.266 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion:104 Resp: 386495
Ion Ratio Lower Upper
104 100
78 47.2 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.988 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

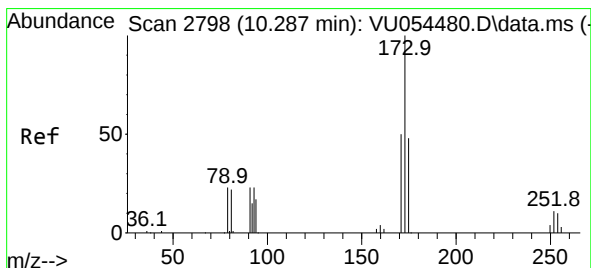
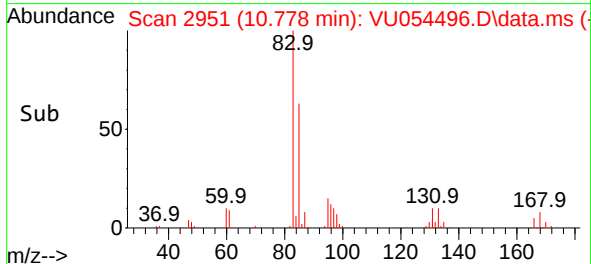
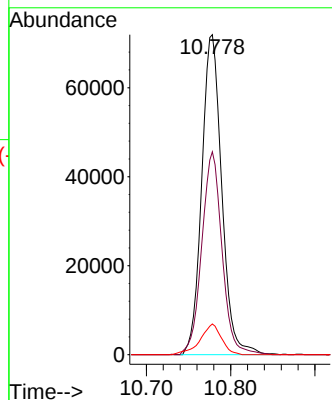
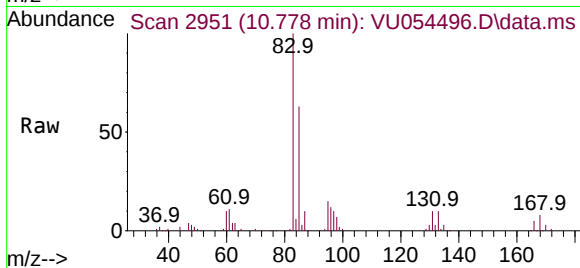
Tgt Ion: 83 Resp: 119271

Ion Ratio Lower Upper

83 100

85 63.4 44.2 82.2

131 9.6 7.0 10.6



#59

Bromoform

Concen: 5.187 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

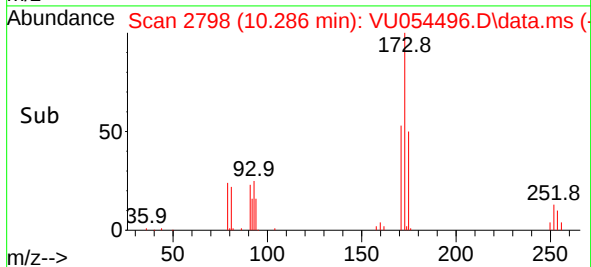
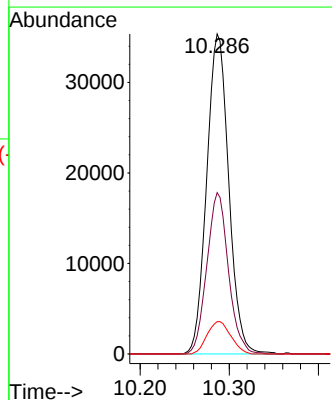
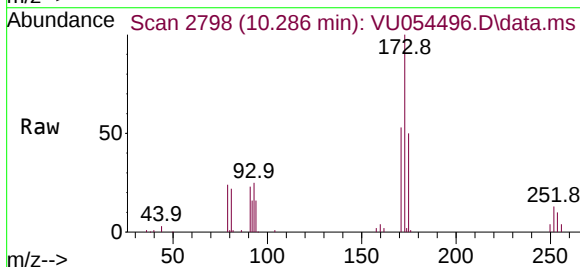
Tgt Ion:173 Resp: 60627

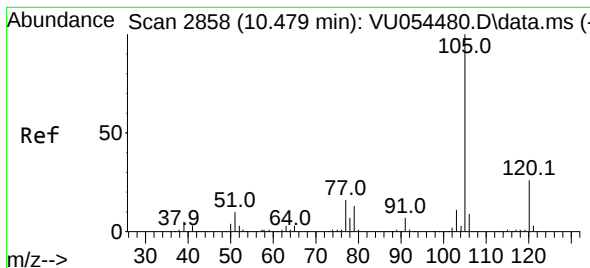
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.0

254 10.9 8.6 12.8





#60

Isopropylbenzene

Concen: 5.056 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

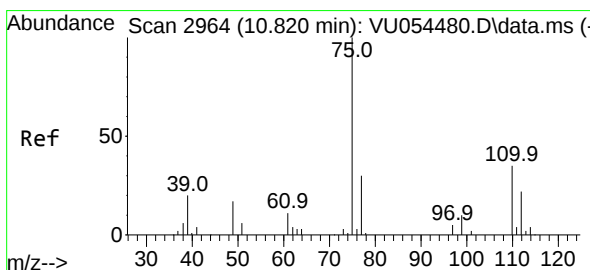
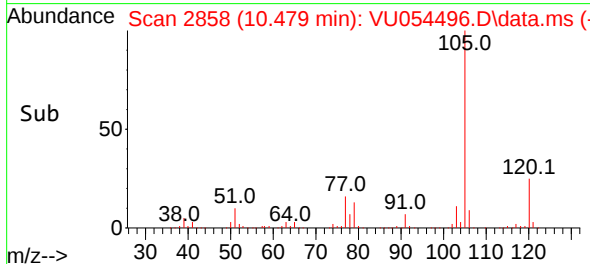
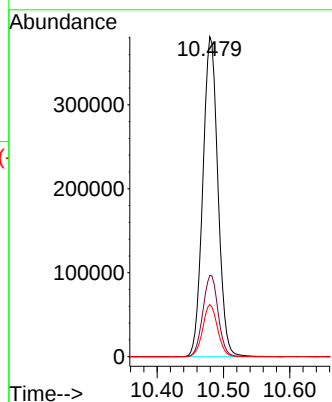
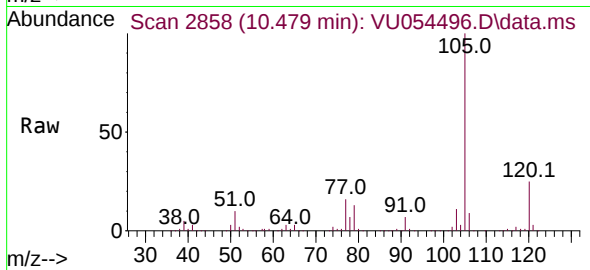
Tgt Ion:105 Resp: 602208

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

77 16.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.936 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

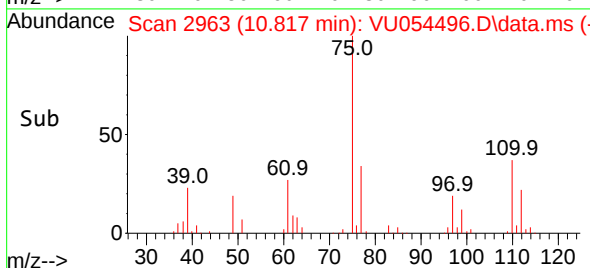
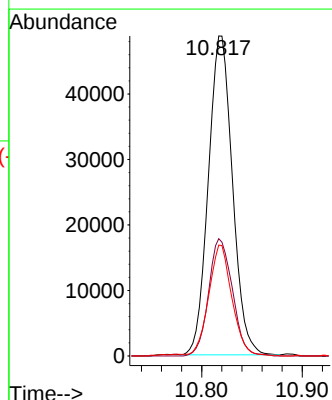
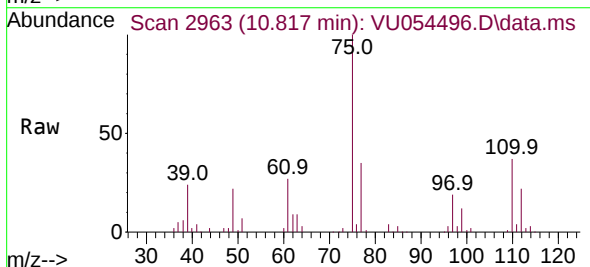
Tgt Ion: 75 Resp: 81219

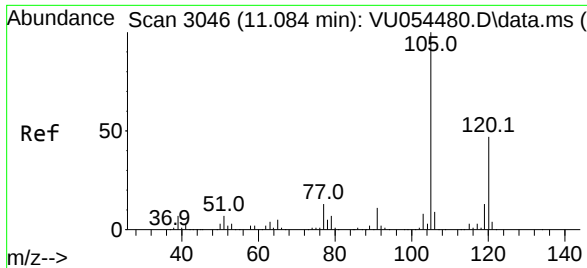
Ion Ratio Lower Upper

75 100

110 36.3 28.0 42.0

77 33.6 25.4 38.2

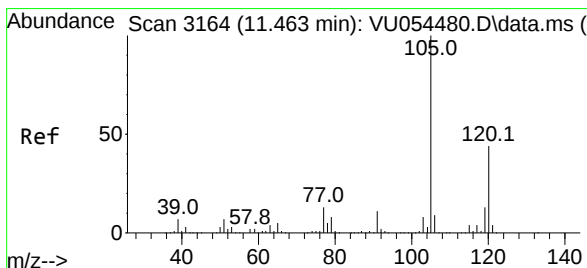
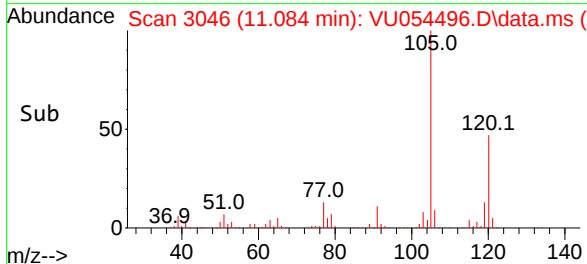
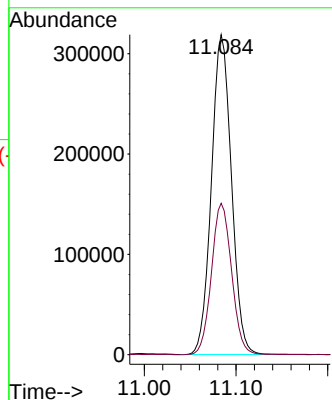
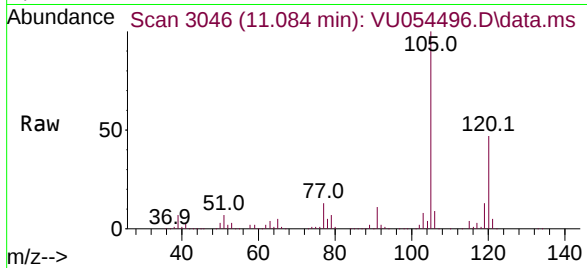




#62
1,3,5-Trimethylbenzene
Concen: 4.972 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

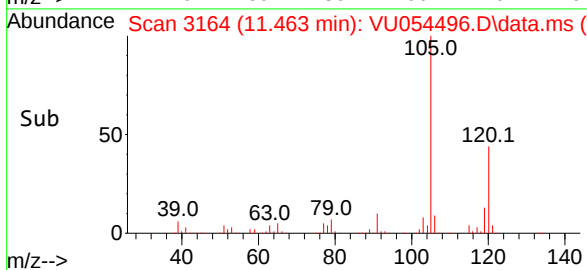
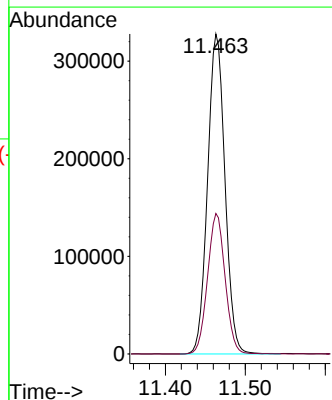
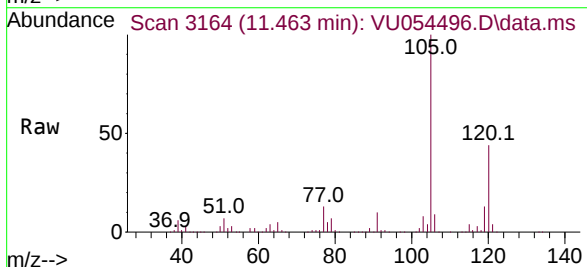
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

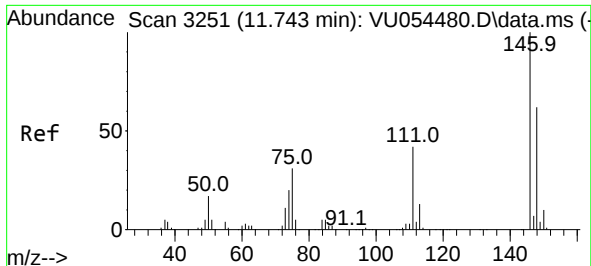
Tgt Ion:105 Resp: 483141
Ion Ratio Lower Upper
105 100
120 47.6 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.025 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion:105 Resp: 495984
Ion Ratio Lower Upper
105 100
120 44.4 35.4 53.0

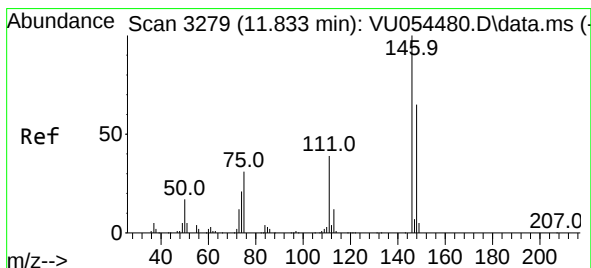
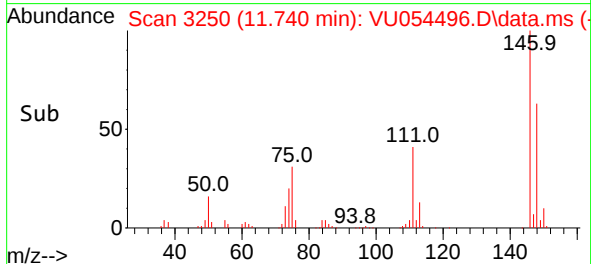
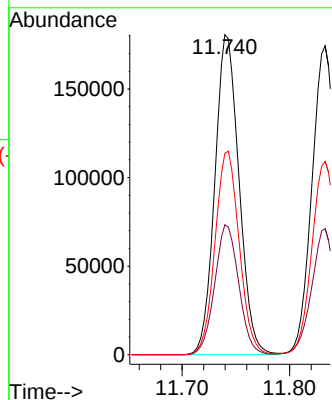
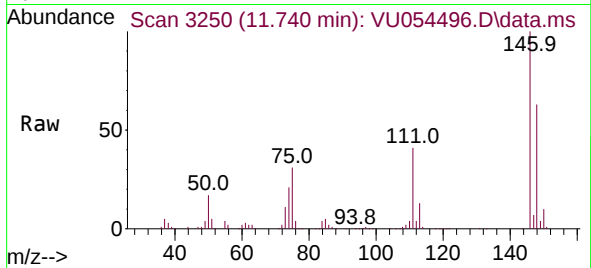




#64
1,3-Dichlorobenzene
Concen: 5.068 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

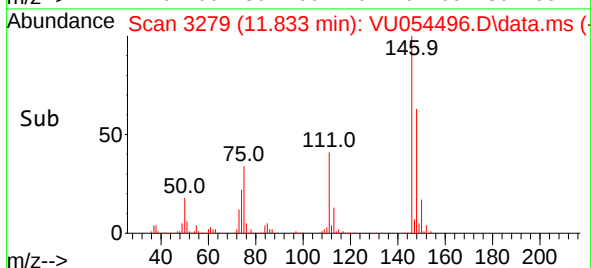
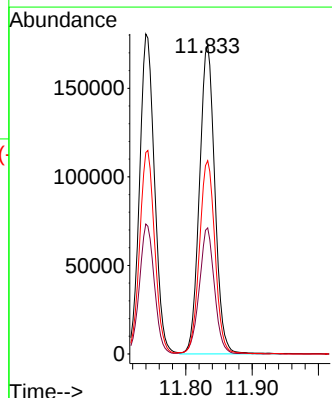
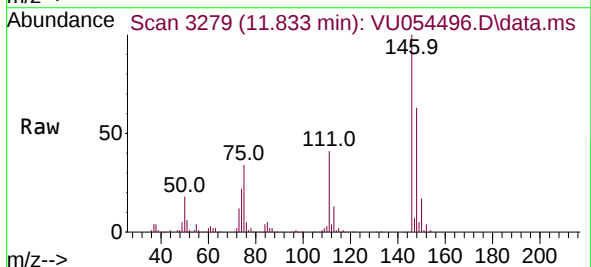
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

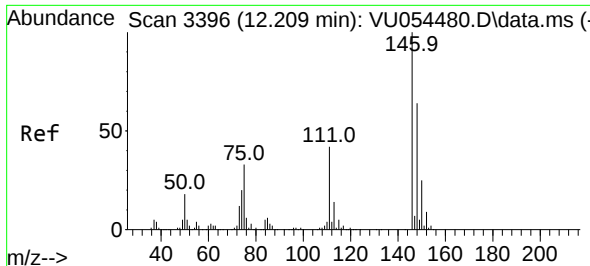
Tgt Ion:146 Resp: 282153
Ion Ratio Lower Upper
146 100
111 40.6 28.9 53.7
148 63.0 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.030 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion:146 Resp: 281074
Ion Ratio Lower Upper
146 100
111 40.8 28.0 52.0
148 62.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.050 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

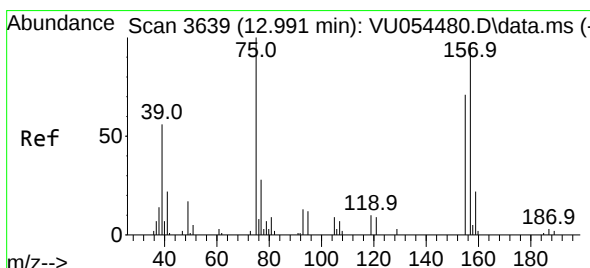
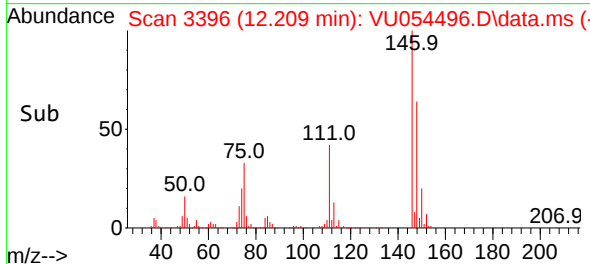
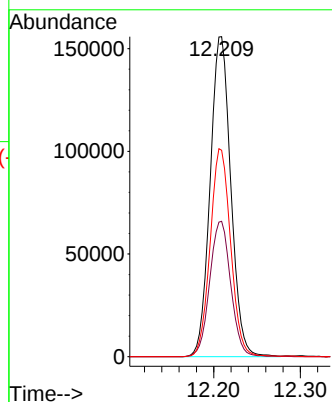
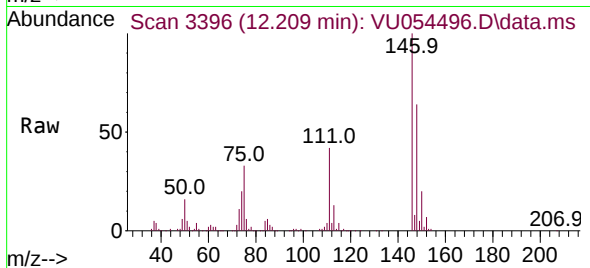
Tgt Ion:146 Resp: 258591

Ion Ratio Lower Upper

146 100

111 42.3 34.5 51.7

148 64.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.133 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054496.D

Acq: 12 Jun 2023 19:13

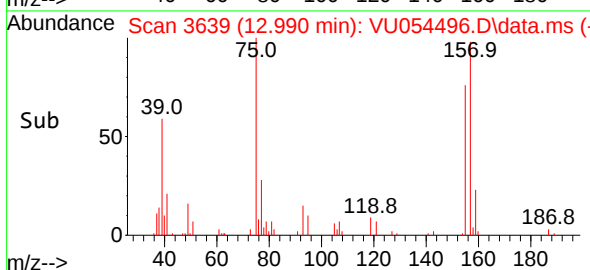
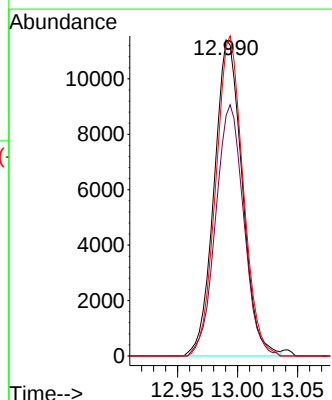
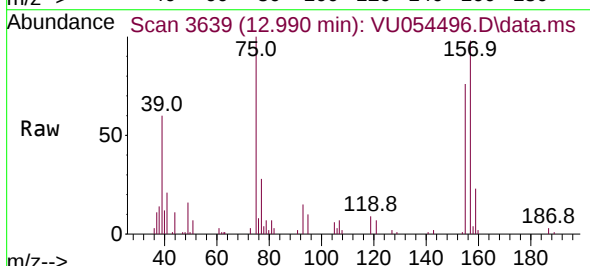
Tgt Ion: 75 Resp: 18560

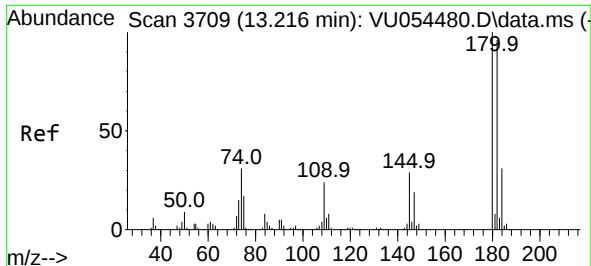
Ion Ratio Lower Upper

75 100

155 76.1 65.7 98.5

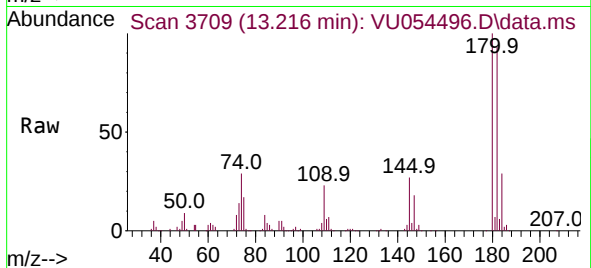
157 98.1 84.2 126.2



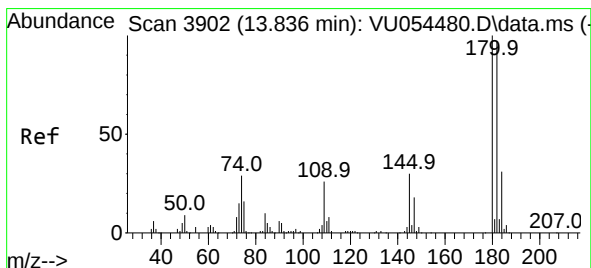
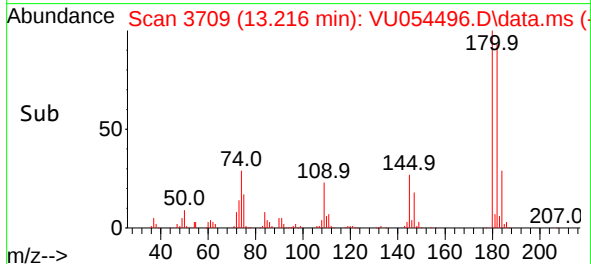
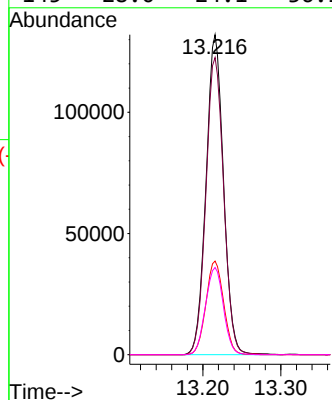


#69
 1,3,5-Trichlorobenzene
 Concen: 4.889 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

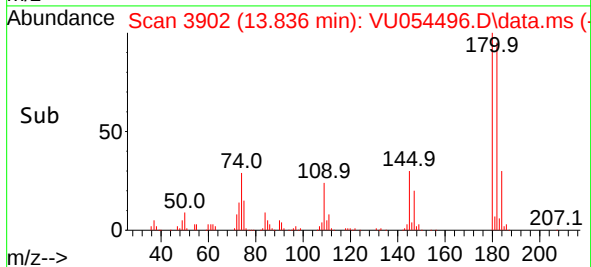
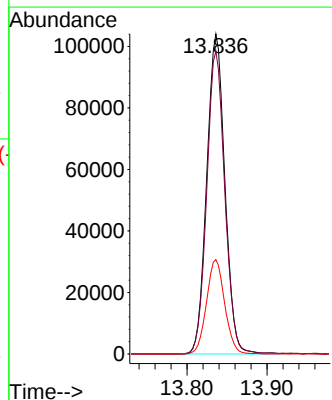
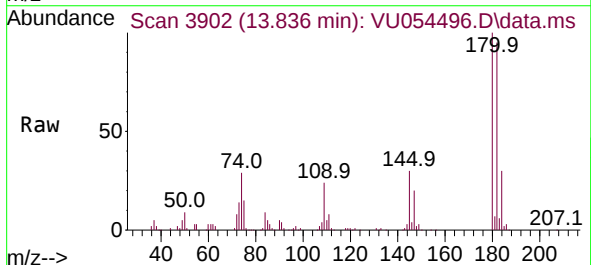


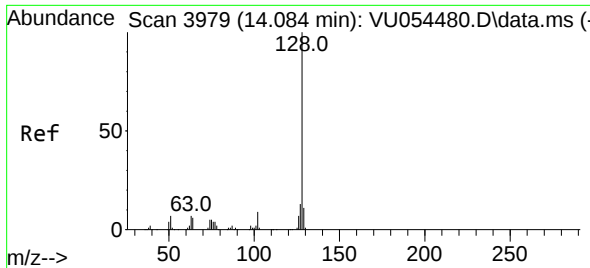
Tgt Ion:180 Resp: 205360
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.0 112.6
 184 29.7 24.1 36.1
 145 28.0 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.734 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054496.D
 Acq: 12 Jun 2023 19:13

Tgt Ion:180 Resp: 164438
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.6 114.8
 145 29.5 24.0 36.0

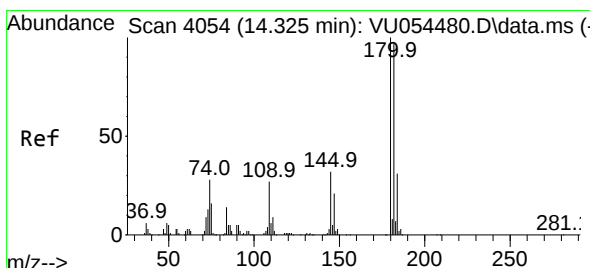
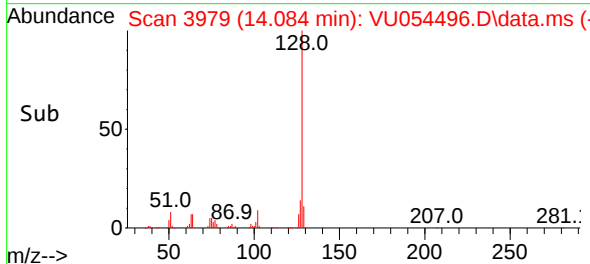
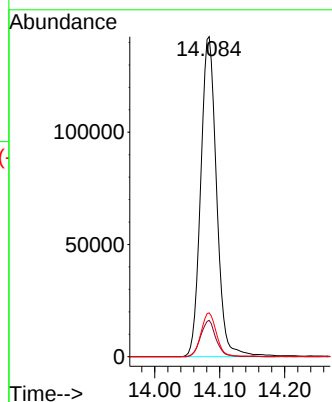
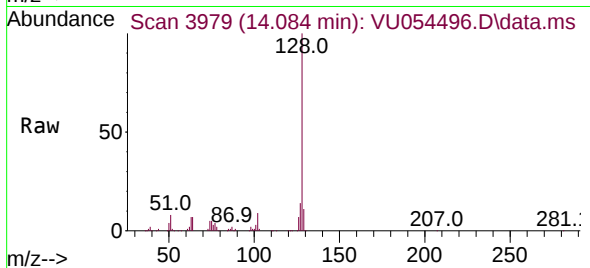




#71
Naphthalene
Concen: 4.310 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

Tgt Ion:128 Resp: 243409
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.781 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054496.D
Acq: 12 Jun 2023 19:13

Tgt Ion:180 Resp: 142673
Ion Ratio Lower Upper
180 100
182 95.3 75.4 113.2
145 31.3 26.0 39.0

