

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052522.D
 Acq On : 23 Dec 2022 03:34
 Operator : JC/MD
 Sample : N6170-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

Quant Time: Dec 23 06:46:06 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	229932	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	211520	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	110334	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	78043	3.350	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.916	69	75779	3.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.568	65	35367	3.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.633	46	388259	53.748	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.500%
24) Chloroform-d	5.060	84	158786	4.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
26) 1,2-Dichloroethane-d4	5.697	65	94305	4.137	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.726	84	320649	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.687	67	112786	4.518	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.893	98	282557	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.176	79	41679	4.876	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.629	63	296431	63.384	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	105790	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	102788	4.576	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	82743	4.044	ug/L	99
3) Chloromethane	1.520	50	121001	4.097	ug/L	100
5) Vinyl chloride	1.604	62	117103	4.374	ug/L	95
6) Bromomethane	1.861	94	59058	3.870	ug/L	96
8) Chloroethane	1.935	64	72940	3.978	ug/L	98
9) Trichlorofluoromethane	2.141	101	127417	4.210	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	72582	4.034	ug/L	97
12) 1,1-Dichloroethene	2.581	96	79839	4.636	ug/L	91
13) Acetone	2.652	43	268005	50.327	ug/L	98
14) Carbon disulfide	2.793	76	237865	4.287	ug/L	99
15) Methyl Acetate	2.957	43	73747	6.286	ug/L	94
16) Methylene chloride	3.044	84	101963	4.192	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	241444	5.252	ug/L	# 89
18) trans-1,2-Dichloroethene	3.353	96	96479	5.436	ug/L	98
19) 1,1-Dichloroethane	3.867	63	174546	4.522	ug/L	99
21) 2-Butanone	4.713	43	433125	55.226	ug/L	94
22) cis-1,2-Dichloroethene	4.665	96	259648	13.331	ug/L	99
23) Bromochloromethane	4.973	128	42993	4.763	ug/L	97
25) Chloroform	5.086	83	165640	4.429	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052522.D
 Acq On : 23 Dec 2022 03:34
 Operator : JC/MD
 Sample : N6170-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

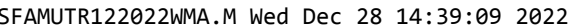
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

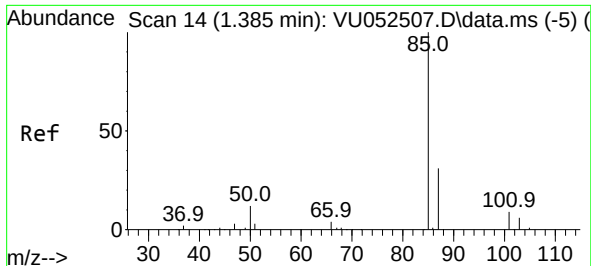
Quant Time: Dec 23 06:46:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	119327	4.619	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	129063	4.848	ug/L	96
30) Cyclohexane	5.385	56	155239	5.396	ug/L	99
31) Carbon tetrachloride	5.523	117	102905	4.399	ug/L	100
33) Benzene	5.771	78	394334	5.176	ug/L	100
34) Trichloroethene	6.539	95	3615967	203.019	ug/L	99
35) Methylcyclohexane	6.761	83	141663	5.275	ug/L	95
37) 1,2-Dichloropropane	6.787	63	106005	4.986	ug/L	100
38) Bromodichloromethane	7.102	83	120609	4.661	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	141778	5.265	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	939243	60.457	ug/L	97
42) Toluene	7.967	91	396398	5.426	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	122761	5.174	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	77566	5.151	ug/L	99
47) Tetrachloroethene	8.552	164	1628169	130.960	ug/L	98
48) 2-Hexanone	8.681	43	681567	58.201	ug/L	98
49) Dibromochloromethane	8.806	129	80209	5.031	ug/L	97
50) 1,2-Dibromoethane	8.919	107	72784	5.317	ug/L #	99
51) Chlorobenzene	9.443	112	233781	5.012	ug/L	99
52) Ethylbenzene	9.565	91	399121	5.280	ug/L	99
53) m,p-Xylene	9.690	106	157481	5.649	ug/L	98
54) o-Xylene	10.095	106	159414	5.966	ug/L	99
55) Styrene	10.111	104	257971	5.549	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	112998	5.429	ug/L	100
59) Bromoform	10.285	173	47525	4.903	ug/L	98
60) Isopropylbenzene	10.478	105	378966	5.299	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	80031	5.057	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	314199	5.327	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	329506	5.550	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	174539	4.919	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	179070	4.880	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	173482	4.948	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	19288	5.385	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	126842	4.855	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	116850	5.315	ug/L	97
71) Naphthalene	14.082	128	274622	6.174	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	116370	5.281	ug/L	99

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

Quant Time: Dec 23 06:46:06 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

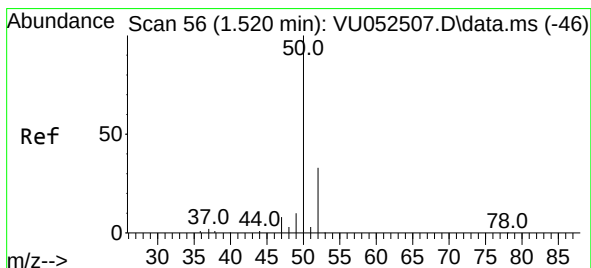
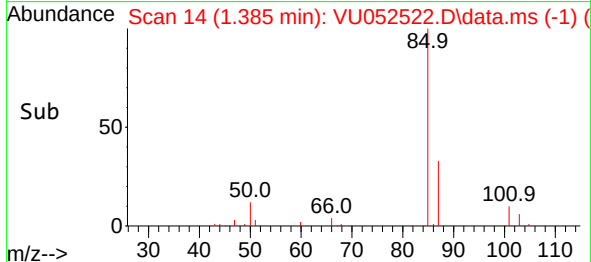
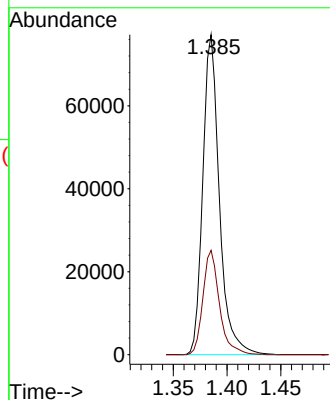
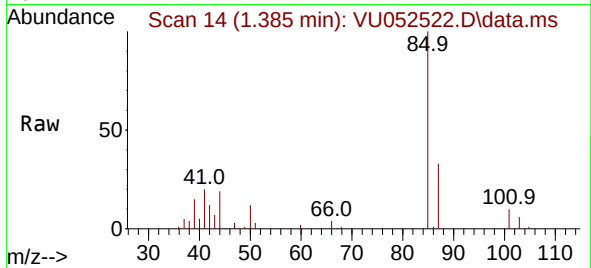




#2
Dichlorodifluoromethane
Concen: 4.044 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

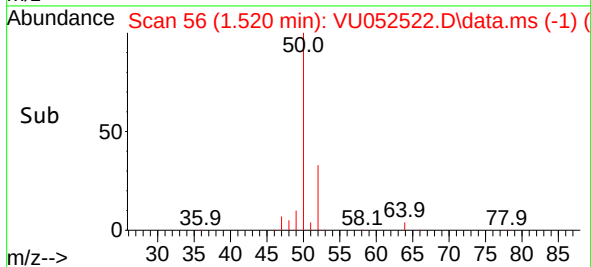
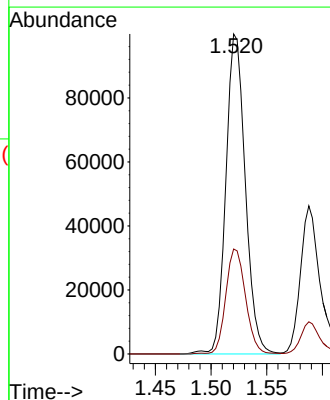
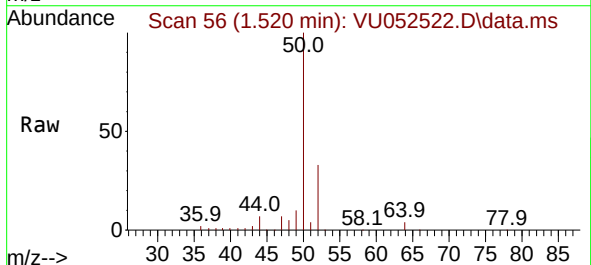
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

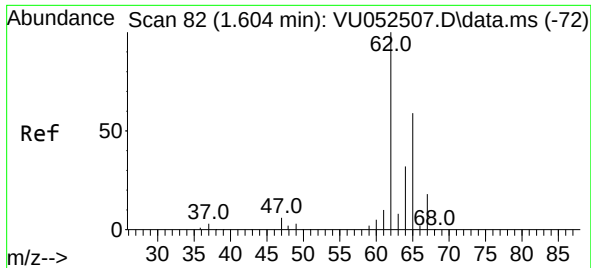
Tgt Ion: 85 Resp: 82743
Ion Ratio Lower Upper
85 100
87 32.6 25.6 38.4



#3
Chloromethane
Concen: 4.097 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 50 Resp: 121001
Ion Ratio Lower Upper
50 100
52 32.8 23.0 42.6

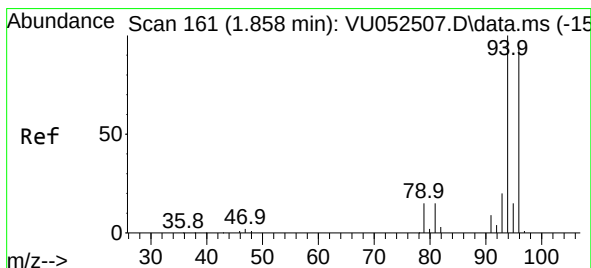
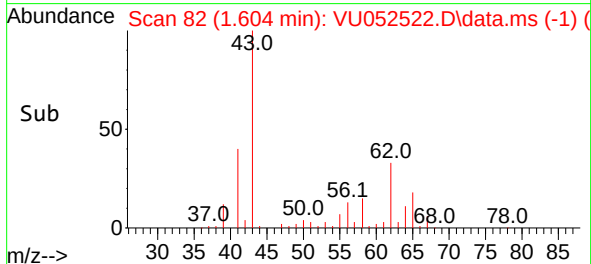
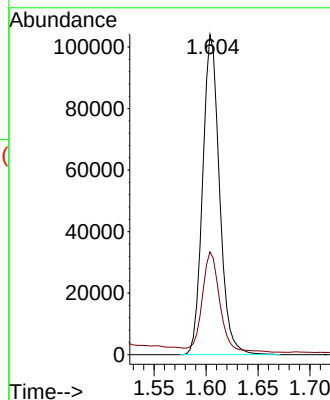
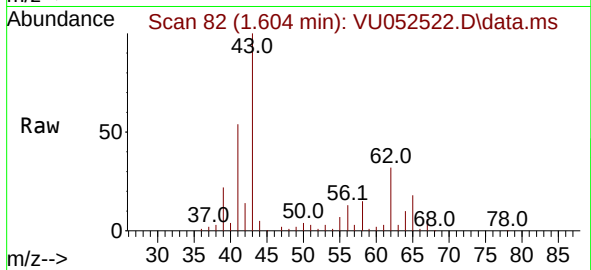




#5
 Vinyl chloride
 Concen: 4.374 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

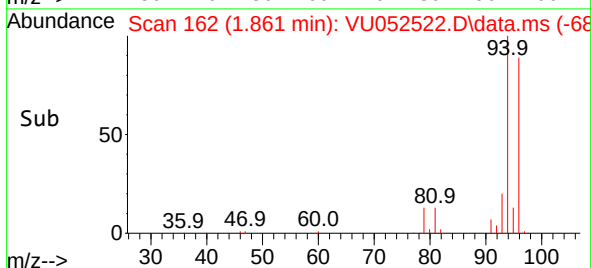
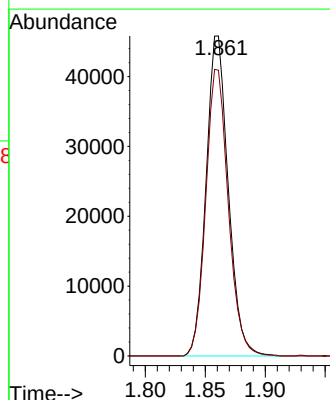
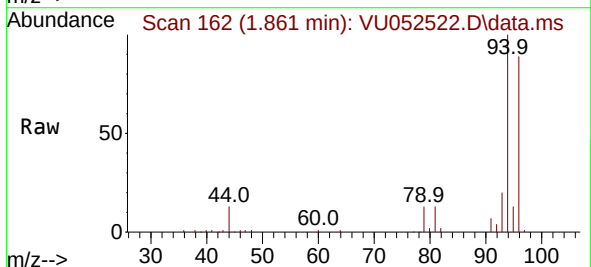
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

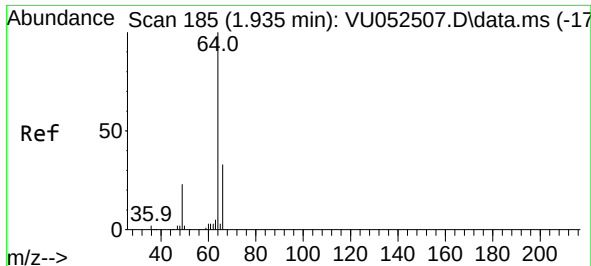
Tgt Ion: 62 Resp: 117103
 Ion Ratio Lower Upper
 62 100
 64 32.1 24.4 45.4



#6
 Bromomethane
 Concen: 3.870 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

Tgt Ion: 94 Resp: 59058
 Ion Ratio Lower Upper
 94 100
 96 89.3 65.0 120.8

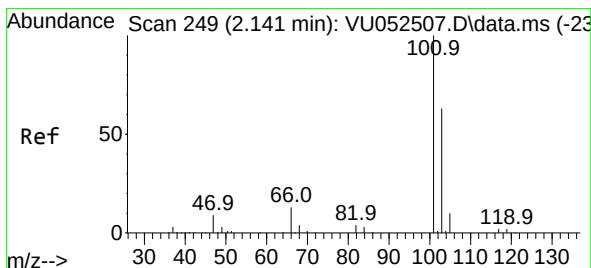
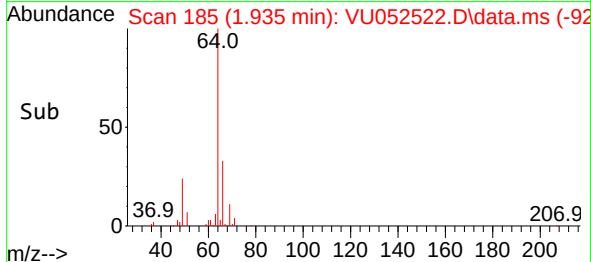
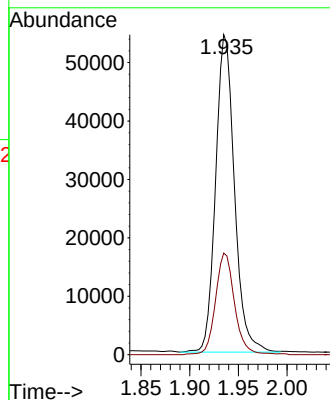
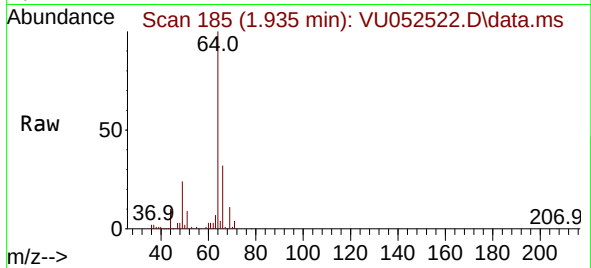




#8
Chloroethane
Concen: 3.978 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

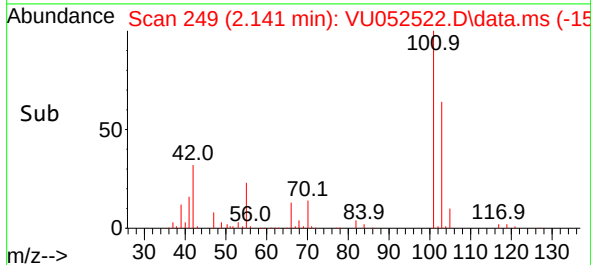
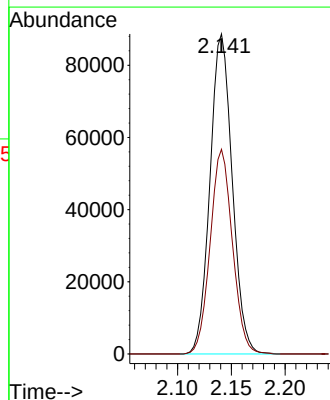
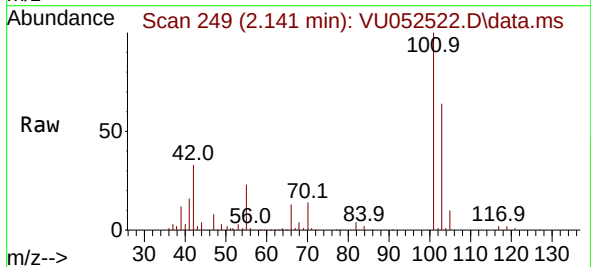
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

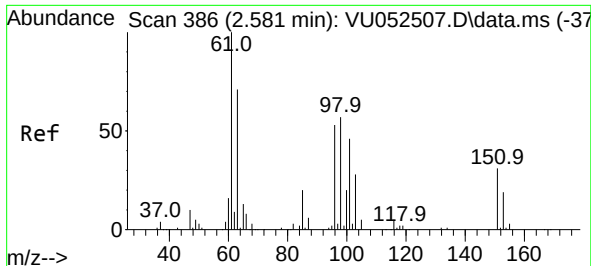
Tgt Ion: 64 Resp: 72940
Ion Ratio Lower Upper
64 100
66 31.7 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.210 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 101 Resp: 127417
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

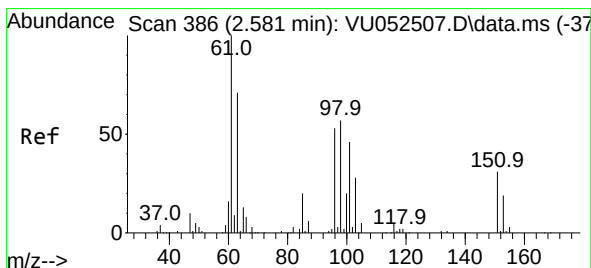
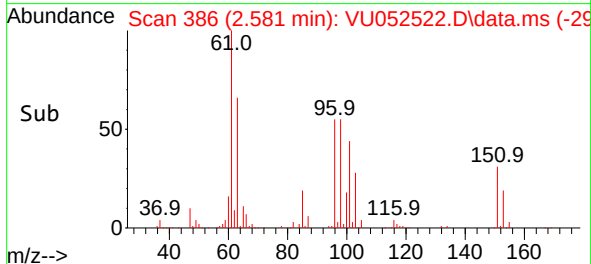
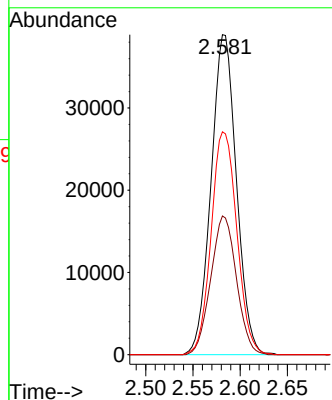
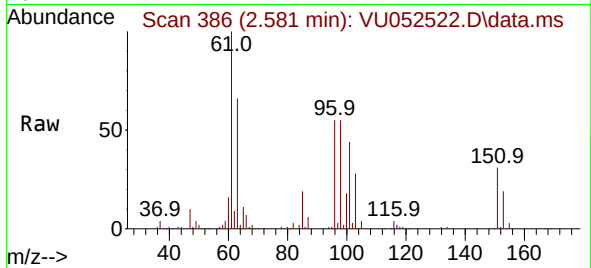




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.034 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

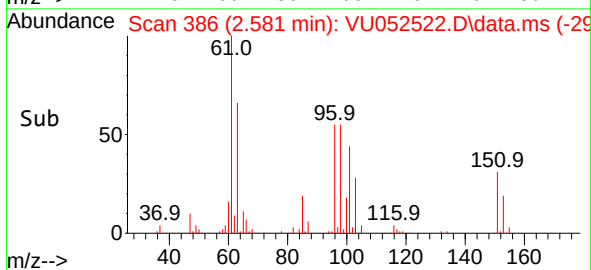
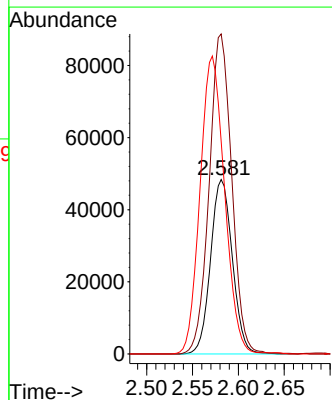
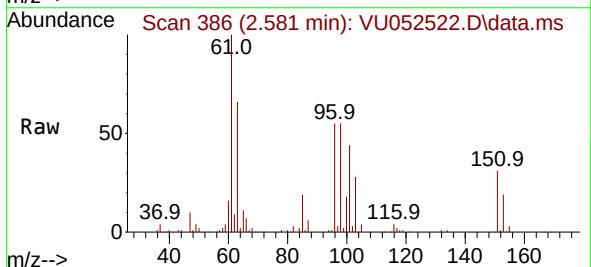
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

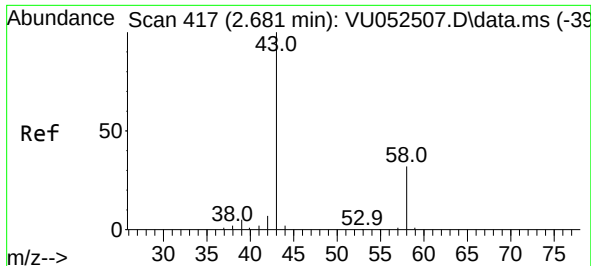
Tgt Ion:101 Resp: 72582
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.8 53.6
 151 70.7 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.636 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

Tgt Ion: 96 Resp: 79839
 Ion Ratio Lower Upper
 96 100
 61 183.4 135.4 251.4
 63 122.0 95.4 177.2





#13

Acetone

Concen: 50.327 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.029 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

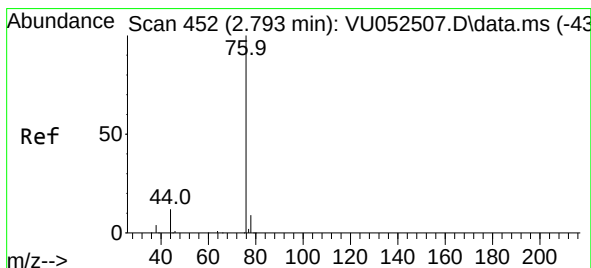
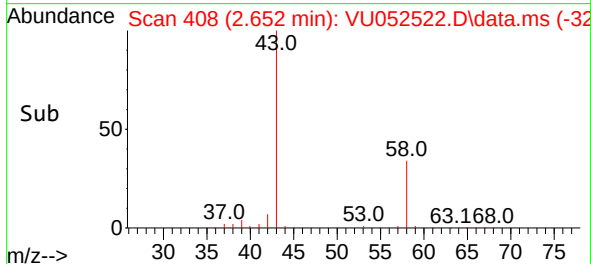
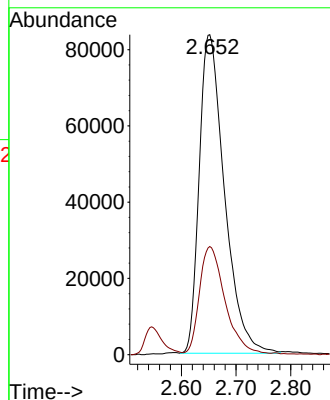
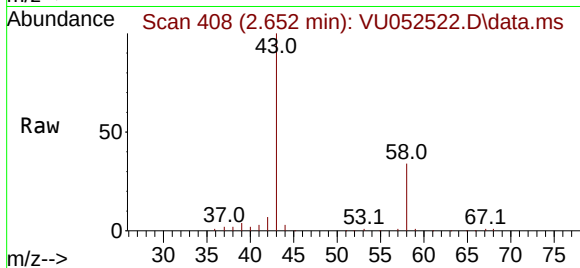
GBQB0MSD

Tgt Ion: 43 Resp: 268005

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.4



#14

Carbon disulfide

Concen: 4.287 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052522.D

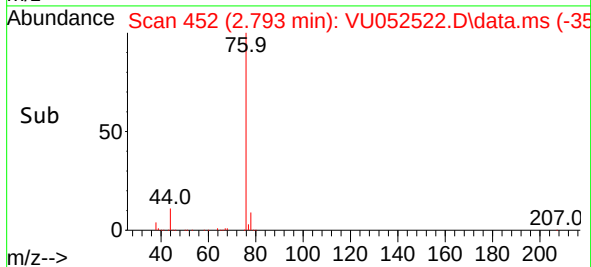
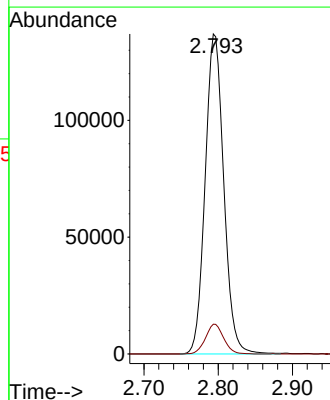
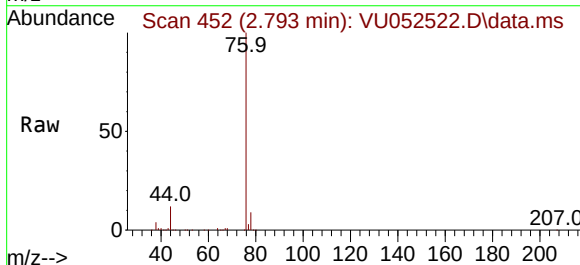
Acq: 23 Dec 2022 03:34

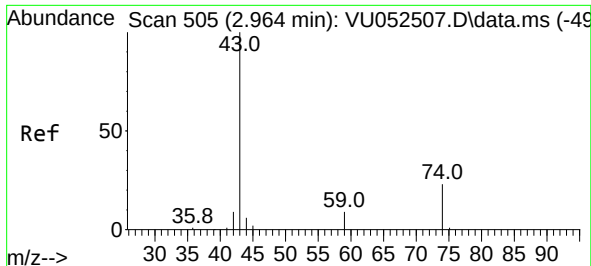
Tgt Ion: 76 Resp: 237865

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

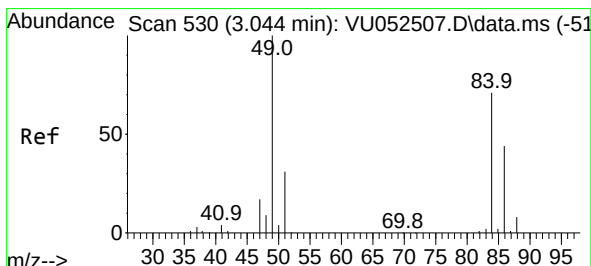
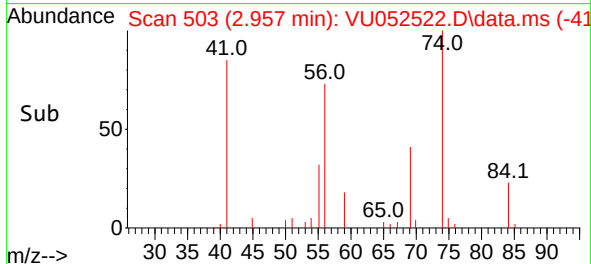
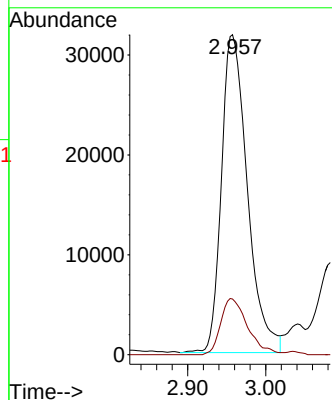
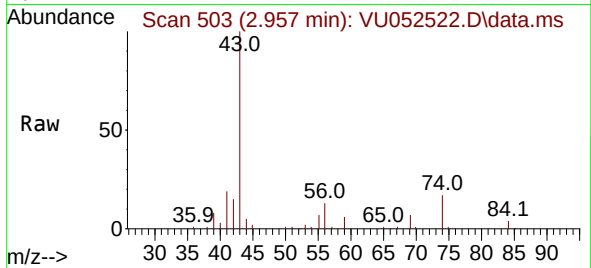




#15
Methyl Acetate
Concen: 6.286 ug/L
RT: 2.957 min Scan# 505
Delta R.T. -0.006 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

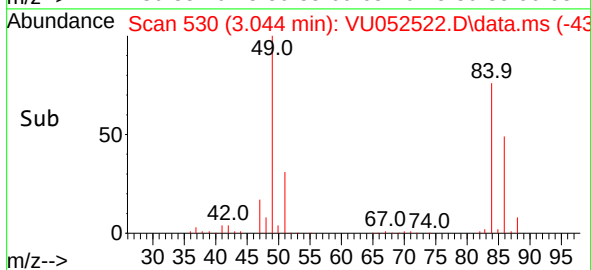
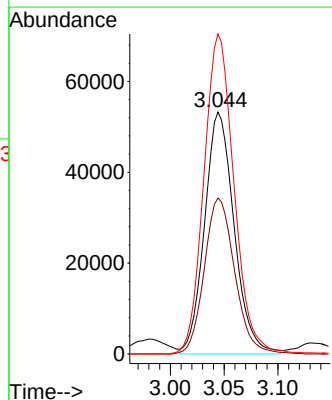
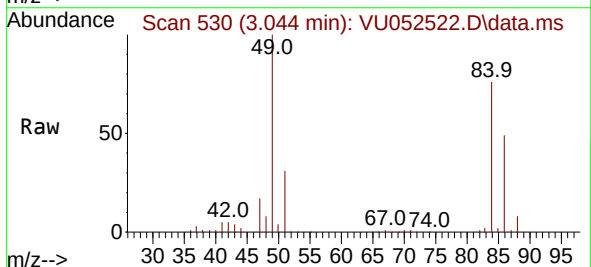
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

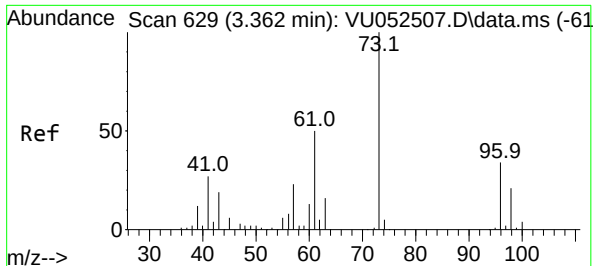
Tgt Ion: 43 Resp: 73747
Ion Ratio Lower Upper
43 100
74 18.3 16.9 25.3



#16
Methylene chloride
Concen: 4.192 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 84 Resp: 101963
Ion Ratio Lower Upper
84 100
86 64.4 44.7 83.1
49 132.3 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.252 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

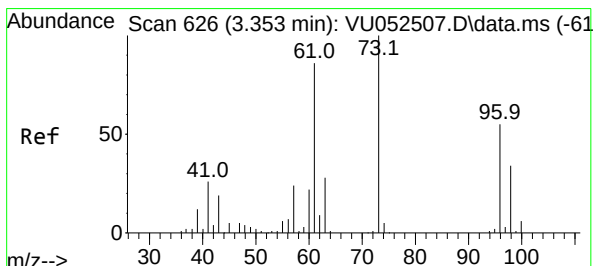
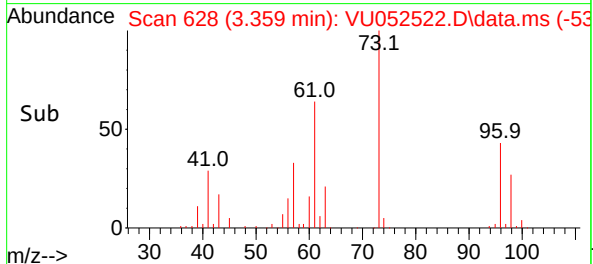
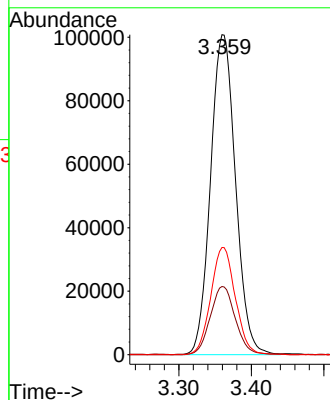
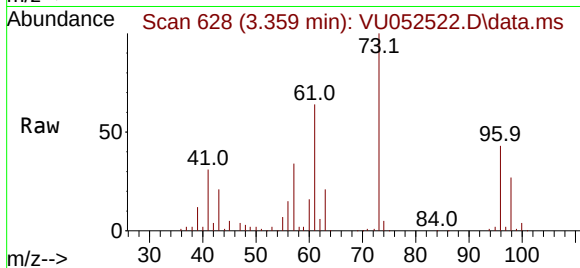
Tgt Ion: 73 Resp: 241444

Ion Ratio Lower Upper

73 100

43 21.5 16.1 24.1

57 32.9 19.2 28.8#



#18

trans-1,2-Dichloroethene

Concen: 5.436 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

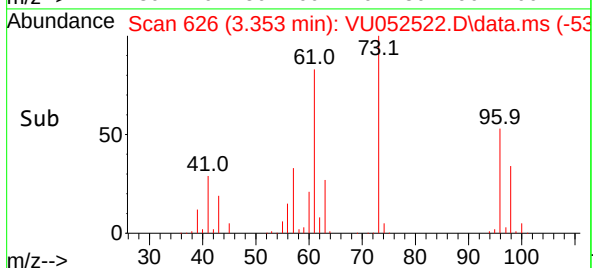
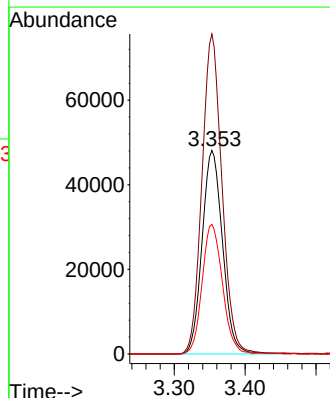
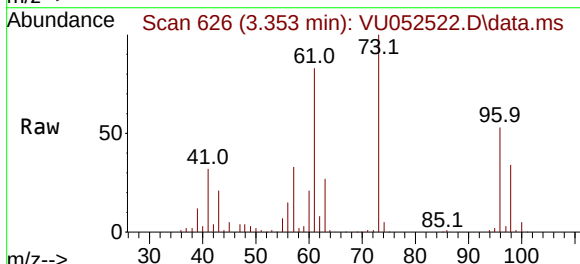
Tgt Ion: 96 Resp: 96479

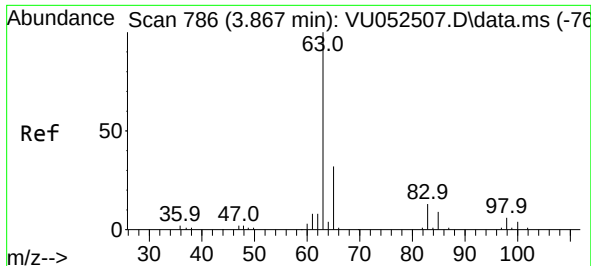
Ion Ratio Lower Upper

96 100

61 157.3 108.3 201.1

98 63.7 44.0 81.6

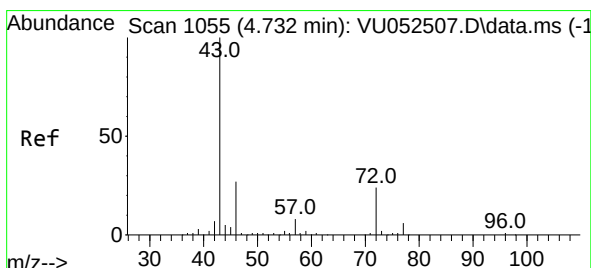
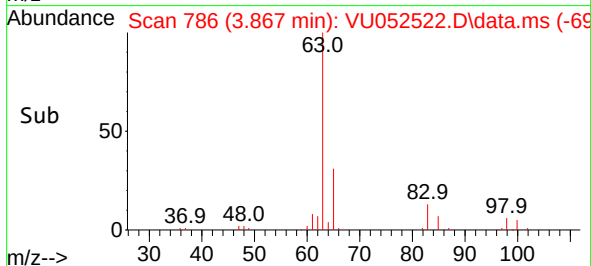
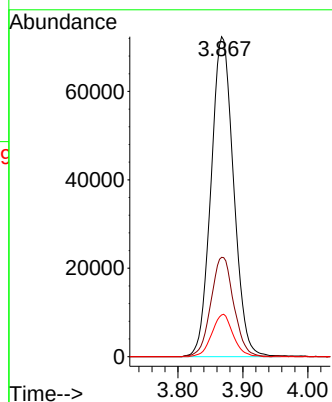
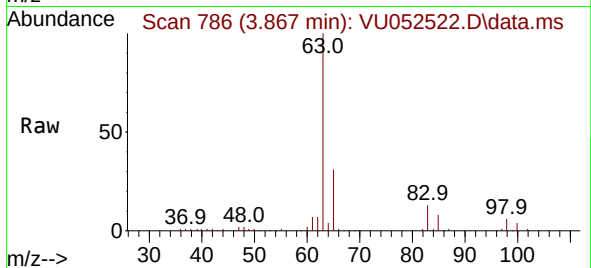




#19
1,1-Dichloroethane
Concen: 4.522 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

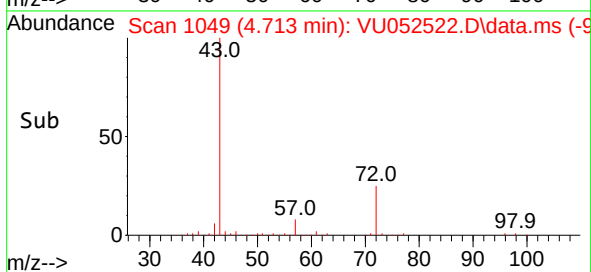
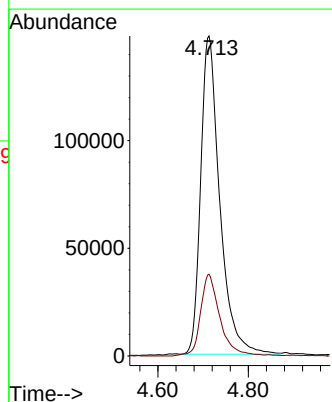
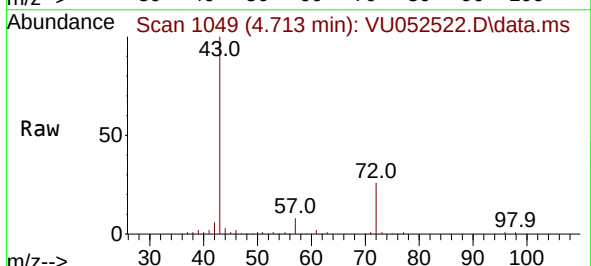
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

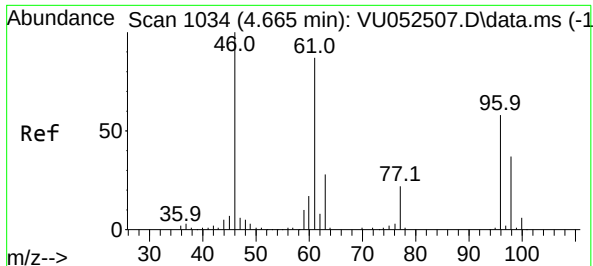
Tgt Ion: 63 Resp: 174546
Ion Ratio Lower Upper
63 100
65 31.0 22.0 40.8
83 13.1 9.0 16.8



#21
2-Butanone
Concen: 55.226 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.019 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 43 Resp: 433125
Ion Ratio Lower Upper
43 100
72 25.9 11.6 34.7

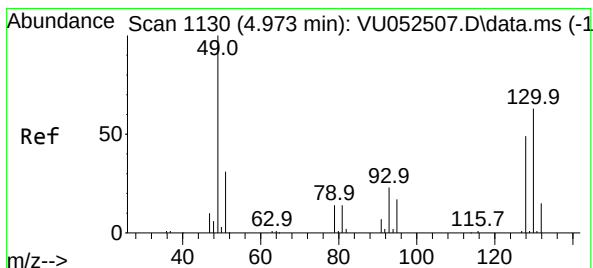
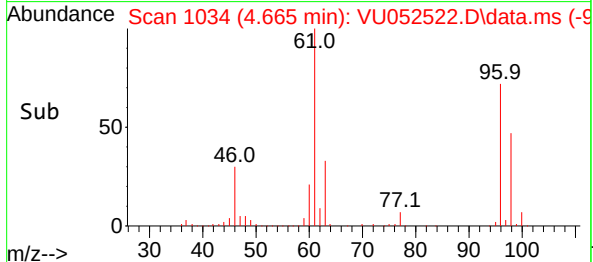
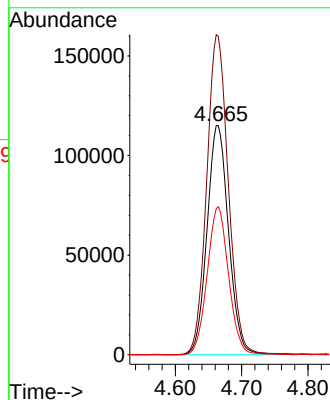
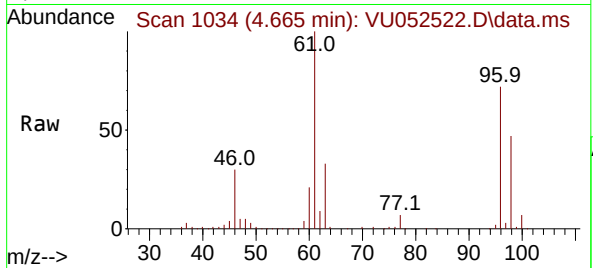




#22
cis-1,2-Dichloroethene
Concen: 13.331 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

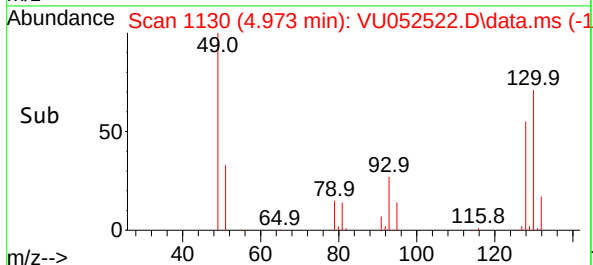
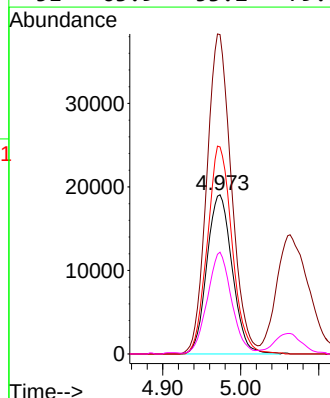
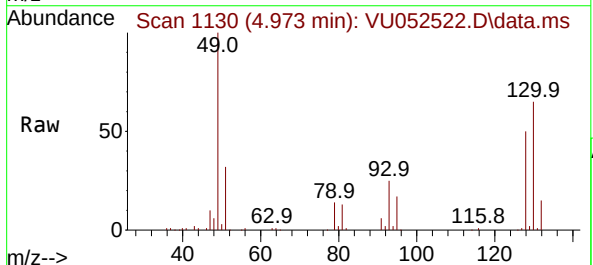
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

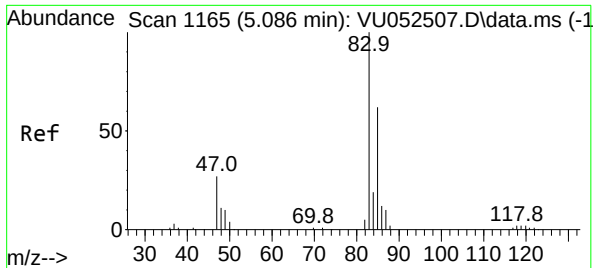
Tgt Ion: 96 Resp: 259648
Ion Ratio Lower Upper
96 100
61 138.9 96.9 180.1
98 64.6 44.7 83.1



#23
Bromochloromethane
Concen: 4.763 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion:128 Resp: 42993
Ion Ratio Lower Upper
128 100
49 200.5 143.3 266.1
130 130.0 88.4 164.2
51 63.9 53.2 79.8

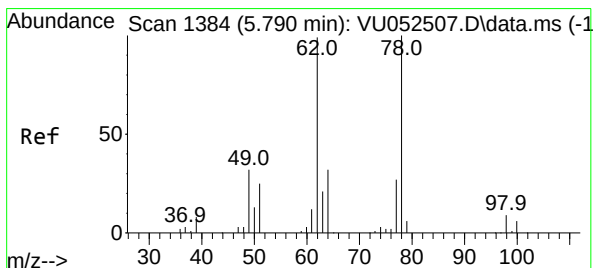
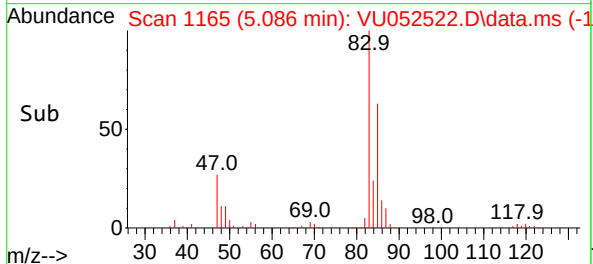
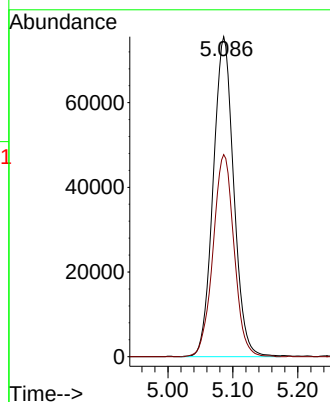
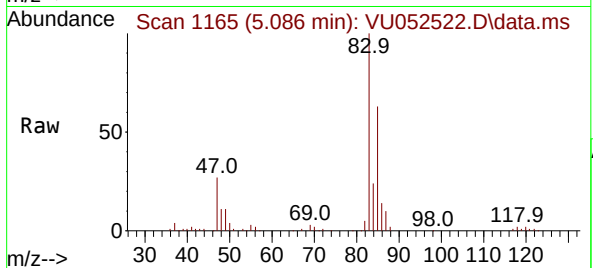




#25
Chloroform
Concen: 4.429 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

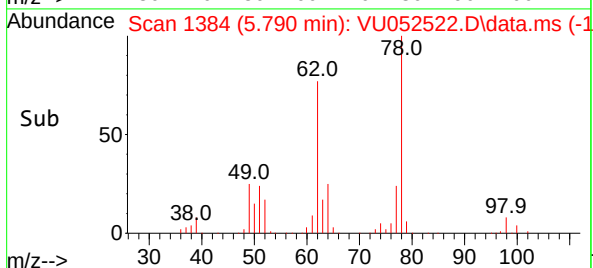
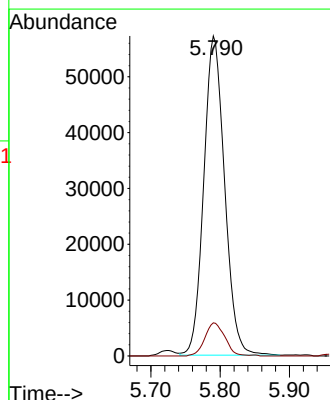
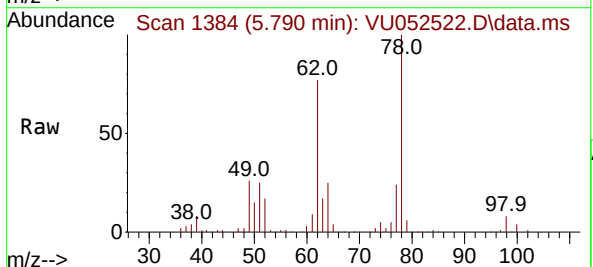
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

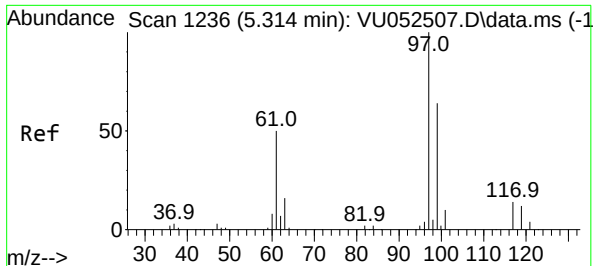
Tgt Ion: 83 Resp: 165640
Ion Ratio Lower Upper
83 100
85 63.2 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.619 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 62 Resp: 119327
Ion Ratio Lower Upper
62 100
98 10.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.848 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

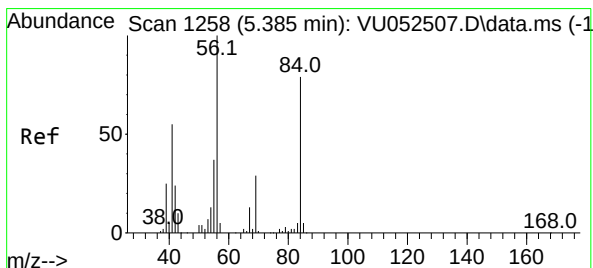
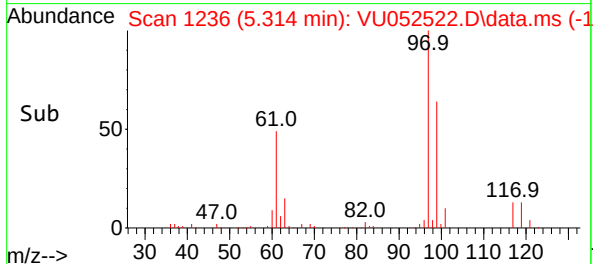
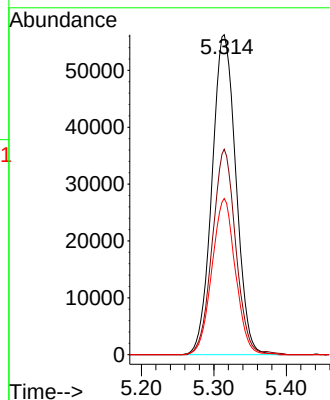
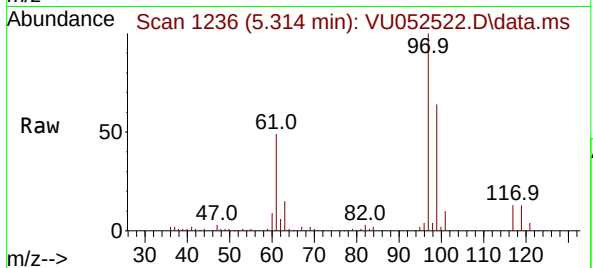
Tgt Ion: 97 Resp: 129063

Ion Ratio Lower Upper

97 100

99 62.5 52.2 78.2

61 47.9 41.6 62.4



#30

Cyclohexane

Concen: 5.396 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

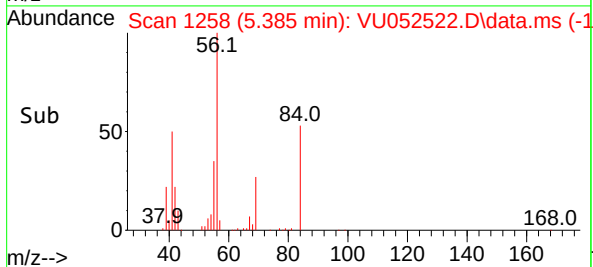
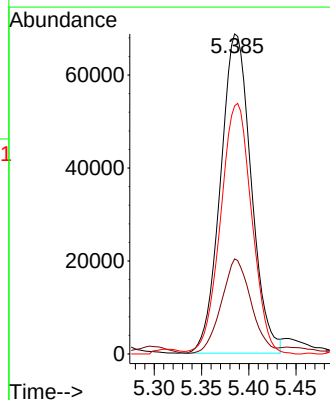
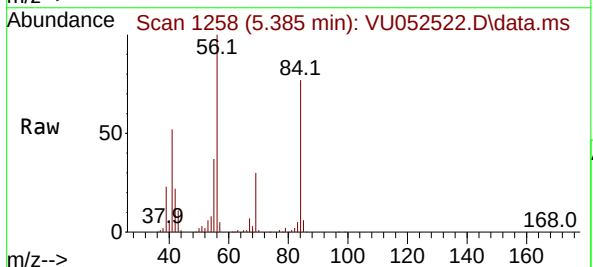
Tgt Ion: 56 Resp: 155239

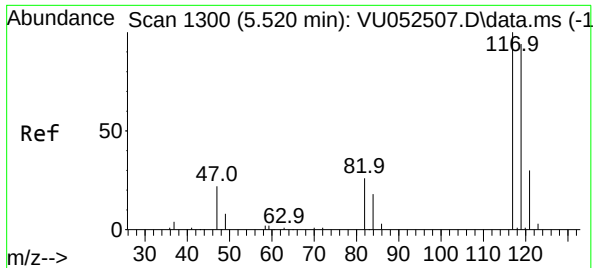
Ion Ratio Lower Upper

56 100

69 28.6 23.0 34.6

84 79.8 64.4 96.6

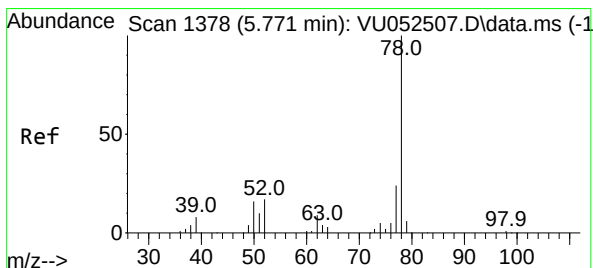
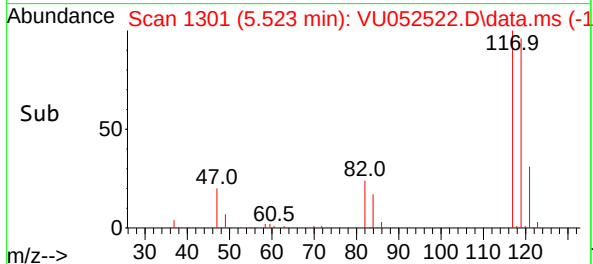
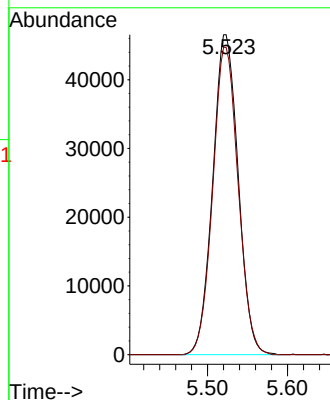
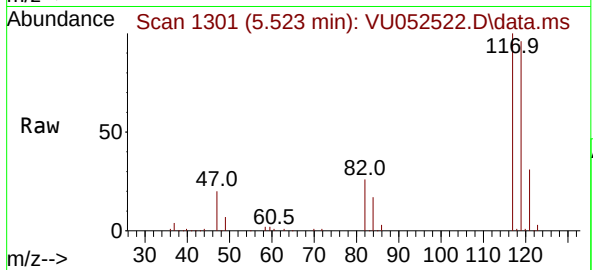




#31
Carbon tetrachloride
Concen: 4.399 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

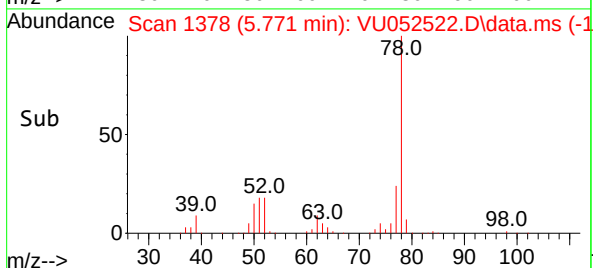
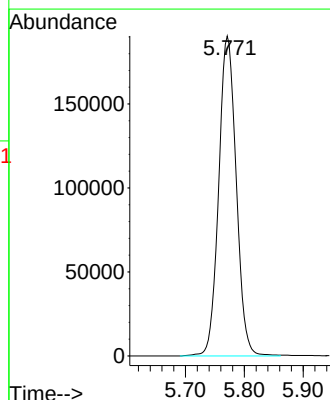
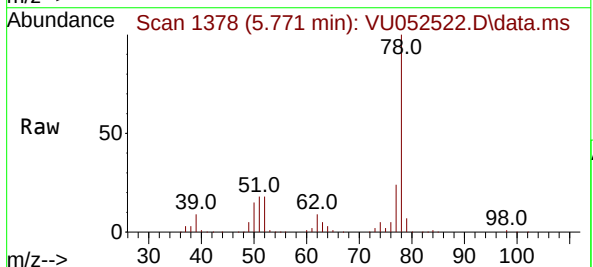
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

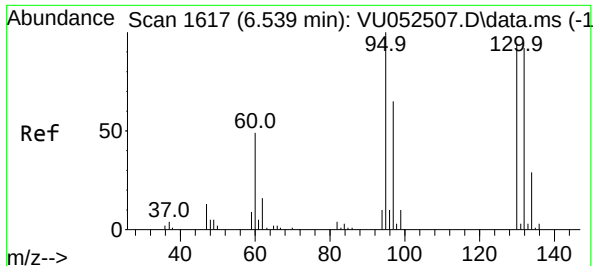
Tgt Ion:117 Resp: 102905
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 5.176 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 78 Resp: 394334





#34

Trichloroethene

Concen: 203.019 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

Tgt Ion: 95 Resp: 3615967

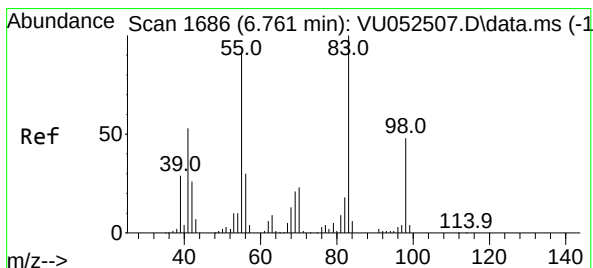
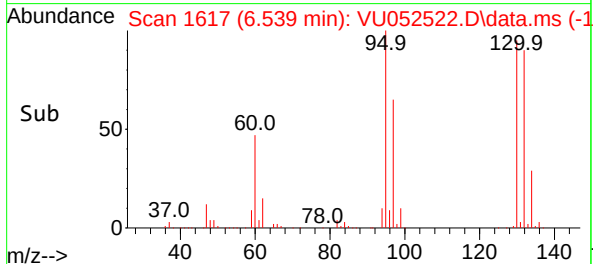
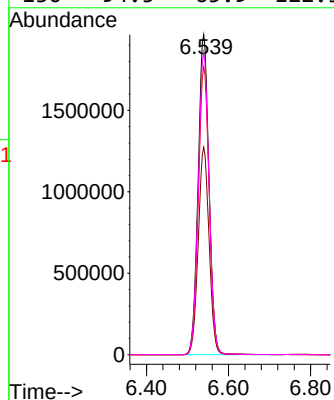
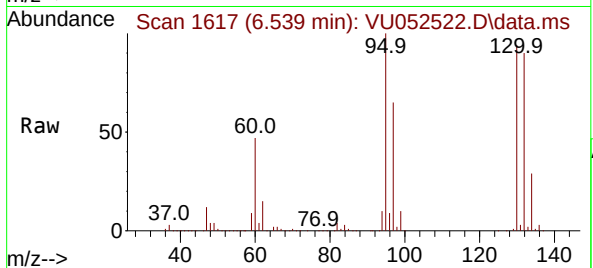
Ion Ratio Lower Upper

95 100

97 64.8 46.3 86.1

132 90.0 63.9 118.7

130 94.5 65.9 122.5



#35

Methylcyclohexane

Concen: 5.275 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

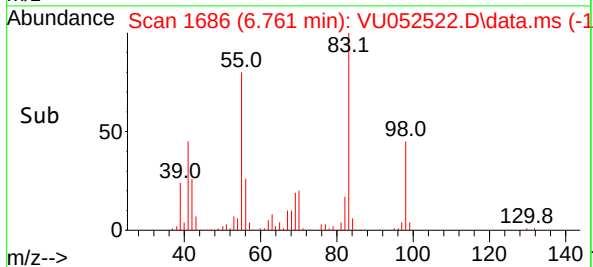
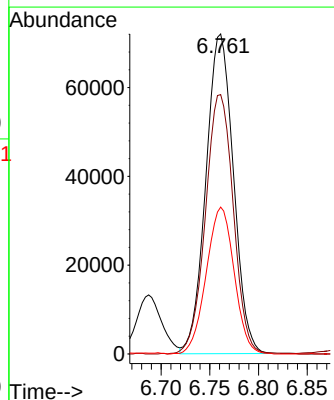
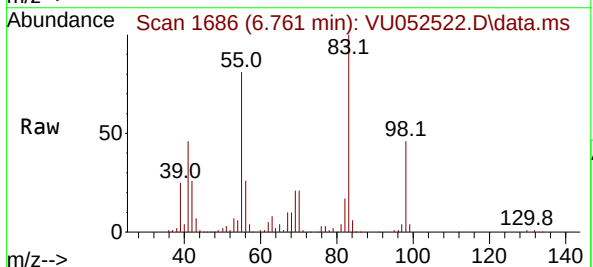
Tgt Ion: 83 Resp: 141663

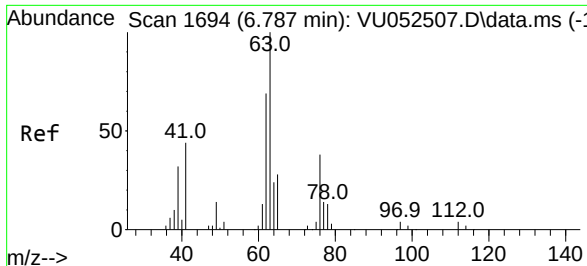
Ion Ratio Lower Upper

83 100

55 82.3 71.4 107.0

98 46.5 36.5 54.7





#37

1,2-Dichloropropane

Concen: 4.986 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

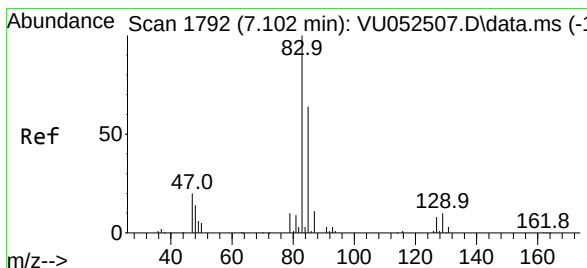
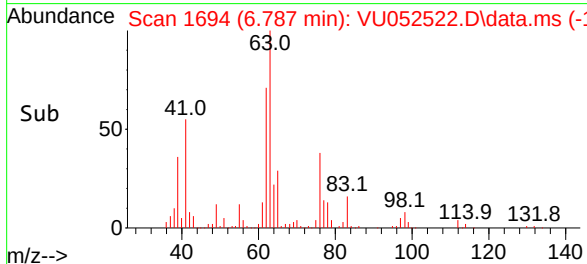
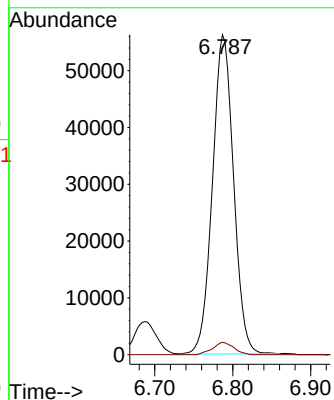
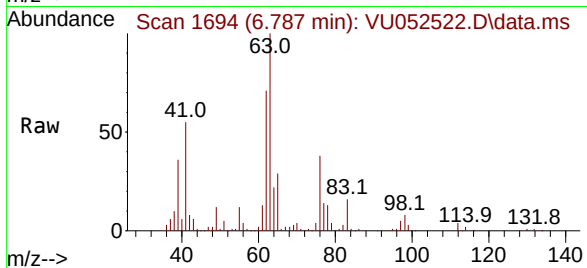
GBQB0MSD

Tgt Ion: 63 Resp: 106005

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 4.661 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

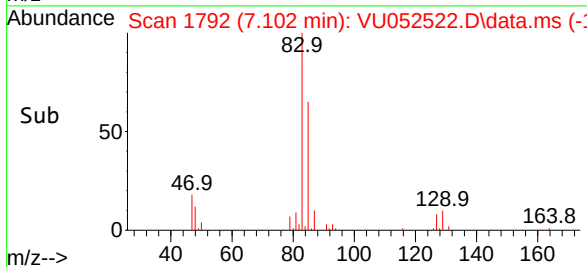
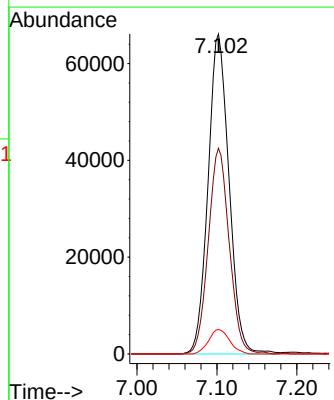
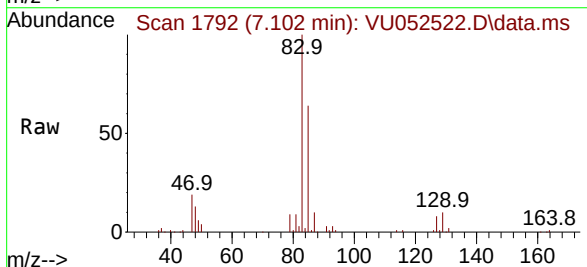
Tgt Ion: 83 Resp: 120609

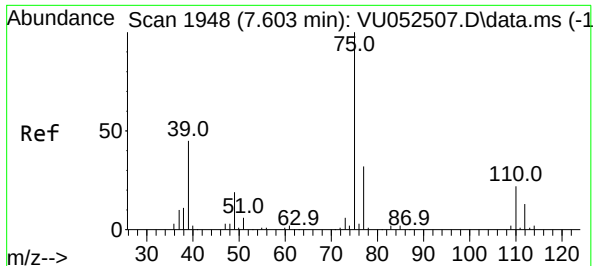
Ion Ratio Lower Upper

83 100

85 64.3 45.2 84.0

127 7.7 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.265 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

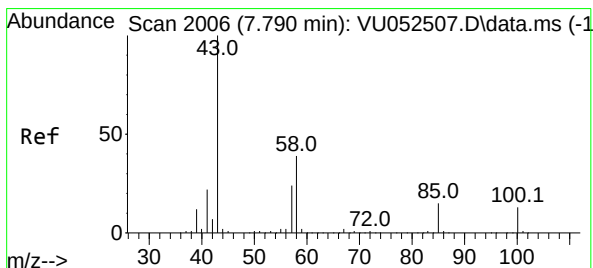
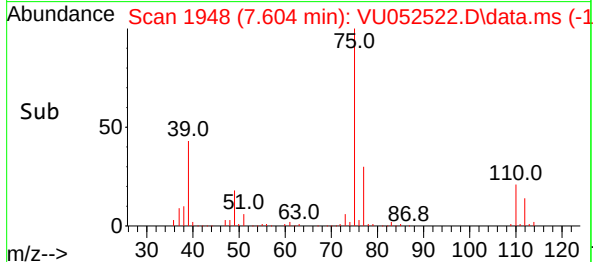
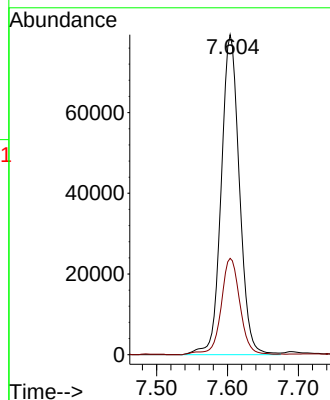
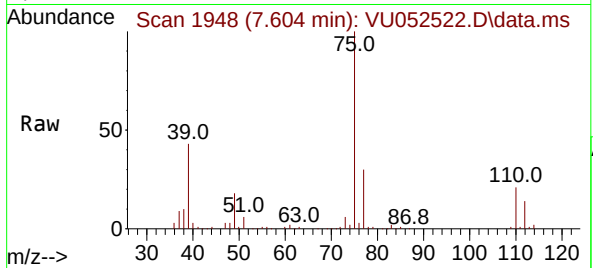
GBQB0MSD

Tgt Ion: 75 Resp: 141778

Ion Ratio Lower Upper

75 100

77 30.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 60.457 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

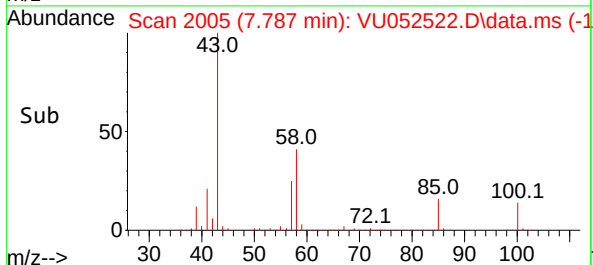
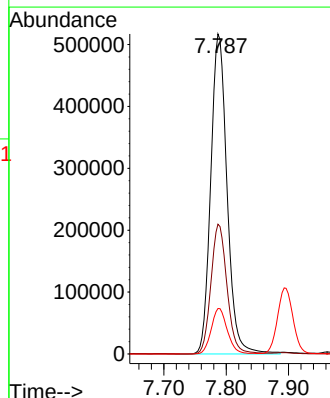
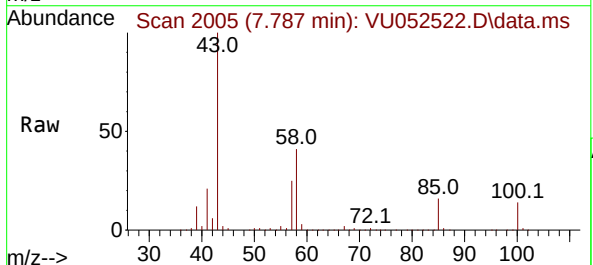
Tgt Ion: 43 Resp: 939243

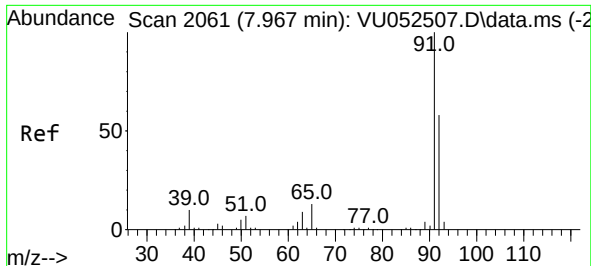
Ion Ratio Lower Upper

43 100

58 40.0 30.6 45.8

100 14.1 10.4 15.6





#42

Toluene

Concen: 5.426 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

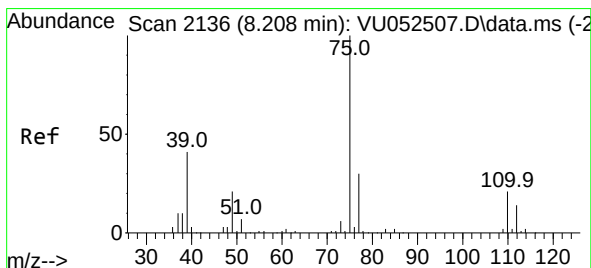
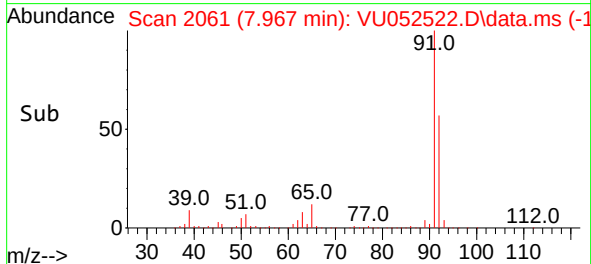
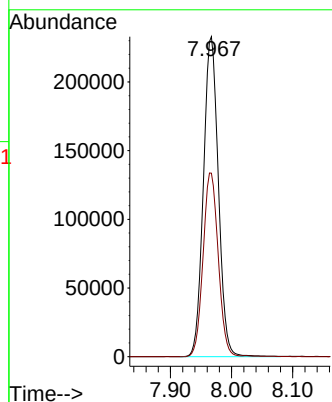
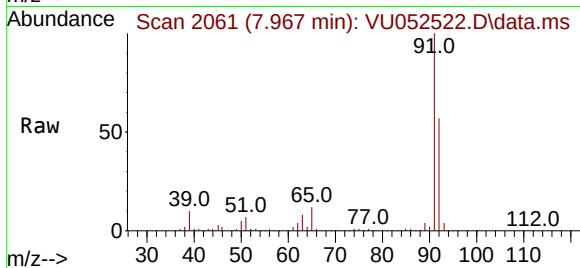
GBQB0MSD

Tgt Ion: 91 Resp: 396398

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.174 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052522.D

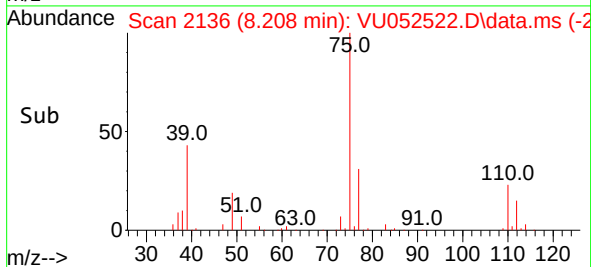
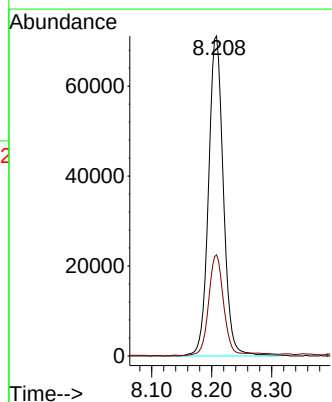
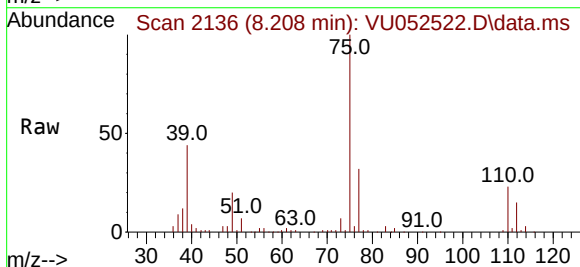
Acq: 23 Dec 2022 03:34

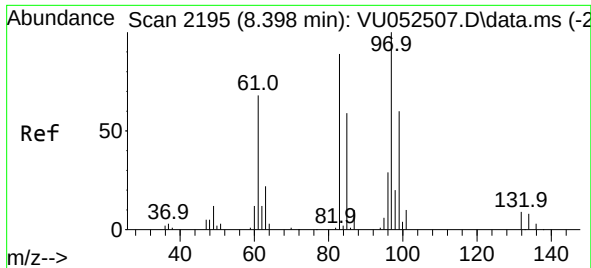
Tgt Ion: 75 Resp: 122761

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4

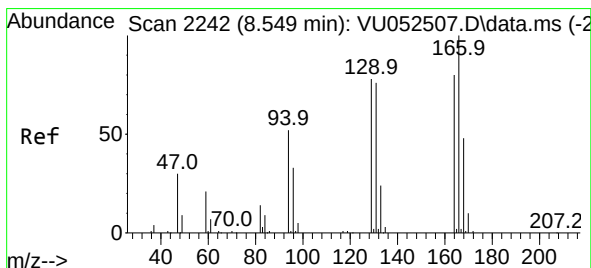
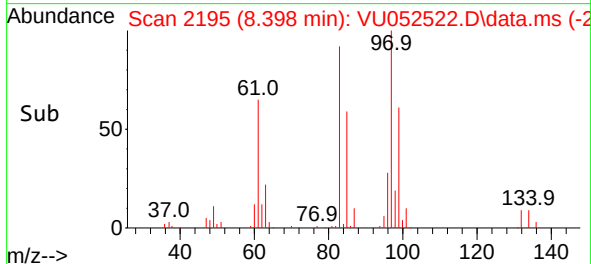
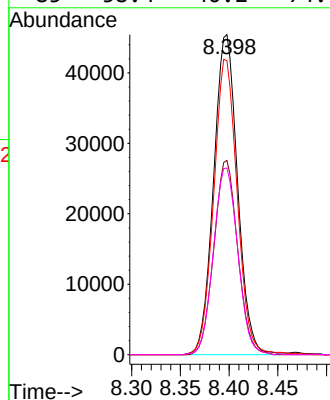
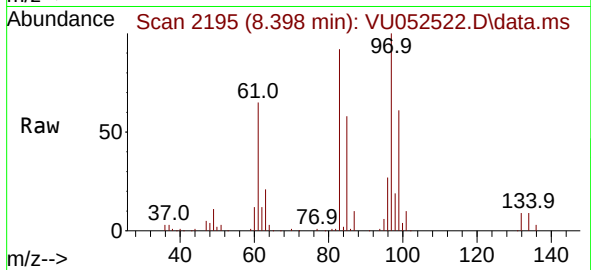




#45
1,1,2-Trichloroethane
Concen: 5.151 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

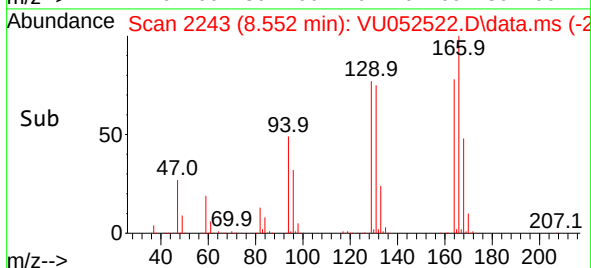
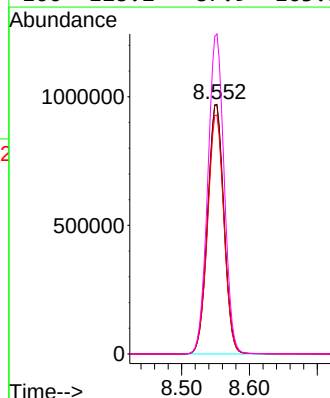
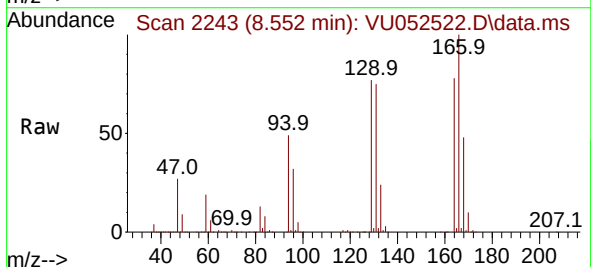
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

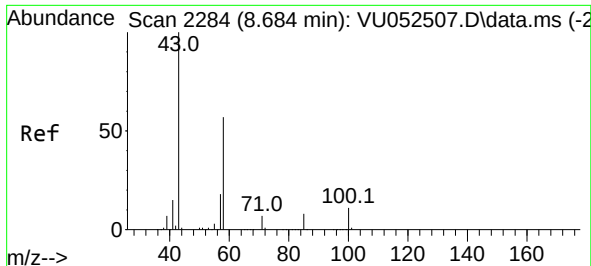
Tgt Ion:	97	Resp:	77566
Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.0	78.0
83	91.8	63.2	117.4
85	58.4	40.2	74.6



#47
Tetrachloroethene
Concen: 130.960 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion:	164	Resp:	1628169
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.1	126.5
131	95.7	66.5	123.5
166	128.2	87.9	163.3



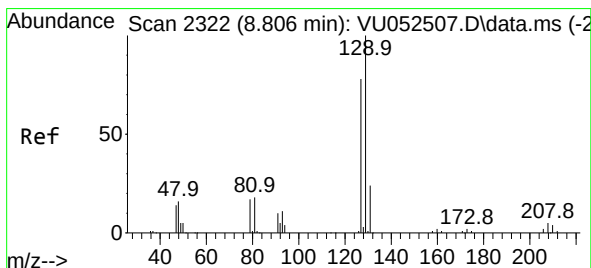
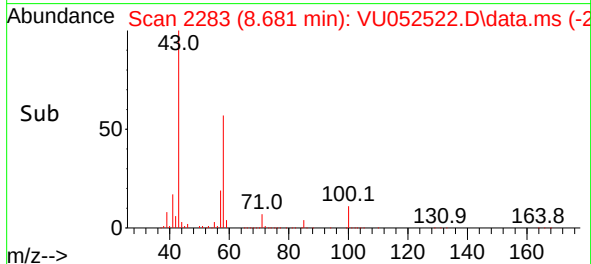
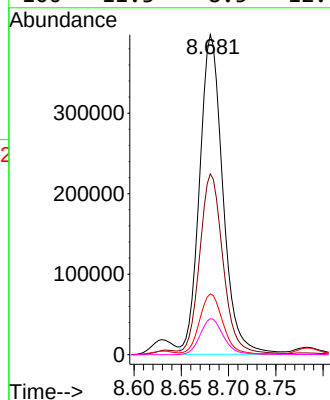
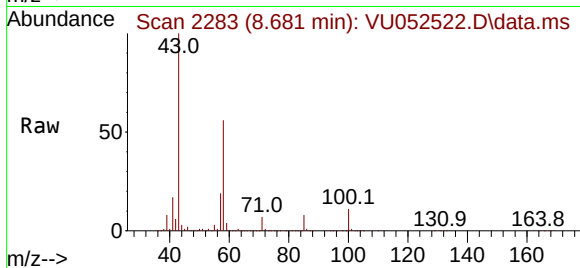


#48
2-Hexanone
Concen: 58.201 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

Tgt Ion: 43 Resp: 681567

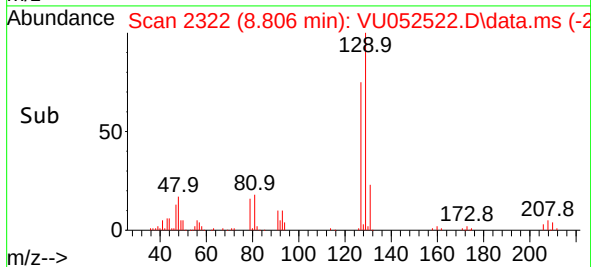
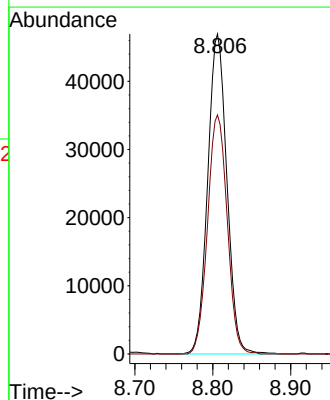
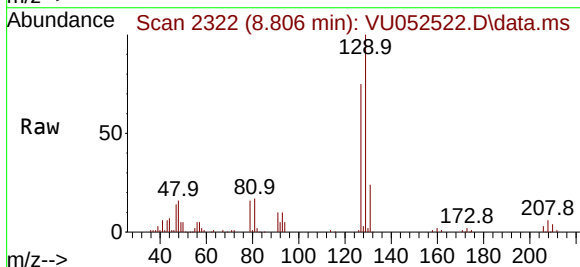
Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.1	66.1
57	19.2	14.6	21.8
100	11.3	8.5	12.7

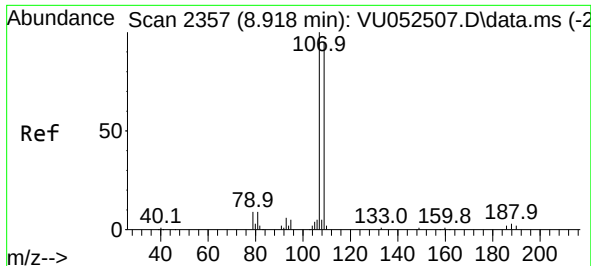


#49
Dibromochloromethane
Concen: 5.031 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 129 Resp: 80209

Ion	Ratio	Lower	Upper
129	100		
127	74.7	54.2	100.6

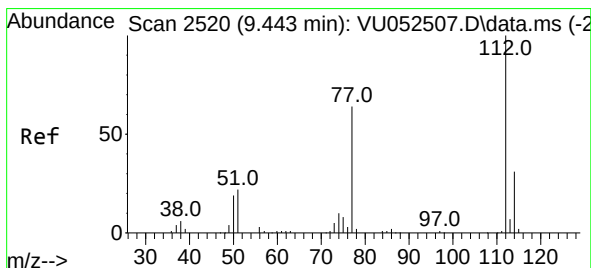
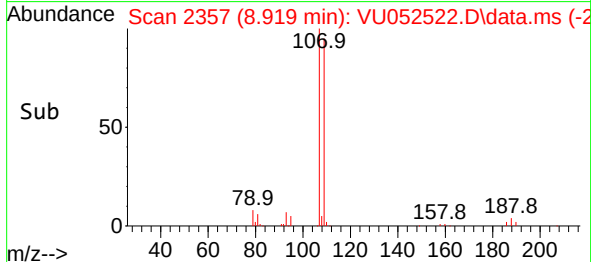
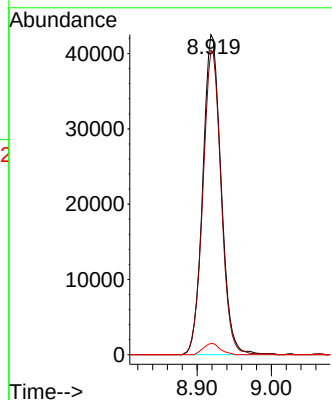
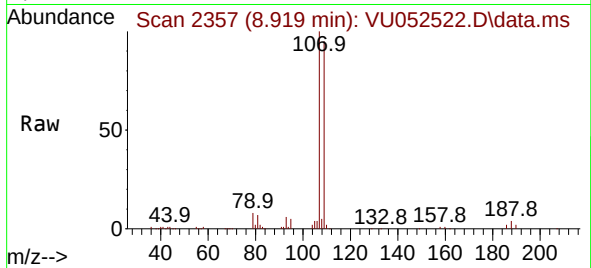




#50
 1,2-Dibromoethane
 Concen: 5.317 ug/L
 RT: 8.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

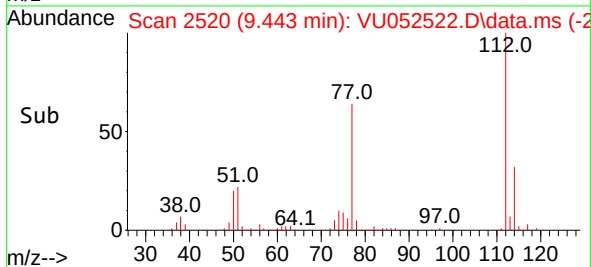
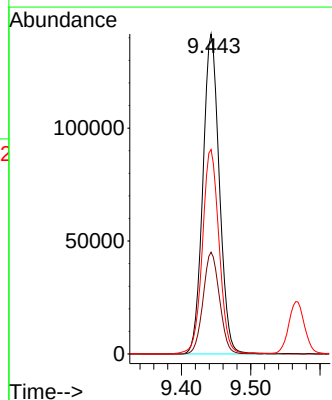
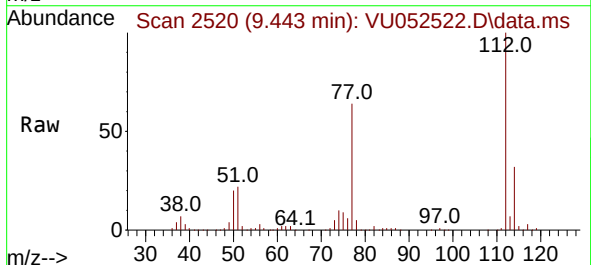
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

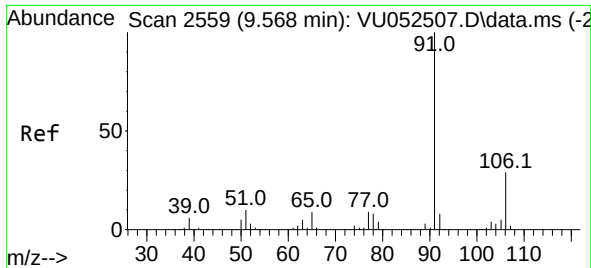
Tgt Ion:107 Resp: 72784
 Ion Ratio Lower Upper
 107 100
 109 95.1 65.8 122.2
 188 3.5 2.3 3.5#



#51
 Chlorobenzene
 Concen: 5.012 ug/L
 RT: 9.443 min Scan# 2520
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

Tgt Ion:112 Resp: 233781
 Ion Ratio Lower Upper
 112 100
 114 31.8 21.3 39.5
 77 63.9 51.0 76.6

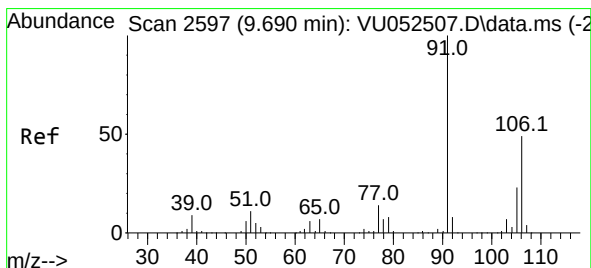
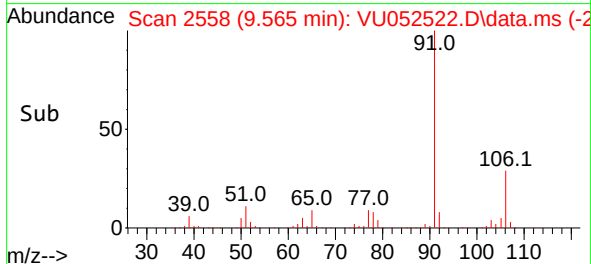
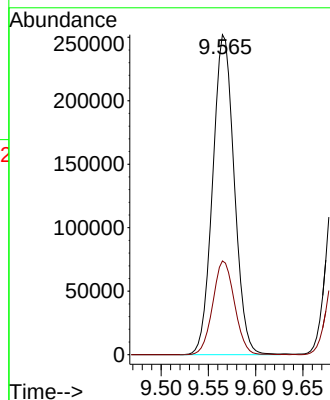
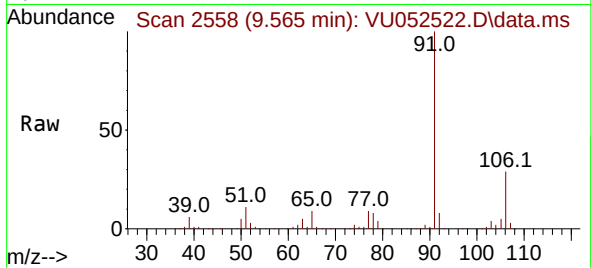




#52
Ethylbenzene
Concen: 5.280 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

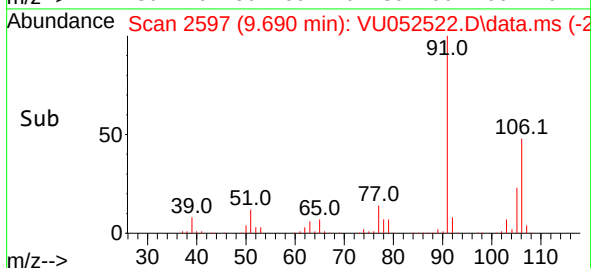
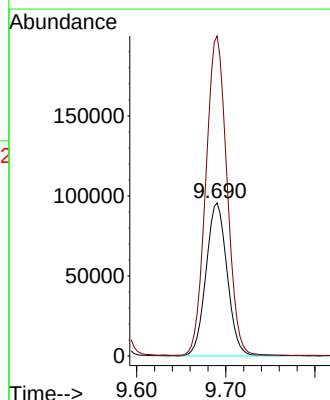
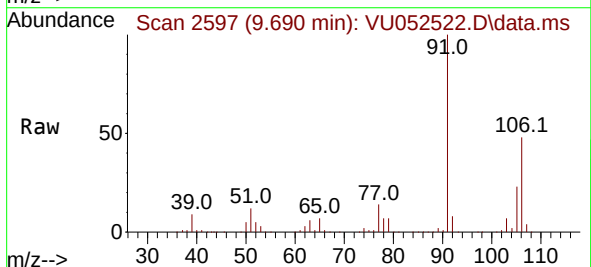
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

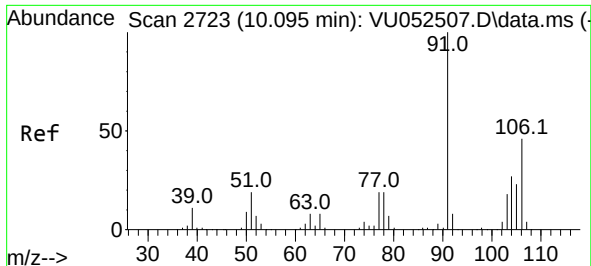
Tgt Ion: 91 Resp: 399121
Ion Ratio Lower Upper
91 100
106 29.3 20.9 38.7



#53
m,p-Xylene
Concen: 5.649 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 106 Resp: 157481
Ion Ratio Lower Upper
106 100
91 209.2 148.2 275.2

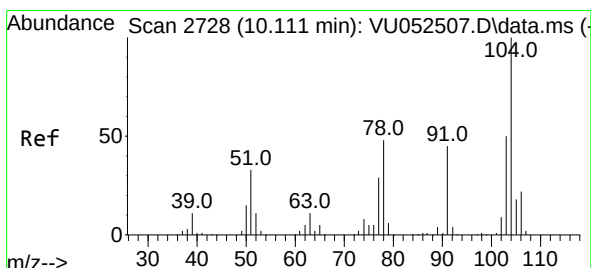
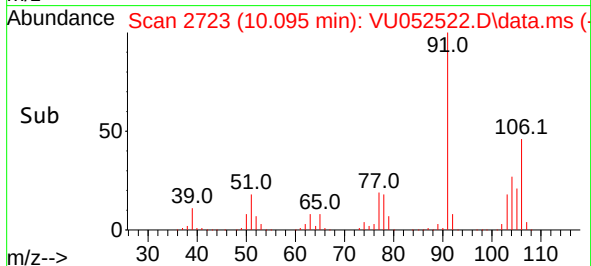
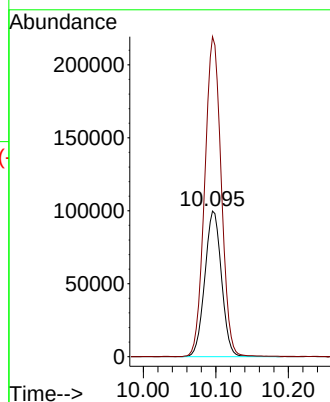
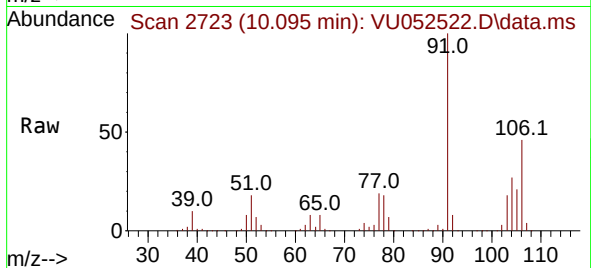




#54
o-Xylene
Concen: 5.966 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

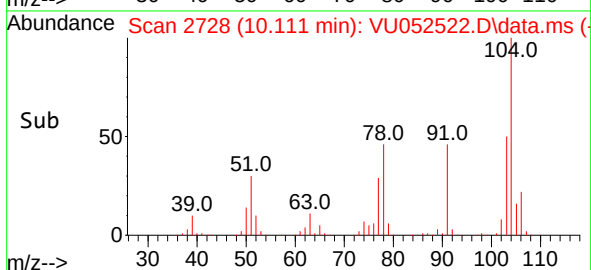
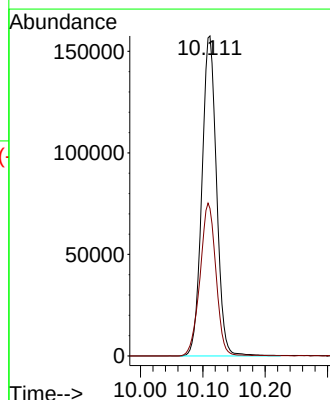
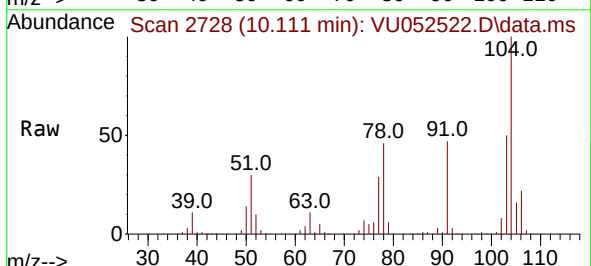
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

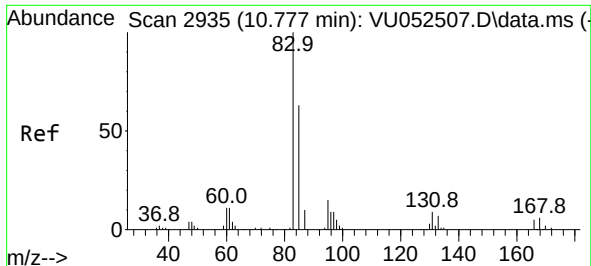
Tgt Ion:106 Resp: 159414
Ion Ratio Lower Upper
106 100
91 219.7 153.2 284.4



#55
Styrene
Concen: 5.549 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion:104 Resp: 257971
Ion Ratio Lower Upper
104 100
78 46.1 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.429 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

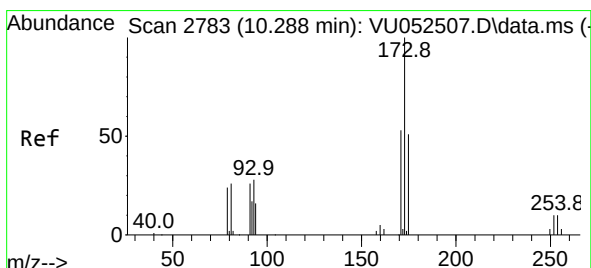
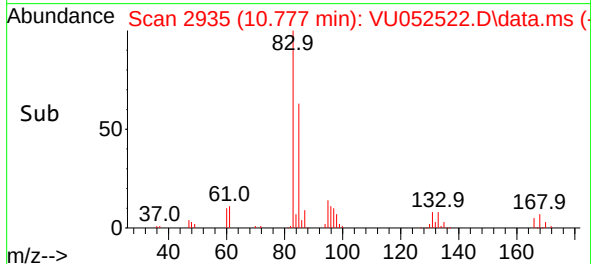
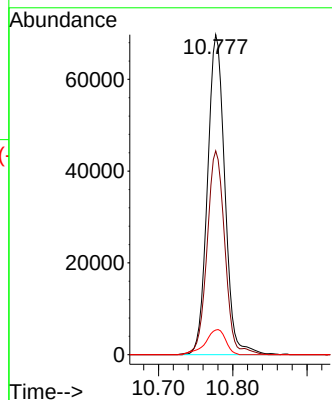
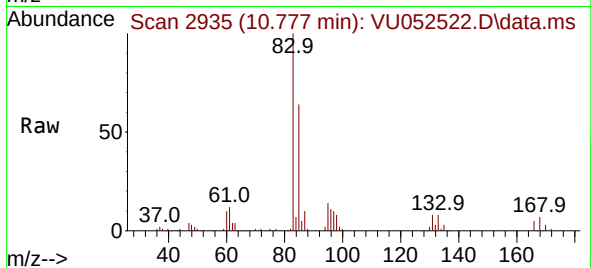
Tgt Ion: 83 Resp: 112998

Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

131 7.7 6.0 9.0



#59

Bromoform

Concen: 4.903 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

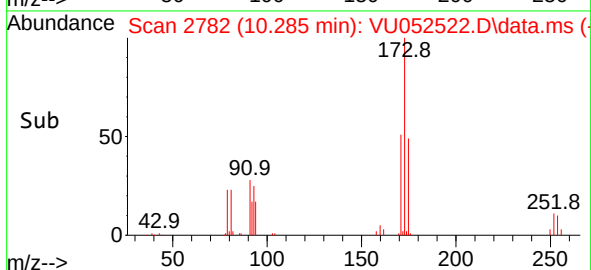
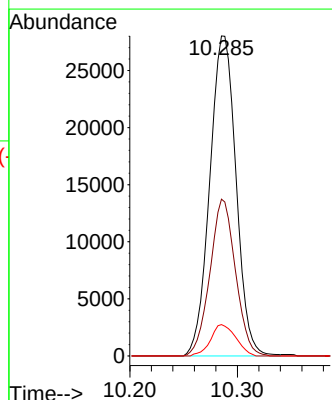
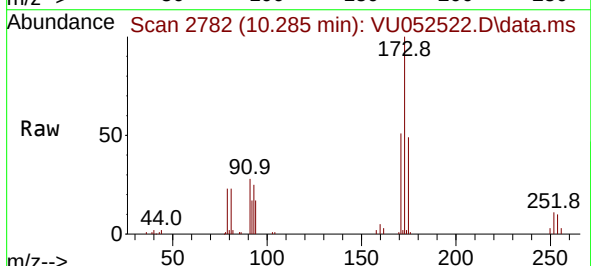
Tgt Ion: 173 Resp: 47525

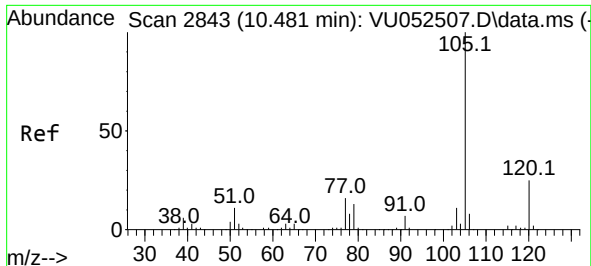
Ion Ratio Lower Upper

173 100

175 47.5 38.9 58.3

254 9.4 7.0 10.6

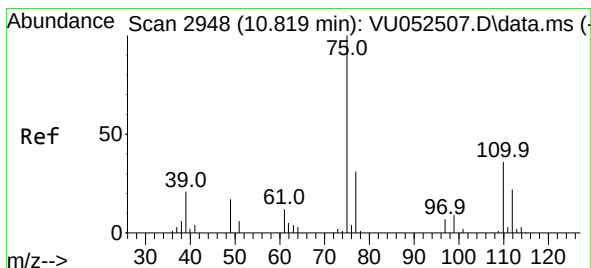
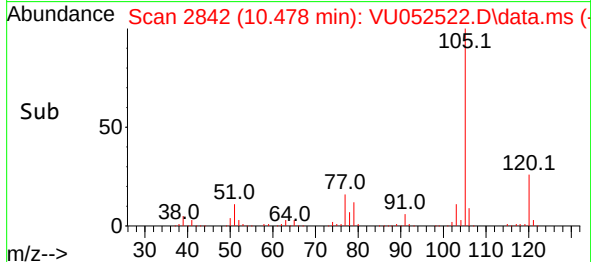
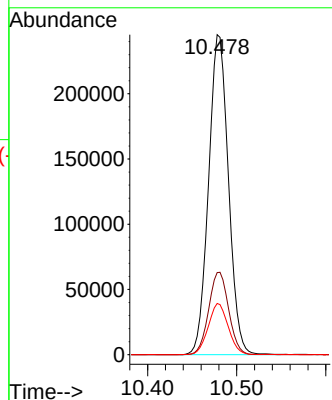
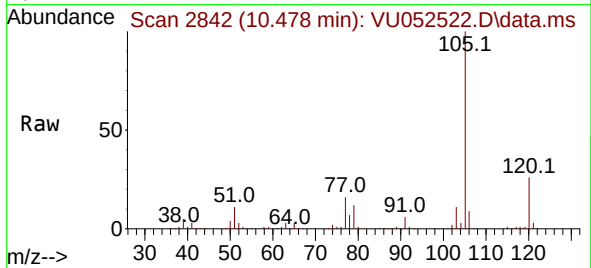




#60
Isopropylbenzene
Concen: 5.299 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

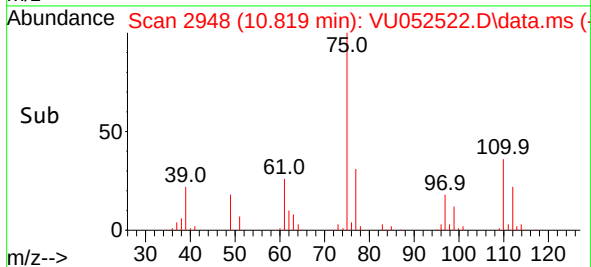
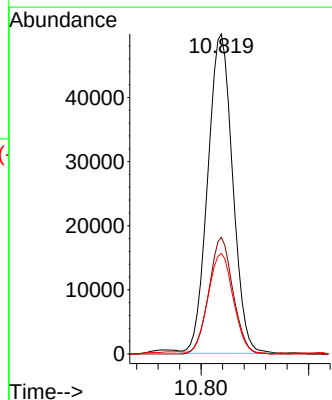
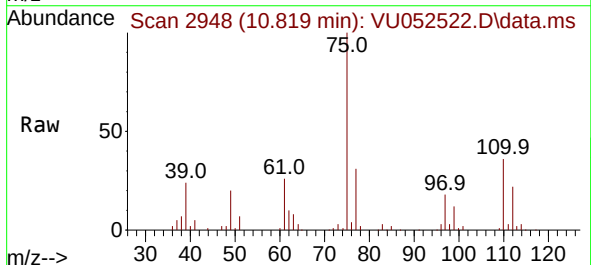
Instrument :
MSVOA_U
ClientSampleId :
GBQB0MSD

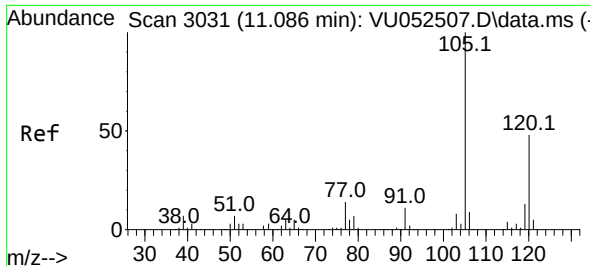
Tgt Ion:105 Resp: 378966
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.2 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.057 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052522.D
Acq: 23 Dec 2022 03:34

Tgt Ion: 75 Resp: 80031
Ion Ratio Lower Upper
75 100
110 35.4 27.9 41.9
77 32.1 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.327 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

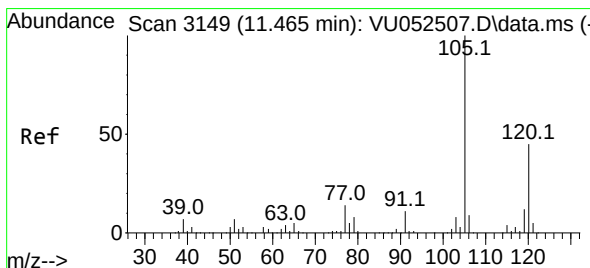
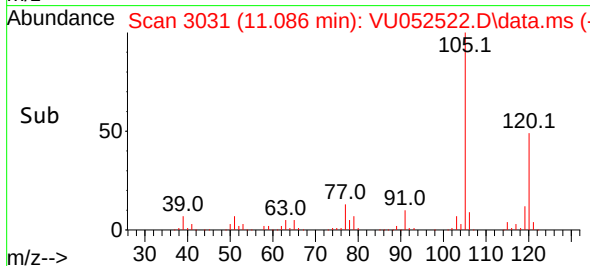
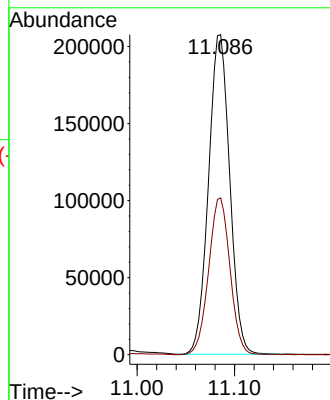
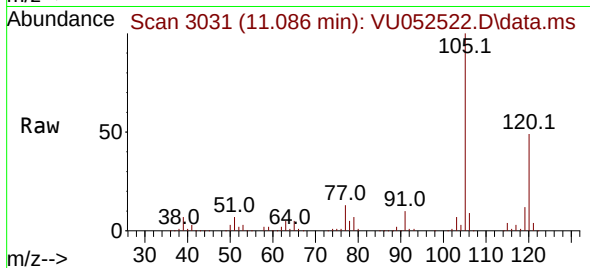
GBQB0MSD

Tgt Ion:105 Resp: 314199

Ion Ratio Lower Upper

105 100

120 49.3 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.550 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052522.D

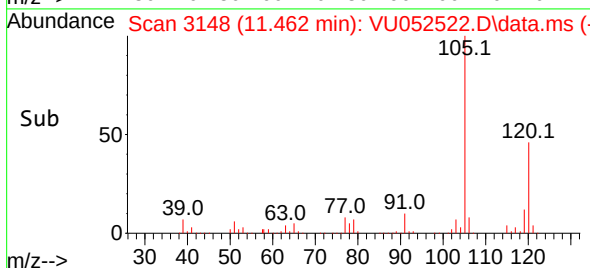
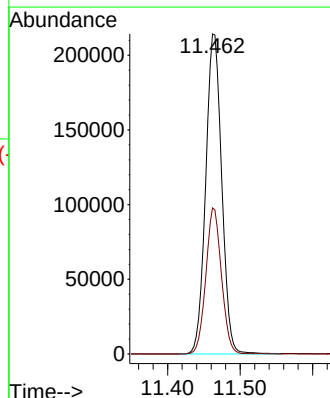
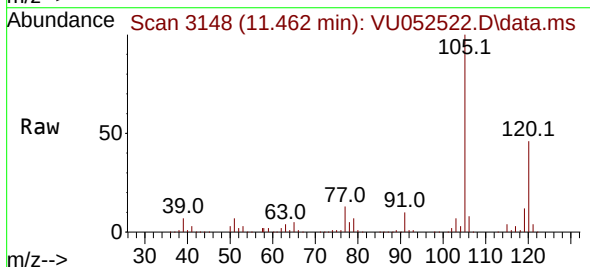
Acq: 23 Dec 2022 03:34

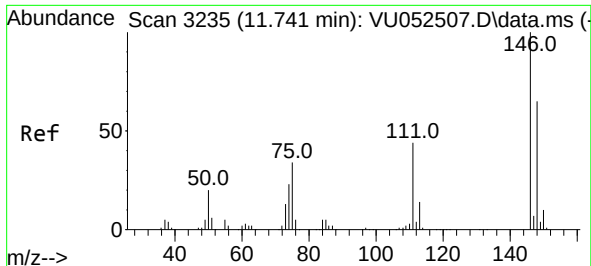
Tgt Ion:105 Resp: 329506

Ion Ratio Lower Upper

105 100

120 44.4 35.6 53.4

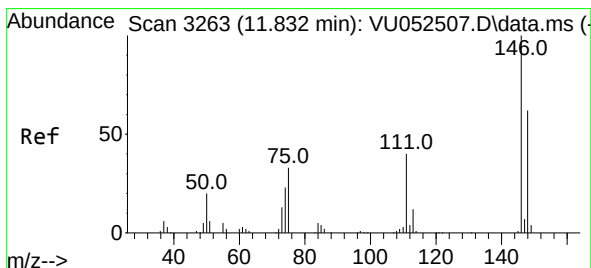
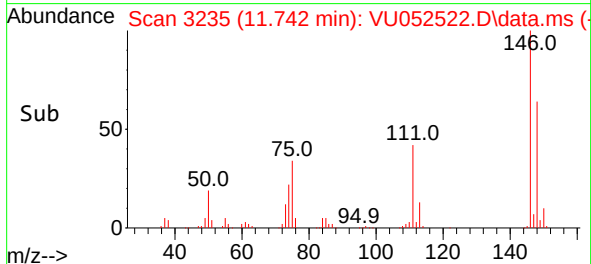
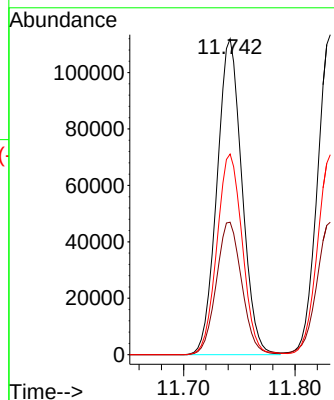
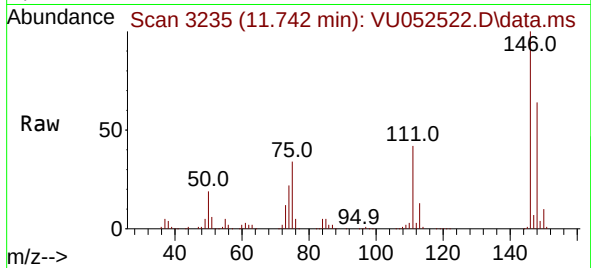




#64
 1,3-Dichlorobenzene
 Concen: 4.919 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

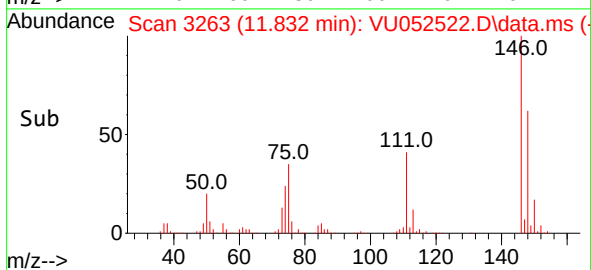
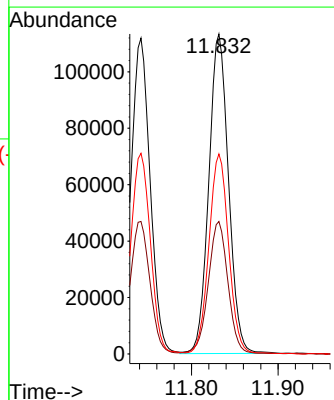
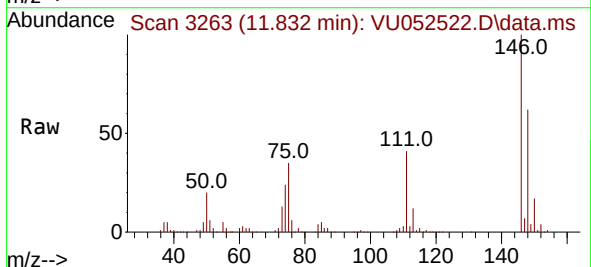
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

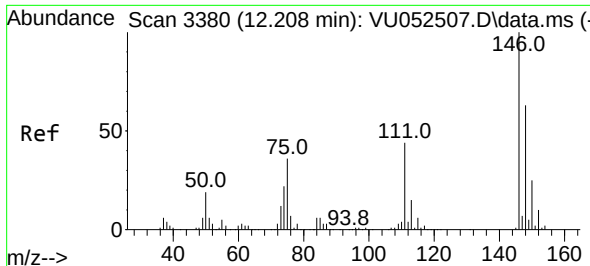
Tgt Ion:146 Resp: 174539
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.9 55.5
 148 63.5 43.4 80.6



#65
 1,4-Dichlorobenzene
 Concen: 4.880 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

Tgt Ion:146 Resp: 179070
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.5 51.1
 148 62.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.948 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

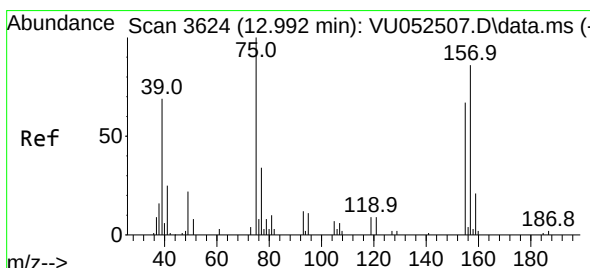
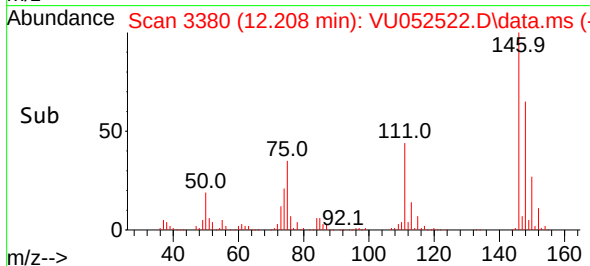
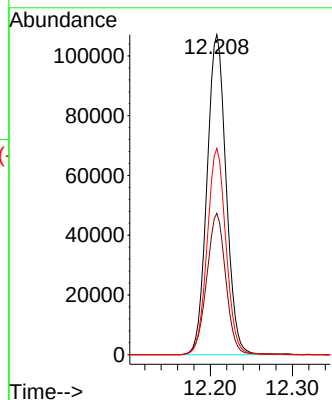
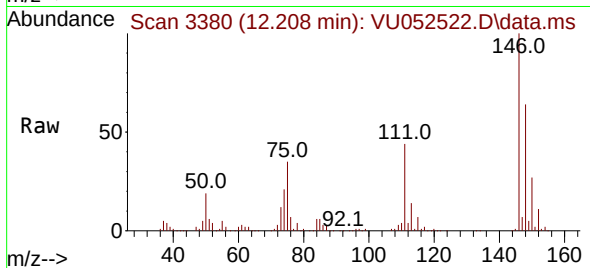
Tgt Ion:146 Resp: 173482

Ion Ratio Lower Upper

146 100

111 44.2 36.6 55.0

148 64.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.385 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

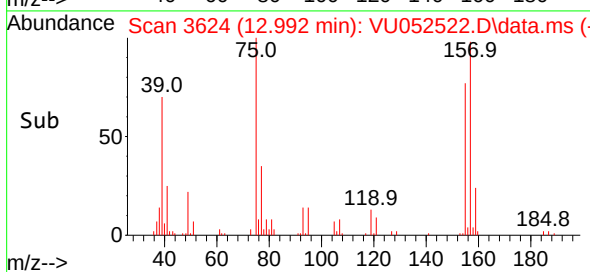
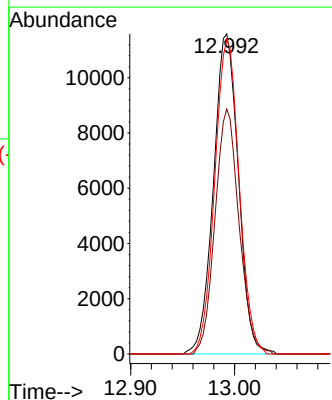
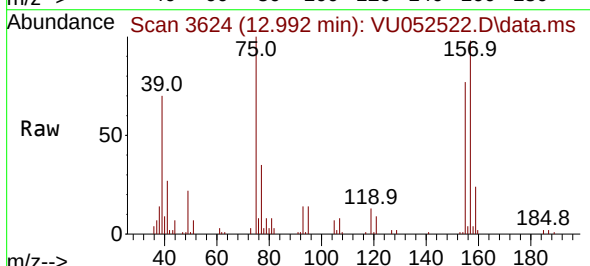
Tgt Ion: 75 Resp: 19288

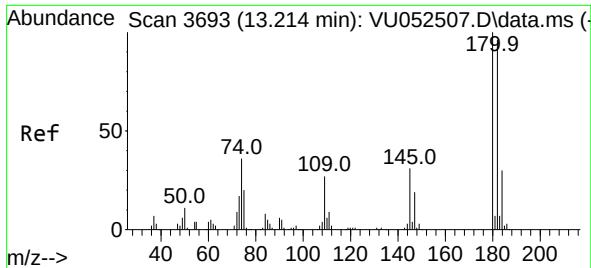
Ion Ratio Lower Upper

75 100

155 76.6 62.2 93.2

157 98.3 73.0 109.4

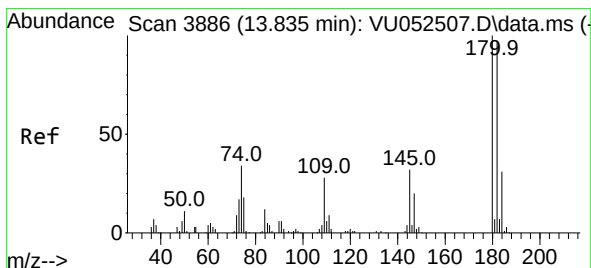
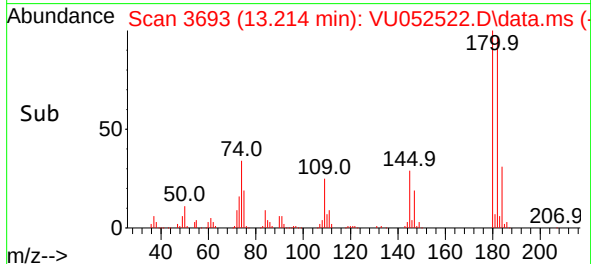
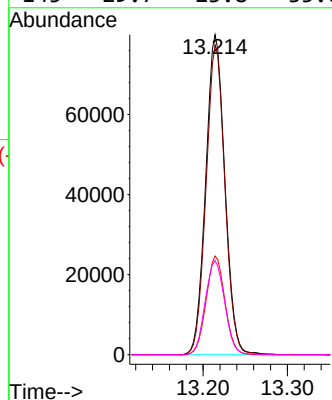
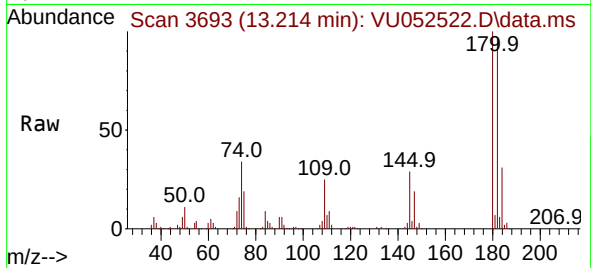




#69
 1,3,5-Trichlorobenzene
 Concen: 4.855 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

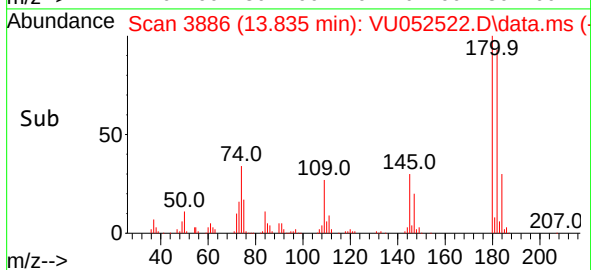
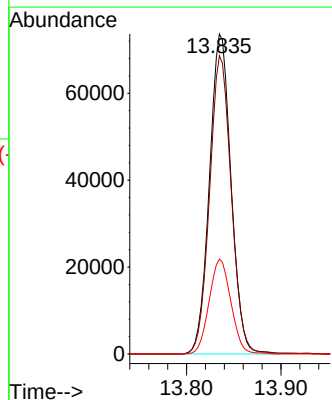
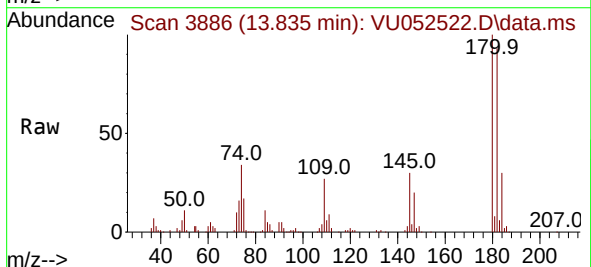
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB0MSD

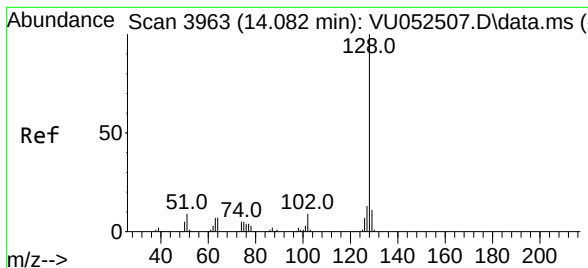
Tgt Ion:180 Resp: 126842
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 184 30.1 23.4 35.0
 145 29.7 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.315 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052522.D
 Acq: 23 Dec 2022 03:34

Tgt Ion:180 Resp: 116850
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.7 116.5
 145 29.8 24.0 36.0





#71

Naphthalene

Concen: 6.174 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Instrument :

MSVOA_U

ClientSampleId :

GBQB0MSD

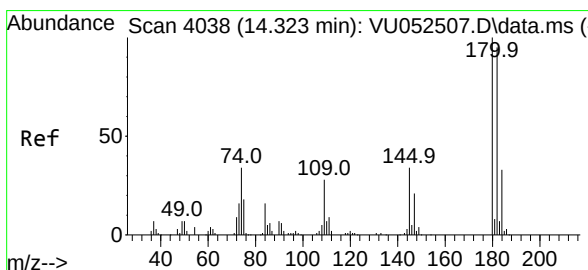
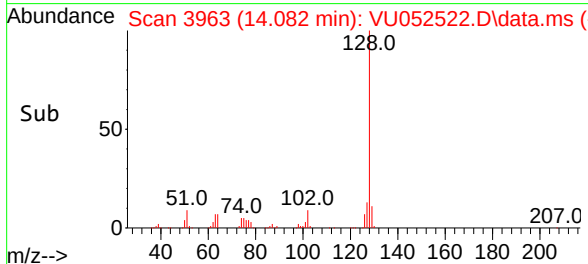
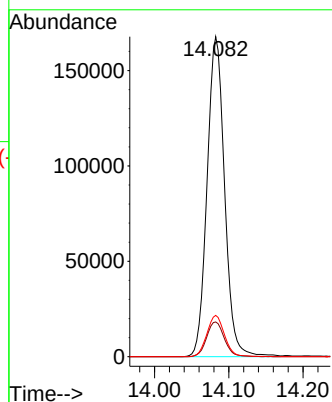
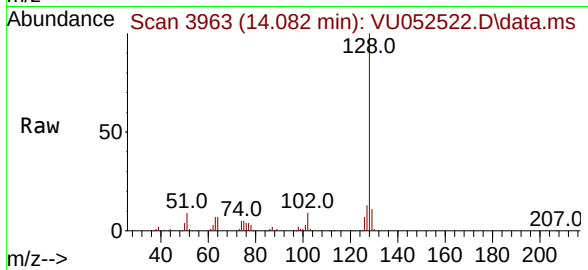
Tgt Ion:128 Resp: 274622

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.0 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 5.281 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU052522.D

Acq: 23 Dec 2022 03:34

Tgt Ion:180 Resp: 116370

Ion Ratio Lower Upper

180 100

182 94.0 76.3 114.5

145 32.3 25.8 38.8

