

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052520.D
 Acq On : 23 Dec 2022 02:47
 Operator : JC/MD
 Sample : N6169-09MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA0MSD

Quant Time: Dec 23 06:45:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	218223	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	204610	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	105006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	80041	3.620	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.916	69	73807	3.871	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.568	65	36002	3.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	4.636	46	380731	55.534	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.060%
24) Chloroform-d	5.060	84	158294	4.244	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.697	65	94693	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.726	84	327445	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.687	67	113309	4.692	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.896	98	286059	4.858	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	8.176	79	41638	5.036	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.629	63	289165	63.918	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.840%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	105154	5.129	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	106322	4.973	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	87292	4.495	ug/L	100
3) Chloromethane	1.523	50	122202	4.360	ug/L	100
5) Vinyl chloride	1.604	62	120199	4.731	ug/L	99
6) Bromomethane	1.858	94	59245	4.090	ug/L	98
8) Chloroethane	1.935	64	74642	4.289	ug/L	99
9) Trichlorofluoromethane	2.141	101	130995	4.560	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	77251	4.524	ug/L	99
12) 1,1-Dichloroethene	2.581	96	78099	4.779	ug/L	93
13) Acetone	2.655	43	236947	46.883	ug/L	98
14) Carbon disulfide	2.793	76	236783	4.496	ug/L	99
15) Methyl Acetate	2.957	43	60826	5.463	ug/L	97
16) Methylene chloride	3.044	84	101002	4.375	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	246846	5.658	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	601655	35.720	ug/L	99
19) 1,1-Dichloroethane	3.867	63	173527	4.737	ug/L	98
21) 2-Butanone	4.716	43	411036	55.221	ug/L	92
22) cis-1,2-Dichloroethene	4.662	96	713425	38.595	ug/L	99
23) Bromochloromethane	4.973	128	42452	4.956	ug/L	98
25) Chloroform	5.086	83	165981	4.677	ug/L	100

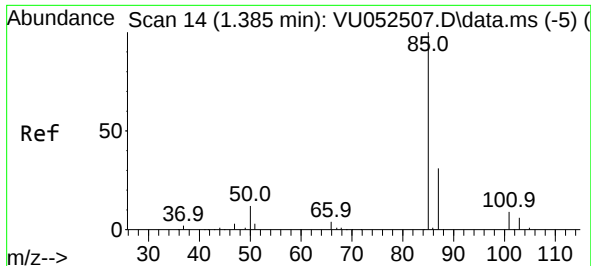
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	122226	4.985	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	128538	4.991	ug/L	97
30) Cyclohexane	5.385	56	163862	5.888	ug/L	97
31) Carbon tetrachloride	5.523	117	105385	4.657	ug/L	98
33) Benzene	5.771	78	389419	5.284	ug/L	100
34) Trichloroethene	6.539	95	96205	5.584	ug/L	97
35) Methylcyclohexane	6.761	83	146521	5.640	ug/L	96
37) 1,2-Dichloropropane	6.787	63	105826	5.146	ug/L	100
38) Bromodichloromethane	7.102	83	123612	4.938	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	141015	5.414	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	935571	62.254	ug/L	97
42) Toluene	7.967	91	389343	5.510	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	126067	5.493	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	77667	5.332	ug/L	98
47) Tetrachloroethene	8.549	164	70526	5.864	ug/L	96
48) 2-Hexanone	8.681	43	681322	60.145	ug/L	98
49) Dibromochloromethane	8.806	129	82880	5.374	ug/L	98
50) 1,2-Dibromoethane	8.919	107	73426	5.546	ug/L	99
51) Chlorobenzene	9.443	112	237646	5.266	ug/L	99
52) Ethylbenzene	9.565	91	402205	5.500	ug/L	99
53) m,p-Xylene	9.690	106	154529	5.731	ug/L	97
54) o-Xylene	10.095	106	154742	5.986	ug/L	99
55) Styrene	10.111	104	261164	5.808	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	111050	5.515	ug/L	97
59) Bromoform	10.285	173	47305	5.127	ug/L	99
60) Isopropylbenzene	10.478	105	382273	5.617	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	80764	5.363	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	321595	5.729	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	332590	5.886	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	178438	5.284	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	181935	5.210	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	176744	5.297	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	18933	5.554	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	130214	5.237	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	118043	5.642	ug/L	98
71) Naphthalene	14.082	128	282979	6.684	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	116434	5.552	ug/L	98

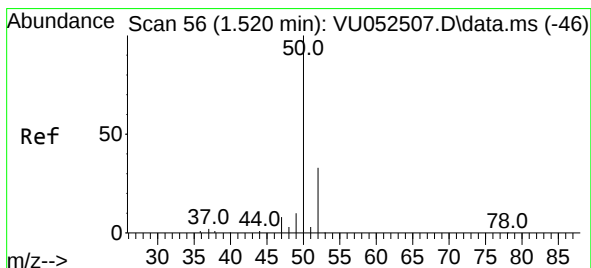
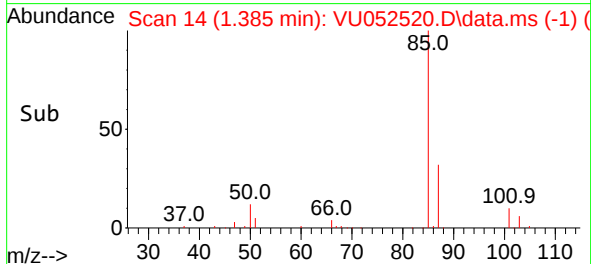
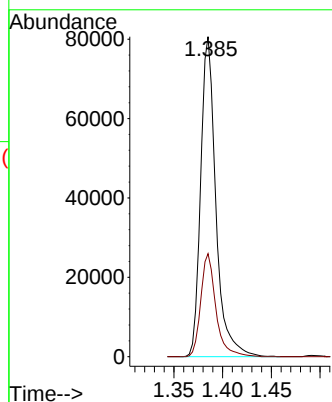
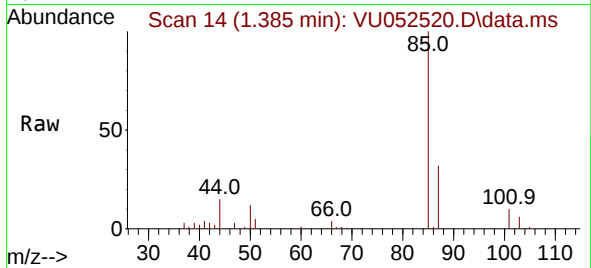
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.495 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

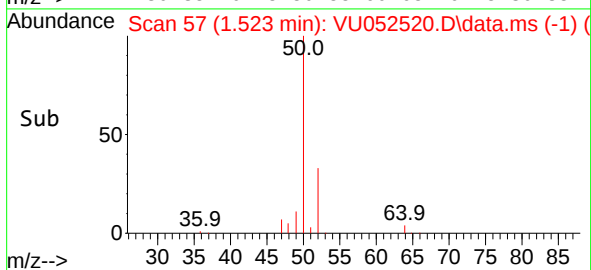
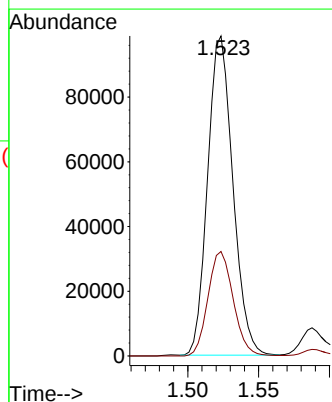
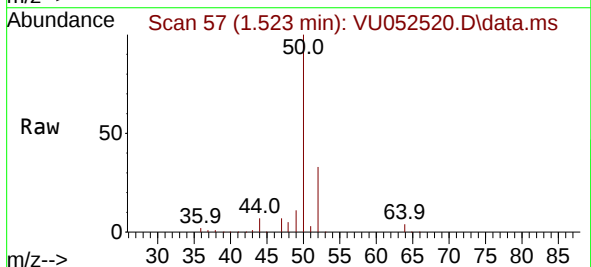
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

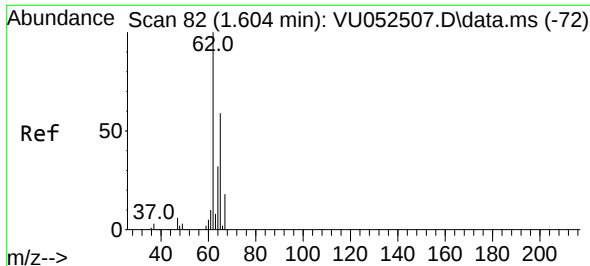
Tgt Ion: 85 Resp: 87292
Ion Ratio Lower Upper
85 100
87 32.1 25.6 38.4



#3
Chloromethane
Concen: 4.360 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

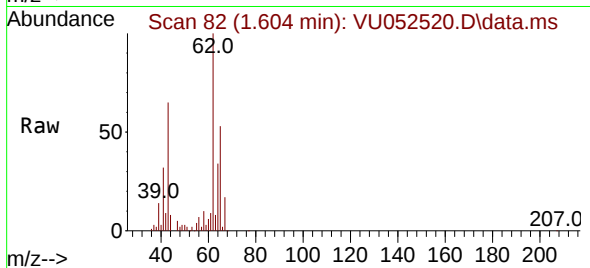
Tgt Ion: 50 Resp: 122202
Ion Ratio Lower Upper
50 100
52 32.7 23.0 42.6



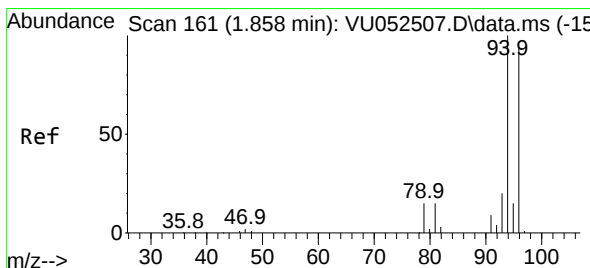
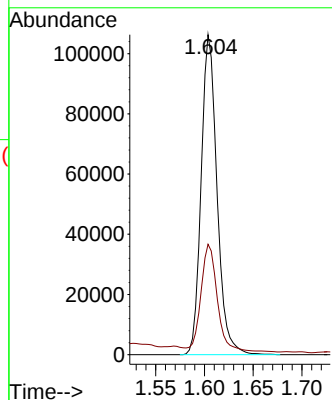
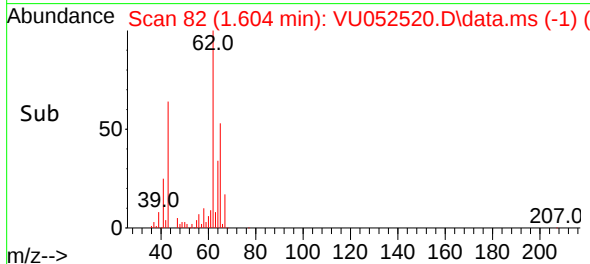


#5
 Vinyl chloride
 Concen: 4.731 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052520.D
 Acq: 23 Dec 2022 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA0MSD

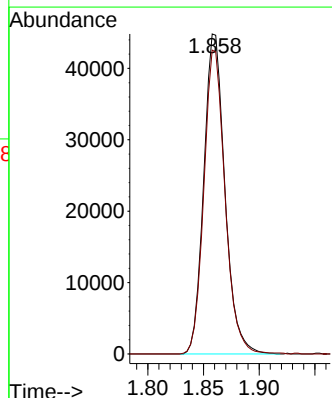
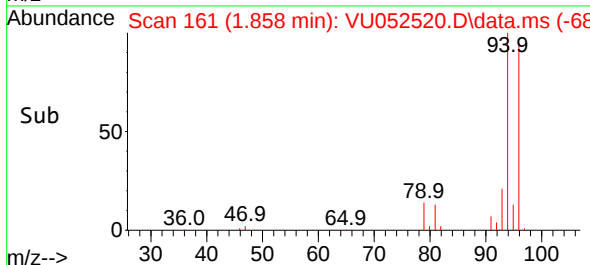
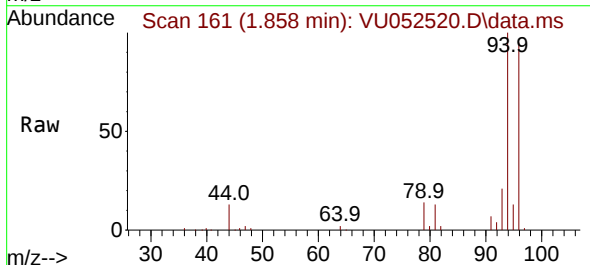


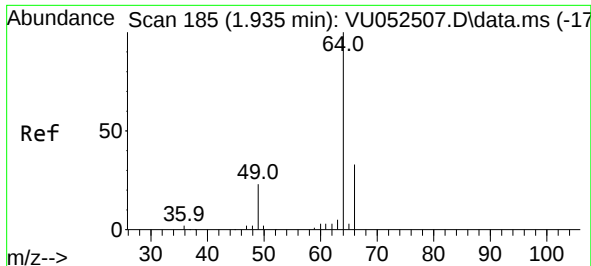
Tgt Ion: 62 Resp: 120199
 Ion Ratio Lower Upper
 62 100
 64 34.5 24.4 45.4



#6
 Bromomethane
 Concen: 4.090 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052520.D
 Acq: 23 Dec 2022 02:47

Tgt Ion: 94 Resp: 59245
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.0 120.8

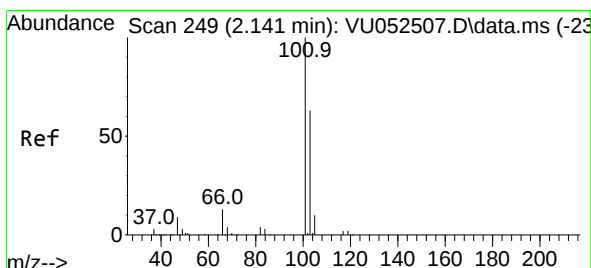
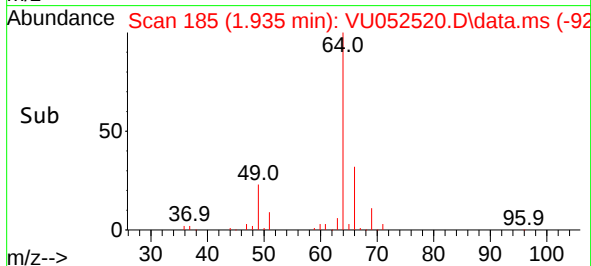
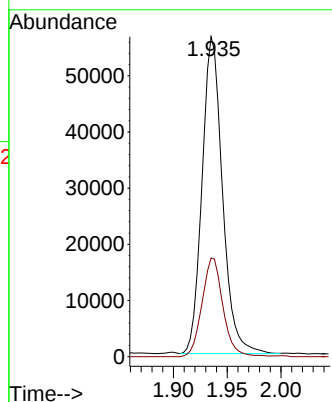
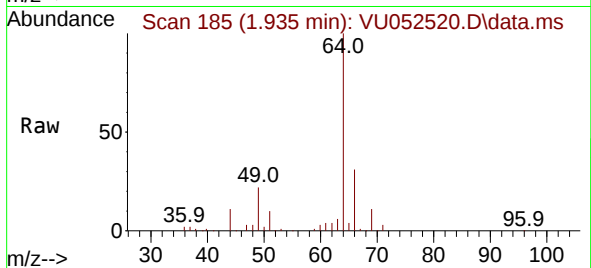




#8
Chloroethane
Concen: 4.289 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

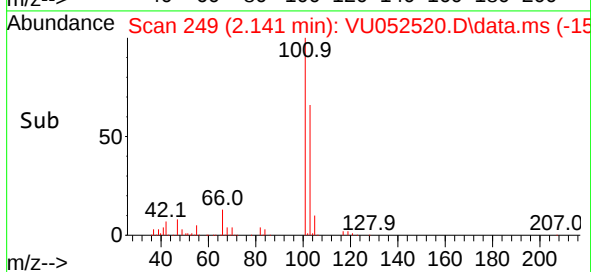
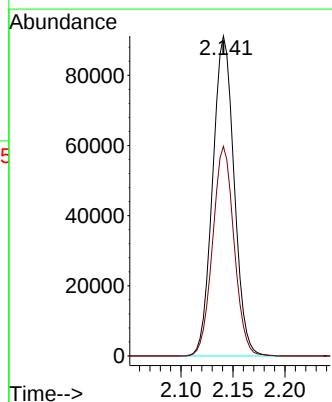
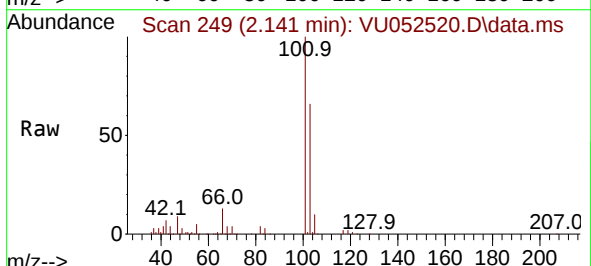
Instrument :
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ClientSampleId :
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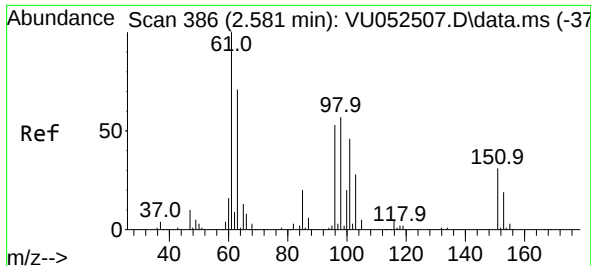
Tgt Ion: 64 Resp: 74642
Ion Ratio Lower Upper
64 100
66 30.9 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.560 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:101 Resp: 130995
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0

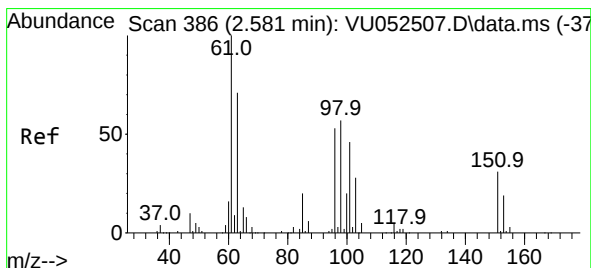
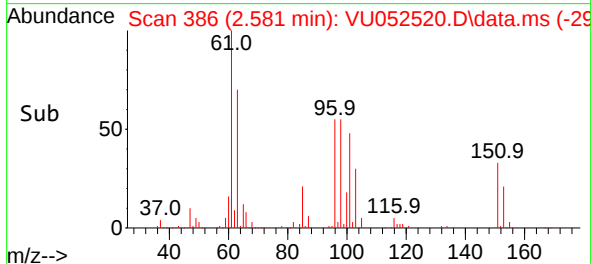
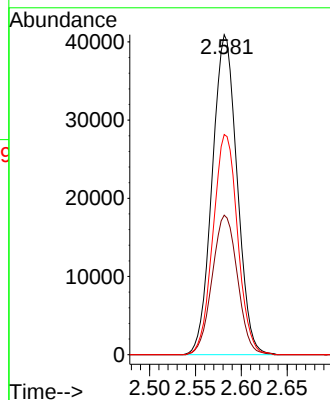
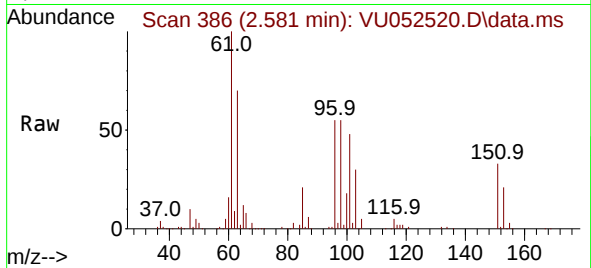




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.524 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052520.D
 Acq: 23 Dec 2022 02:47

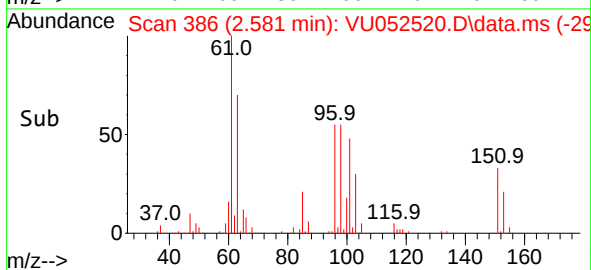
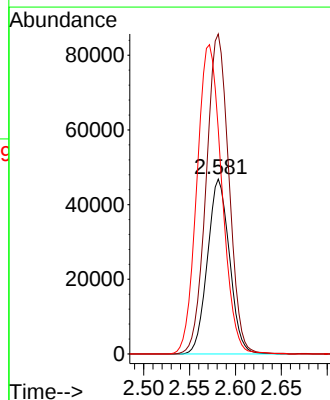
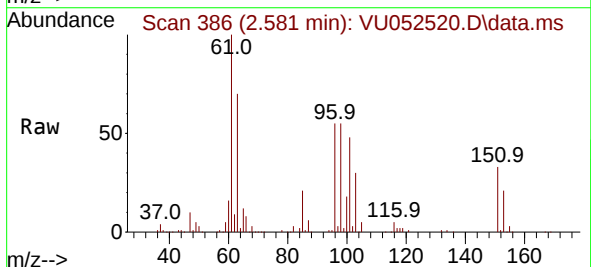
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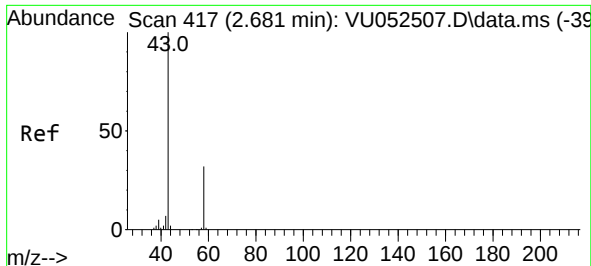
Tgt Ion: 101 Resp: 77251
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.8 53.6
 151 68.1 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.779 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052520.D
 Acq: 23 Dec 2022 02:47

Tgt Ion: 96 Resp: 78099
 Ion Ratio Lower Upper
 96 100
 61 182.9 135.4 251.4
 63 128.2 95.4 177.2





#13

Acetone

Concen: 46.883 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.026 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

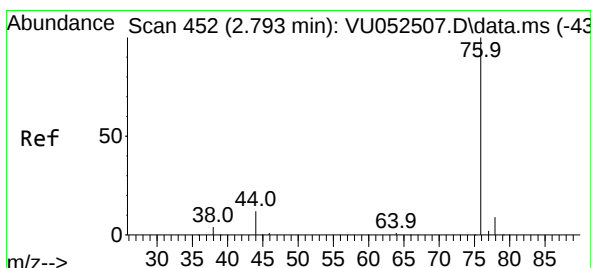
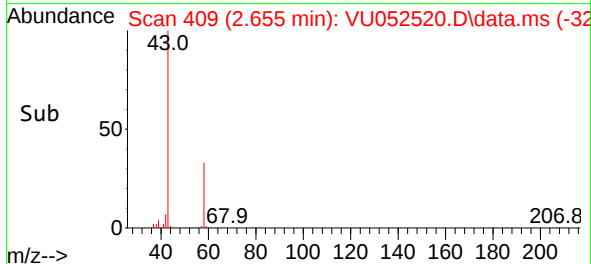
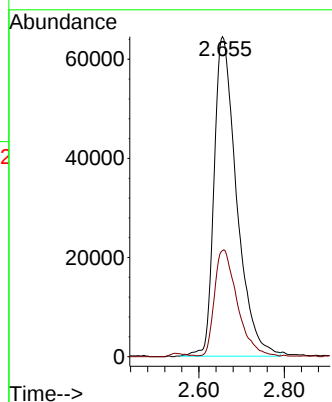
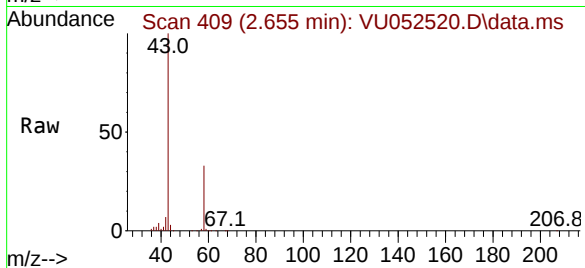
GBQA0MSD

Tgt Ion: 43 Resp: 236947

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.4



#14

Carbon disulfide

Concen: 4.496 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052520.D

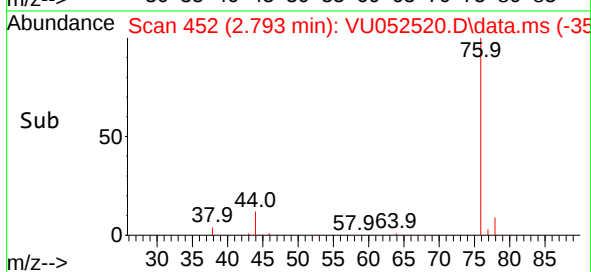
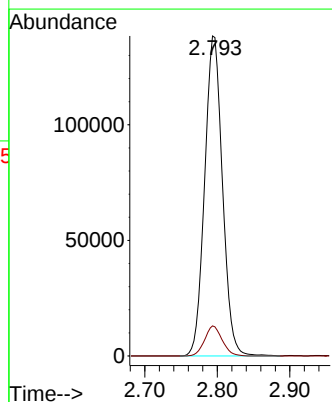
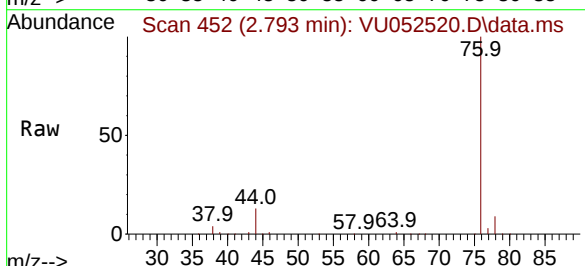
Acq: 23 Dec 2022 02:47

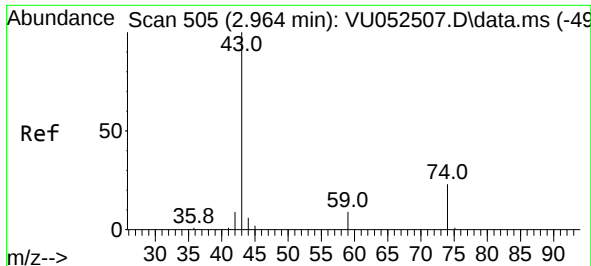
Tgt Ion: 76 Resp: 236783

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

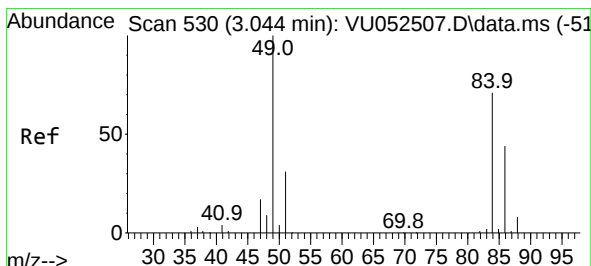
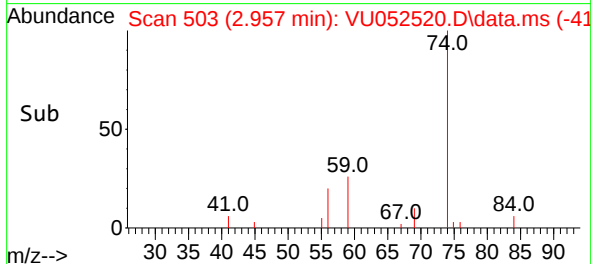
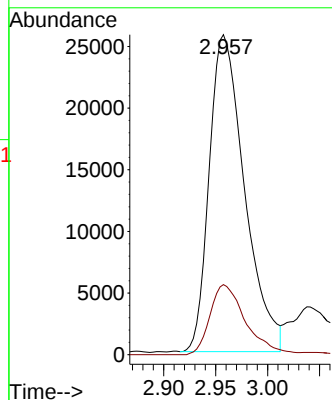
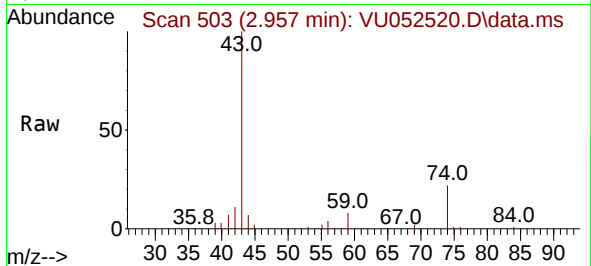




#15
Methyl Acetate
Concen: 5.463 ug/L
RT: 2.957 min Scan# 505
Delta R.T. -0.006 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

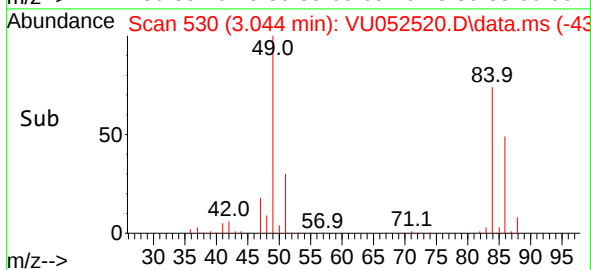
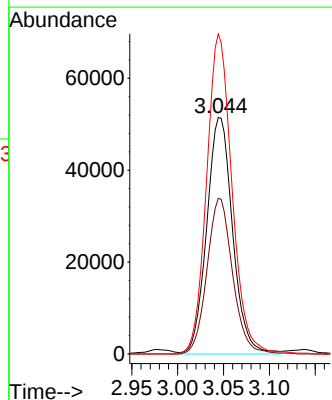
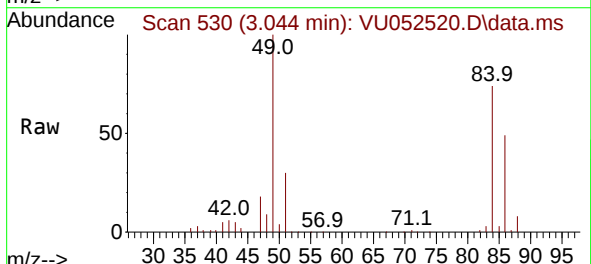
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

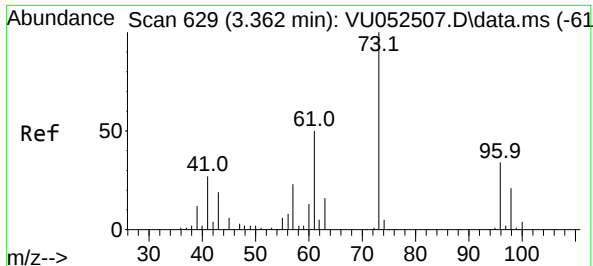
Tgt Ion: 43 Resp: 60826
Ion Ratio Lower Upper
43 100
74 22.3 16.9 25.3



#16
Methylene chloride
Concen: 4.375 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 84 Resp: 101002
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 135.3 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.658 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

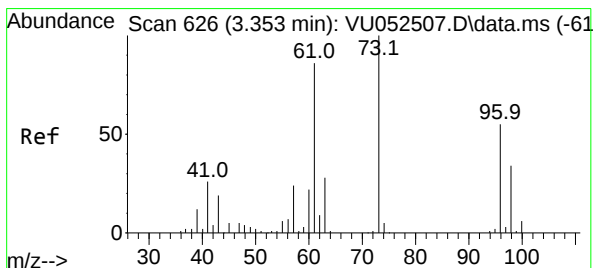
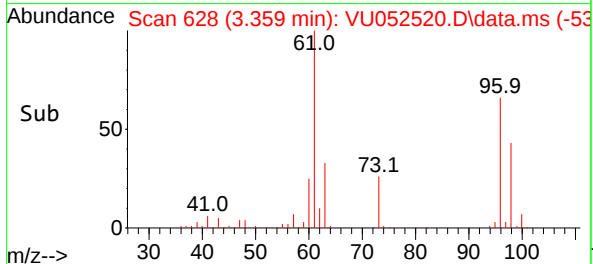
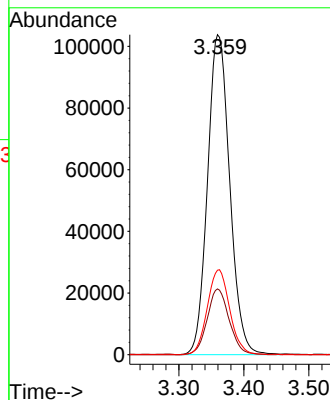
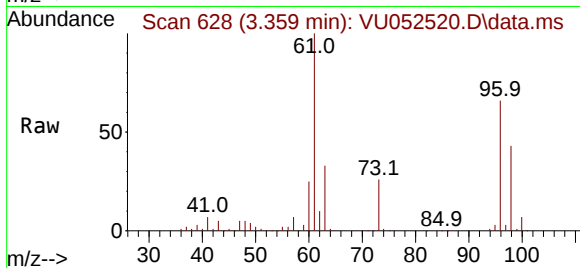
Tgt Ion: 73 Resp: 246846

Ion Ratio Lower Upper

73 100

43 20.4 16.1 24.1

57 26.8 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 35.720 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

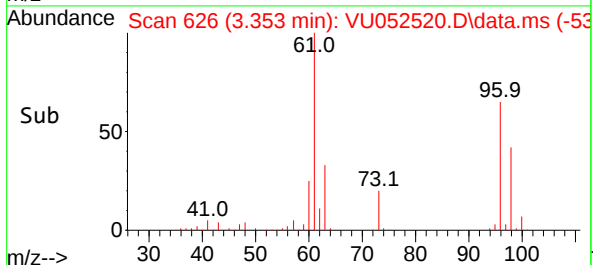
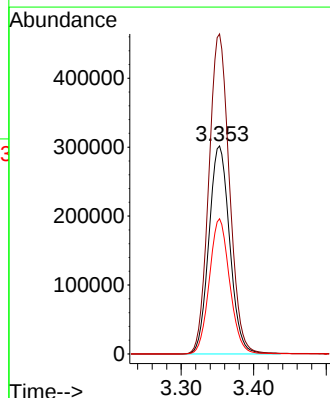
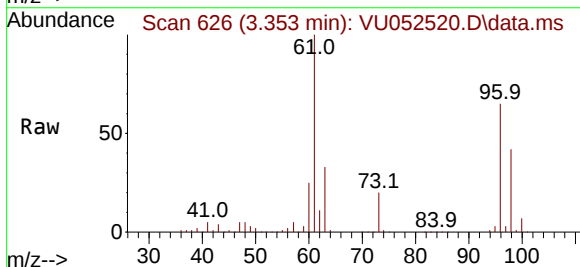
Tgt Ion: 96 Resp: 601655

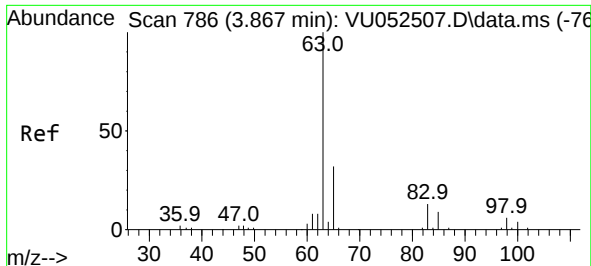
Ion Ratio Lower Upper

96 100

61 153.8 108.3 201.1

98 65.0 44.0 81.6





#19

1,1-Dichloroethane

Concen: 4.737 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

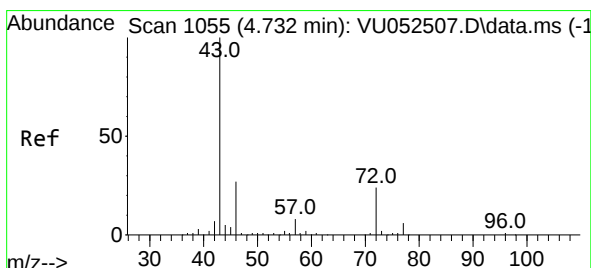
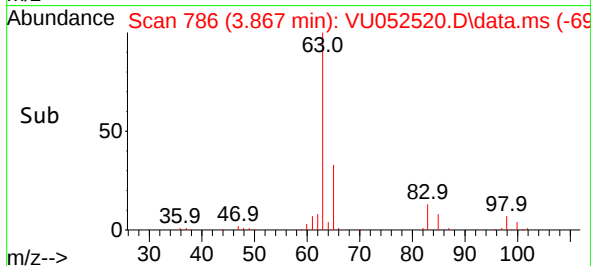
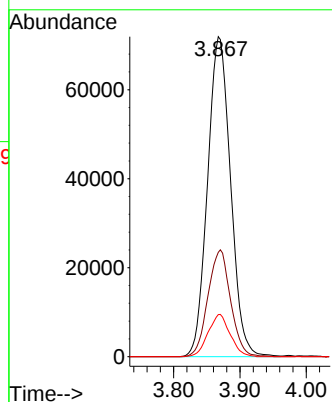
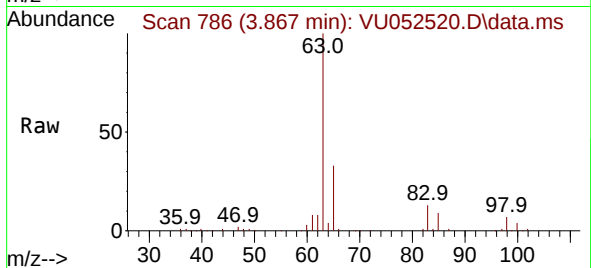
Tgt Ion: 63 Resp: 173527

Ion Ratio Lower Upper

63 100

65 32.6 22.0 40.8

83 13.1 9.0 16.8



#21

2-Butanone

Concen: 55.221 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.016 min

Lab File: VU052520.D

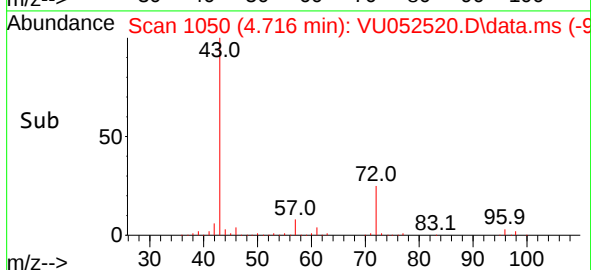
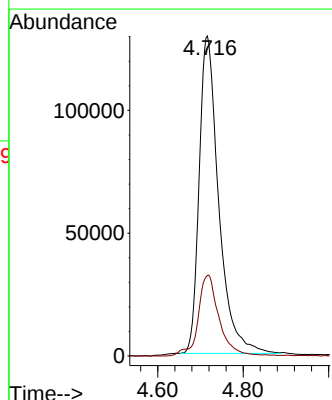
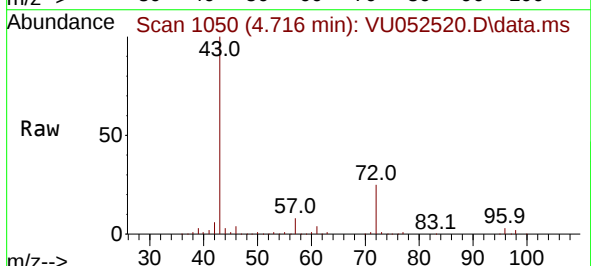
Acq: 23 Dec 2022 02:47

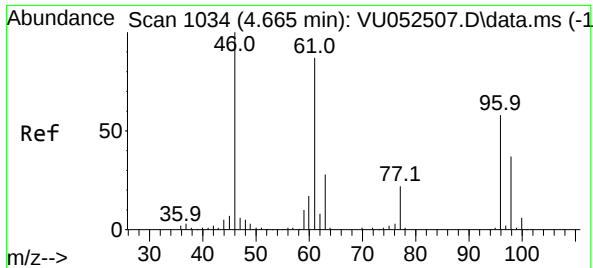
Tgt Ion: 43 Resp: 411036

Ion Ratio Lower Upper

43 100

72 27.1 11.6 34.7

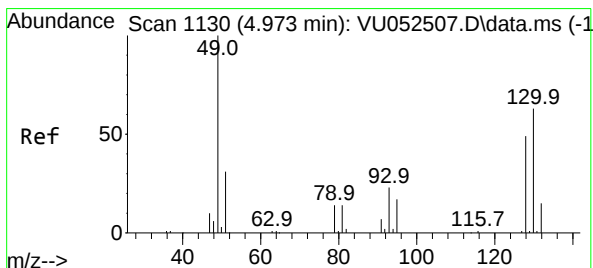
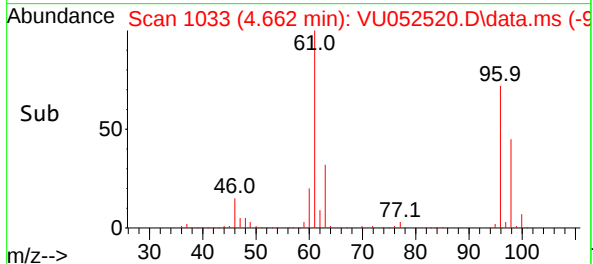
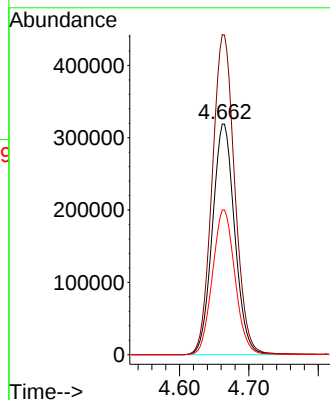
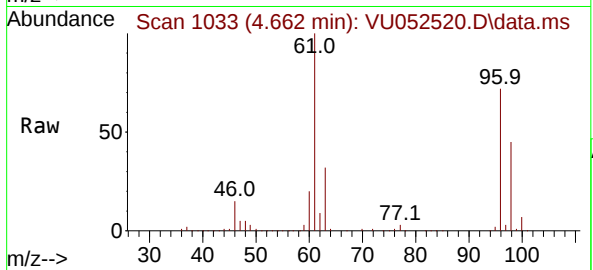




#22
cis-1,2-Dichloroethene
Concen: 38.595 ug/L
RT: 4.662 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

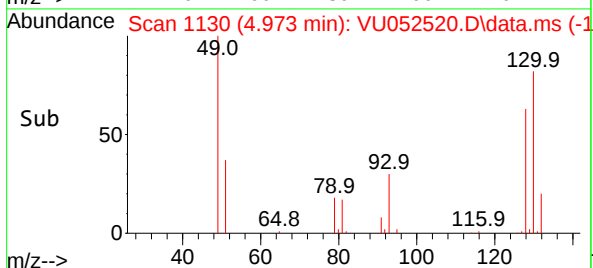
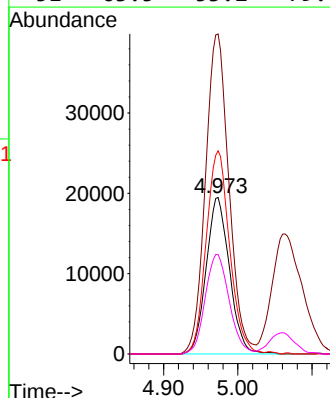
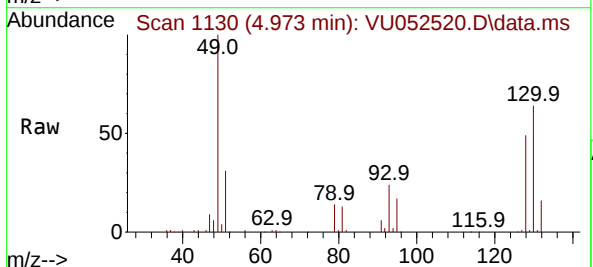
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

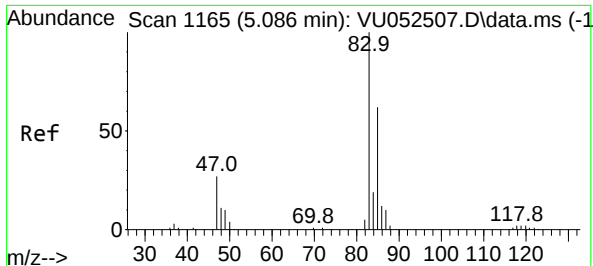
Tgt Ion: 96 Resp: 713425
Ion Ratio Lower Upper
96 100
61 138.7 96.9 180.1
98 62.7 44.7 83.1



#23
Bromochloromethane
Concen: 4.956 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:128 Resp: 42452
Ion Ratio Lower Upper
128 100
49 204.5 143.3 266.1
130 129.9 88.4 164.2
51 63.5 53.2 79.8

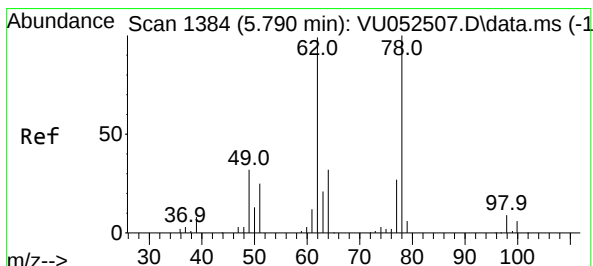
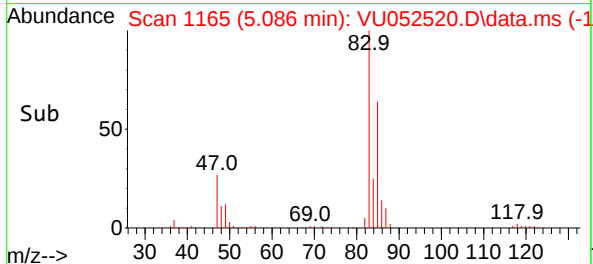
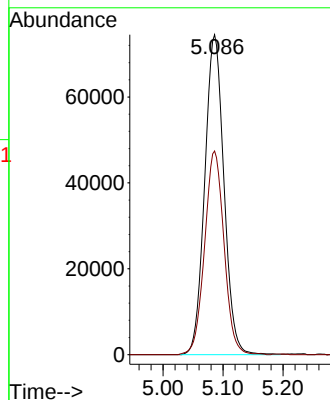
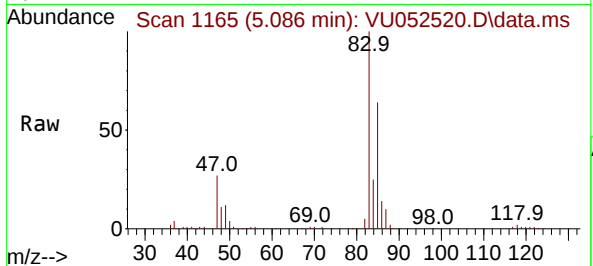




#25
Chloroform
Concen: 4.677 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

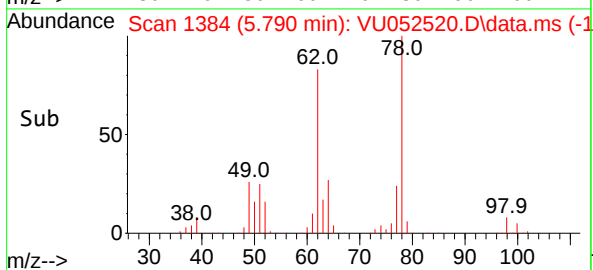
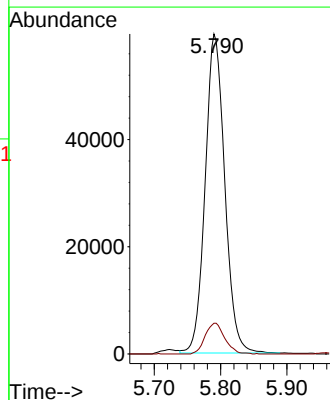
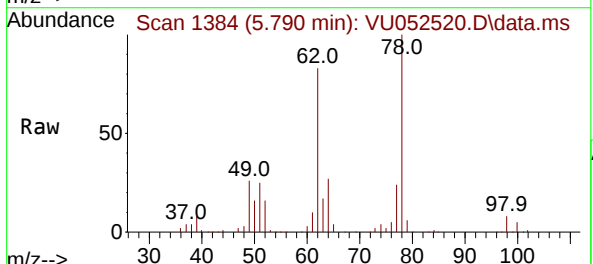
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

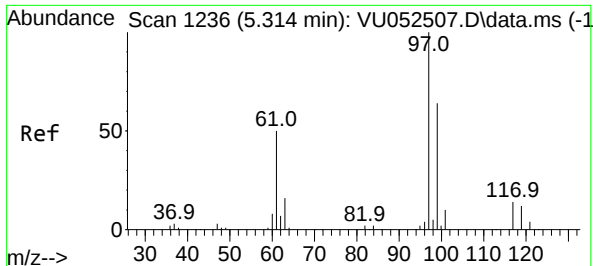
Tgt Ion: 83 Resp: 165981
Ion Ratio Lower Upper
83 100
85 63.7 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.985 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 62 Resp: 122226
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.991 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

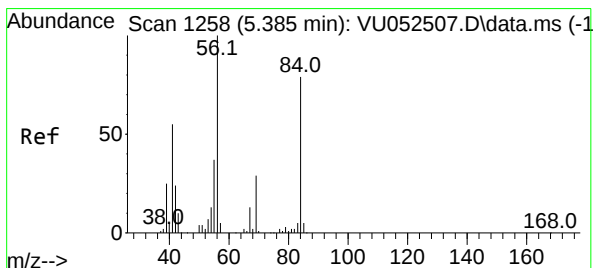
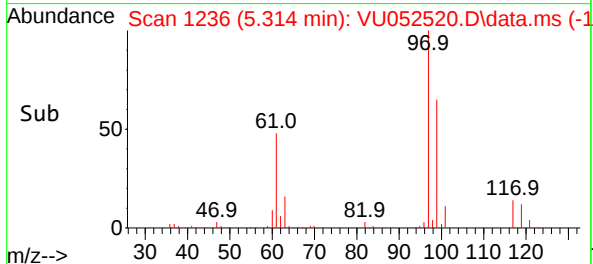
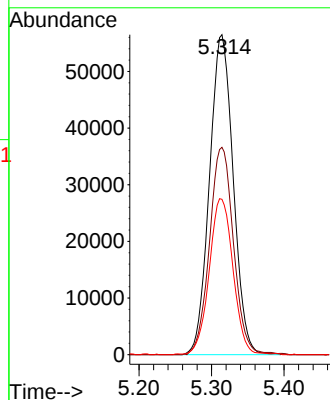
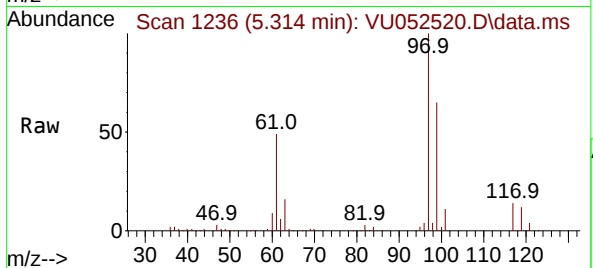
Tgt Ion: 97 Resp: 128538

Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.2

61 48.3 41.6 62.4



#30

Cyclohexane

Concen: 5.888 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

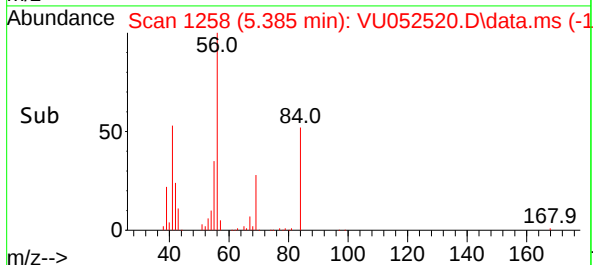
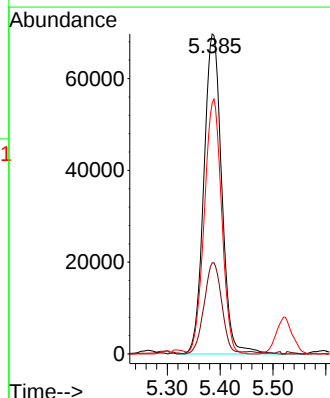
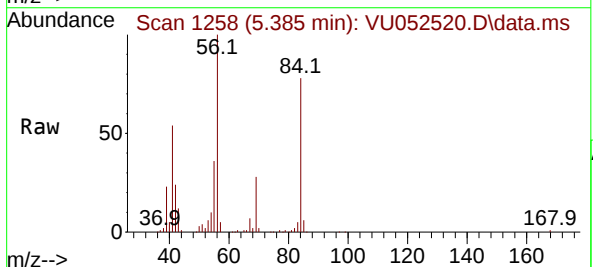
Tgt Ion: 56 Resp: 163862

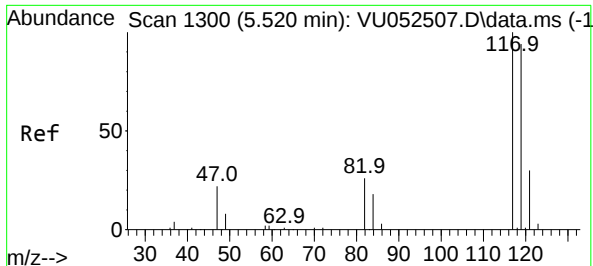
Ion Ratio Lower Upper

56 100

69 28.2 23.0 34.6

84 77.2 64.4 96.6

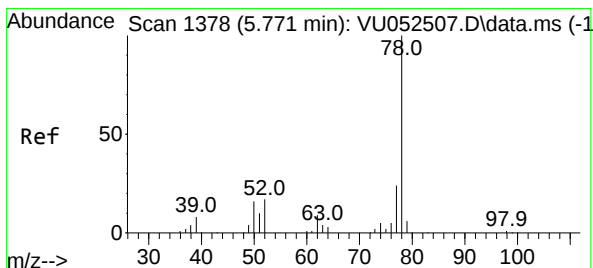
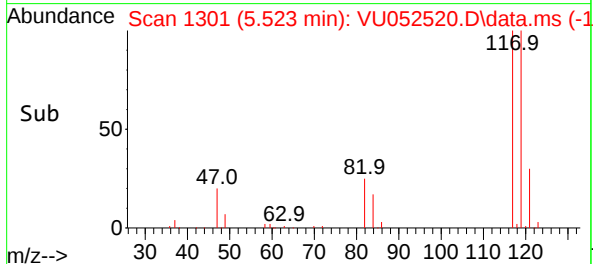
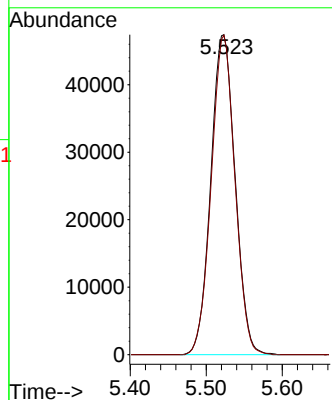
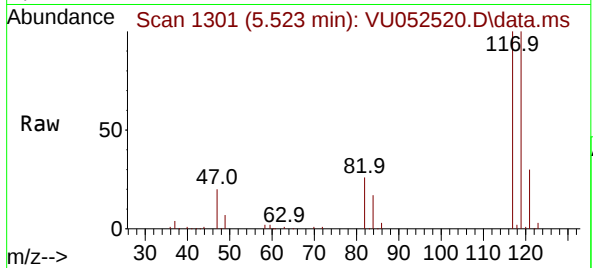




#31
Carbon tetrachloride
Concen: 4.657 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

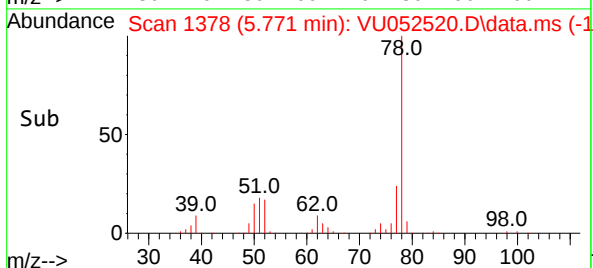
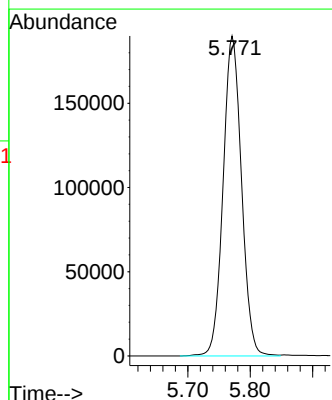
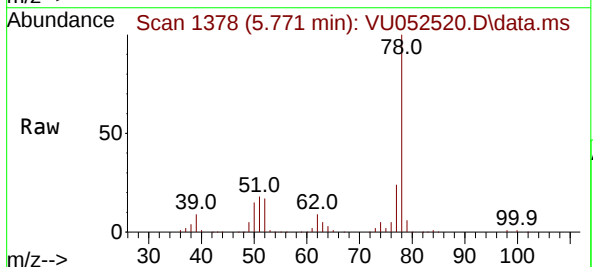
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

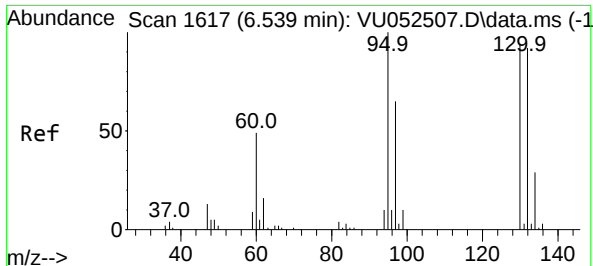
Tgt Ion:117 Resp: 105385
Ion Ratio Lower Upper
117 100
119 97.1 76.3 114.5



#33
Benzene
Concen: 5.284 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 78 Resp: 389419

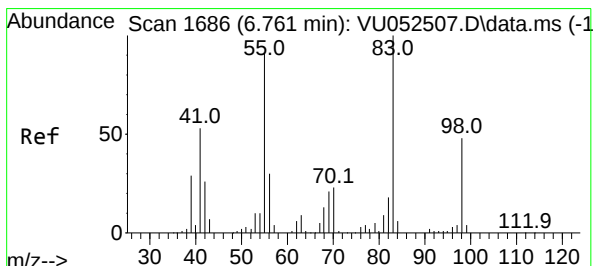
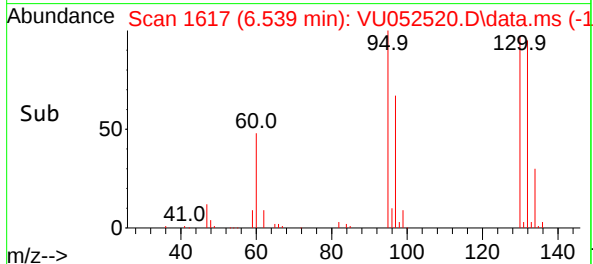
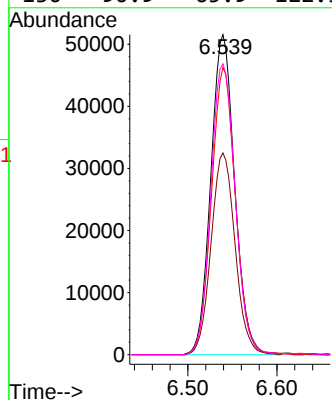
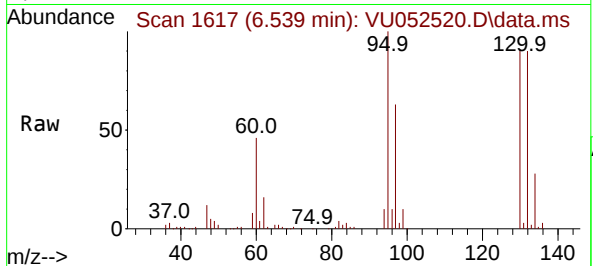




#34
Trichloroethene
Concen: 5.584 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

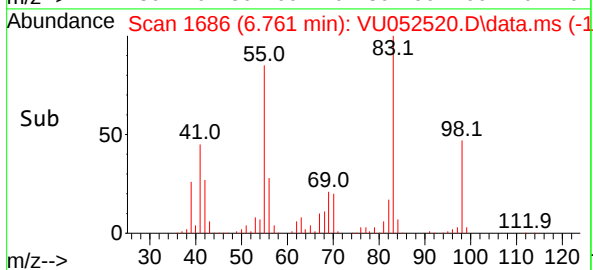
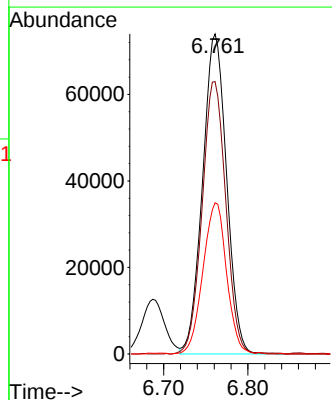
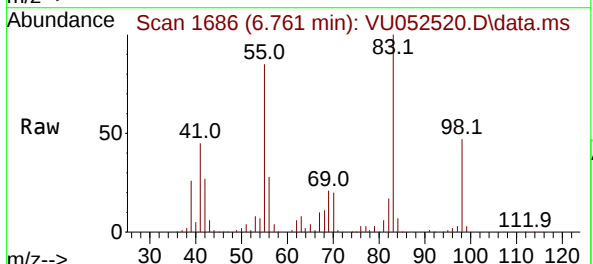
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

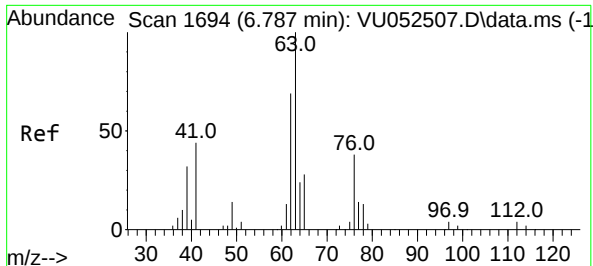
Tgt Ion: 95 Resp: 96205
Ion Ratio Lower Upper
95 100
97 63.1 46.3 86.1
132 89.7 63.9 118.7
130 90.9 65.9 122.5



#35
Methylcyclohexane
Concen: 5.640 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 83 Resp: 146521
Ion Ratio Lower Upper
83 100
55 84.4 71.4 107.0
98 46.5 36.5 54.7

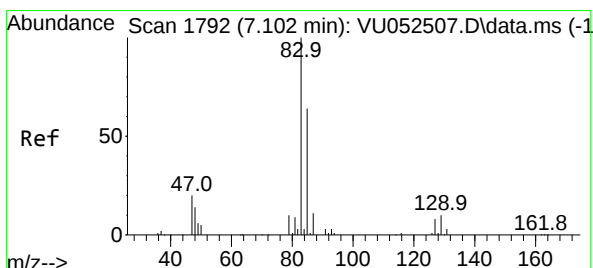
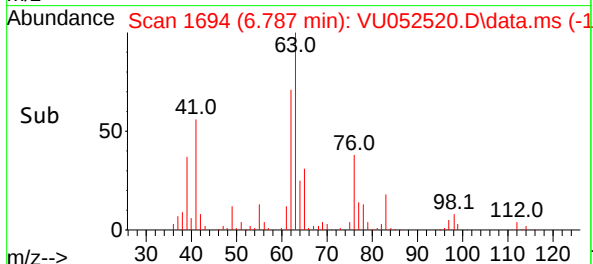
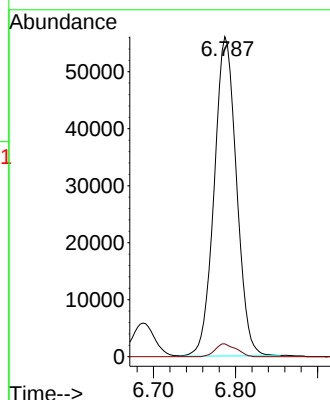
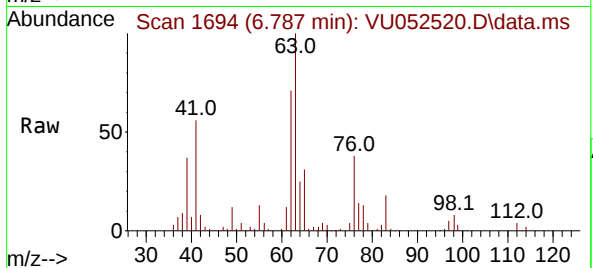




#37
1,2-Dichloropropane
Concen: 5.146 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

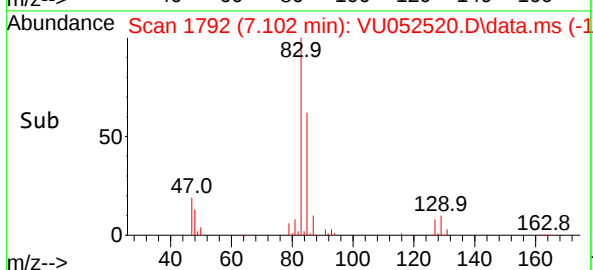
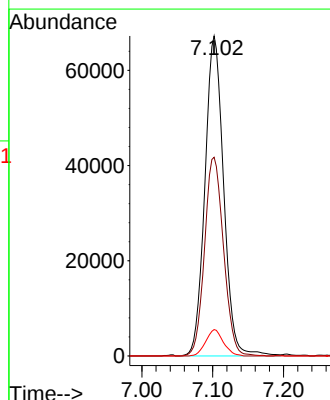
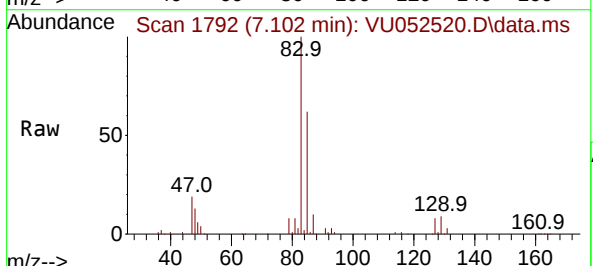
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

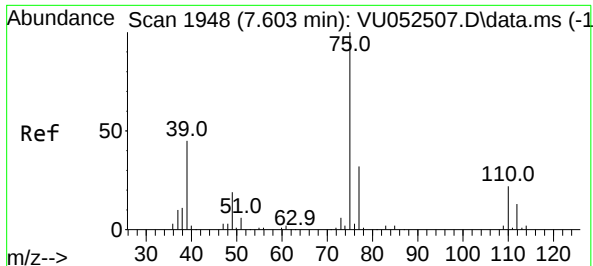
Tgt Ion: 63 Resp: 105826
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 4.938 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 83 Resp: 123612
Ion Ratio Lower Upper
83 100
85 62.1 45.2 84.0
127 8.3 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.414 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

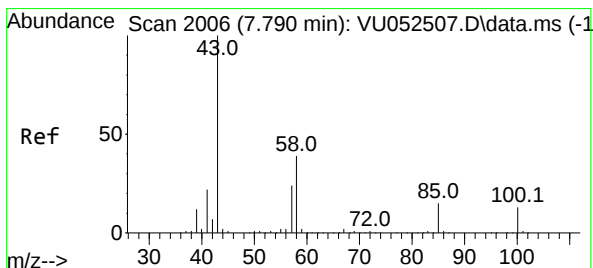
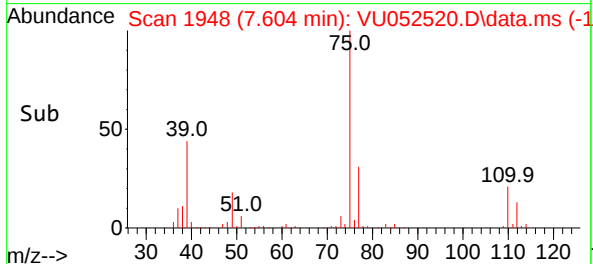
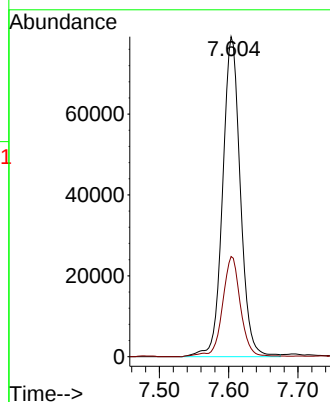
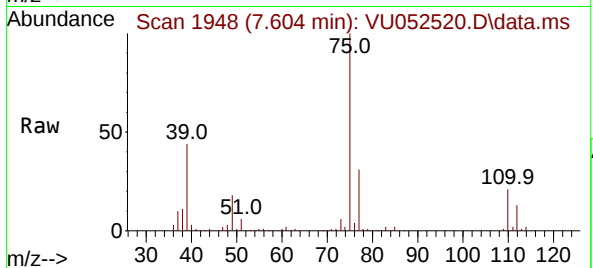
GBQA0MSD

Tgt Ion: 75 Resp: 141015

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 62.254 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

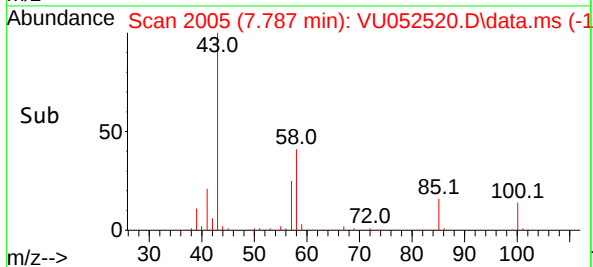
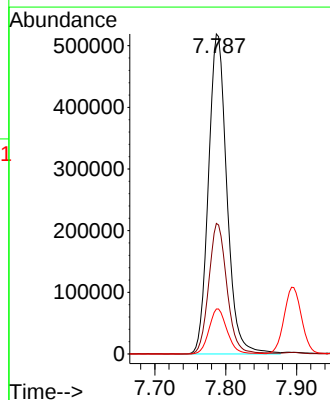
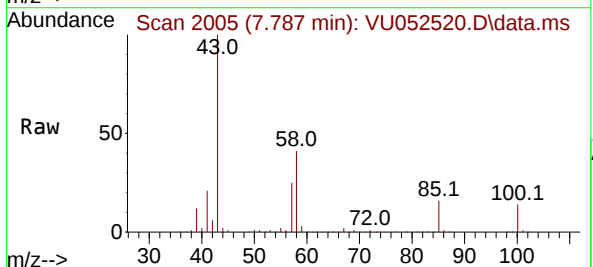
Tgt Ion: 43 Resp: 935571

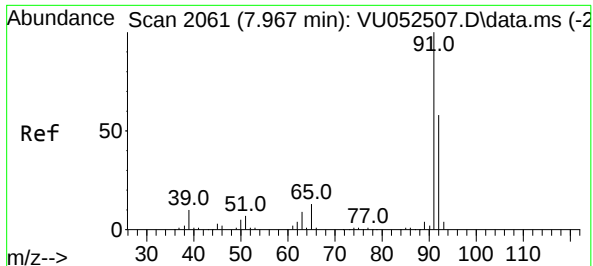
Ion Ratio Lower Upper

43 100

58 40.3 30.6 45.8

100 13.9 10.4 15.6





#42

Toluene

Concen: 5.510 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

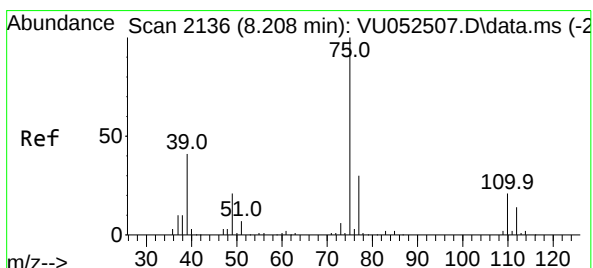
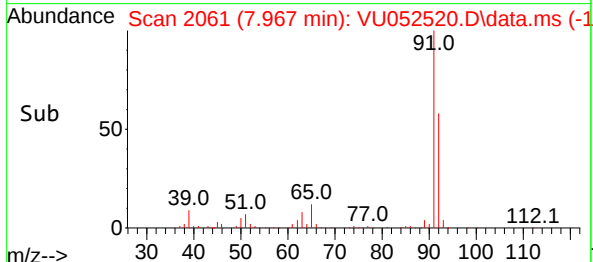
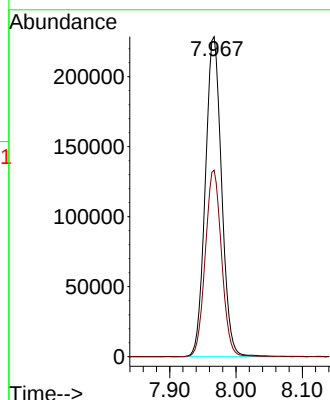
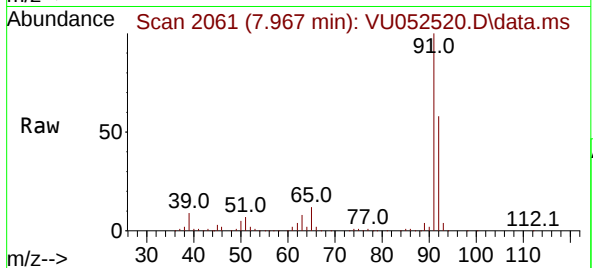
GBQA0MSD

Tgt Ion: 91 Resp: 389343

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.493 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052520.D

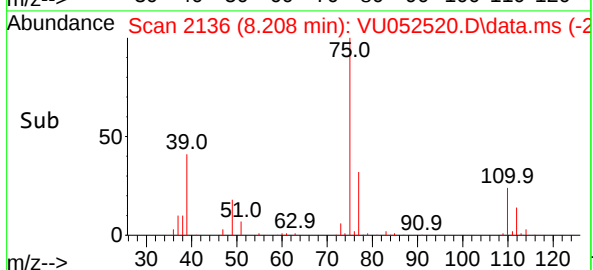
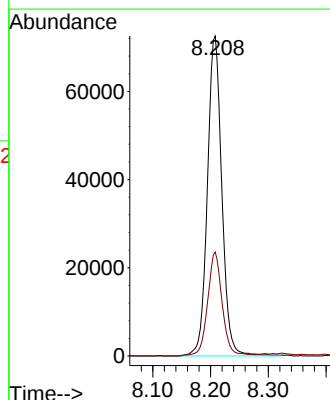
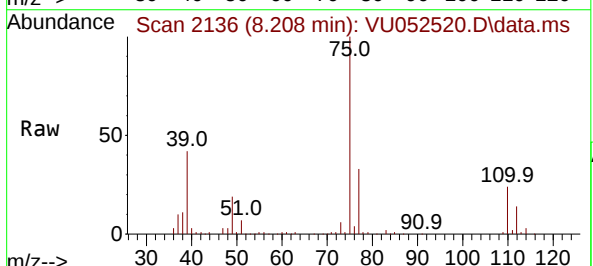
Acq: 23 Dec 2022 02:47

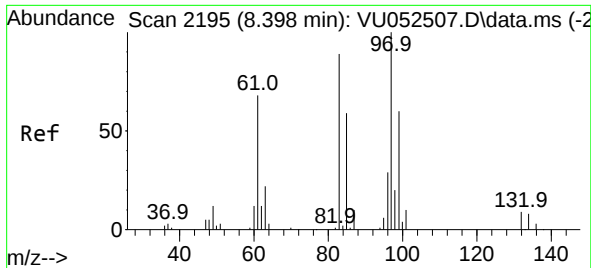
Tgt Ion: 75 Resp: 126067

Ion Ratio Lower Upper

75 100

77 32.5 22.8 42.4

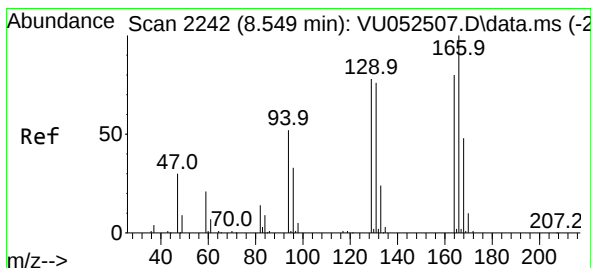
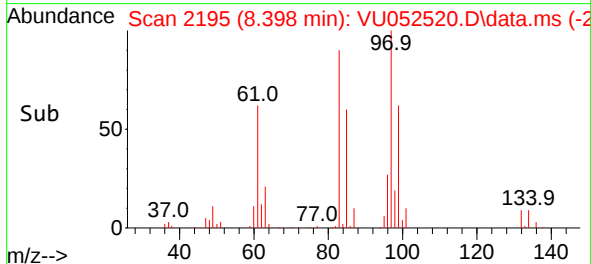
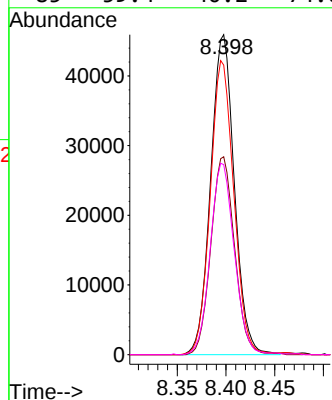
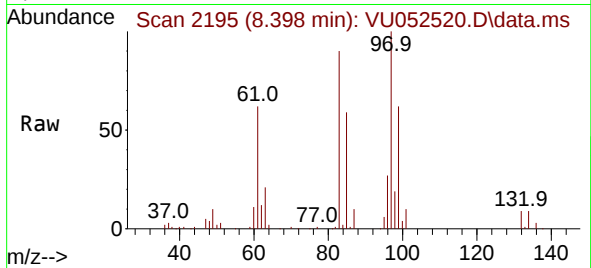




#45
1,1,2-Trichloroethane
Concen: 5.332 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

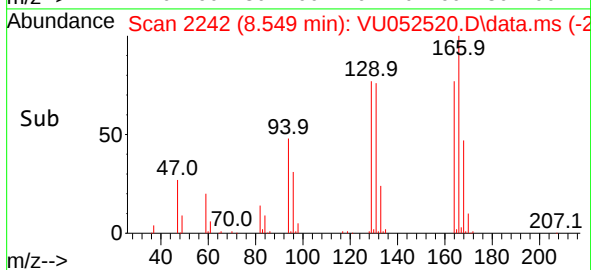
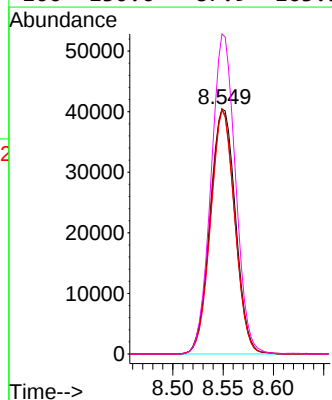
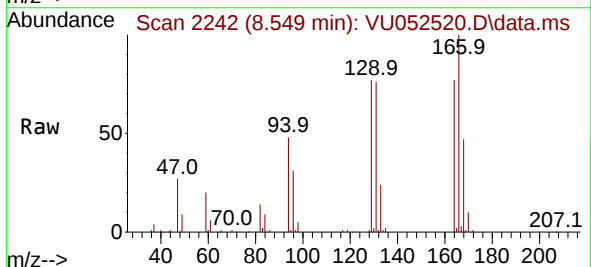
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

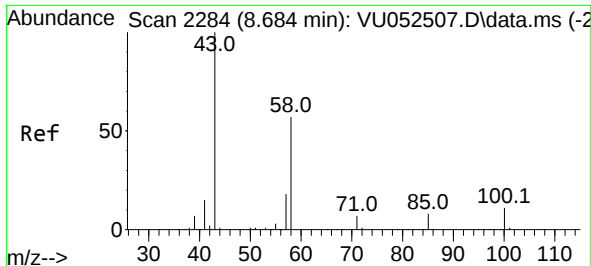
Tgt Ion: 97	Resp: 77667
Ion Ratio	Lower Upper
97 100	
99 61.8	42.0 78.0
83 90.5	63.2 117.4
85 59.4	40.2 74.6



#47
Tetrachloroethene
Concen: 5.864 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt	Ion:164	Resp:	70526
Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.1	126.5
131	99.5	66.5	123.5
166	130.6	87.9	163.3



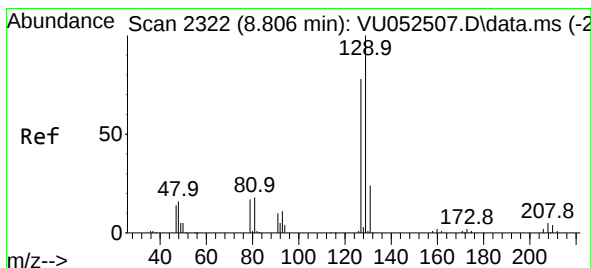
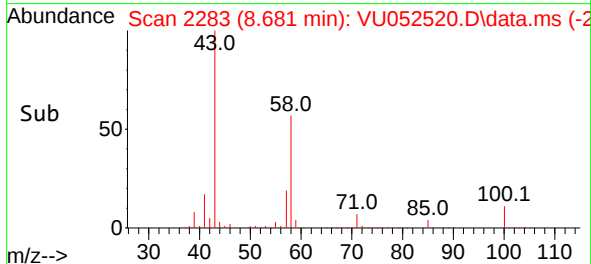
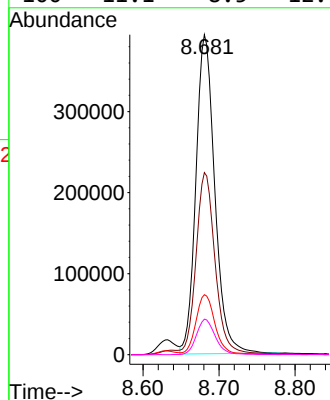
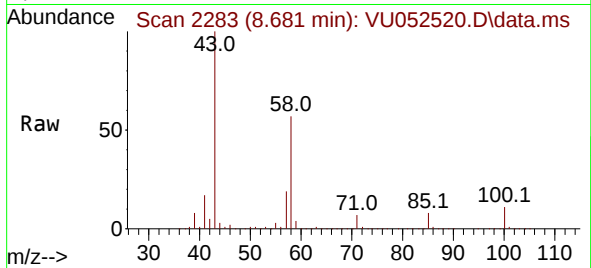


#48
2-Hexanone
Concen: 60.145 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

Tgt Ion: 43 Resp: 681322

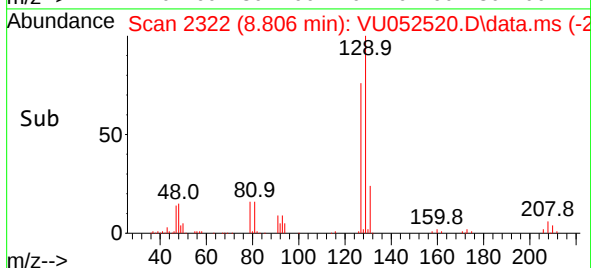
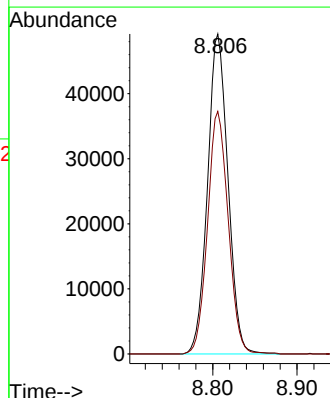
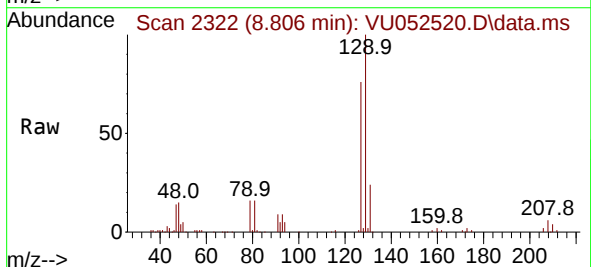
Ion	Ratio	Lower	Upper
43	100		
58	57.1	44.1	66.1
57	18.9	14.6	21.8
100	11.1	8.5	12.7

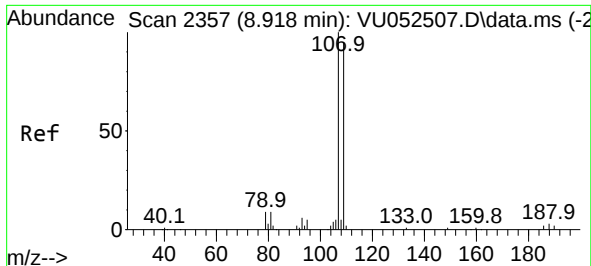


#49
Dibromochloromethane
Concen: 5.374 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 129 Resp: 82880

Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.2	100.6

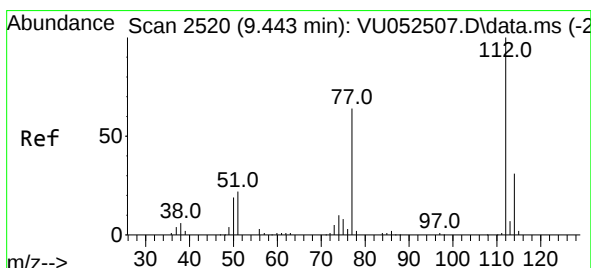
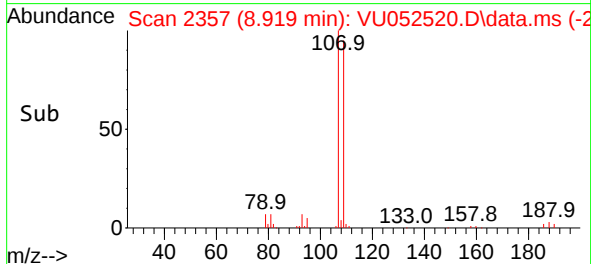
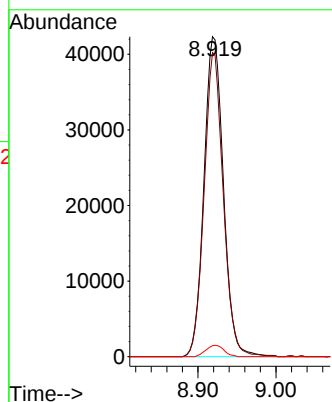
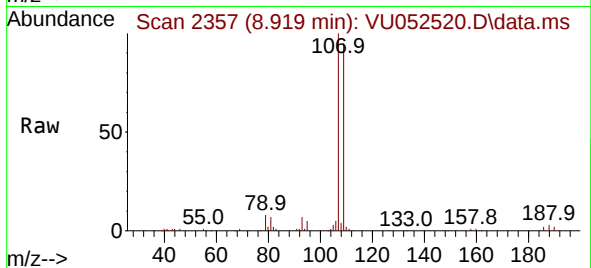




#50
1,2-Dibromoethane
Concen: 5.546 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

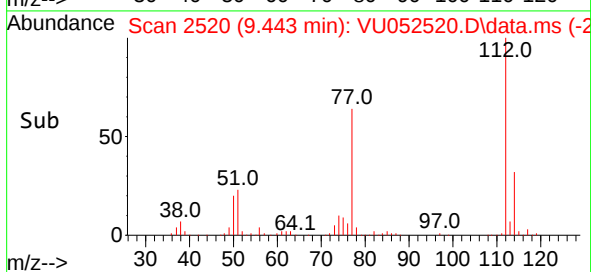
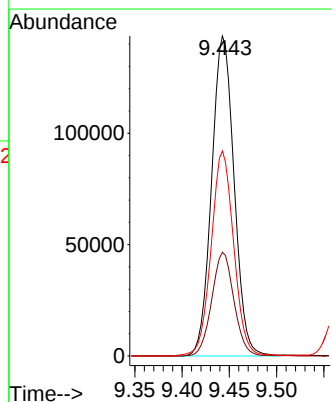
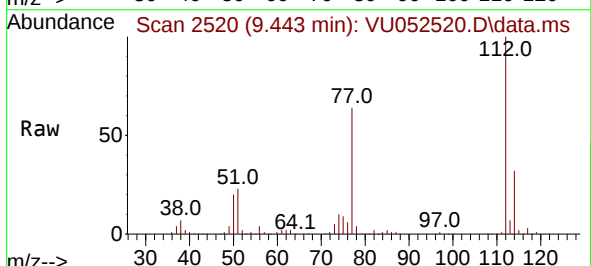
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

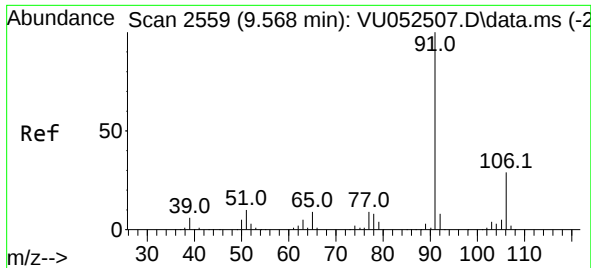
Tgt Ion:107 Resp: 73426
Ion Ratio Lower Upper
107 100
109 95.0 65.8 122.2
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 5.266 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:112 Resp: 237646
Ion Ratio Lower Upper
112 100
114 32.4 21.3 39.5
77 64.1 51.0 76.6

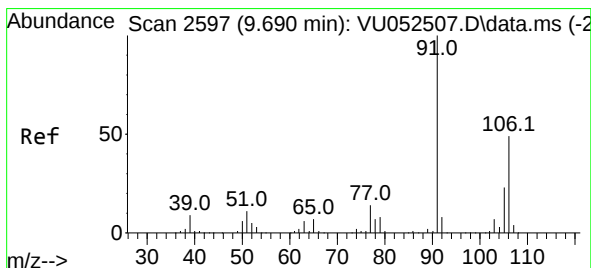
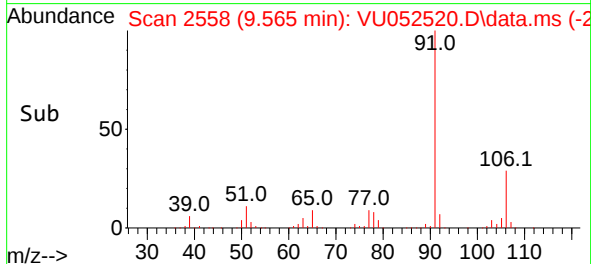
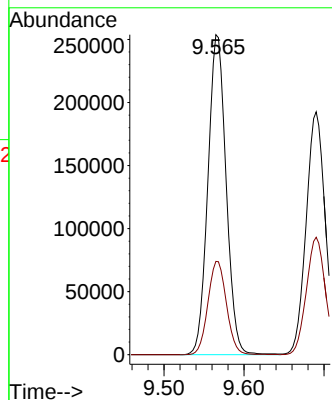
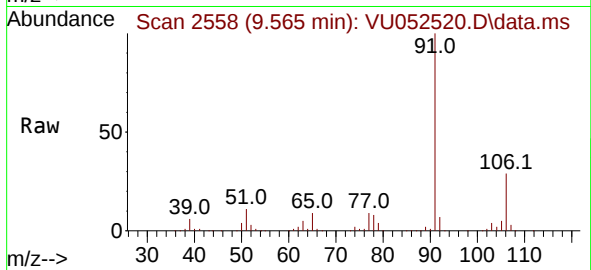




#52
Ethylbenzene
Concen: 5.500 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

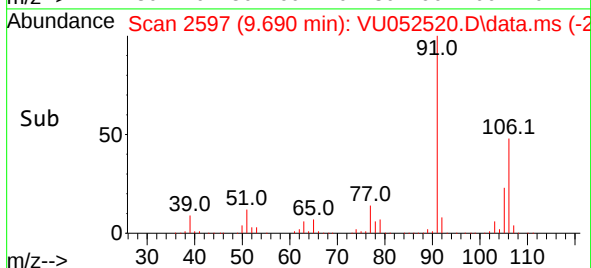
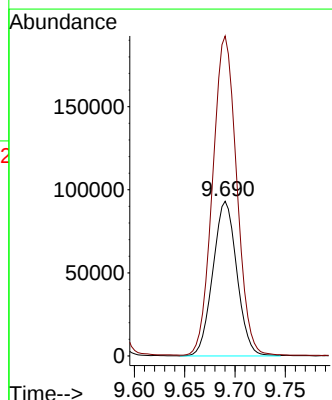
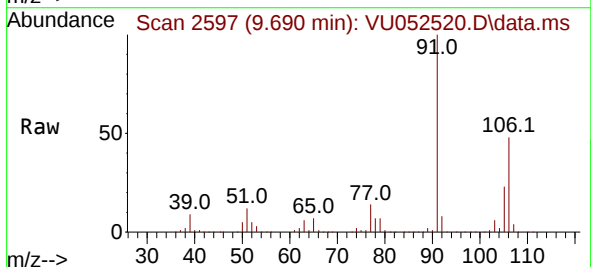
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

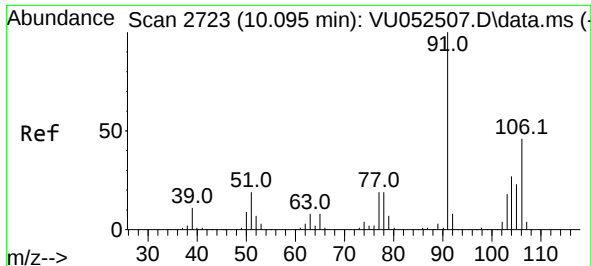
Tgt Ion: 91 Resp: 402205
Ion Ratio Lower Upper
91 100
106 29.1 20.9 38.7



#53
m,p-Xylene
Concen: 5.731 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:106 Resp: 154529
Ion Ratio Lower Upper
106 100
91 206.9 148.2 275.2

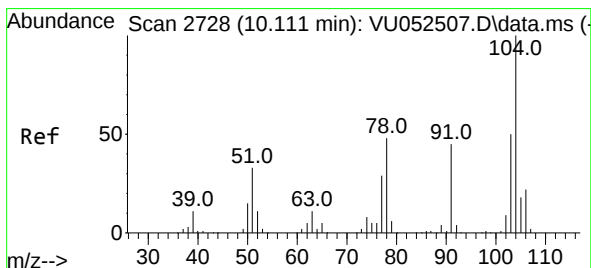
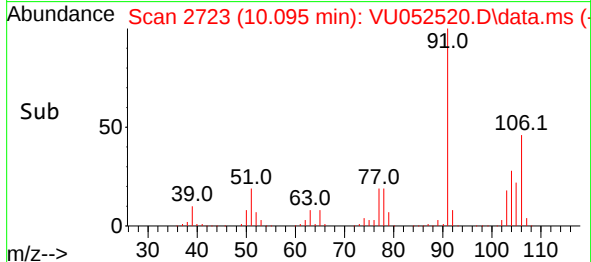
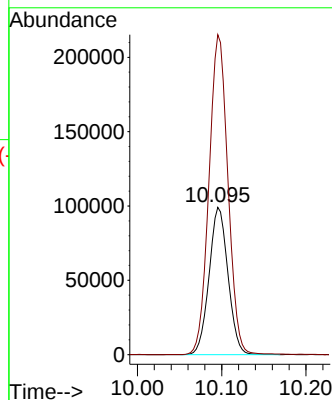
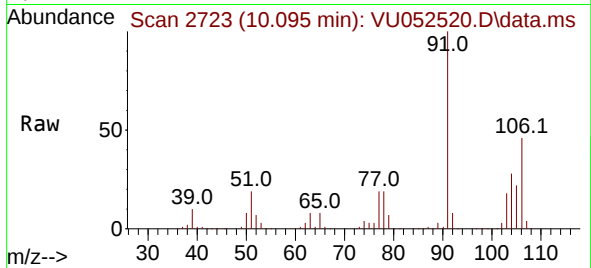




#54
o-Xylene
Concen: 5.986 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

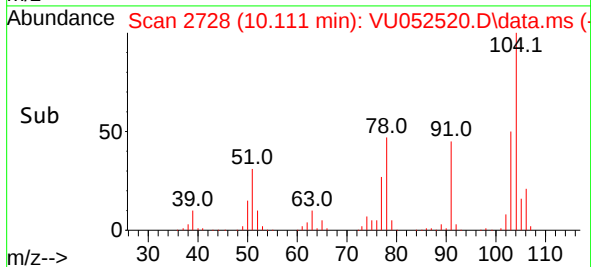
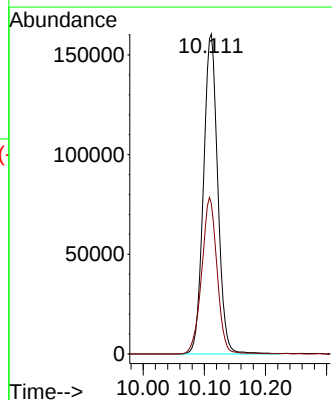
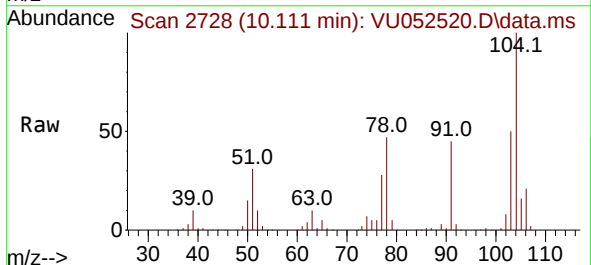
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

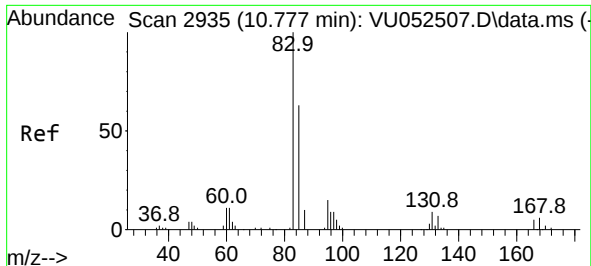
Tgt Ion:106 Resp: 154742
Ion Ratio Lower Upper
106 100
91 217.1 153.2 284.4



#55
Styrene
Concen: 5.808 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:104 Resp: 261164
Ion Ratio Lower Upper
104 100
78 46.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.515 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

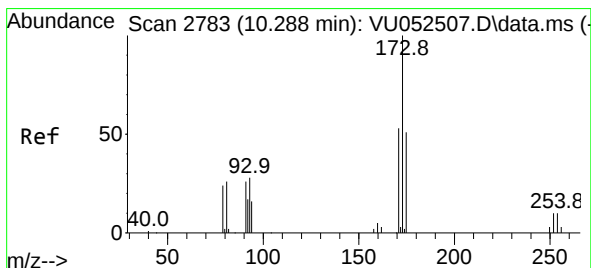
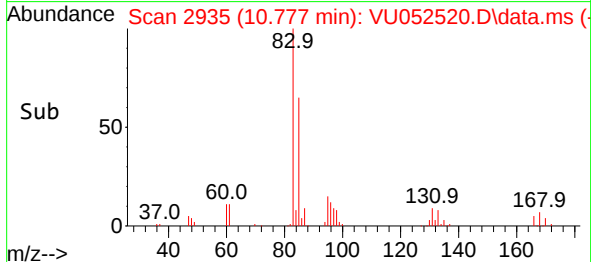
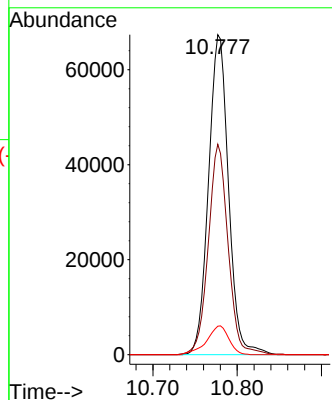
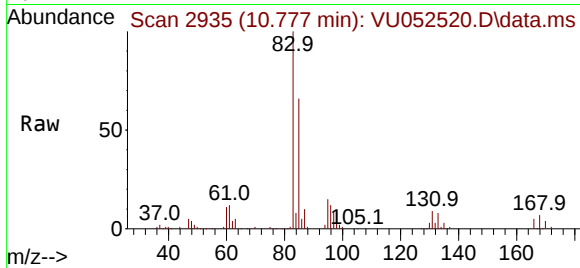
Tgt Ion: 83 Resp: 111050

Ion Ratio Lower Upper

83 100

85 65.8 44.7 83.1

131 8.9 6.0 9.0



#59

Bromoform

Concen: 5.127 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

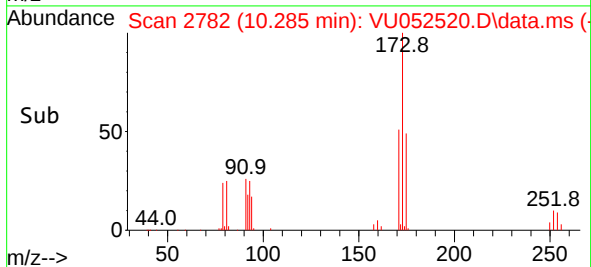
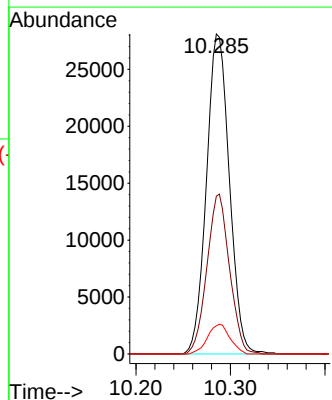
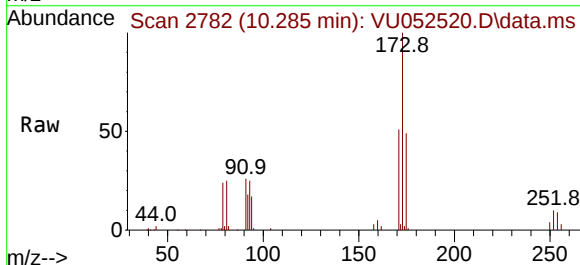
Tgt Ion:173 Resp: 47305

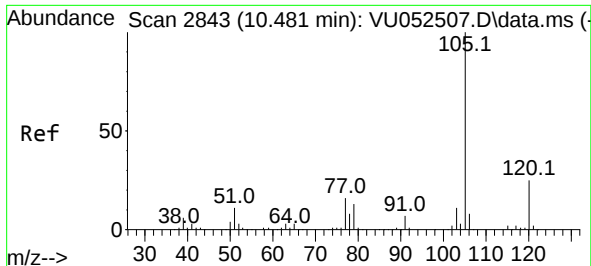
Ion Ratio Lower Upper

173 100

175 49.1 38.9 58.3

254 9.1 7.0 10.6

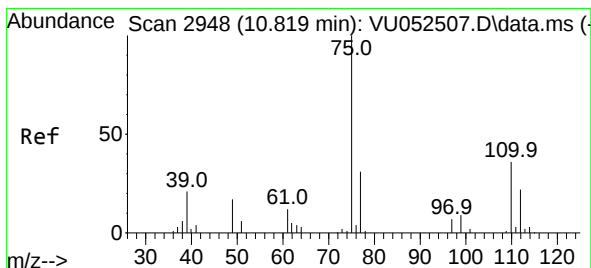
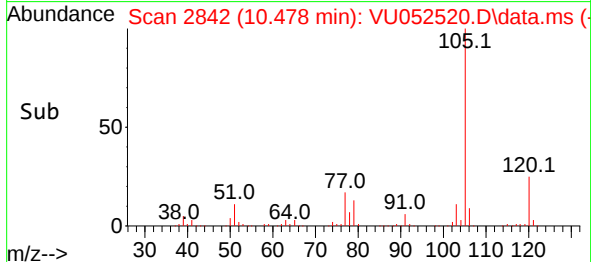
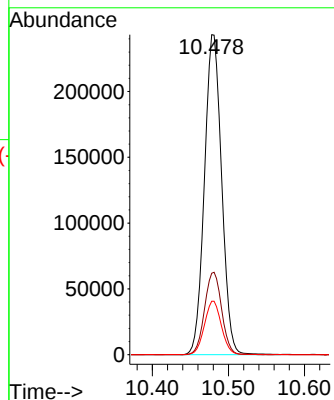
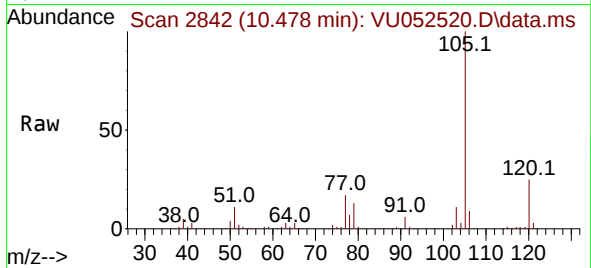




#60
Isopropylbenzene
Concen: 5.617 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

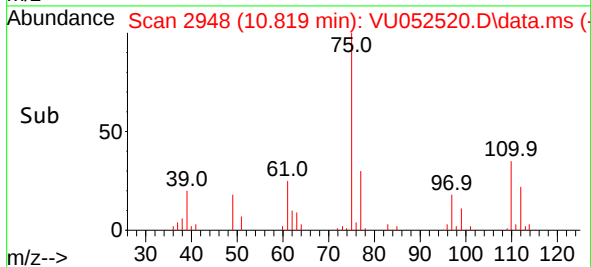
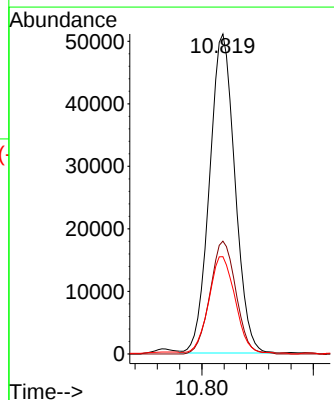
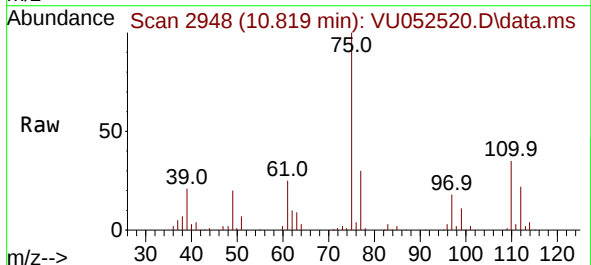
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

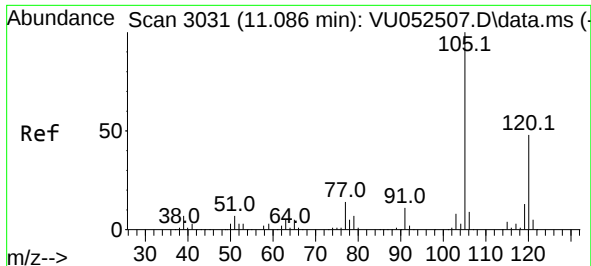
Tgt Ion:105 Resp: 382273
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.363 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion: 75 Resp: 80764
Ion Ratio Lower Upper
75 100
110 36.0 27.9 41.9
77 32.2 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.729 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

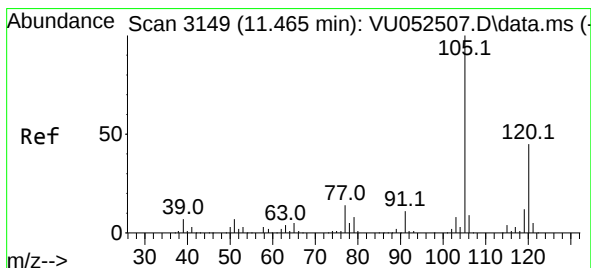
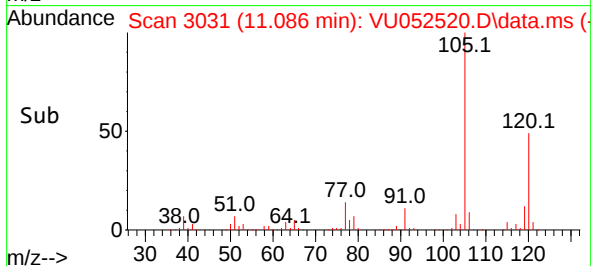
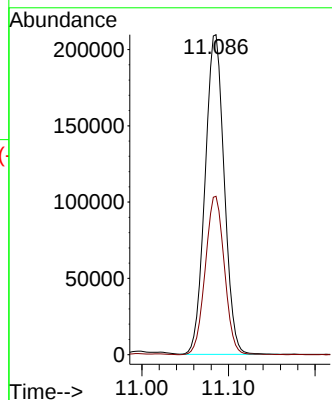
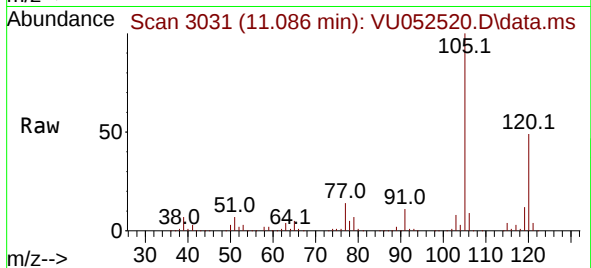
GBQA0MSD

Tgt Ion:105 Resp: 321595

Ion Ratio Lower Upper

105 100

120 49.5 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.886 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052520.D

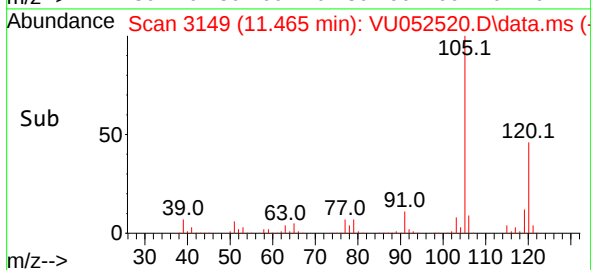
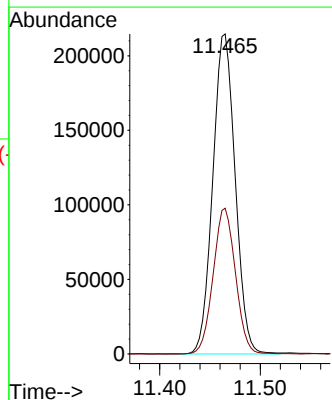
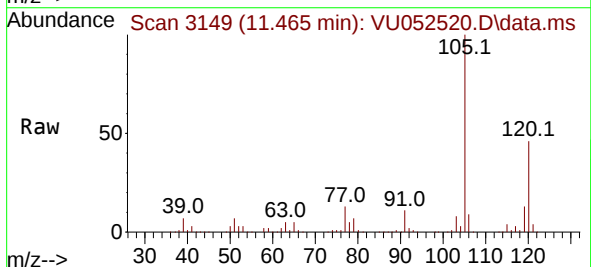
Acq: 23 Dec 2022 02:47

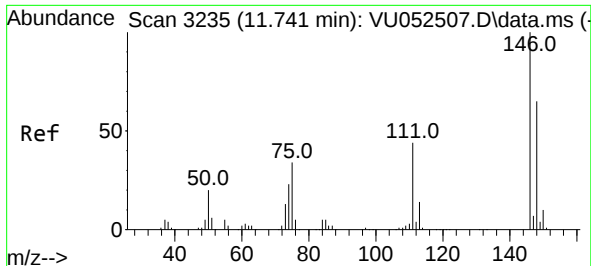
Tgt Ion:105 Resp: 332590

Ion Ratio Lower Upper

105 100

120 45.4 35.6 53.4

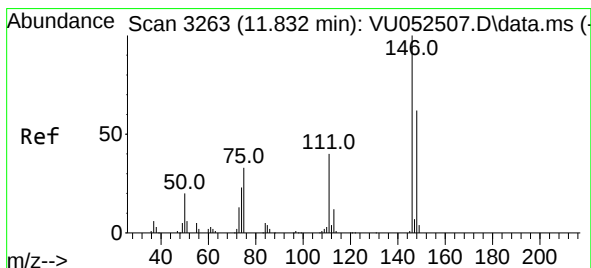
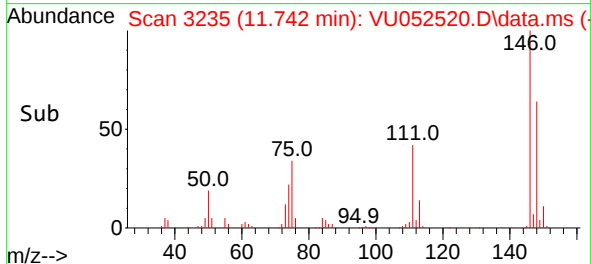
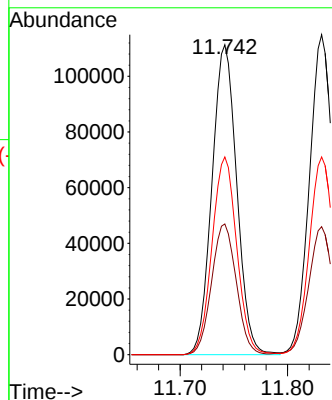
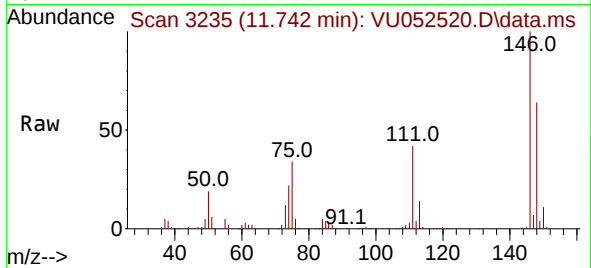




#64
1,3-Dichlorobenzene
Concen: 5.284 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

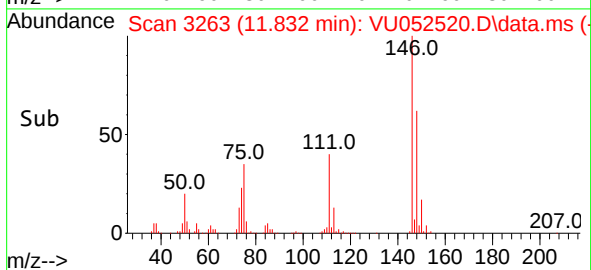
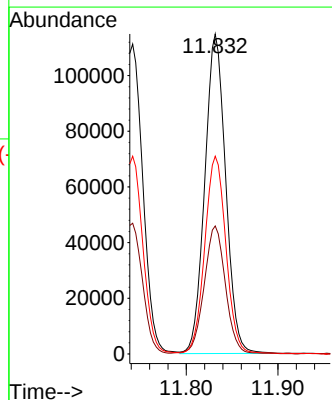
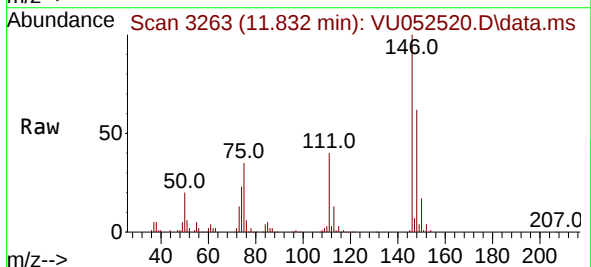
Instrument :
MSVOA_U
ClientSampleId :
GBQA0MSD

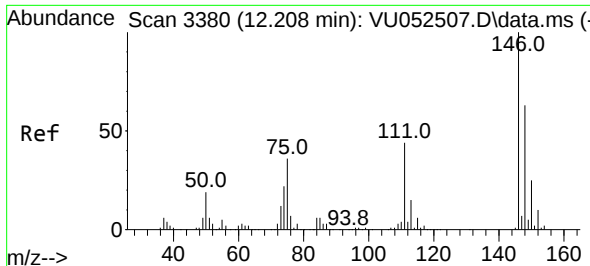
Tgt Ion:146 Resp: 178438
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 63.8 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.210 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052520.D
Acq: 23 Dec 2022 02:47

Tgt Ion:146 Resp: 181935
Ion Ratio Lower Upper
146 100
111 40.0 27.5 51.1
148 61.8 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.297 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

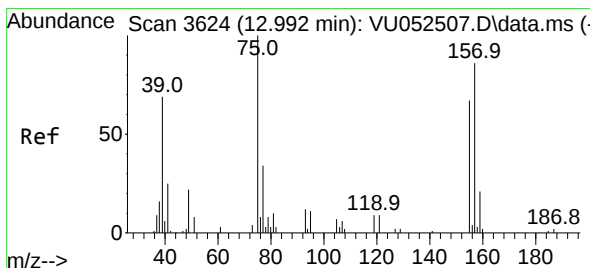
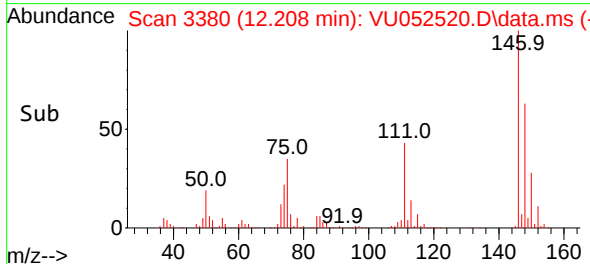
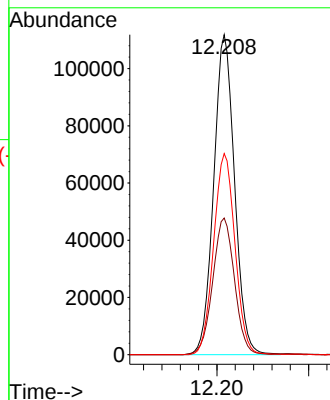
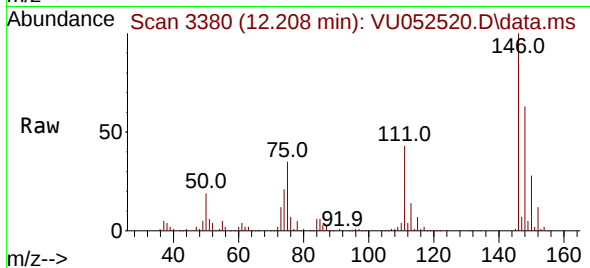
Tgt Ion:146 Resp: 176744

Ion Ratio Lower Upper

146 100

111 42.7 36.6 55.0

148 62.8 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.554 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

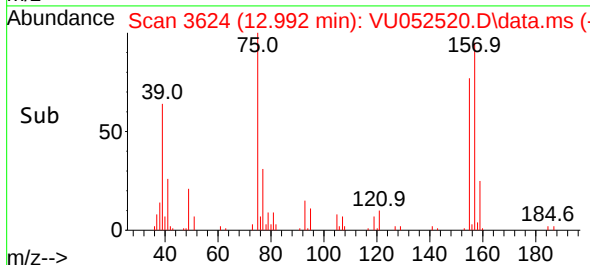
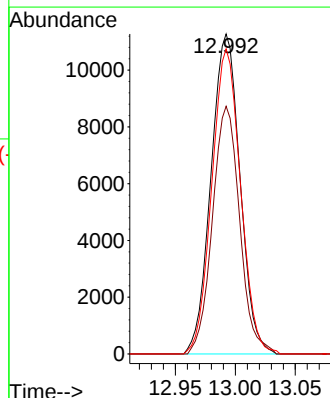
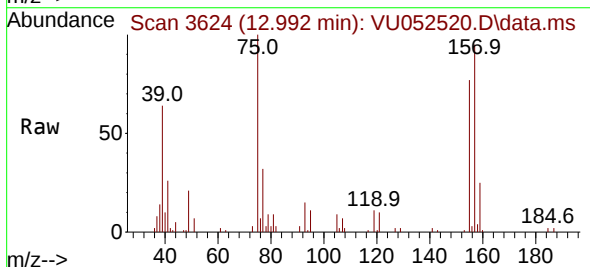
Tgt Ion: 75 Resp: 18933

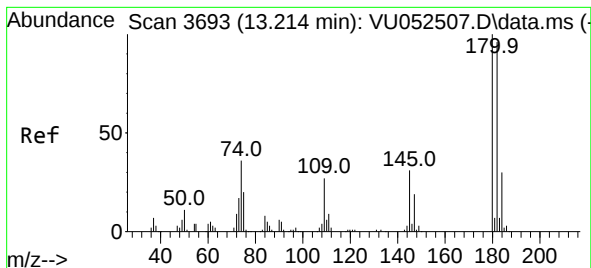
Ion Ratio Lower Upper

75 100

155 77.4 62.2 93.2

157 95.4 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 5.237 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

Tgt Ion:180 Resp: 130214

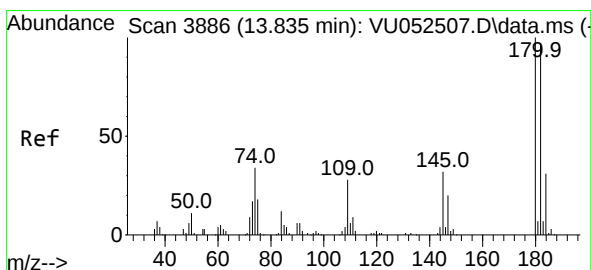
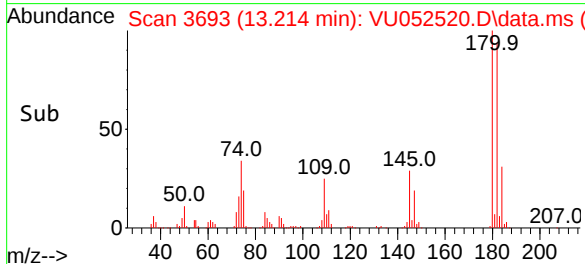
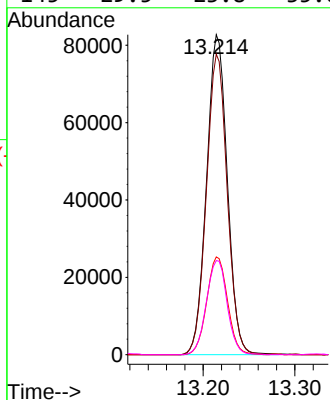
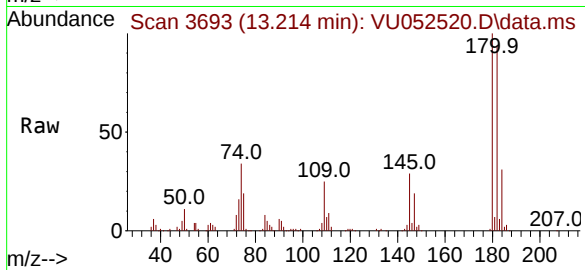
Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.8

184 30.6 23.4 35.0

145 29.5 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.642 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

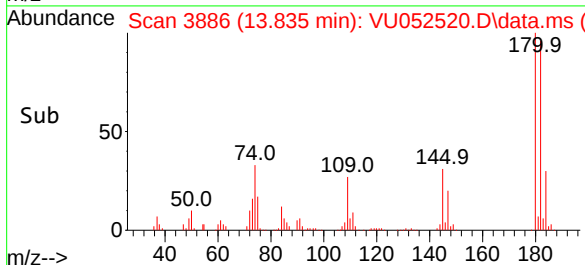
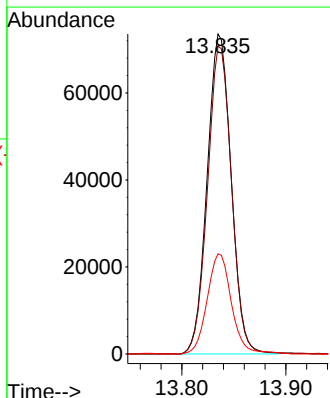
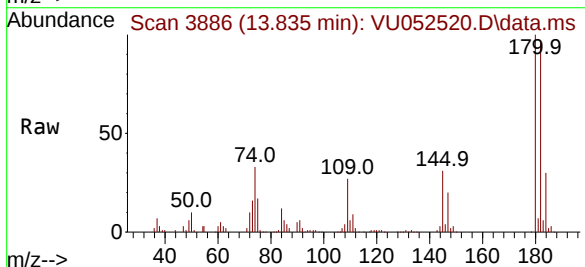
Tgt Ion:180 Resp: 118043

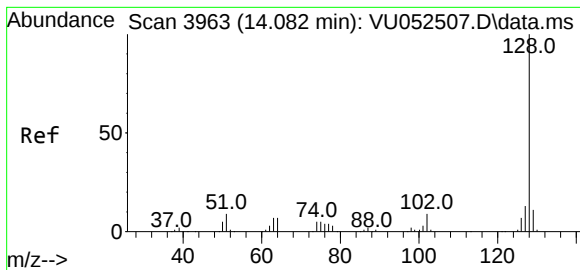
Ion Ratio Lower Upper

180 100

182 96.0 77.7 116.5

145 31.7 24.0 36.0





#71

Naphthalene

Concen: 6.684 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Instrument :

MSVOA_U

ClientSampleId :

GBQA0MSD

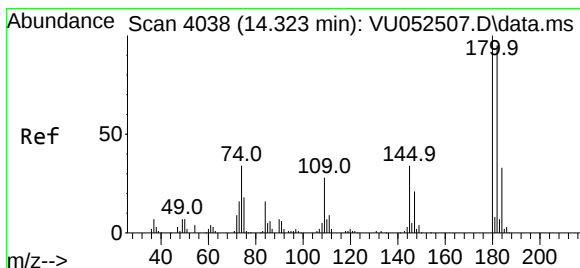
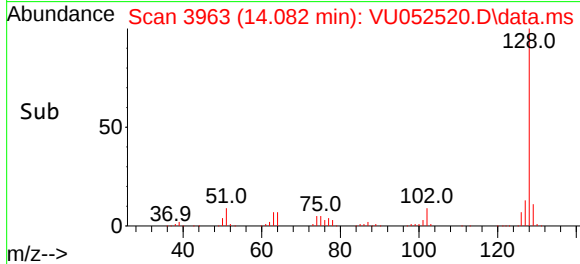
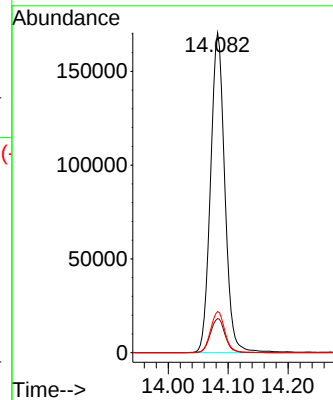
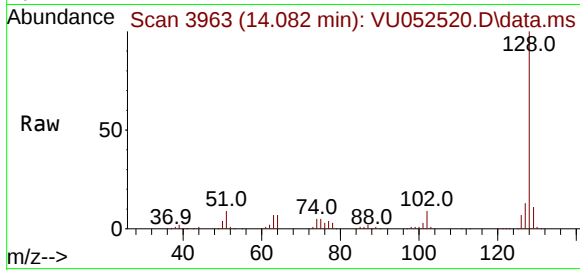
Tgt Ion:128 Resp: 282979

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.9 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 5.552 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052520.D

Acq: 23 Dec 2022 02:47

Tgt Ion:180 Resp: 116434

Ion Ratio Lower Upper

180 100

182 96.3 76.3 114.5

145 34.3 25.8 38.8

