

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072022\
 Data File : VU049796.D
 Acq On : 20 Jul 2022 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Jul 21 04:16:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 04:27:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	178826	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	172795	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	87489	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75605	50.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.220%	
7) Chloroethane-d5	1.903	69	57332	52.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.140%	
11) 1,1-Dichloroethene-d2	2.565	63	132359	49.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.320%	
21) 2-Butanone-d5	4.623	46	140922	109.408	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.410%	
24) Chloroform-d	5.063	84	145947	54.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.220%	
26) 1,2-Dichloroethane-d4	5.700	65	96789	53.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.020%	
32) Benzene-d6	5.726	84	267125	50.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.780%	
36) 1,2-Dichloropropane-d6	6.690	67	93416	52.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 105.820%	
41) Toluene-d8	7.899	98	234276	51.247	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.500%	
43) trans-1,3-Dichloroprop...	8.179	79	39235	52.740	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.480%	
47) 2-Hexanone-d5	8.632	63	79859	100.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 100.550%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131670	53.295	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.580%	
66) 1,2-Dichlorobenzene-d4	12.192	152	83571	50.663	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104888	48.931	ug/L	98
3) Chloromethane	1.520	50	119275	50.699	ug/L	97
5) Vinyl chloride	1.600	62	103815	48.834	ug/L	99
6) Bromomethane	1.842	94	51779	52.716	ug/L	98
8) Chloroethane	1.925	64	59650	50.652	ug/L	99
9) Trichlorofluoromethane	2.131	101	137369	52.323	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	72038	52.292	ug/L	99
12) 1,1-Dichloroethene	2.575	96	64882	50.747	ug/L	91
13) Acetone	2.626	43	167483	136.822	ug/L	98
14) Carbon disulfide	2.790	76	191099	44.323	ug/L	99
15) Methyl Acetate	2.948	43	118380	59.526	ug/L	99
16) Methylene chloride	3.041	84	88622	55.043	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	71723	51.280	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	264715	55.256	ug/L	100
19) 1,1-Dichloroethane	3.867	63	160431	55.096	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	85873	54.629	ug/L	95
22) 2-Butanone	4.700	43	208838	127.428	ug/L	100
23) Bromochloromethane	4.973	128	45341	57.808	ug/L	91
25) Chloroform	5.086	83	169197	57.947	ug/L	98

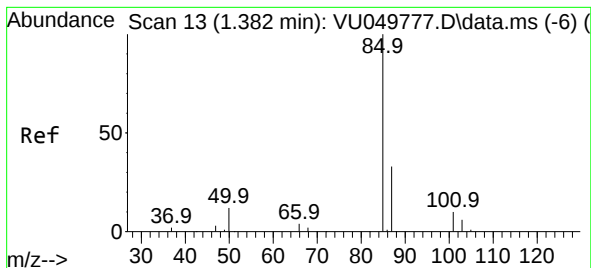
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072022\
 Data File : VU049796.D
 Acq On : 20 Jul 2022 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Jul 21 04:16:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 04:27:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	137854	55.446	ug/L	100
29) Cyclohexane	5.388	56	128206	47.534	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	138110	55.209	ug/L	98
31) Carbon tetrachloride	5.523	117	113359	55.405	ug/L	100
33) Benzene	5.774	78	349671	53.836	ug/L	100
34) Trichloroethene	6.542	95	81968	52.208	ug/L	97
35) Methylcyclohexane	6.764	83	120483	48.835	ug/L	97
37) 1,2-Dichloropropane	6.790	63	98661	54.803	ug/L	99
38) Bromodichloromethane	7.105	83	124907	55.961	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	138819	57.175	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	329380	113.017	ug/L	99
42) Toluene	7.970	91	352908	54.670	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	131866	57.843	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89198	56.764	ug/L	99
46) Tetrachloroethene	8.552	164	58302	53.542	ug/L	99
48) 2-Hexanone	8.684	43	278538	119.596	ug/L	99
49) Dibromochloromethane	8.809	129	95091	60.166	ug/L	95
50) 1,2-Dibromoethane	8.925	107	93085	59.634	ug/L	98
51) Chlorobenzene	9.446	112	210527	53.855	ug/L	99
52) Ethylbenzene	9.571	91	363238	53.324	ug/L	100
53) m,p-Xylene	9.693	106	135766	54.811	ug/L	95
54) o-Xylene	10.098	106	136354	54.671	ug/L	96
55) Styrene	10.115	104	231875	56.335	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	159519	56.711	ug/L	98
59) Bromoform	10.291	173	68040	57.983	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	128987	55.351	ug/L	99
61) Isopropylbenzene	10.484	105	348925	53.412	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	296852	53.871	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	297685	54.378	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	156711	54.952	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	152377	53.192	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	162104	54.666	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.995	75	38745	56.742	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	108286	54.189	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	93785	51.142	ug/L	99
71) Naphthalene	14.085	128	330780	50.458	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	102673	54.051	ug/L	100

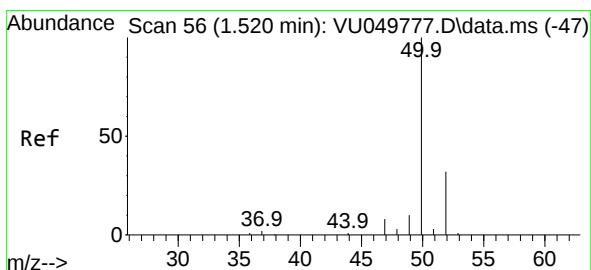
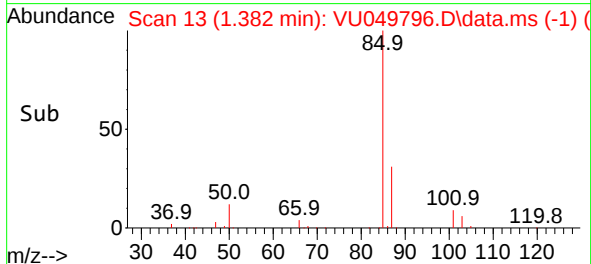
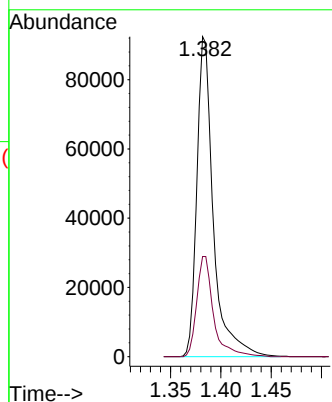
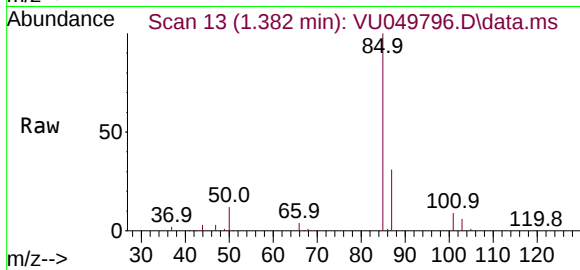
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 48.931 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

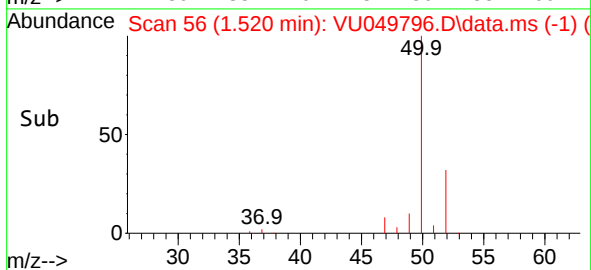
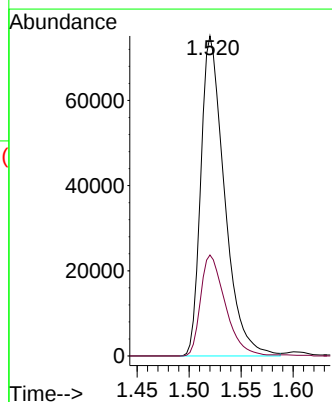
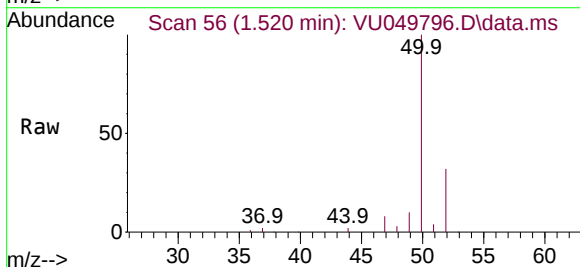
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

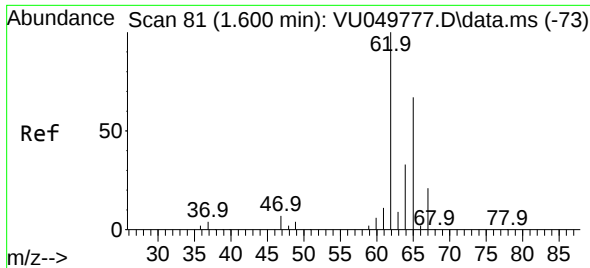
Tgt Ion: 85 Resp: 104888
Ion Ratio Lower Upper
85 100
87 32.0 26.3 39.5



#3
Chloromethane
Concen: 50.699 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 50 Resp: 119275
Ion Ratio Lower Upper
50 100
52 31.6 23.2 43.0

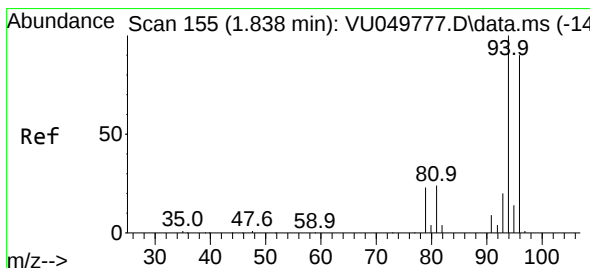
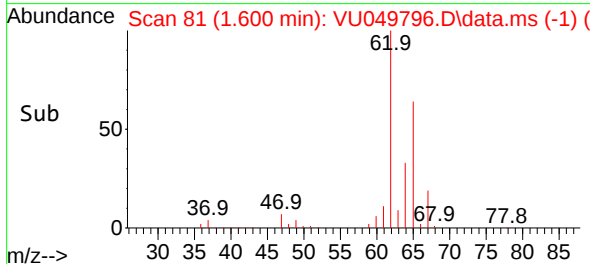
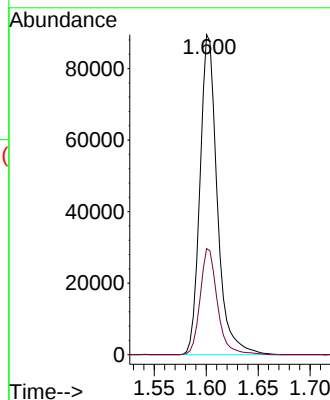
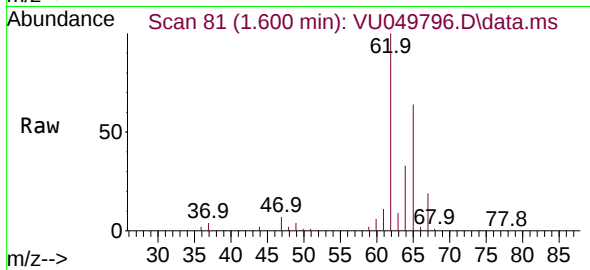




#5
 Vinyl chloride
 Concen: 48.834 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

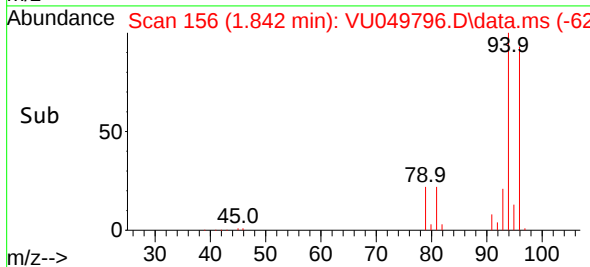
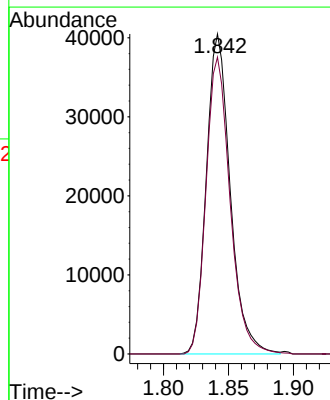
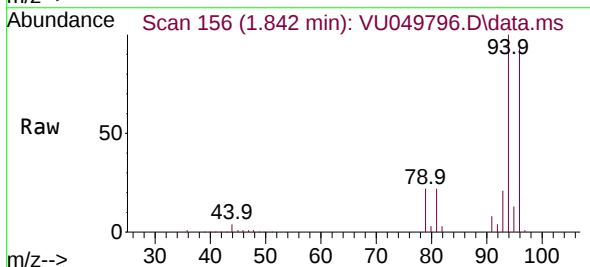
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

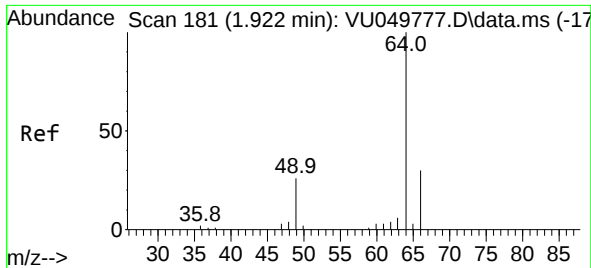
Tgt Ion: 62 Resp: 103815
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.0 42.6



#6
 Bromomethane
 Concen: 52.716 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.003 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

Tgt Ion: 94 Resp: 51779
 Ion Ratio Lower Upper
 94 100
 96 92.7 66.1 122.7

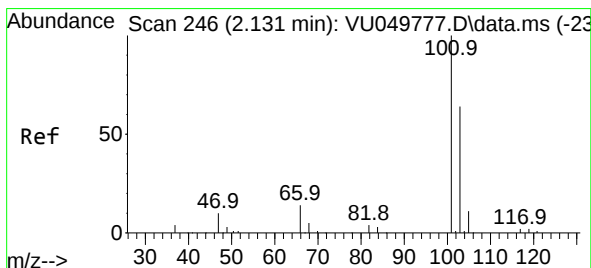
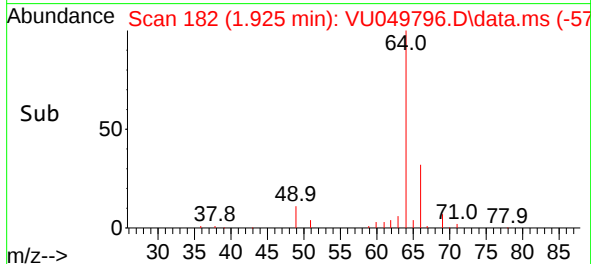
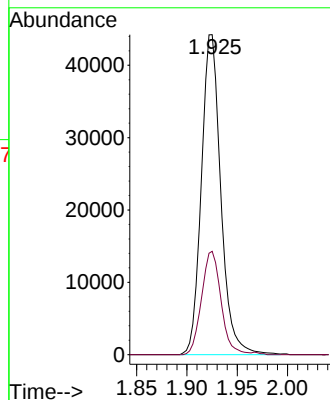
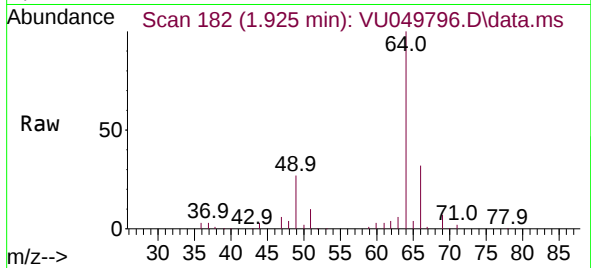




#8
Chloroethane
Concen: 50.652 ug/L
RT: 1.925 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

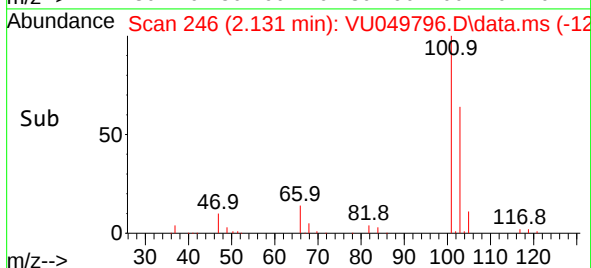
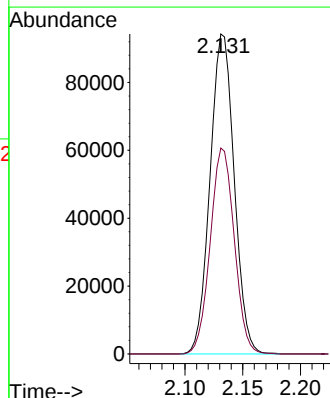
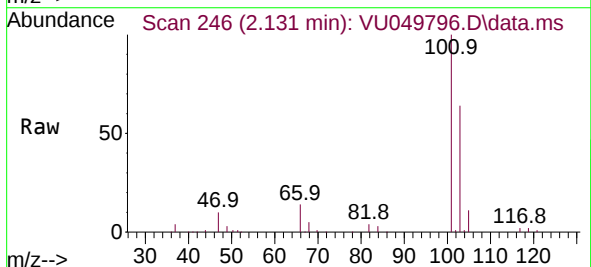
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

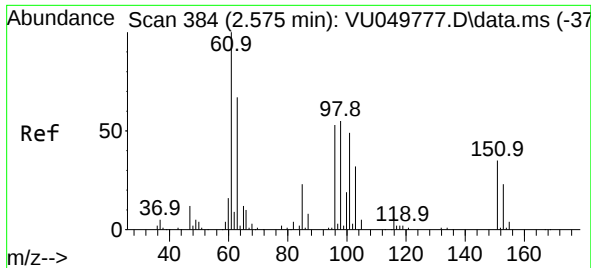
Tgt Ion: 64 Resp: 59650
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 52.323 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion:101 Resp: 137369
Ion Ratio Lower Upper
101 100
103 63.9 52.2 78.4

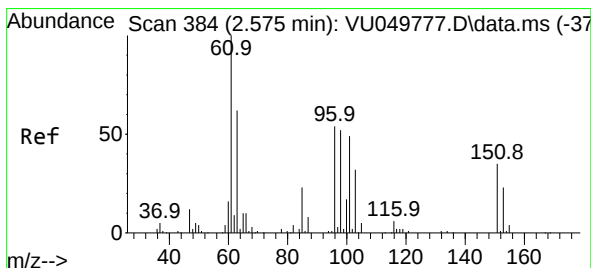
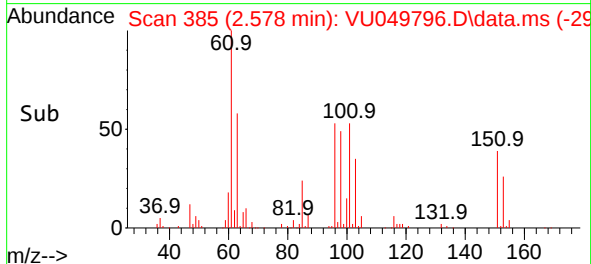
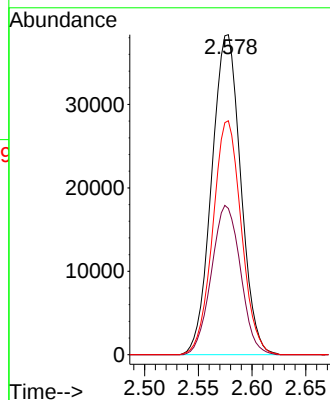
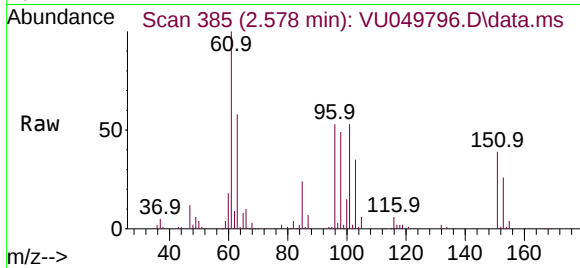




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.292 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

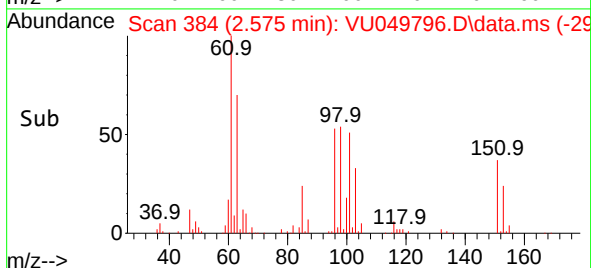
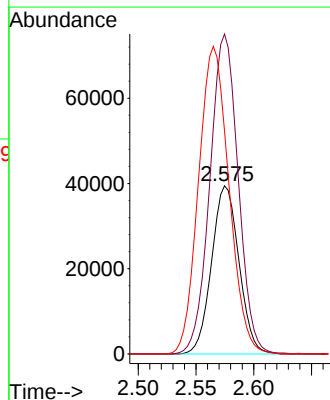
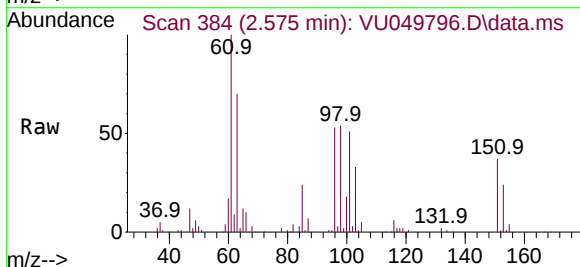
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

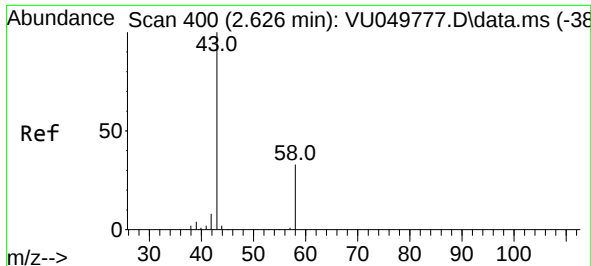
Tgt Ion:101 Resp: 72038
Ion Ratio Lower Upper
101 100
85 46.8 37.3 55.9
151 72.0 56.9 85.3



#12
1,1-Dichloroethene
Concen: 50.747 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 96 Resp: 64882
Ion Ratio Lower Upper
96 100
61 190.2 129.6 240.6
63 132.6 79.0 146.6





#13

Acetone

Concen: 136.822 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

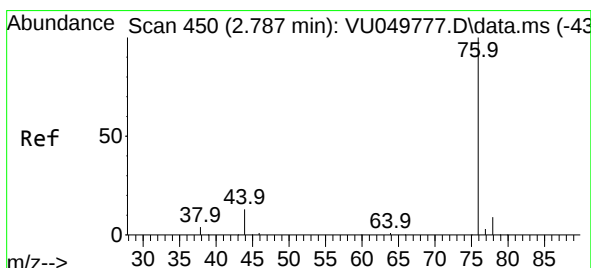
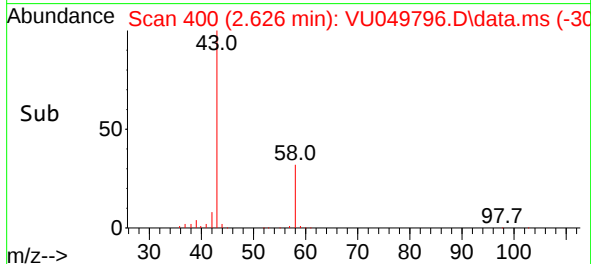
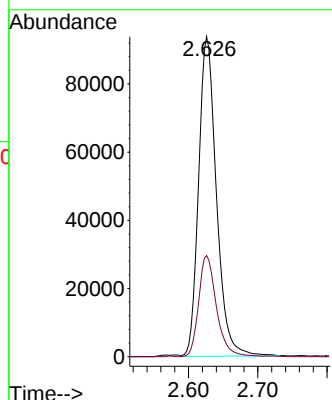
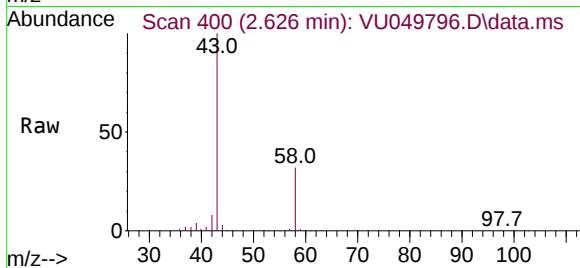
VSTD050171

Tgt Ion: 43 Resp: 167483

Ion Ratio Lower Upper

43 100

58 31.6 0.0 61.4



#14

Carbon disulfide

Concen: 44.323 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU049796.D

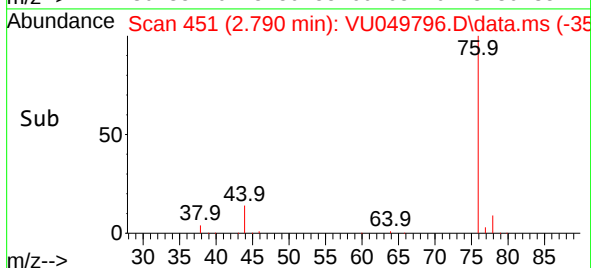
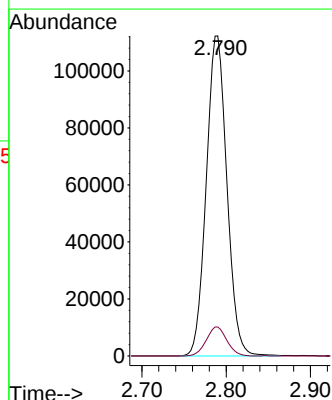
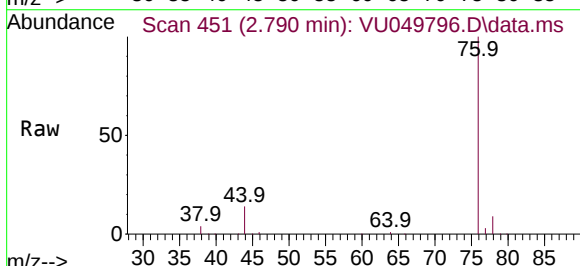
Acq: 20 Jul 2022 09:36

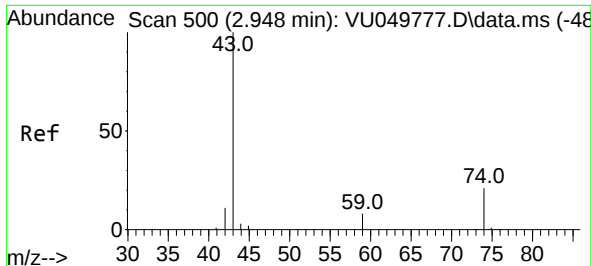
Tgt Ion: 76 Resp: 191099

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

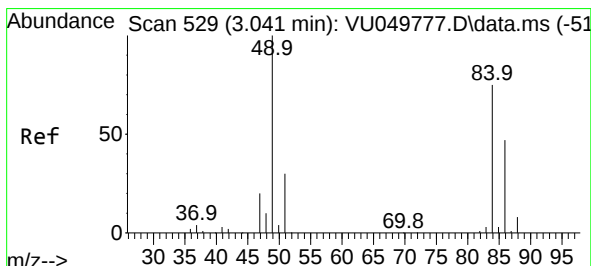
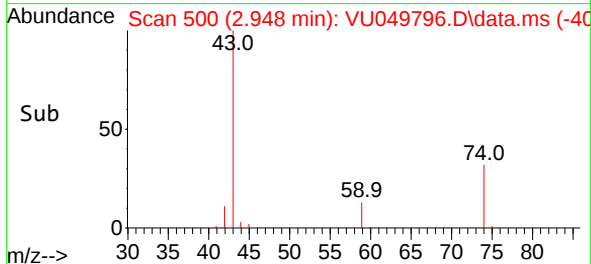
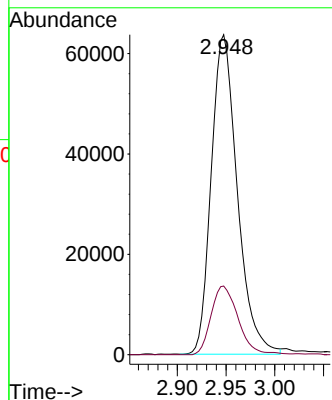
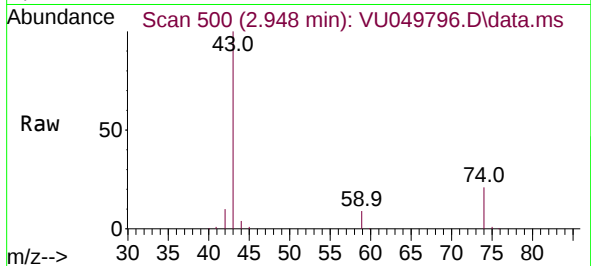




#15
Methyl Acetate
Concen: 59.526 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

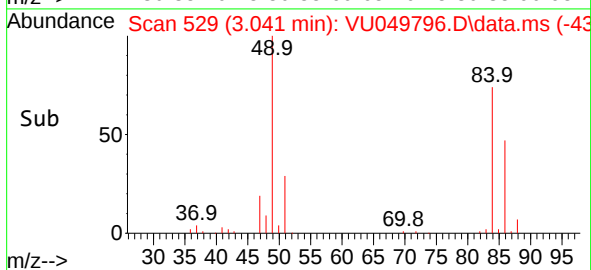
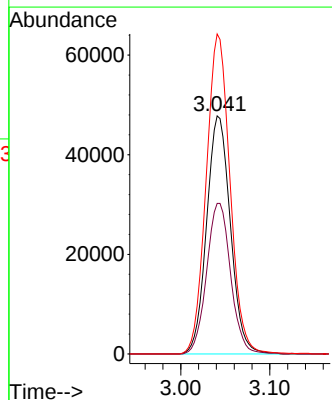
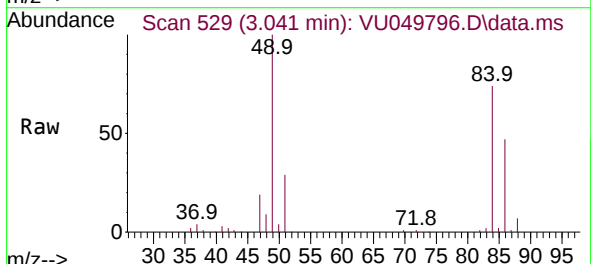
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

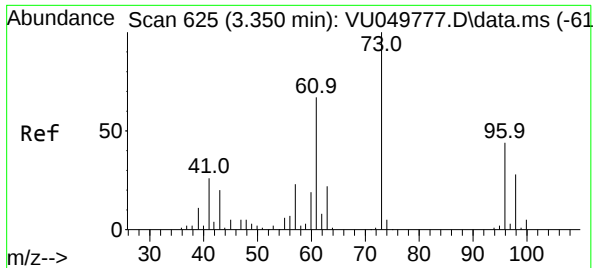
Tgt Ion: 43 Resp: 118380
Ion Ratio Lower Upper
43 100
74 21.9 17.4 26.0



#16
Methylene chloride
Concen: 55.043 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 84 Resp: 88622
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.6
49 134.4 94.4 175.4

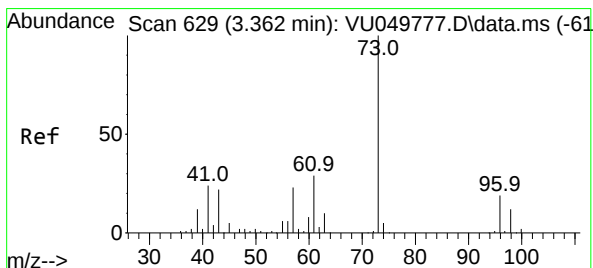
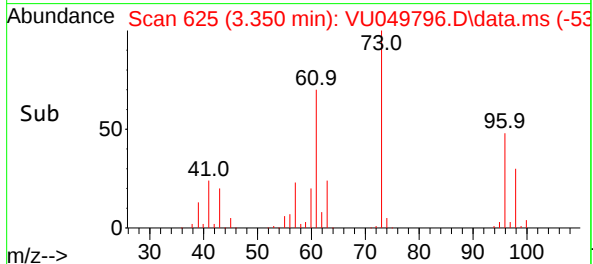
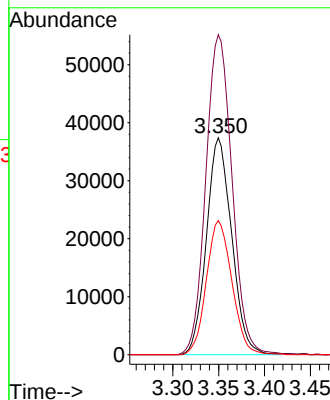
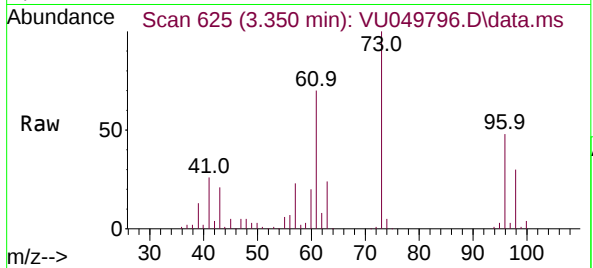




#17
trans-1,2-Dichloroethene
Concen: 51.280 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

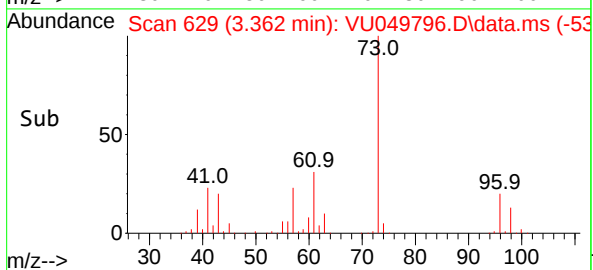
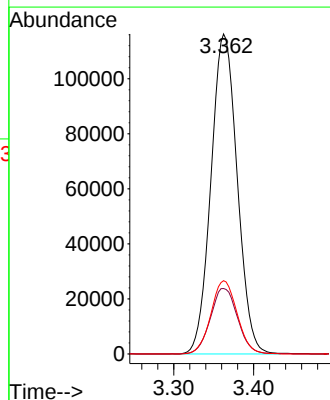
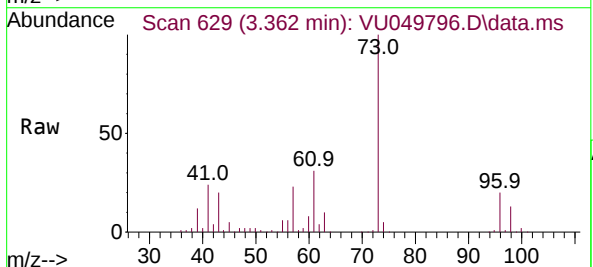
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

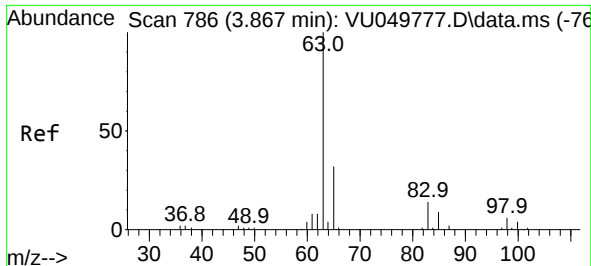
Tgt Ion: 96 Resp: 71723
Ion Ratio Lower Upper
96 100
61 147.5 107.6 199.8
98 61.8 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 55.256 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 73 Resp: 264715
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.4
57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 55.096 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

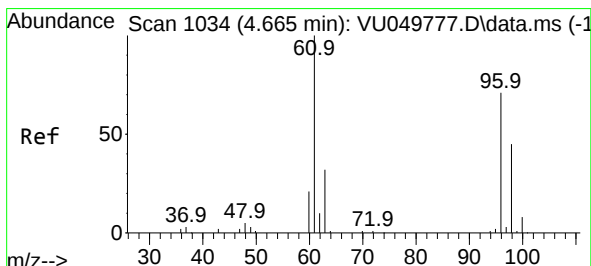
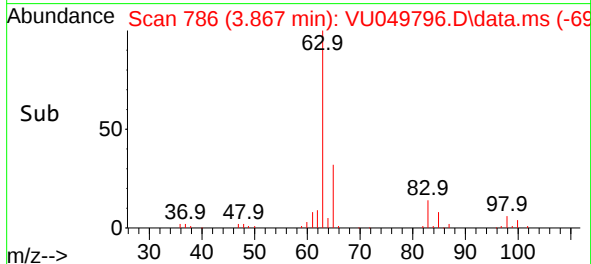
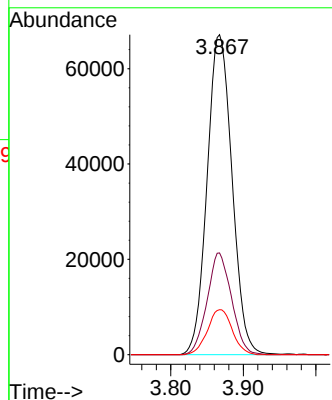
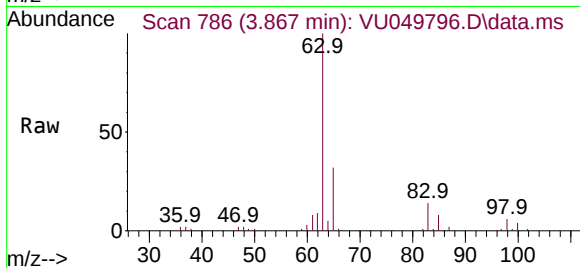
Tgt Ion: 63 Resp: 160431

Ion Ratio Lower Upper

63 100

65 31.8 22.6 42.0

83 14.0 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 54.629 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

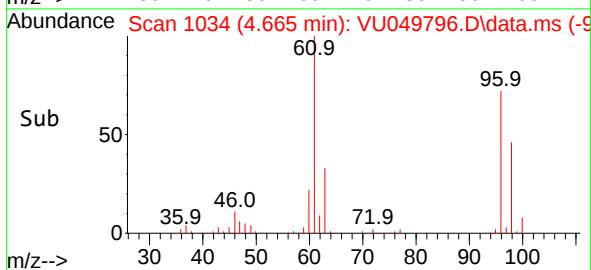
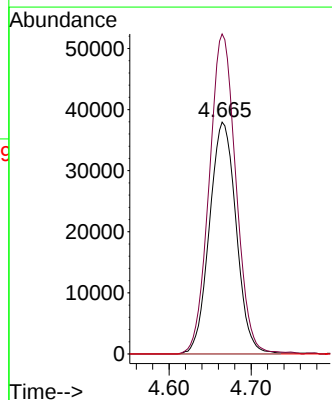
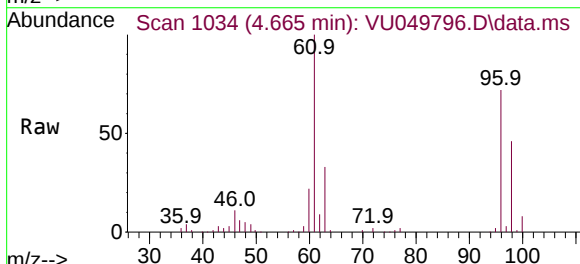
Tgt Ion: 96 Resp: 85873

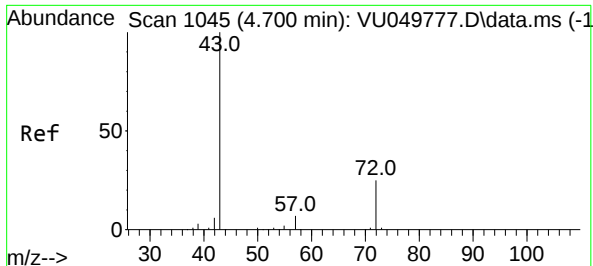
Ion Ratio Lower Upper

96 100

61 138.0 101.1 187.7

68 0.0 0.0 0.0

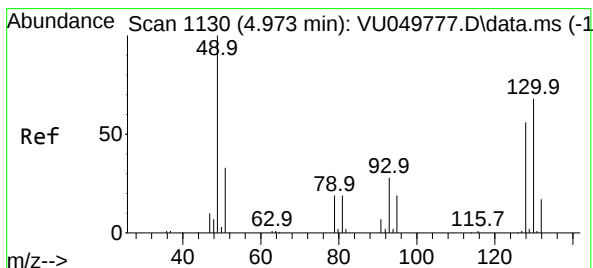
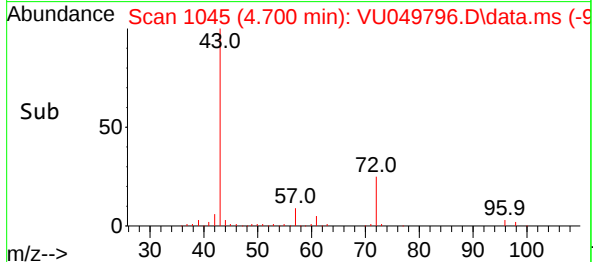
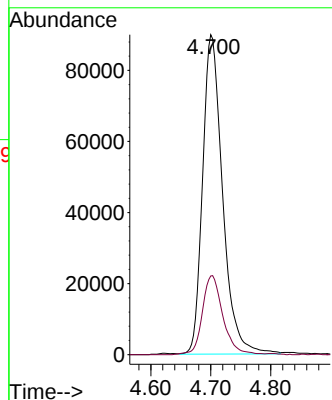
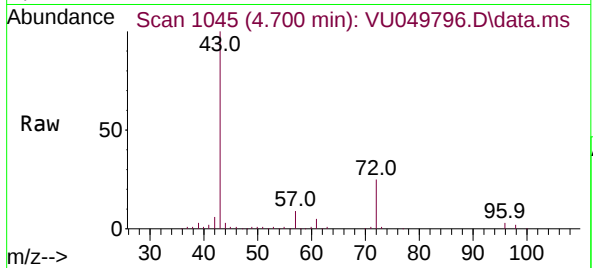




#22
2-Butanone
Concen: 127.428 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

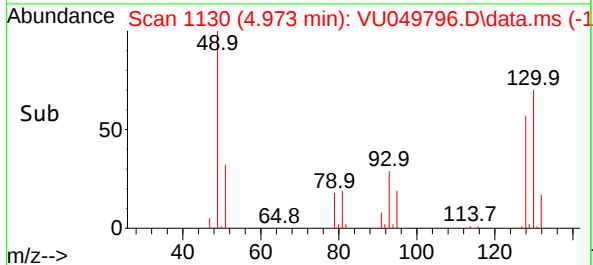
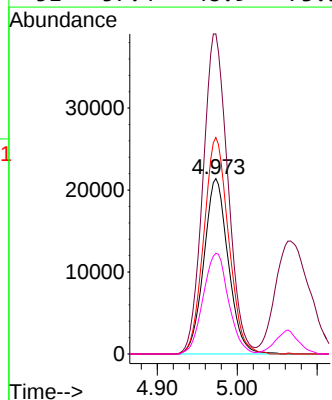
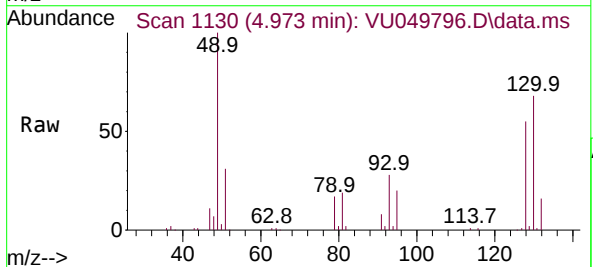
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

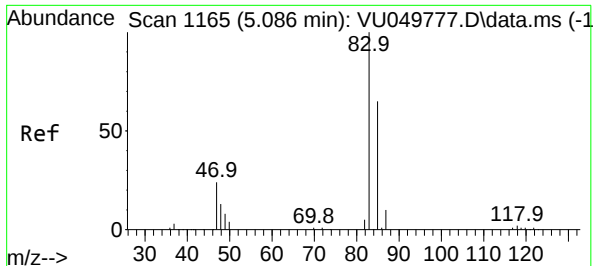
Tgt Ion: 43 Resp: 208838
Ion Ratio Lower Upper
43 100
72 25.3 12.7 38.0



#23
Bromochloromethane
Concen: 57.808 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion:128 Resp: 45341
Ion Ratio Lower Upper
128 100
49 182.4 140.9 261.7
130 123.4 90.0 167.2
51 57.4 48.9 73.3

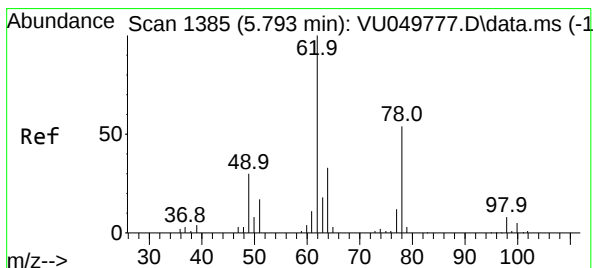
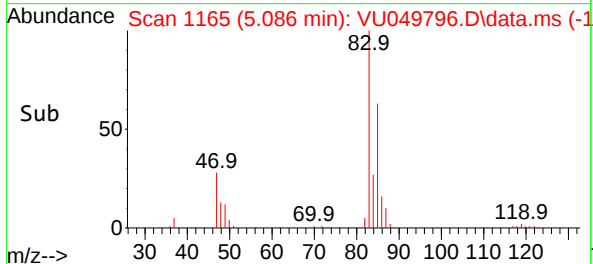
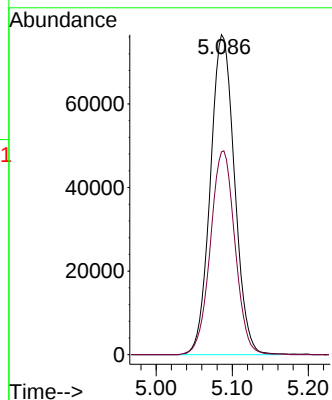
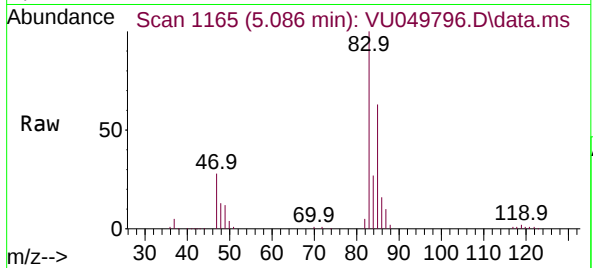




#25
Chloroform
Concen: 57.947 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

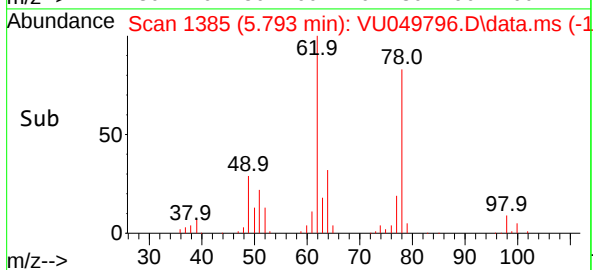
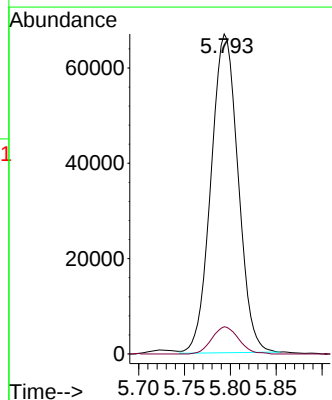
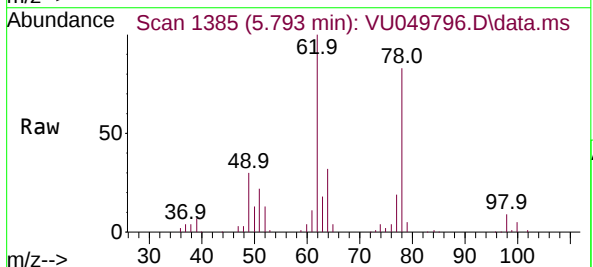
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

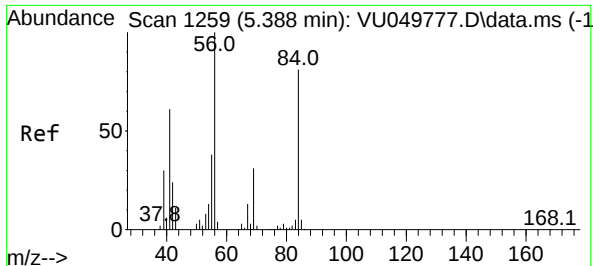
Tgt Ion: 83 Resp: 169197
Ion Ratio Lower Upper
83 100
85 63.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 55.446 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 62 Resp: 137854
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#29

Cyclohexane

Concen: 47.534 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

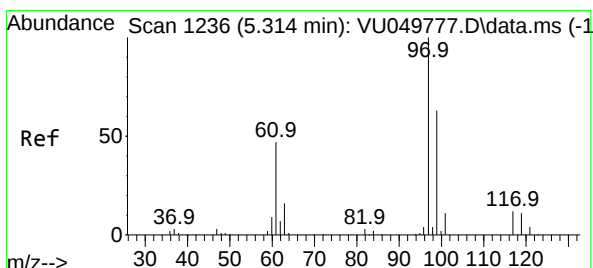
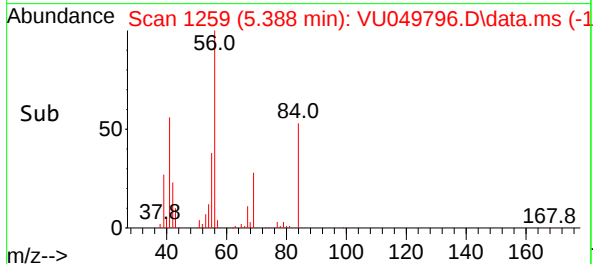
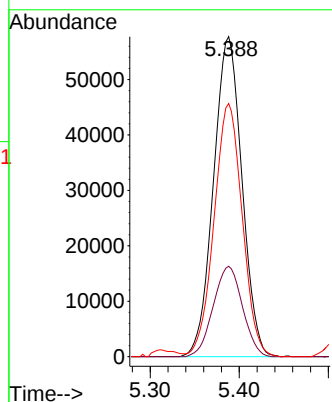
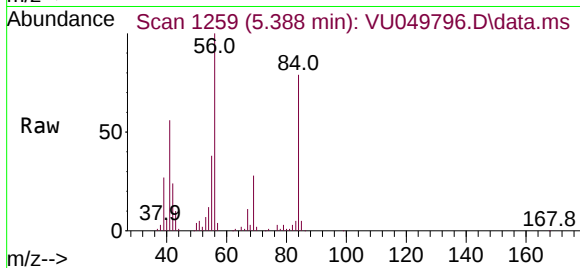
Tgt Ion: 56 Resp: 128206

Ion Ratio Lower Upper

56 100

69 28.9 23.4 35.2

84 78.4 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 55.209 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

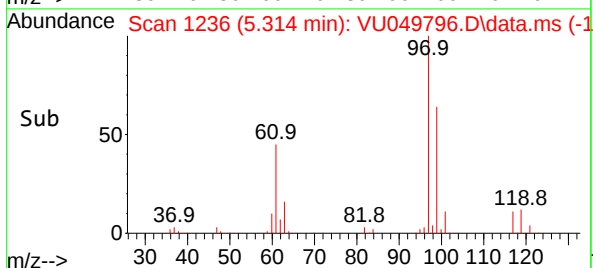
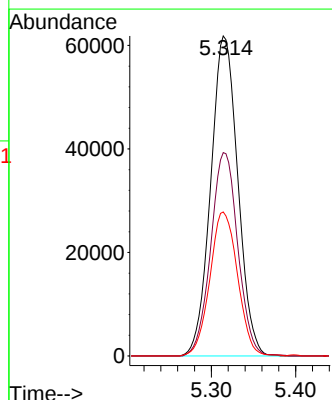
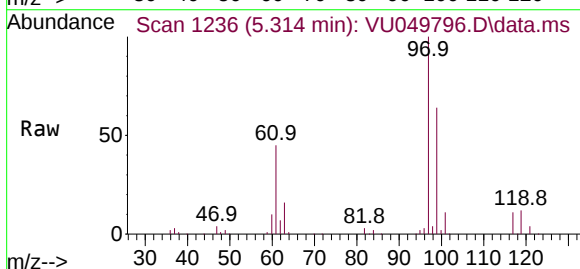
Tgt Ion: 97 Resp: 138110

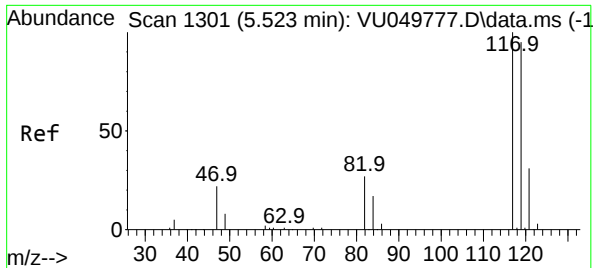
Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 46.0 38.2 57.2

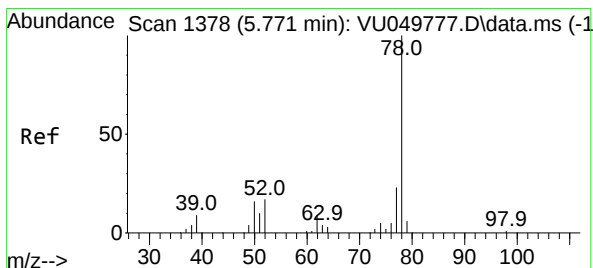
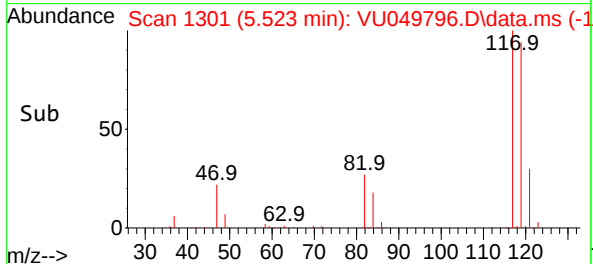
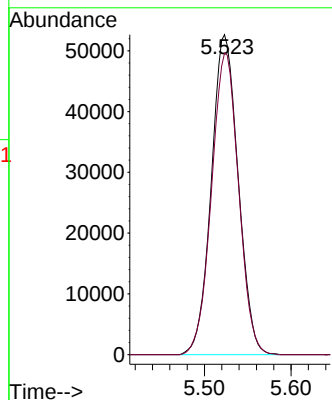
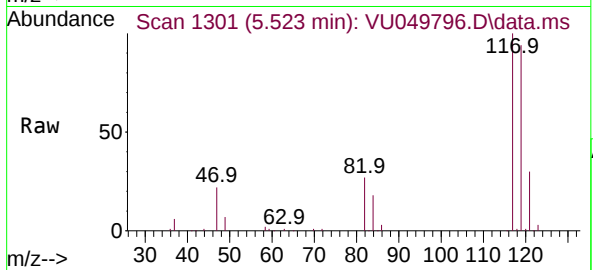




#31
Carbon tetrachloride
Concen: 55.405 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

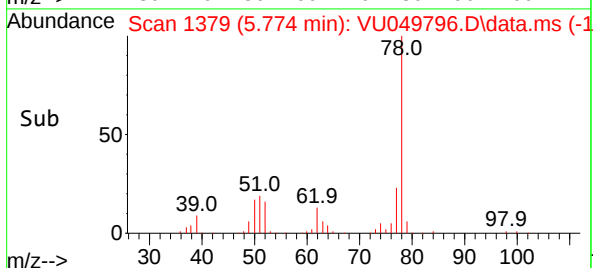
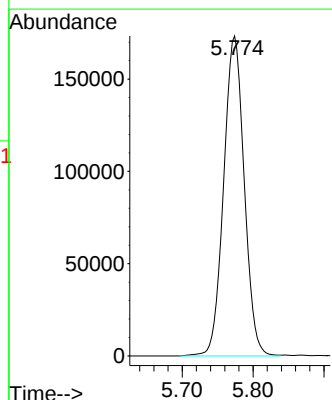
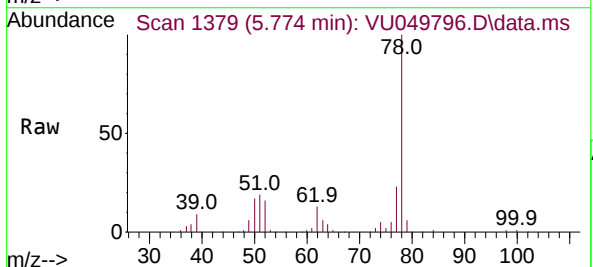
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

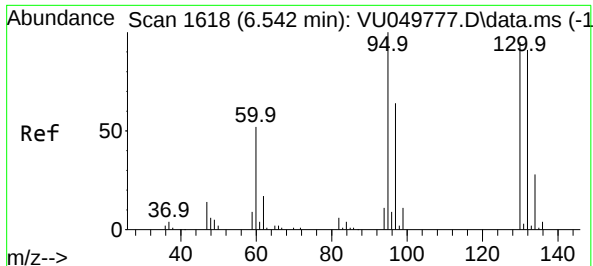
Tgt Ion:117 Resp: 113359
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.8



#33
Benzene
Concen: 53.836 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 78 Resp: 349671



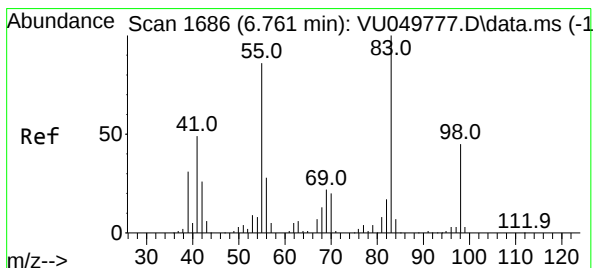
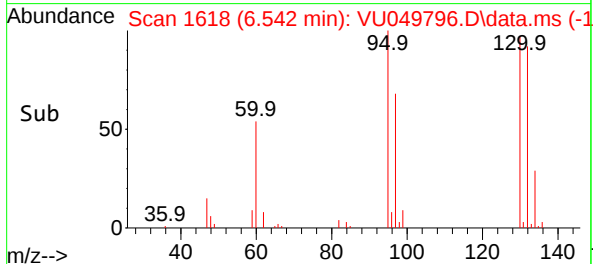
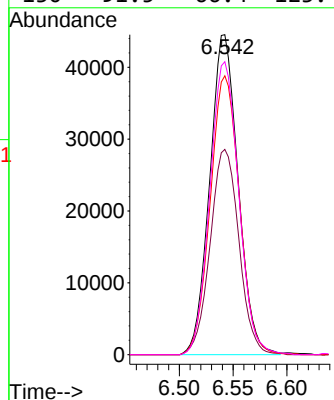
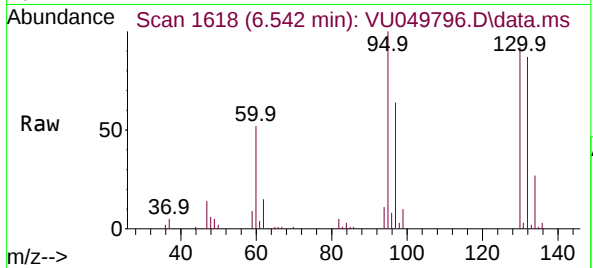


#34
Trichloroethene
Concen: 52.208 ug/L
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

Tgt Ion: 95 Resp: 81968

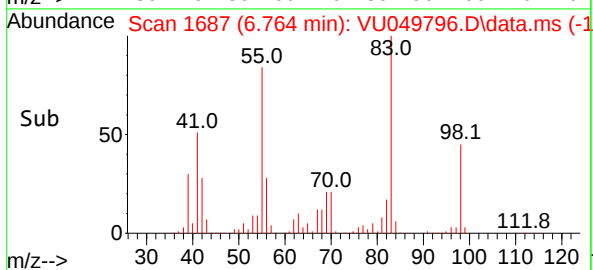
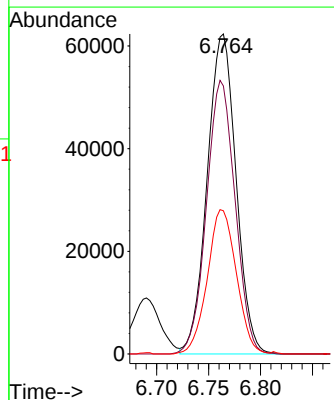
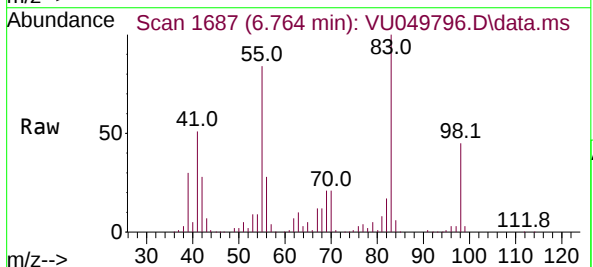
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.9	87.1
132	87.1	62.7	116.5
130	91.5	66.4	123.4

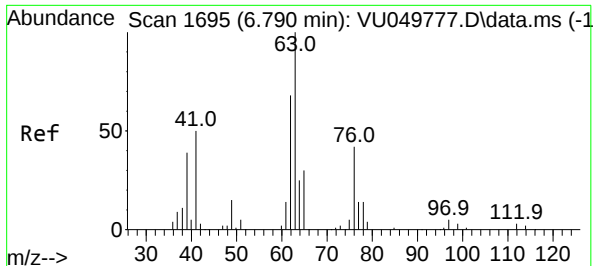


#35
Methylcyclohexane
Concen: 48.835 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 83 Resp: 120483

Ion	Ratio	Lower	Upper
83	100		
55	84.7	66.0	99.0
98	45.4	34.6	51.8

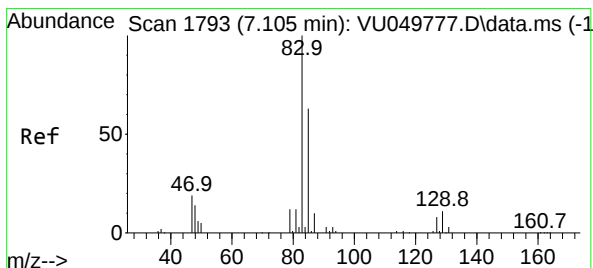
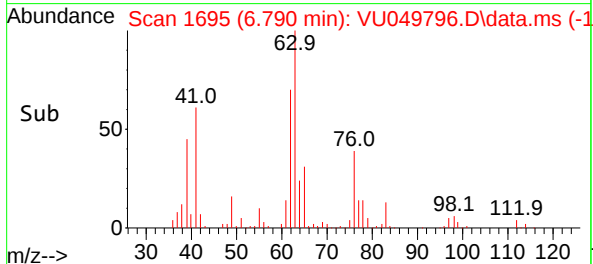
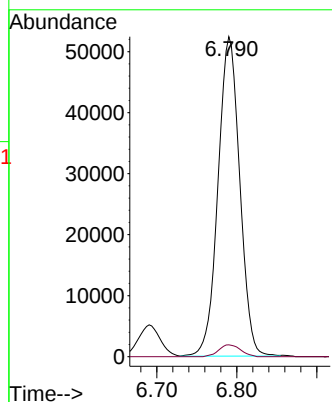
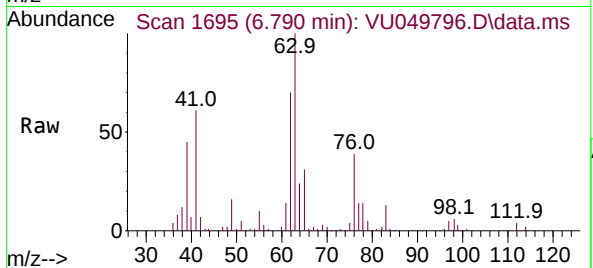




#37
1,2-Dichloropropane
Concen: 54.803 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

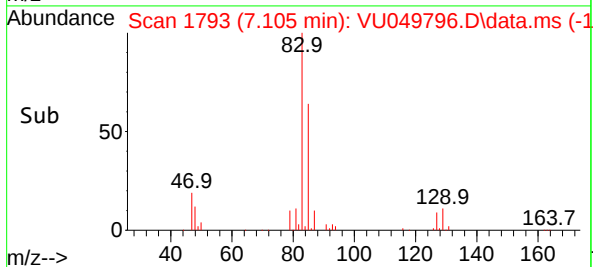
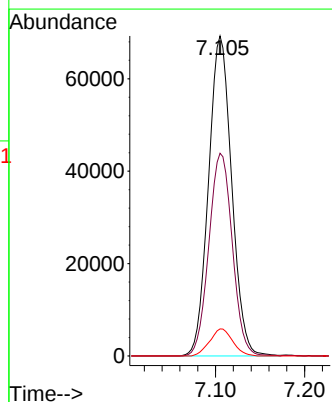
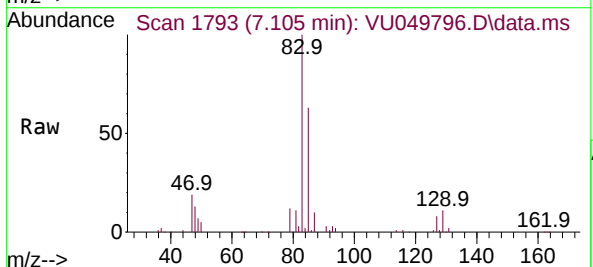
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

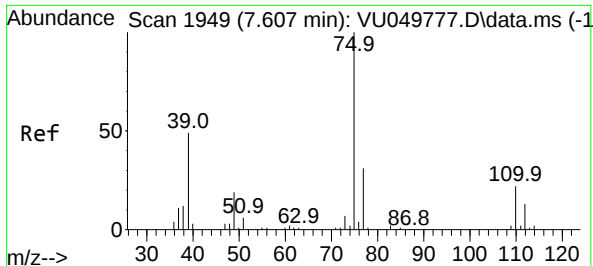
Tgt Ion: 63 Resp: 98661
Ion Ratio Lower Upper
63 100
112 3.7 2.8 4.2



#38
Bromodichloromethane
Concen: 55.961 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 83 Resp: 124907
Ion Ratio Lower Upper
83 100
85 63.4 45.4 84.2
127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 57.175 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

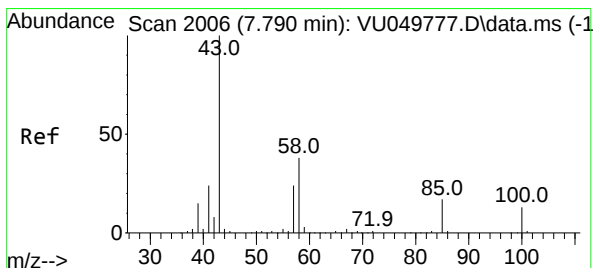
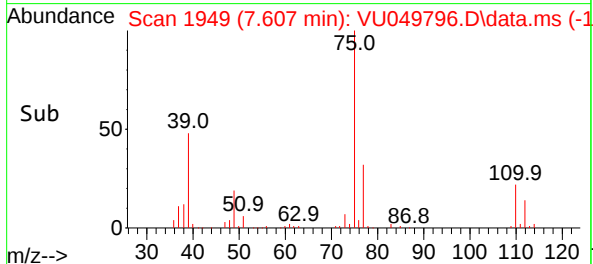
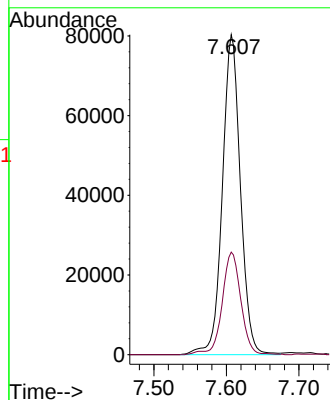
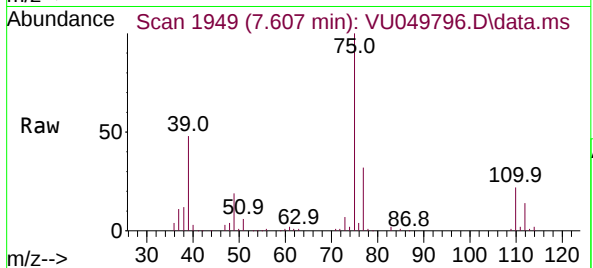
VSTD050171

Tgt Ion: 75 Resp: 138819

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 113.017 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

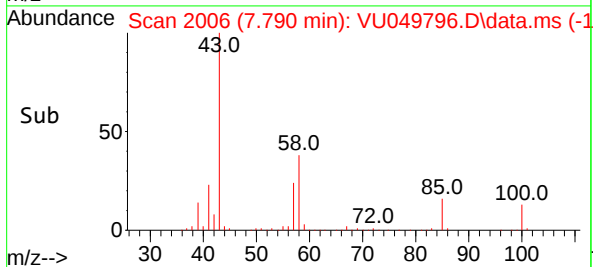
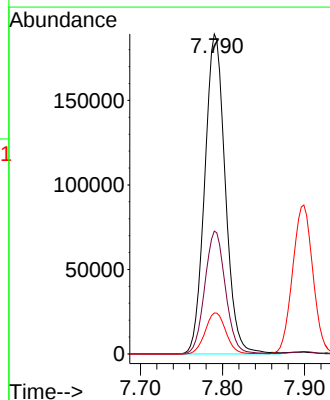
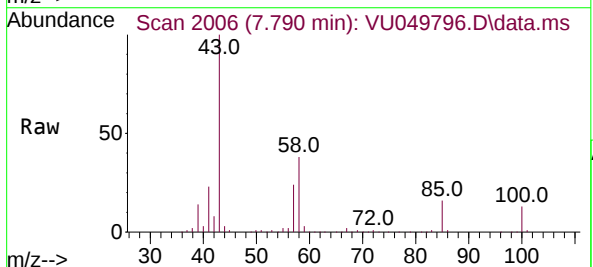
Tgt Ion: 43 Resp: 329380

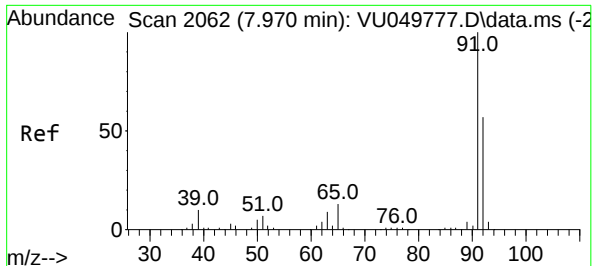
Ion Ratio Lower Upper

43 100

58 38.7 31.4 47.0

100 12.9 10.3 15.5





#42

Toluene

Concen: 54.670 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

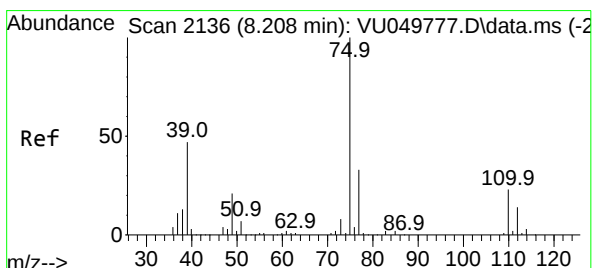
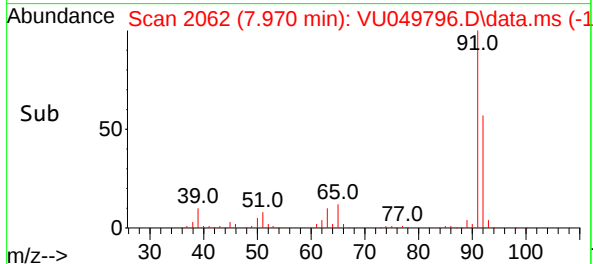
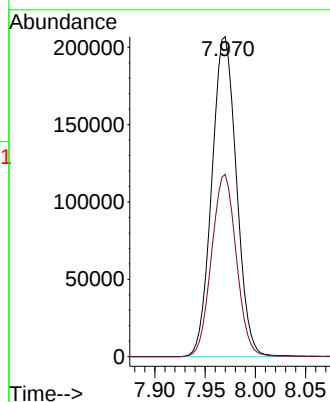
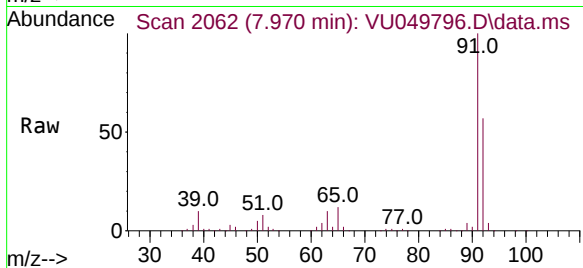
VSTD050171

Tgt Ion: 91 Resp: 352908

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 57.843 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049796.D

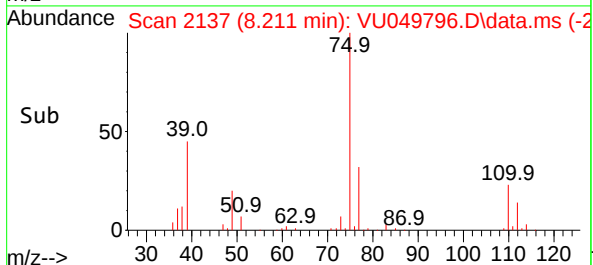
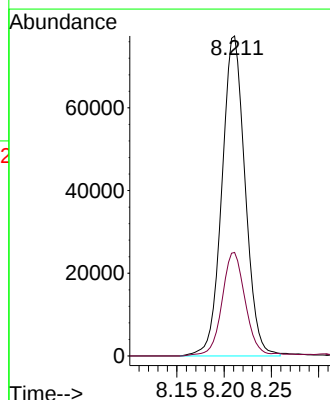
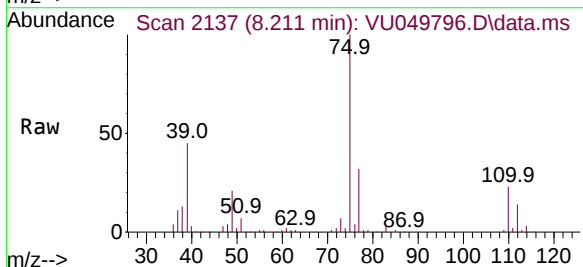
Acq: 20 Jul 2022 09:36

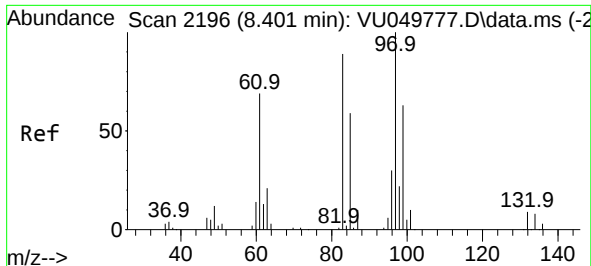
Tgt Ion: 75 Resp: 131866

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



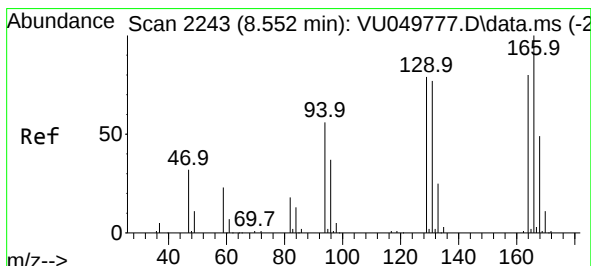
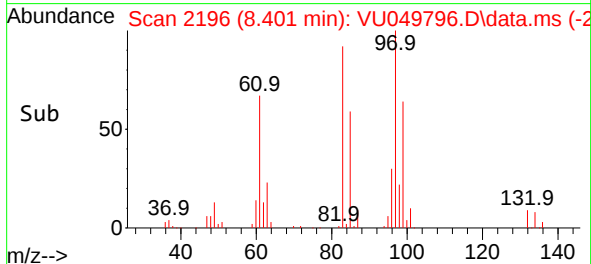
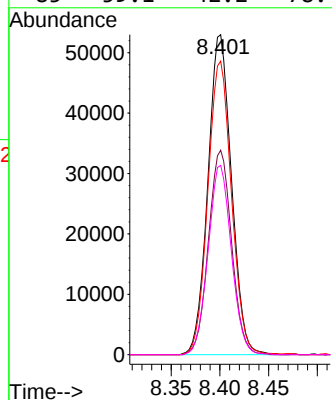
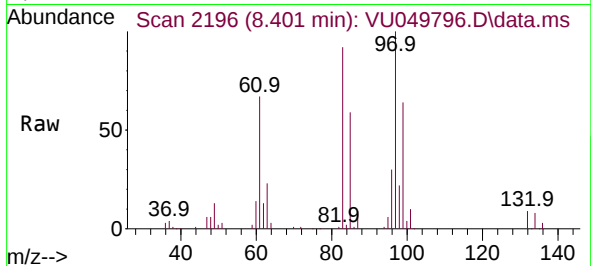


#45
1,1,2-Trichloroethane
Concen: 56.764 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

Tgt Ion: 97 Resp: 89198

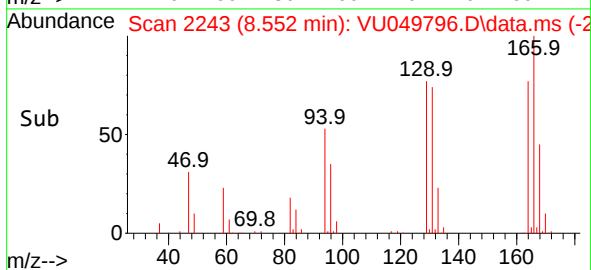
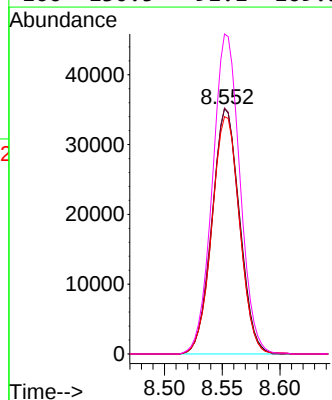
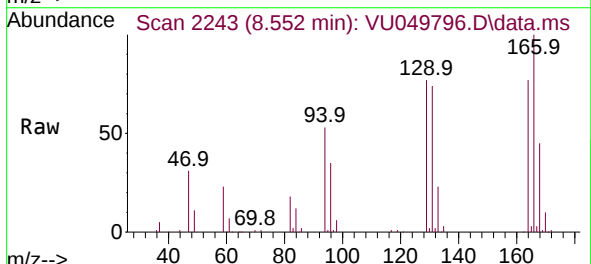
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.3	82.3
83	91.8	64.0	118.8
85	59.1	42.2	78.4

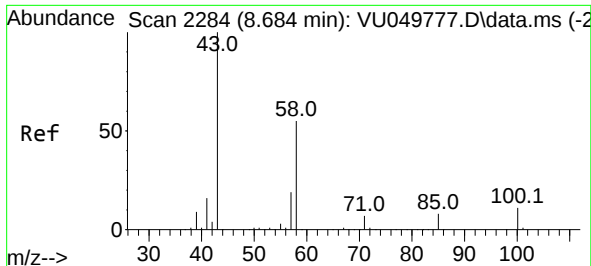


#46
Tetrachloroethene
Concen: 53.542 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 164 Resp: 58302

Ion	Ratio	Lower	Upper
164	100		
129	100.3	72.0	133.8
131	96.7	69.0	128.1
166	130.5	91.1	169.3

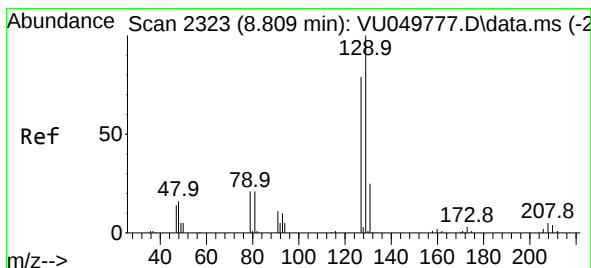
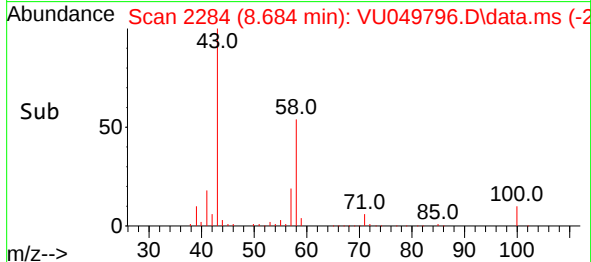
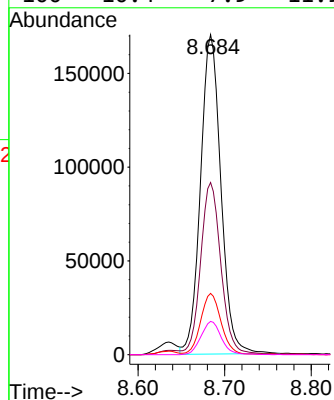
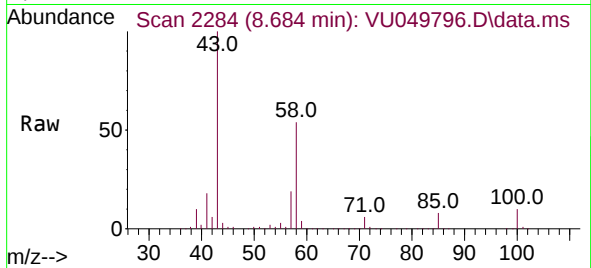




#48
2-Hexanone
Concen: 119.596 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

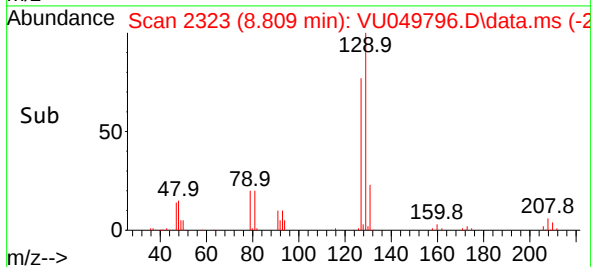
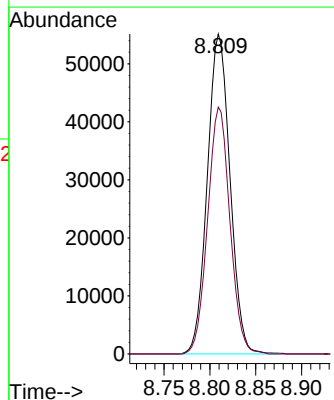
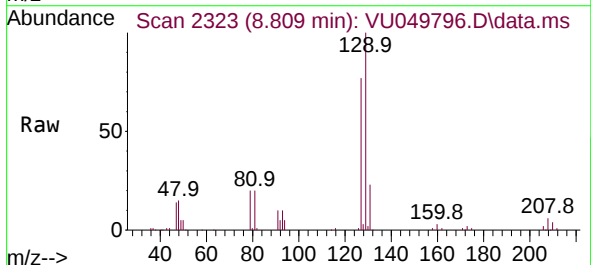
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

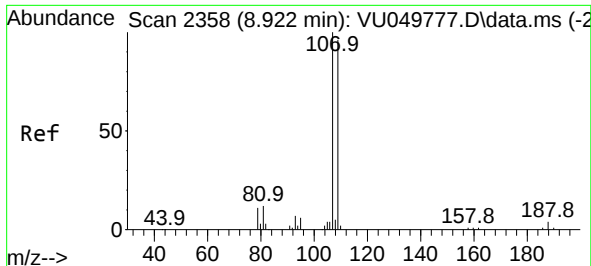
Tgt Ion: 43	Resp: 278538
Ion Ratio	Lower Upper
43 100	
58 53.0	42.6 64.0
57 19.1	15.0 22.6
100 10.4	7.9 11.9



#49
Dibromochloromethane
Concen: 60.166 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion:129	Resp:	95091	
Ion	Ratio	Lower	Upper
129	100		
127	77.2	56.9	105.7





#50

1,2-Dibromoethane

Concen: 59.634 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

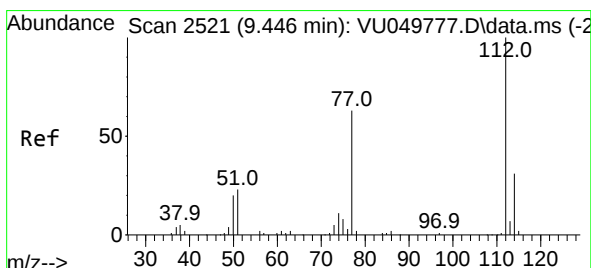
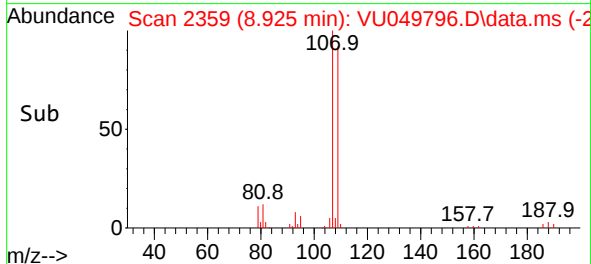
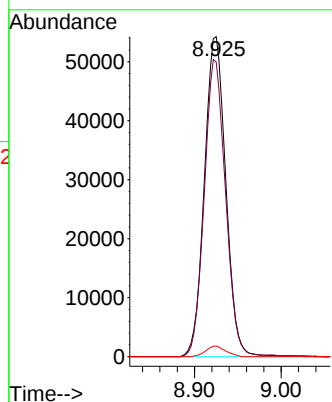
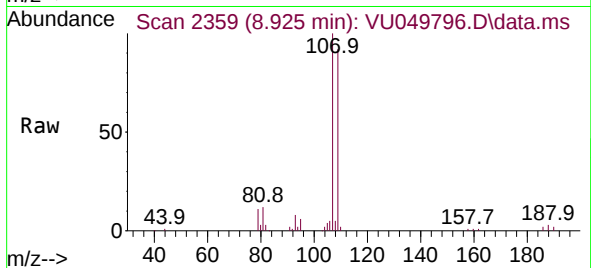
Tgt Ion:107 Resp: 93085

Ion Ratio Lower Upper

107 100

109 92.1 65.7 121.9

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 53.855 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

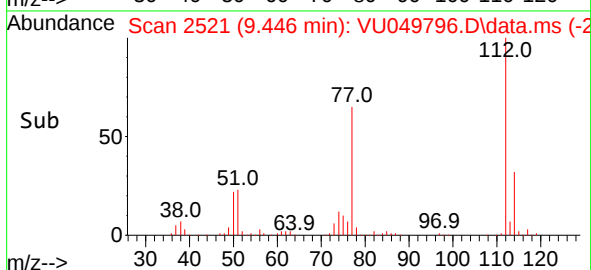
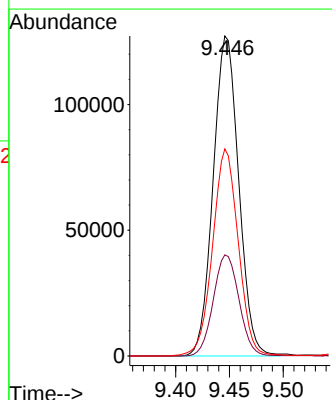
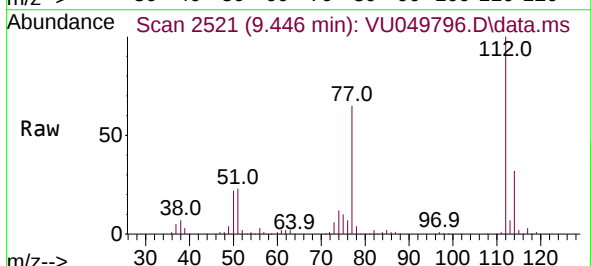
Tgt Ion:112 Resp: 210527

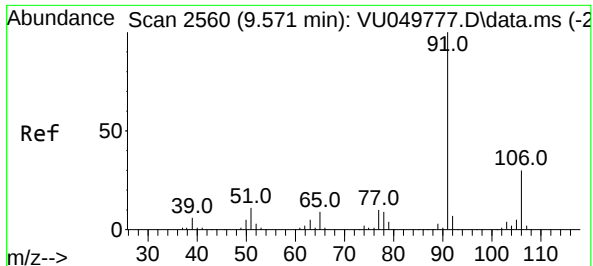
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 64.7 51.2 76.8

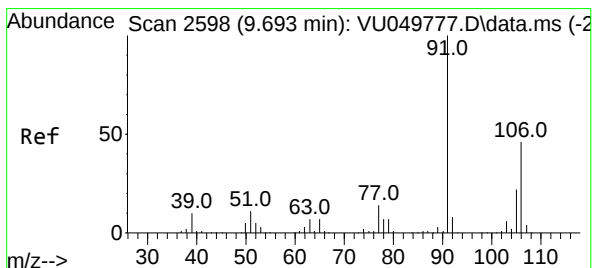
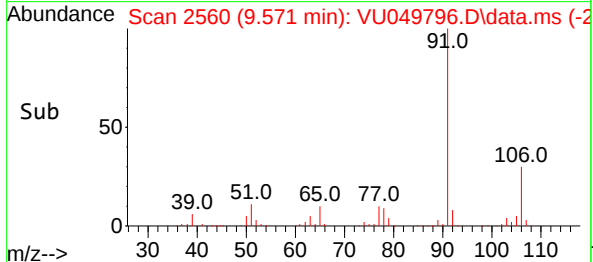
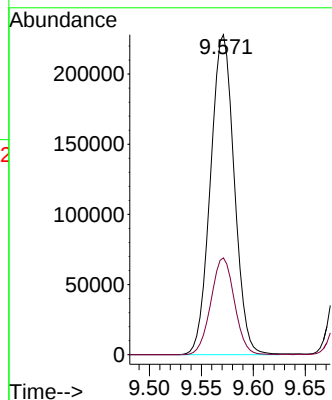
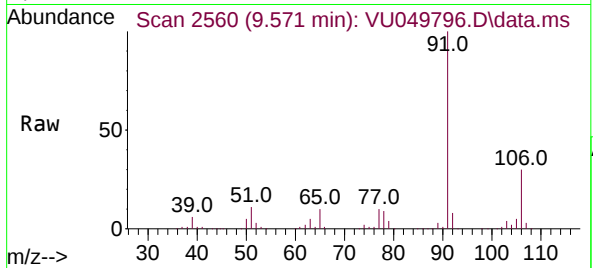




#52
Ethylbenzene
Concen: 53.324 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

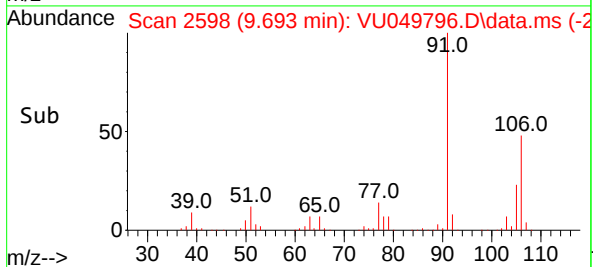
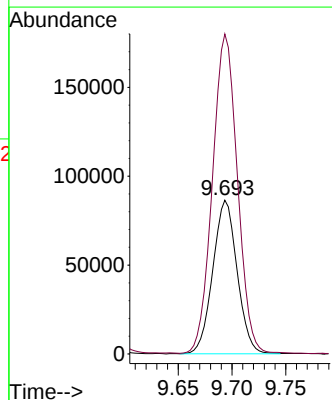
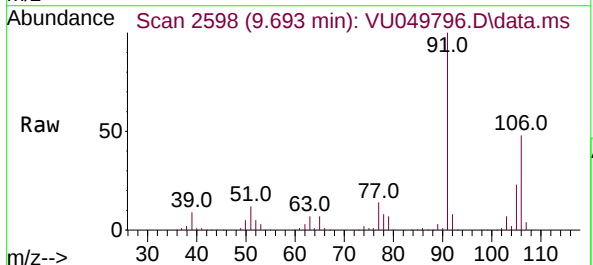
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

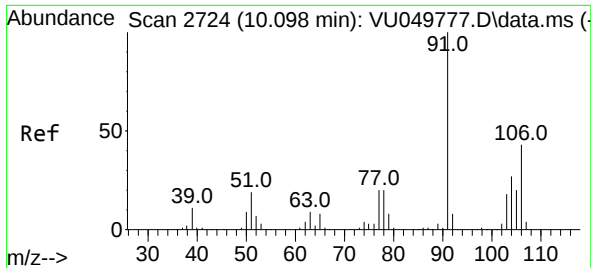
Tgt Ion: 91 Resp: 363238
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 54.811 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 106 Resp: 135766
Ion Ratio Lower Upper
106 100
91 208.1 151.7 281.7

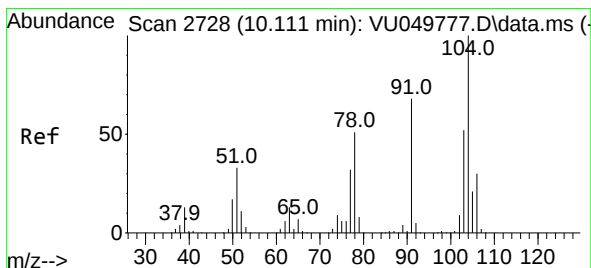
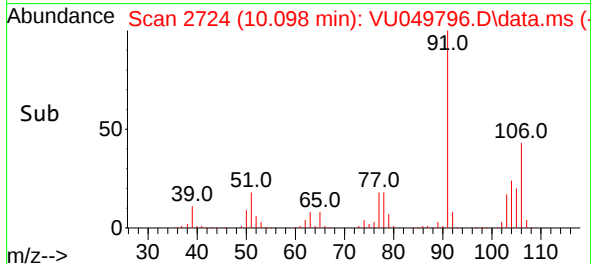
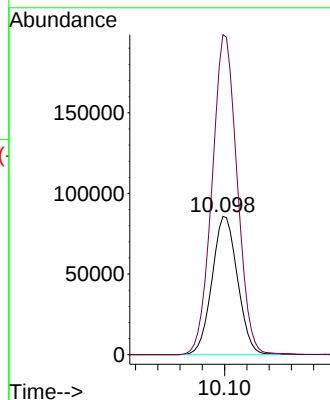
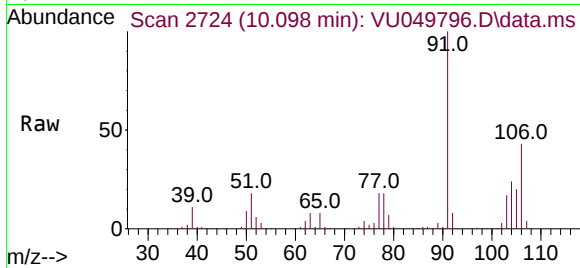




#54
o-Xylene
Concen: 54.671 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

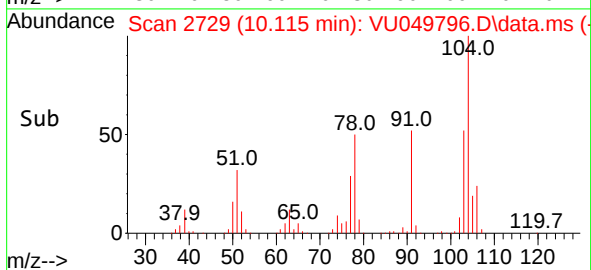
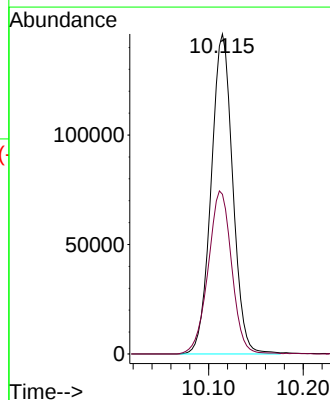
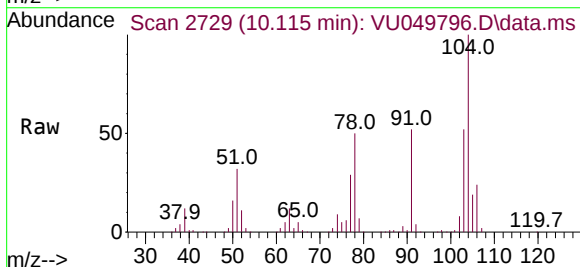
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

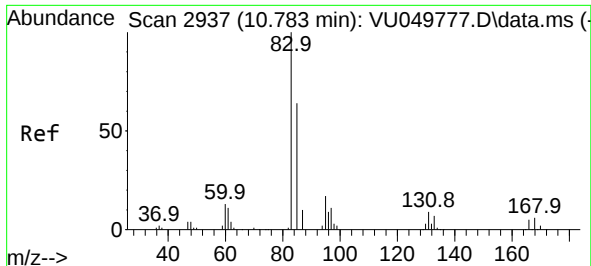
Tgt Ion:106 Resp: 136354
Ion Ratio Lower Upper
106 100
91 231.5 156.9 291.5



#55
Styrene
Concen: 56.335 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion:104 Resp: 231875
Ion Ratio Lower Upper
104 100
78 49.9 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 56.711 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

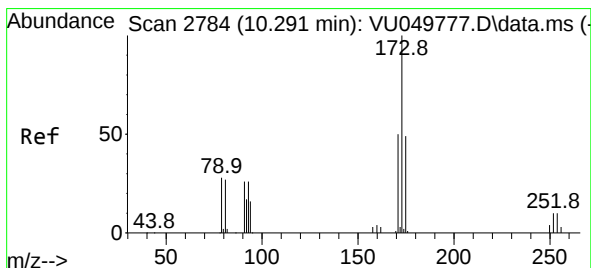
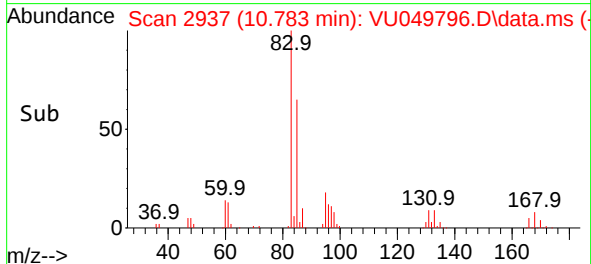
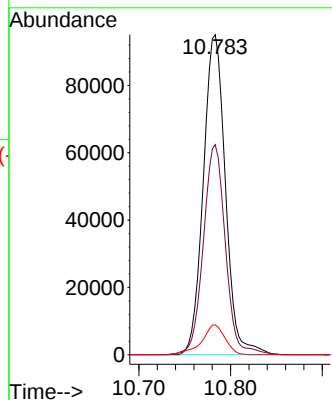
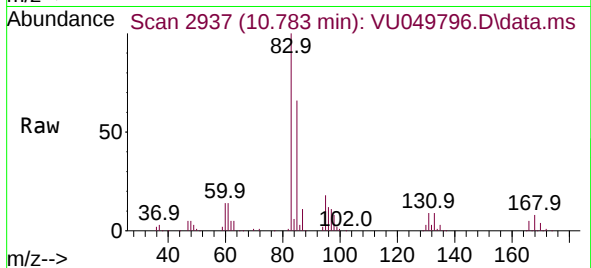
Tgt Ion: 83 Resp: 159519

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6

131 9.3 7.0 10.6



#59

Bromoform

Concen: 57.983 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

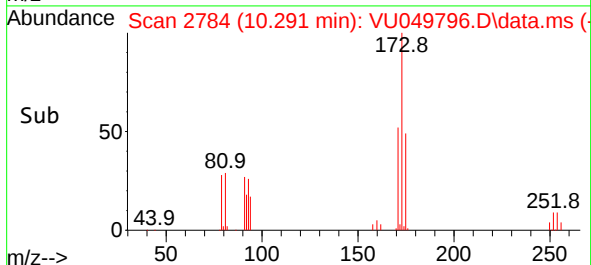
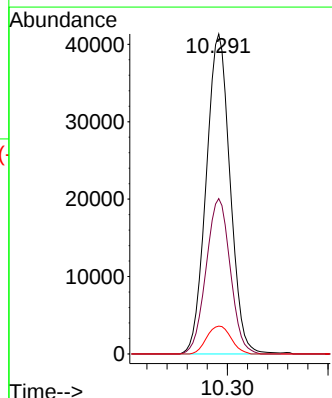
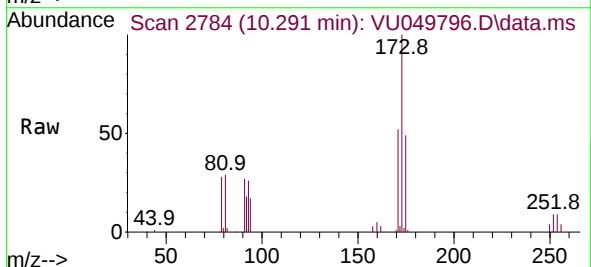
Tgt Ion:173 Resp: 68040

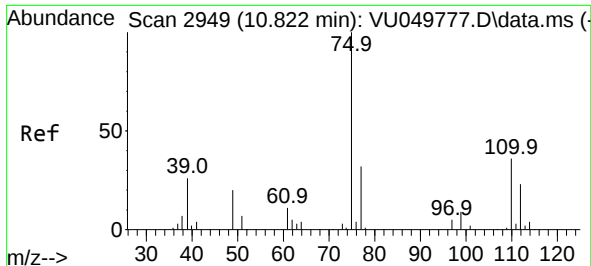
Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

254 8.9 7.4 11.0

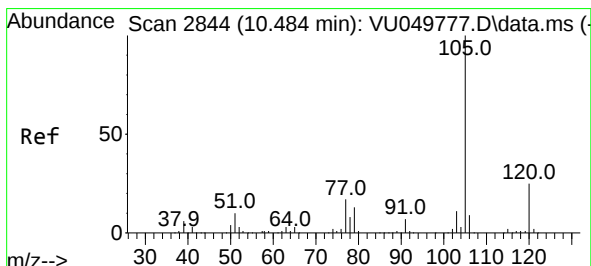
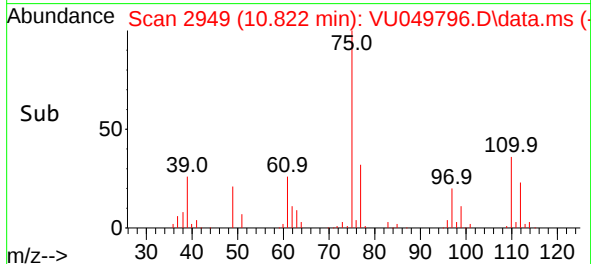
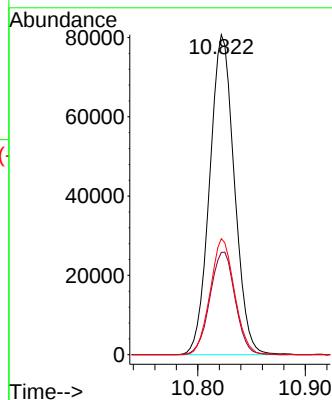
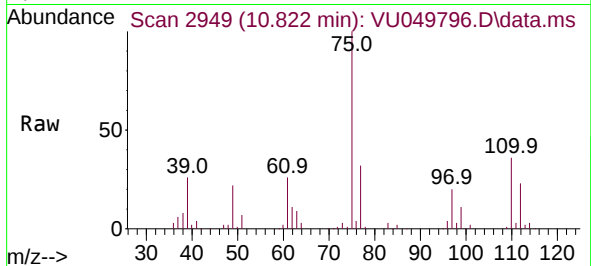




#60
1,2,3-Trichloropropane
Concen: 55.351 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

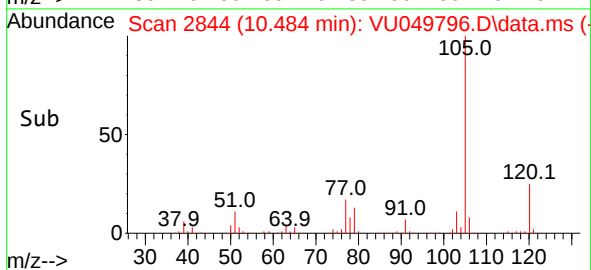
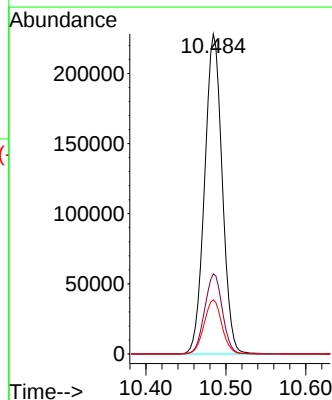
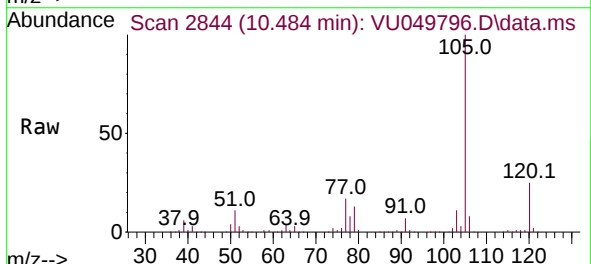
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

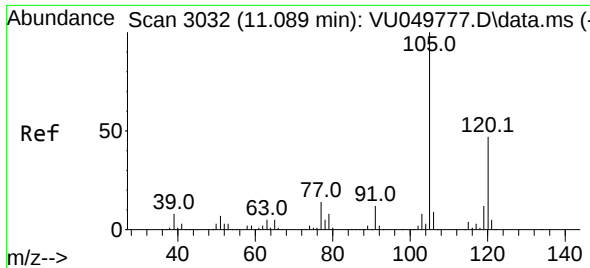
Tgt Ion: 75 Resp: 128987
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
110 35.7 28.9 43.3



#61
Isopropylbenzene
Concen: 53.412 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion: 105 Resp: 348925
Ion Ratio Lower Upper
105 100
120 25.2 19.9 29.9
77 17.1 13.8 20.8

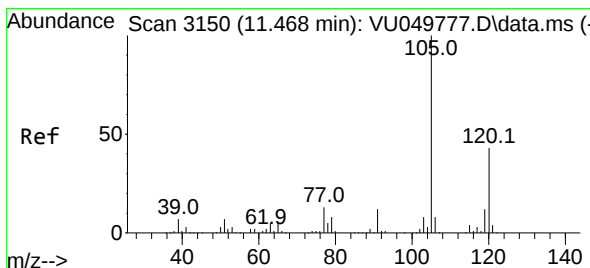
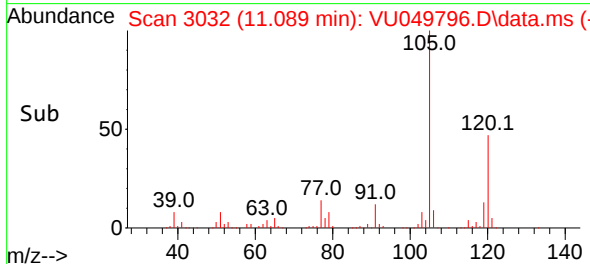
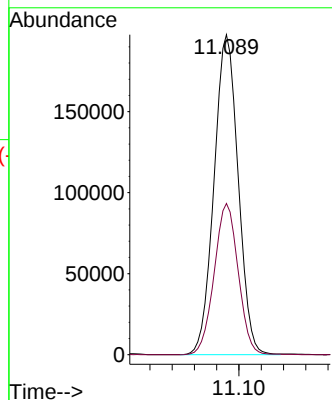
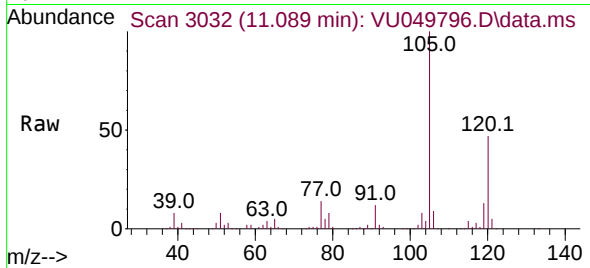




#62
 1,3,5-Trimethylbenzene
 Concen: 53.871 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

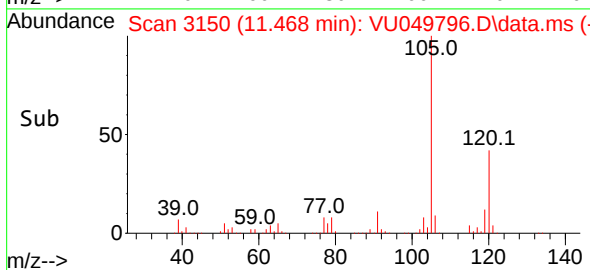
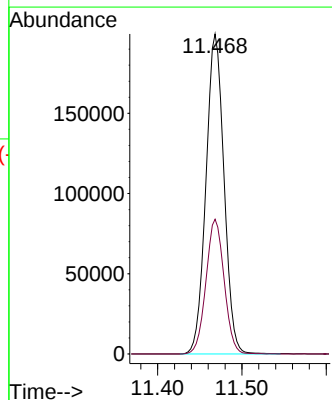
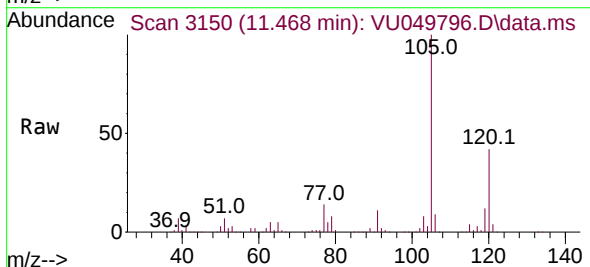
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

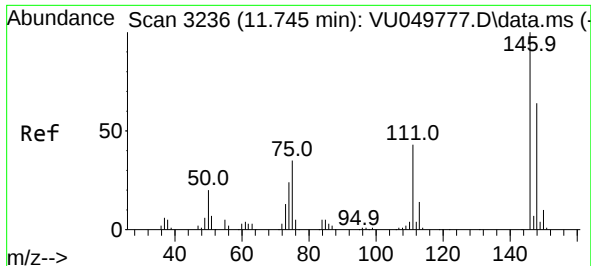
Tgt Ion:105 Resp: 296852
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 54.378 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

Tgt Ion:105 Resp: 297685
 Ion Ratio Lower Upper
 105 100
 120 42.3 33.9 50.9

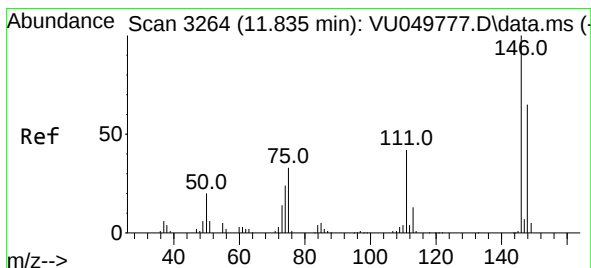
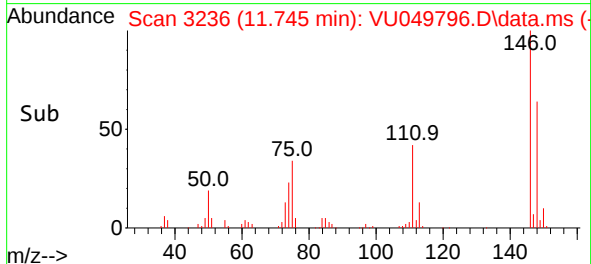
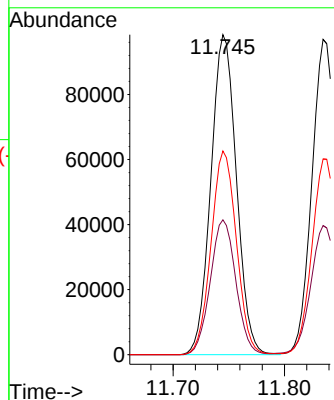
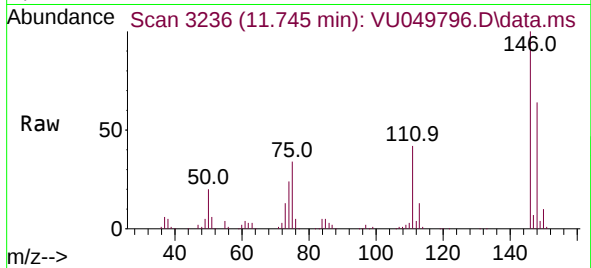




#64
1,3-Dichlorobenzene
Concen: 54.952 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

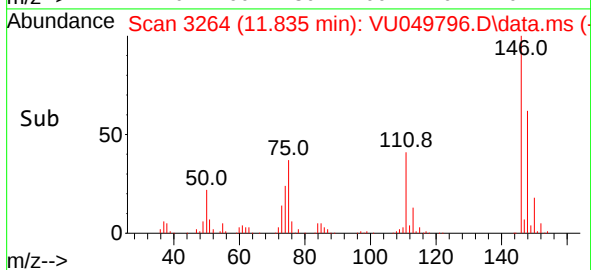
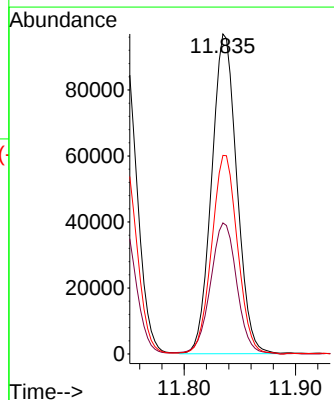
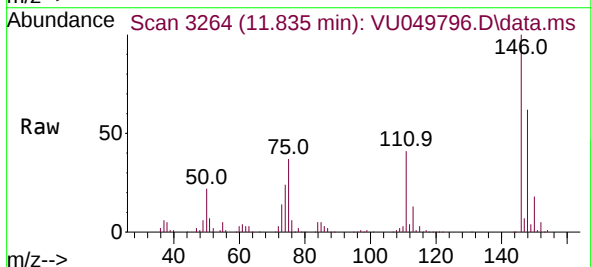
Instrument :
MSVOA_U
ClientSampleId :
VSTD050171

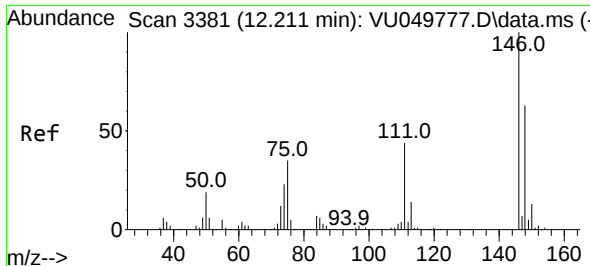
Tgt Ion:146 Resp: 156711
Ion Ratio Lower Upper
146 100
111 42.1 30.0 55.6
148 63.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 53.192 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049796.D
Acq: 20 Jul 2022 09:36

Tgt Ion:146 Resp: 152377
Ion Ratio Lower Upper
146 100
111 41.0 29.1 54.1
148 62.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 54.666 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

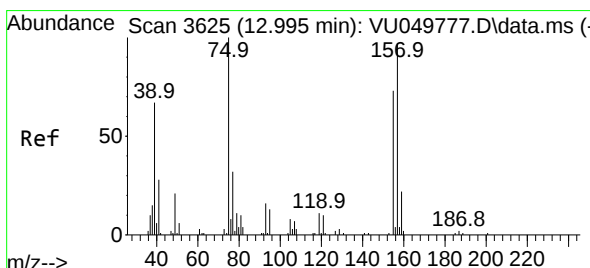
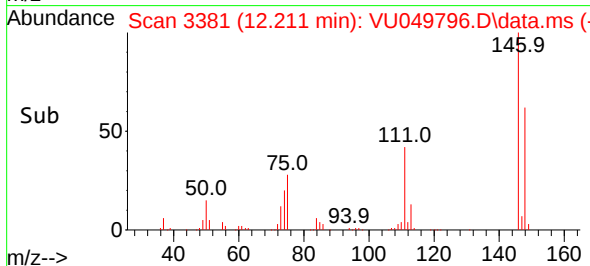
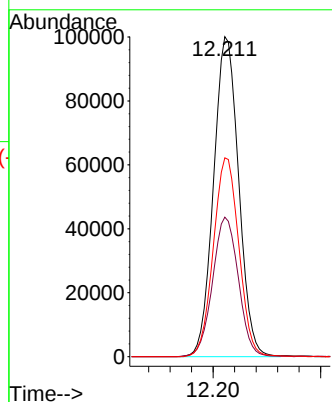
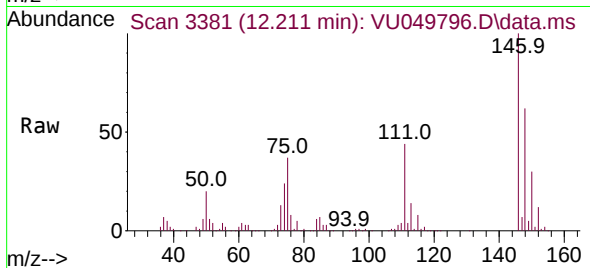
Tgt Ion:146 Resp: 162104

Ion Ratio Lower Upper

146 100

111 43.6 35.8 53.8

148 62.2 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 56.742 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

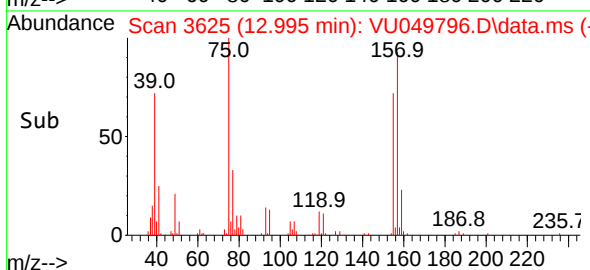
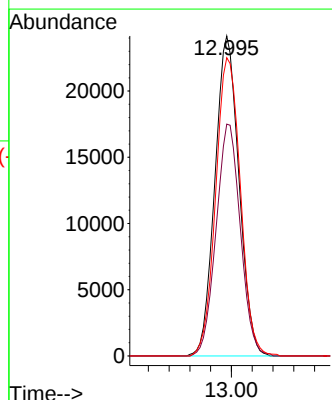
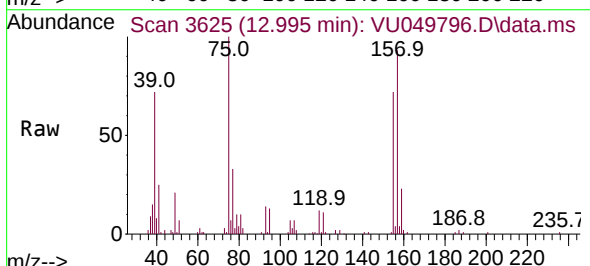
Tgt Ion: 75 Resp: 38745

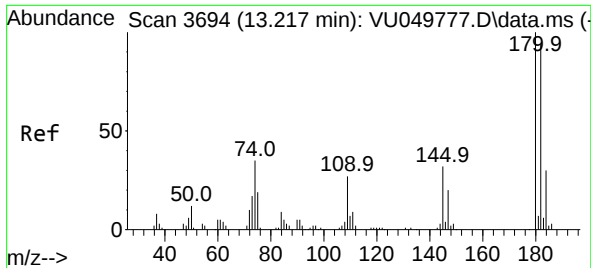
Ion Ratio Lower Upper

75 100

155 72.5 57.7 86.5

157 93.2 75.6 113.4

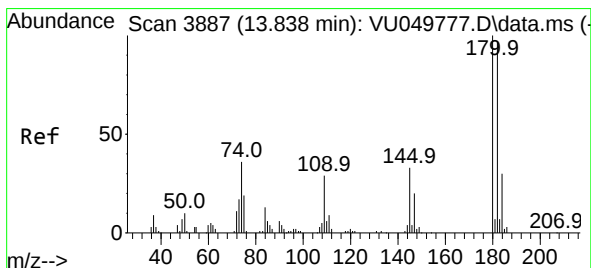
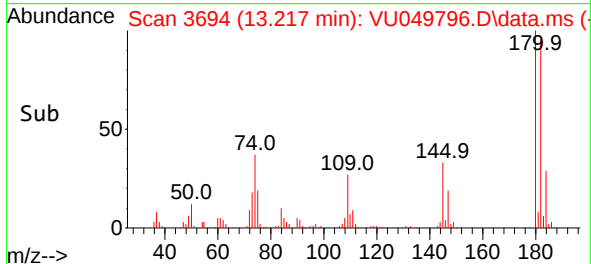
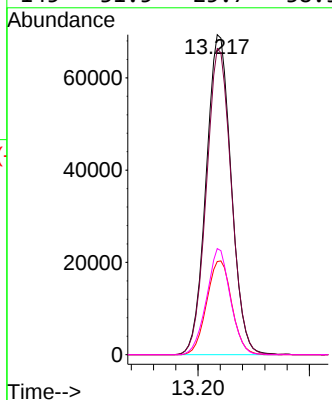
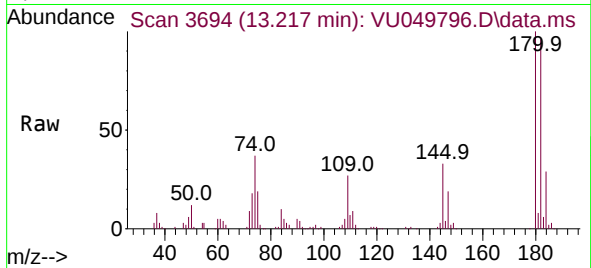




#69
 1,3,5-Trichlorobenzene
 Concen: 54.189 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

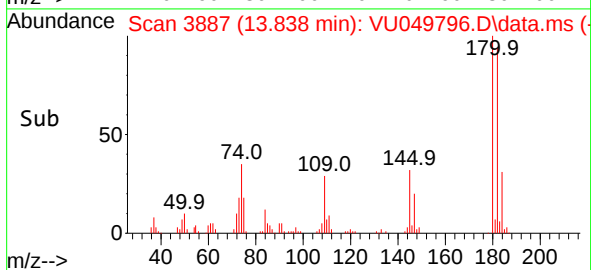
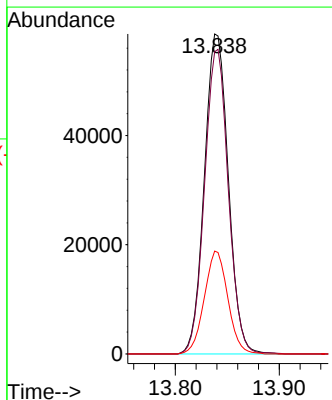
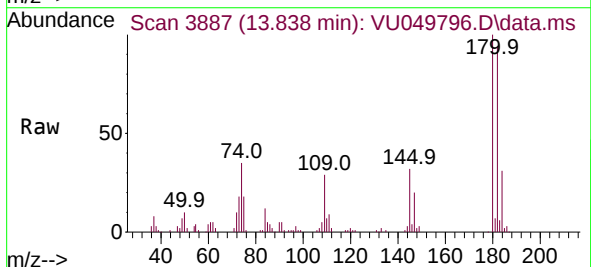
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

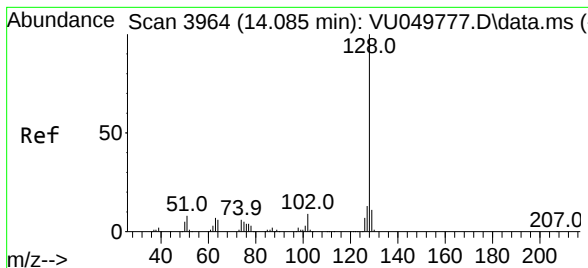
Tgt Ion:180 Resp: 108286
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 184 29.3 24.0 36.0
 145 31.5 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 51.142 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU049796.D
 Acq: 20 Jul 2022 09:36

Tgt Ion:180 Resp: 93785
 Ion Ratio Lower Upper
 180 100
 182 94.4 74.8 112.2
 145 31.5 24.7 37.1





#71

Naphthalene

Concen: 50.458 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050171

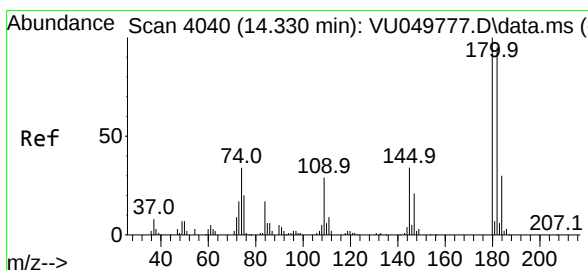
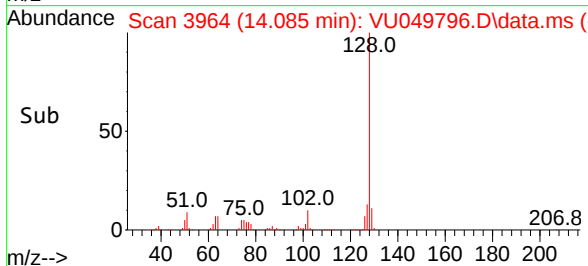
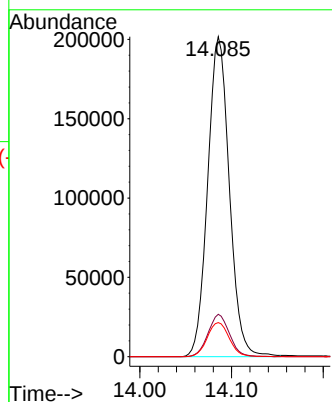
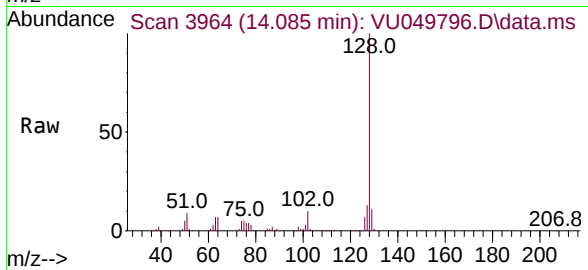
Tgt Ion:128 Resp: 330780

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 54.051 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049796.D

Acq: 20 Jul 2022 09:36

Tgt Ion:180 Resp: 102673

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 33.6 27.1 40.7

