

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021723\
 Data File : VU053124.D
 Acq On : 17 Feb 2023 12:55
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050157

Quant Time: Feb 17 13:34:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	218274	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	207836	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	102362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	86159	42.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.940%
7) Chloroethane-d5	1.910	69	82258	48.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.940%
11) 1,1-Dichloroethene-d2	2.566	63	158016	45.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.880%
21) 2-Butanone-d5	4.624	46	124361	118.671	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.670%
24) Chloroform-d	5.058	84	189640	53.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.220%
26) 1,2-Dichloroethane-d4	5.698	65	126394	56.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.380%
32) Benzene-d6	5.724	84	370136	49.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.840%
36) 1,2-Dichloropropane-d6	6.685	67	128039	52.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.720%
41) Toluene-d8	7.894	98	337710	49.192	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.380%
43) trans-1,3-Dichloroprop...	8.177	79	61749	50.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.120%
47) 2-Hexanone-d5	8.630	63	93165	111.347	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.350%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	176120	54.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.260%
66) 1,2-Dichlorobenzene-d4	12.190	152	118486	52.068	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	100851	45.155	ug/L	99
3) Chloromethane	1.518	50	104291	47.904	ug/L	98
5) Vinyl chloride	1.605	62	103862	44.511	ug/L	100
6) Bromomethane	1.856	94	69260	46.693	ug/L	98
8) Chloroethane	1.933	64	68691	48.363	ug/L	98
9) Trichlorofluoromethane	2.135	101	134713	44.401	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	78391	46.214	ug/L	100
12) 1,1-Dichloroethene	2.576	96	72449	45.135	ug/L	90
13) Acetone	2.637	43	70937	107.002	ug/L	98
14) Carbon disulfide	2.791	76	230238	44.256	ug/L	99
15) Methyl Acetate	2.946	43	87024	60.908	ug/L	98
16) Methylene chloride	3.042	84	123000	66.660	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	80986	49.668	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	324432	59.210	ug/L	100
19) 1,1-Dichloroethane	3.865	63	166422	52.027	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	99503	52.401	ug/L	99
22) 2-Butanone	4.704	43	116522	115.672	ug/L	97
23) Bromochloromethane	4.971	128	51350	57.609	ug/L	94
25) Chloroform	5.084	83	173190	53.130	ug/L	100

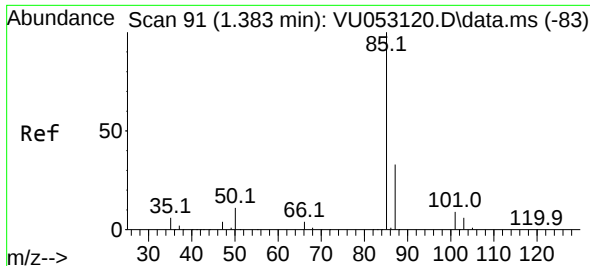
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021723\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	146380	57.858	ug/L	100
29) Cyclohexane	5.383	56	138766	45.182	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	137726	47.426	ug/L	100
31) Carbon tetrachloride	5.521	117	114537	46.416	ug/L	99
33) Benzene	5.772	78	367196	50.226	ug/L	100
34) Trichloroethene	6.537	95	91402	48.181	ug/L	98
35) Methylcyclohexane	6.759	83	146693	44.645	ug/L	100
37) 1,2-Dichloropropane	6.788	63	106533	52.843	ug/L	100
38) Bromodichloromethane	7.103	83	138870	54.763	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	165450	49.977	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	239134	111.385	ug/L	100
42) Toluene	7.965	91	385871	49.619	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	155626	50.751	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	102727	56.188	ug/L	99
46) Tetrachloroethene	8.550	164	58395	46.468	ug/L	97
48) 2-Hexanone	8.682	43	182949	107.994	ug/L	99
49) Dibromochloromethane	8.807	129	105683	55.965	ug/L	97
50) 1,2-Dibromoethane	8.920	107	108401	55.819	ug/L	98
51) Chlorobenzene	9.444	112	240930	50.011	ug/L	99
52) Ethylbenzene	9.566	91	421207	48.566	ug/L	99
53) m,p-Xylene	9.691	106	160506	49.216	ug/L	99
54) o-xylene	10.096	106	161425	49.926	ug/L	98
55) Styrene	10.112	104	271422	50.612	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	164645	55.518	ug/L	100
59) Bromoform	10.286	173	72679	57.682	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	122196	57.196	ug/L	100
61) Isopropylbenzene	10.482	105	413130	50.554	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	344184	49.743	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	336487	50.242	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	173873	51.956	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	174001	51.250	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	179114	52.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	35665	56.630	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	111519	49.157	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	104499	48.671	ug/L	99
71) Naphthalene	14.083	128	387693	47.031	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	105859	49.103	ug/L	99

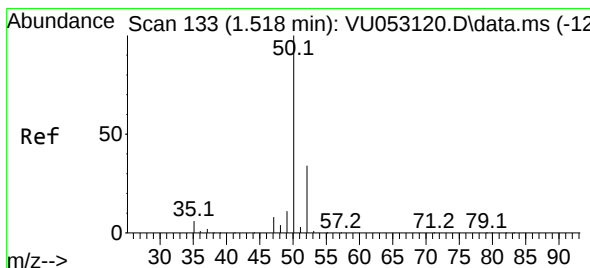
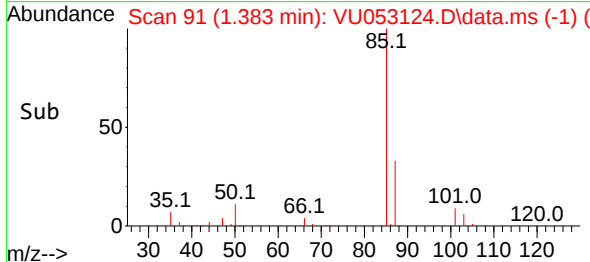
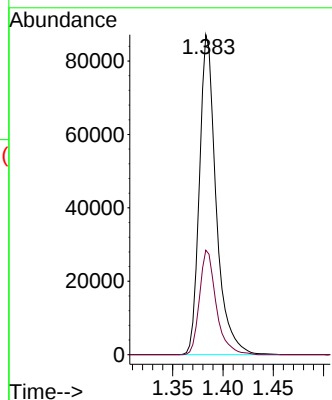
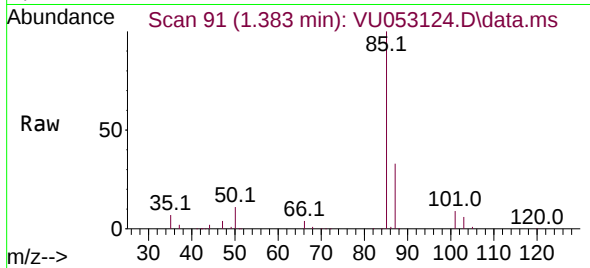
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 45.155 ug/L
RT: 1.383 min Scan# 91
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

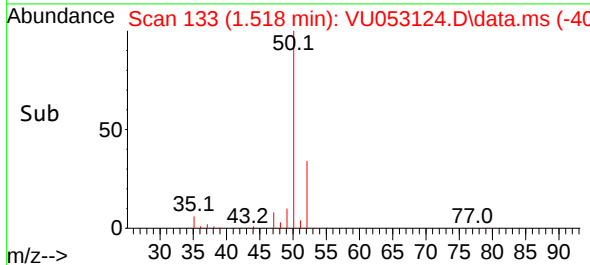
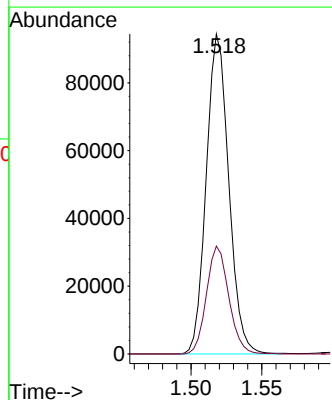
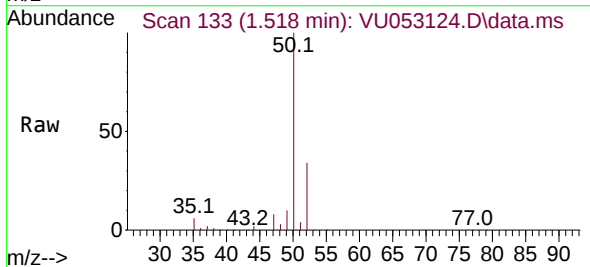
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

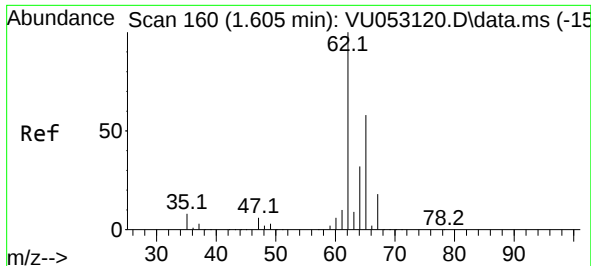
Tgt Ion: 85 Resp: 100851
Ion Ratio Lower Upper
85 100
87 32.6 25.6 38.4



#3
Chloromethane
Concen: 47.904 ug/L
RT: 1.518 min Scan# 133
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 50 Resp: 104291
Ion Ratio Lower Upper
50 100
52 33.7 22.8 42.4





#5

Vinyl chloride

Concen: 44.511 ug/L

RT: 1.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

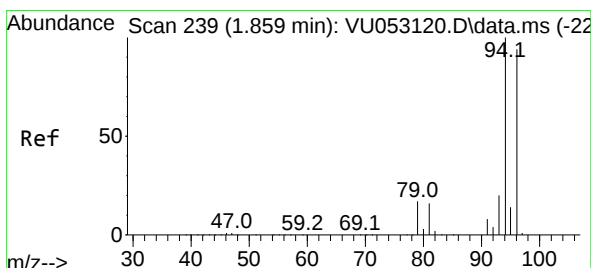
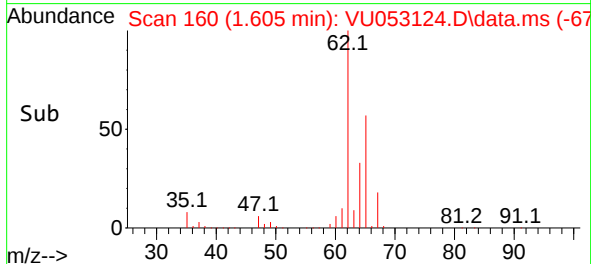
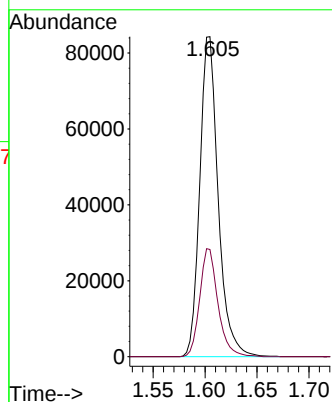
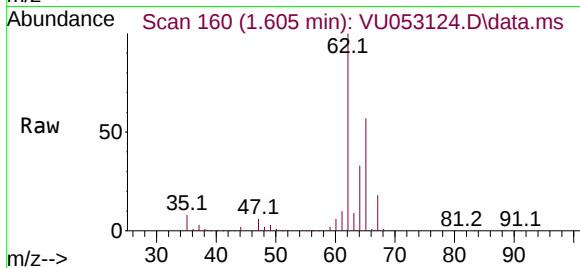
VSTD050157

Tgt Ion: 62 Resp: 103862

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 46.693 ug/L

RT: 1.856 min Scan# 238

Delta R.T. -0.003 min

Lab File: VU053124.D

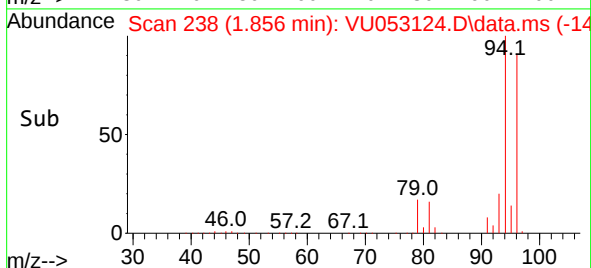
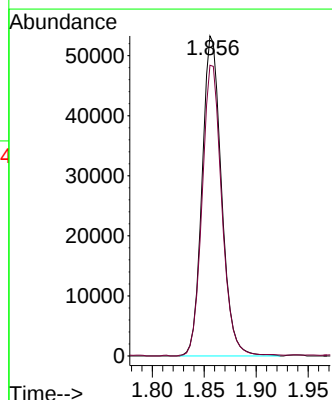
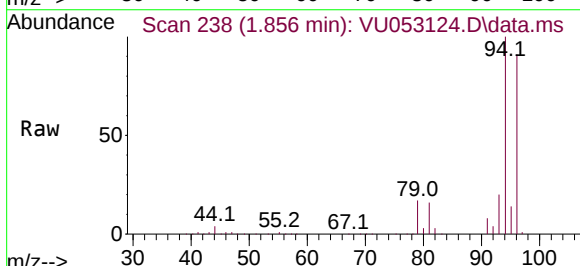
Acq: 17 Feb 2023 12:55

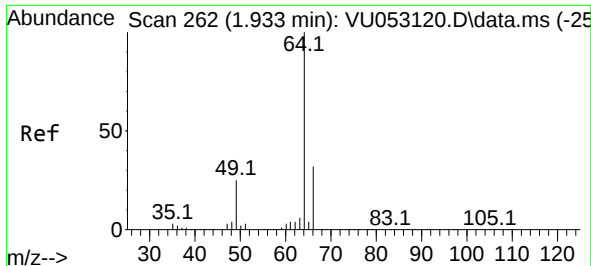
Tgt Ion: 94 Resp: 69260

Ion Ratio Lower Upper

94 100

96 90.9 65.0 120.8





#8

Chloroethane

Concen: 48.363 ug/L

RT: 1.933 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

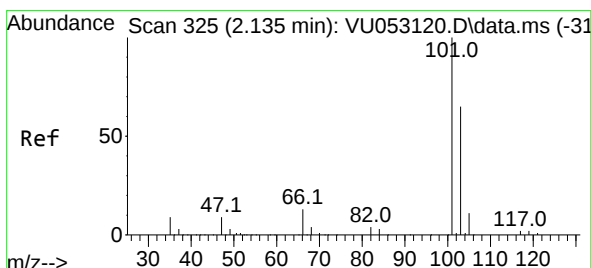
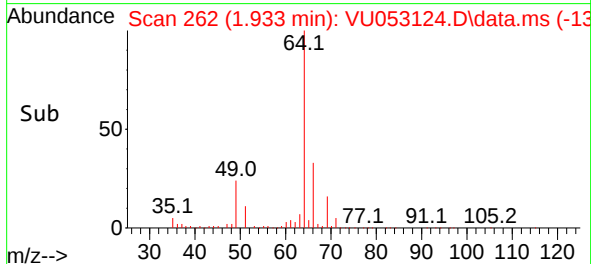
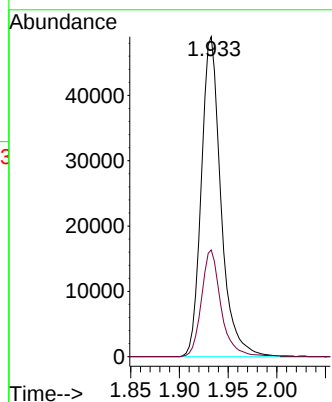
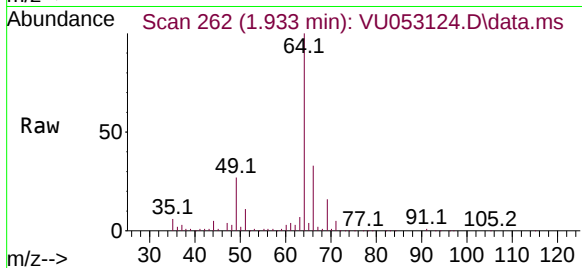
VSTD050157

Tgt Ion: 64 Resp: 68691

Ion Ratio Lower Upper

64 100

66 33.4 22.4 41.6



#9

Trichlorofluoromethane

Concen: 44.401 ug/L

RT: 2.135 min Scan# 325

Delta R.T. 0.000 min

Lab File: VU053124.D

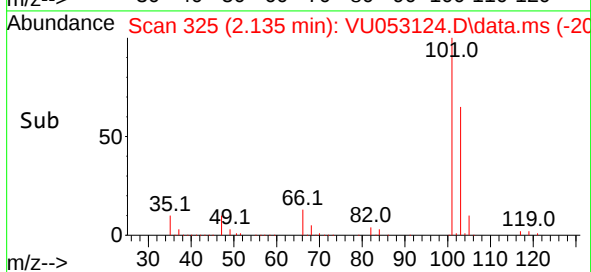
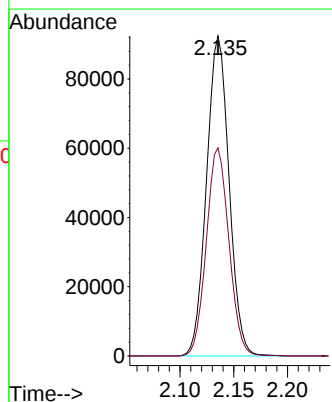
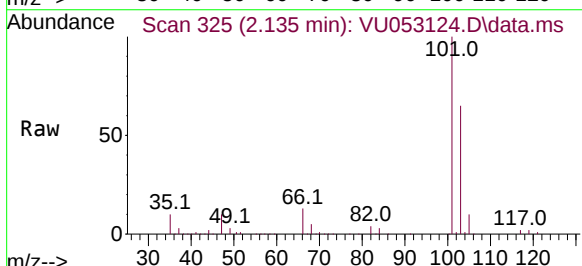
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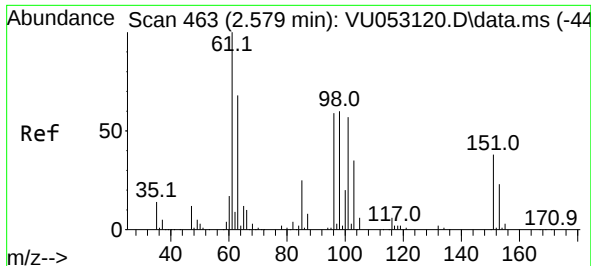
Tgt Ion:101 Resp: 134713

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.0

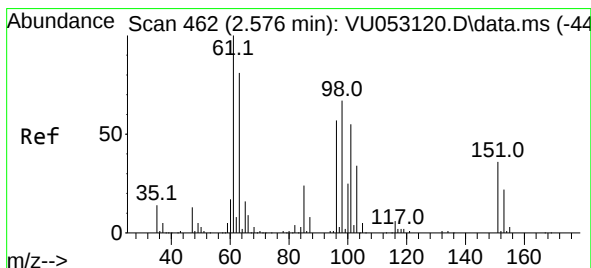
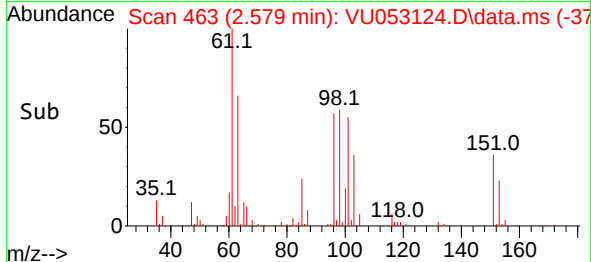
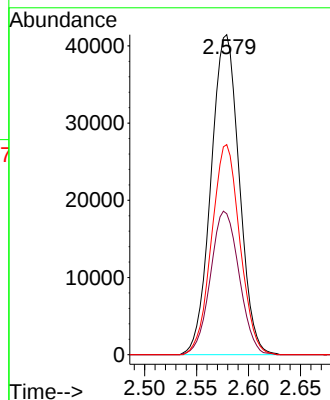
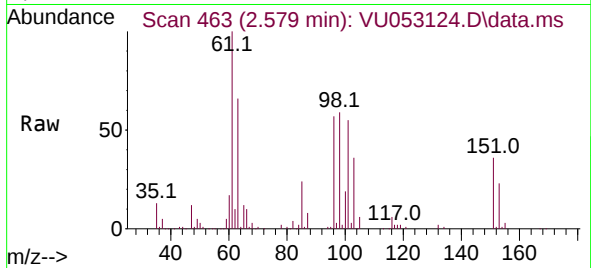




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.214 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU053124.D
 Acq: 17 Feb 2023 12:55

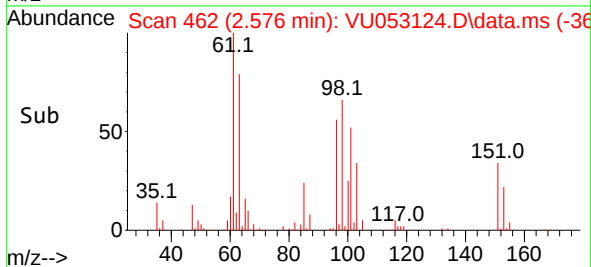
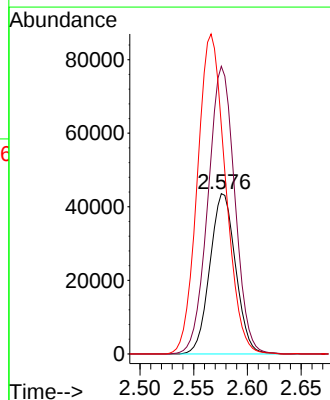
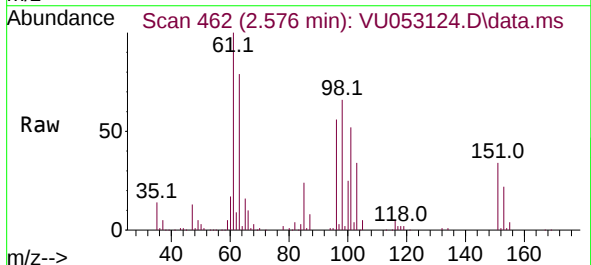
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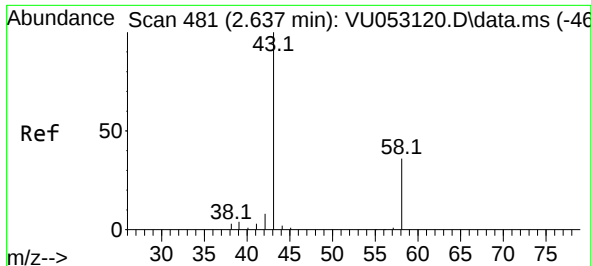
Tgt Ion:101 Resp: 78391
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 54.8
 151 65.7 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 45.135 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VU053124.D
 Acq: 17 Feb 2023 12:55

Tgt Ion: 96 Resp: 72449
 Ion Ratio Lower Upper
 96 100
 61 179.4 121.9 226.3
 63 142.5 84.2 156.4





#13

Acetone

Concen: 107.002 ug/L

RT: 2.637 min Scan# 481

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

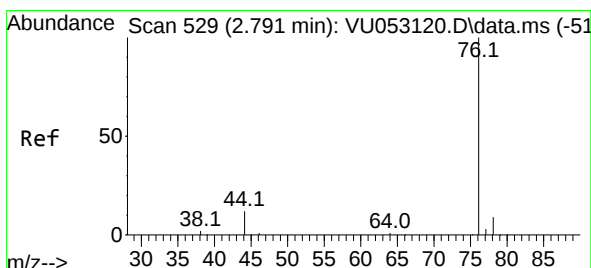
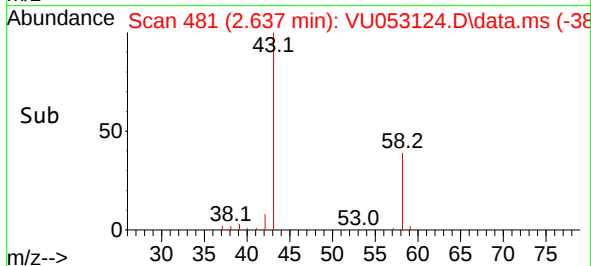
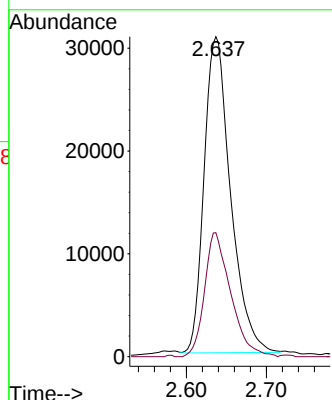
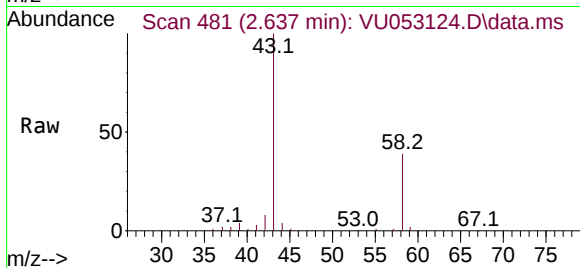
VSTD050157

Tgt Ion: 43 Resp: 70937

Ion Ratio Lower Upper

43 100

58 38.6 0.0 74.6



#14

Carbon disulfide

Concen: 44.256 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053124.D

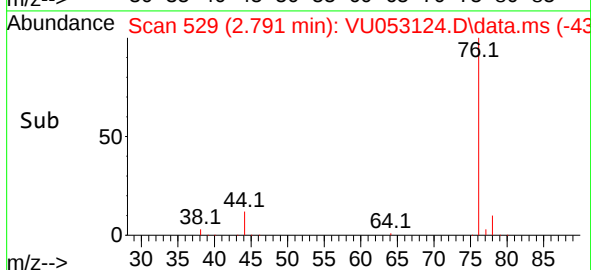
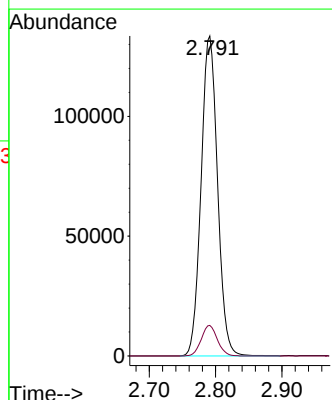
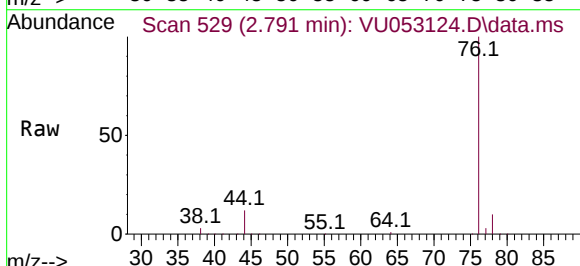
Acq: 17 Feb 2023 12:55

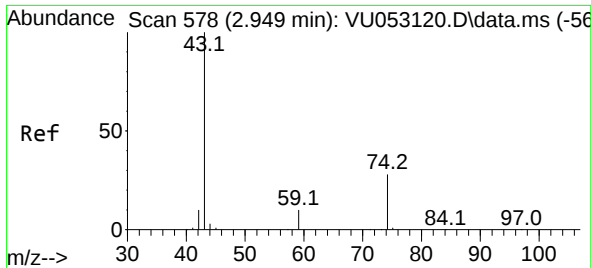
Tgt Ion: 76 Resp: 230238

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

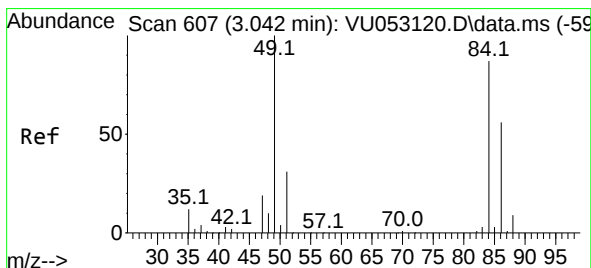
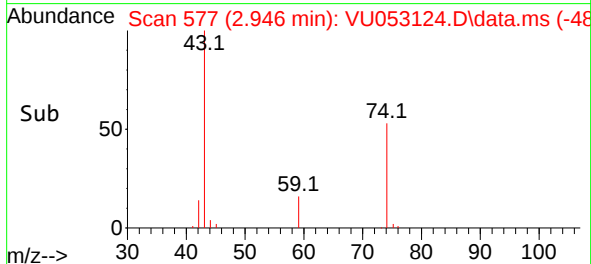
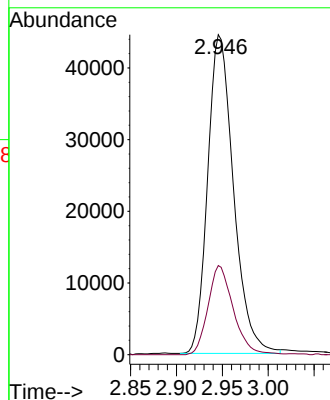
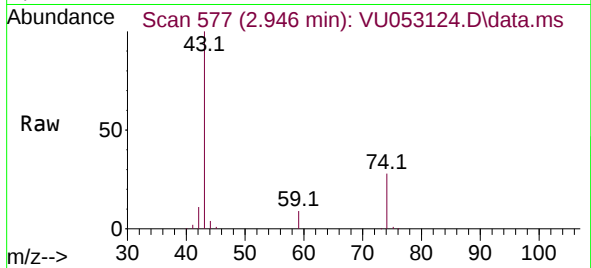




#15
Methyl Acetate
Concen: 60.908 ug/L
RT: 2.946 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

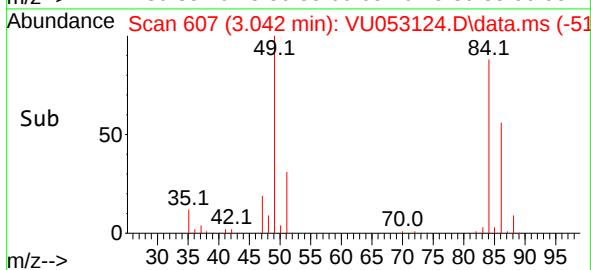
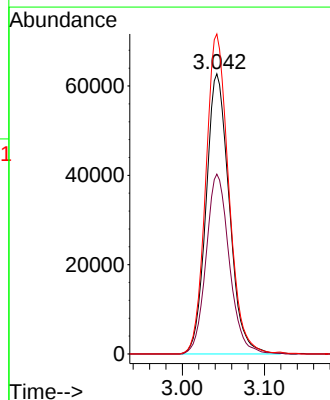
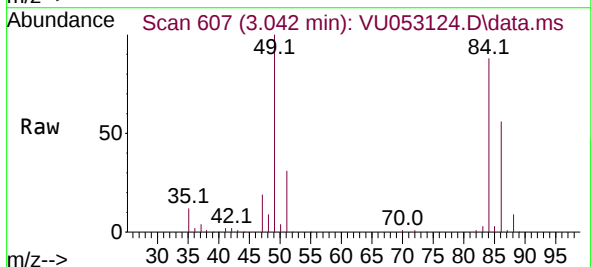
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

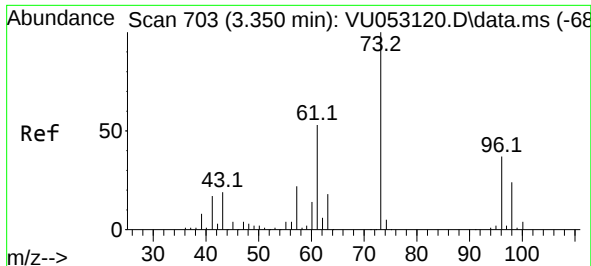
Tgt Ion: 43 Resp: 87024
Ion Ratio Lower Upper
43 100
74 27.3 22.7 34.1



#16
Methylene chloride
Concen: 66.660 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 84 Resp: 123000
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 114.2 78.8 146.3

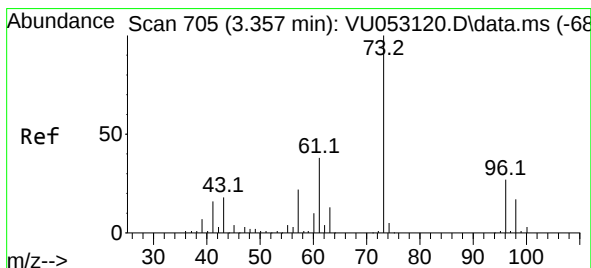
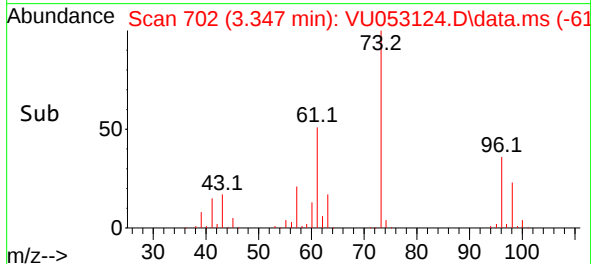
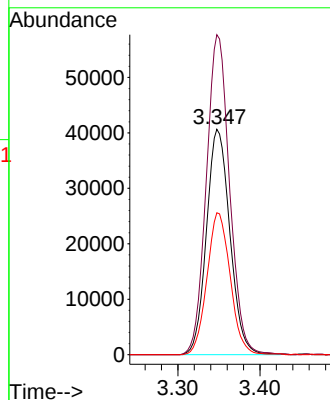
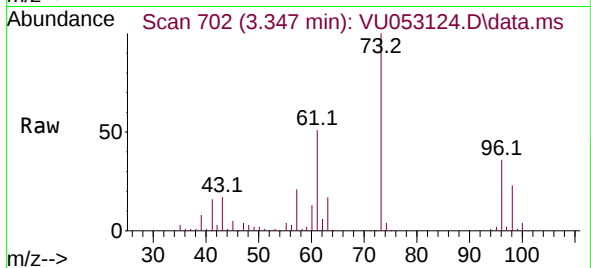




#17
trans-1,2-Dichloroethene
Concen: 49.668 ug/L
RT: 3.347 min Scan# 702
Delta R.T. -0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

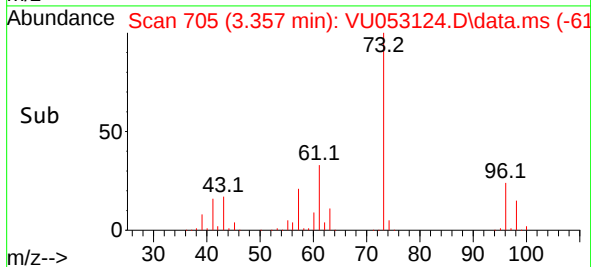
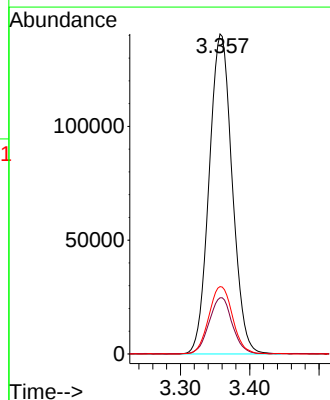
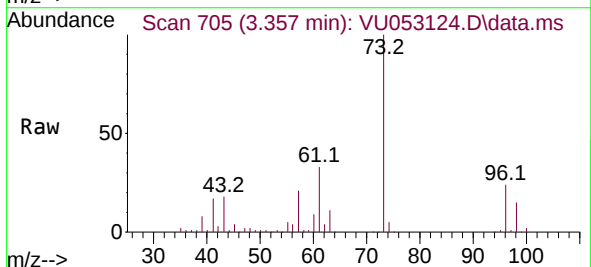
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

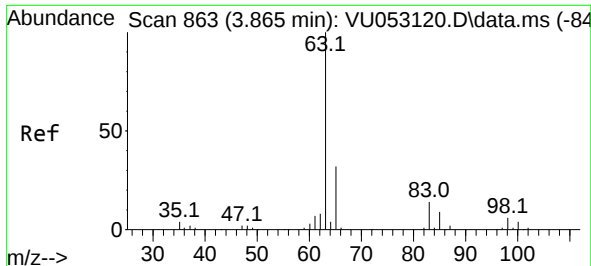
Tgt Ion: 96 Resp: 80986
Ion Ratio Lower Upper
96 100
61 142.0 99.2 184.2
98 63.0 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 59.210 ug/L
RT: 3.357 min Scan# 705
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 73 Resp: 324432
Ion Ratio Lower Upper
73 100
43 17.6 14.1 21.1
57 21.8 17.4 26.0





#19

1,1-Dichloroethane

Concen: 52.027 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

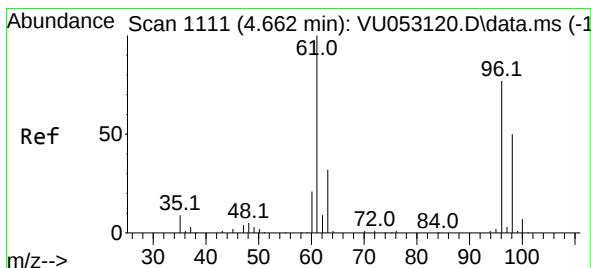
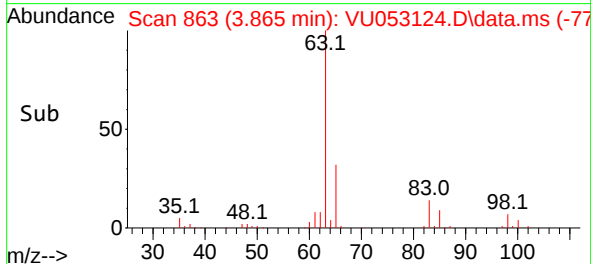
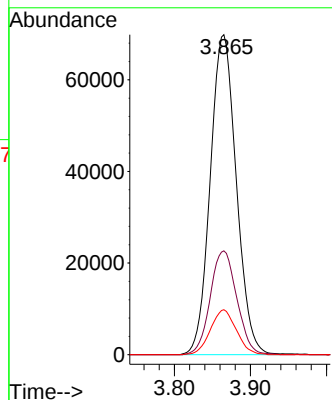
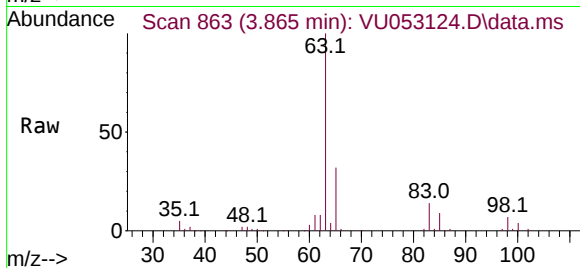
Tgt Ion: 63 Resp: 166422

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 14.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 52.401 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

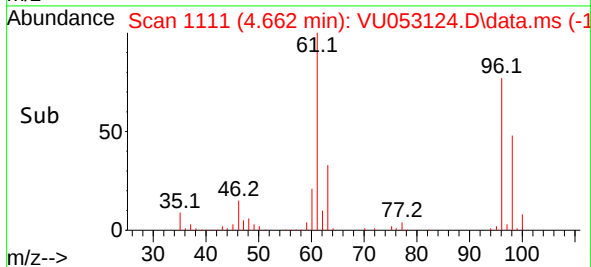
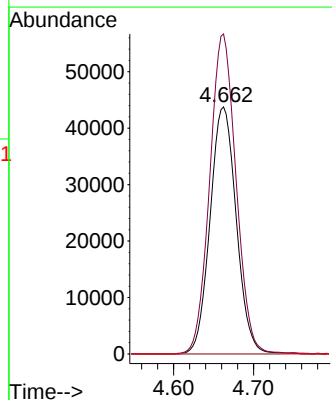
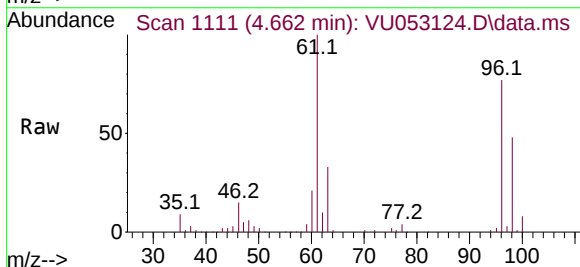
Tgt Ion: 96 Resp: 99503

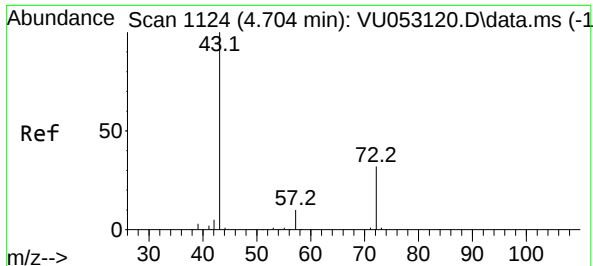
Ion Ratio Lower Upper

96 100

61 129.6 91.9 170.7

68 0.0 0.0 0.0

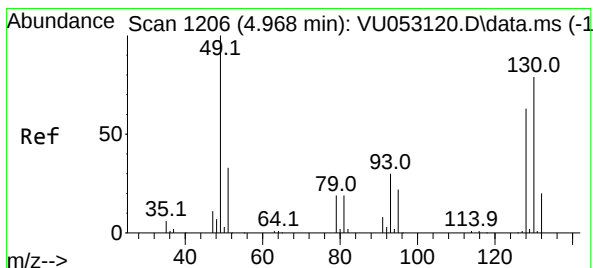
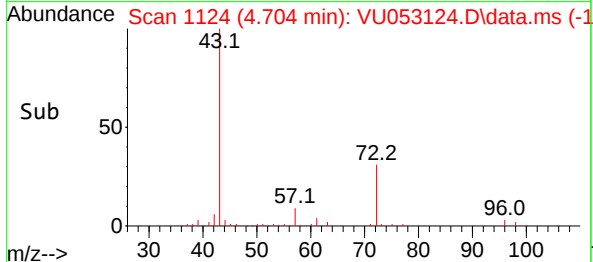
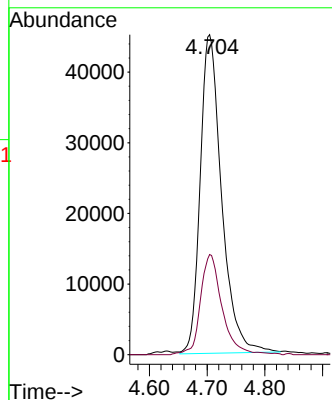
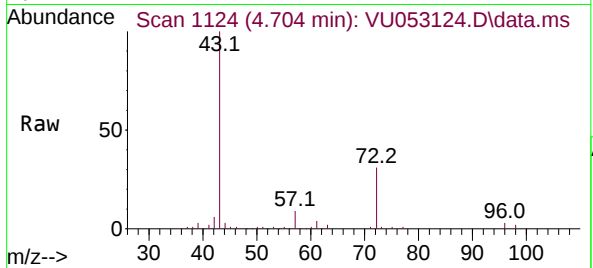




#22
2-Butanone
Concen: 115.672 ug/L
RT: 4.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

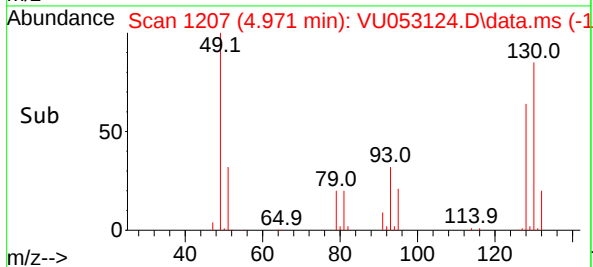
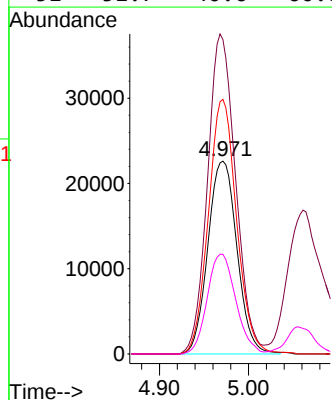
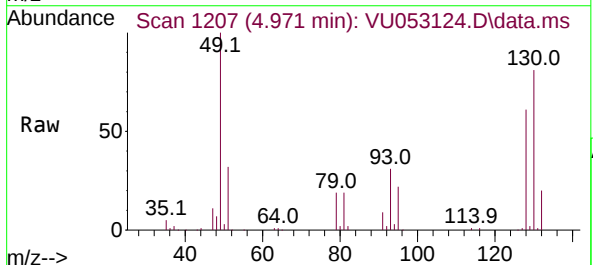
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

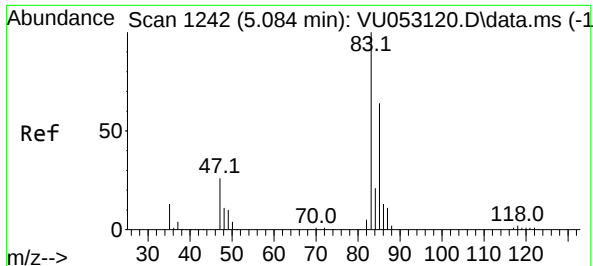
Tgt Ion: 43 Resp: 116522
Ion Ratio Lower Upper
43 100
72 31.2 16.6 49.7



#23
Bromochloromethane
Concen: 57.609 ug/L
RT: 4.971 min Scan# 1207
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 128 Resp: 51350
Ion Ratio Lower Upper
128 100
49 163.1 107.6 199.8
130 132.0 87.9 163.3
51 51.7 40.6 60.8





#25

Chloroform

Concen: 53.130 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

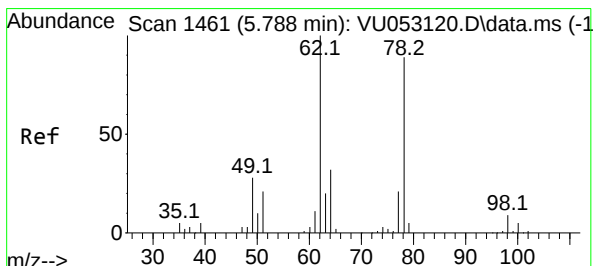
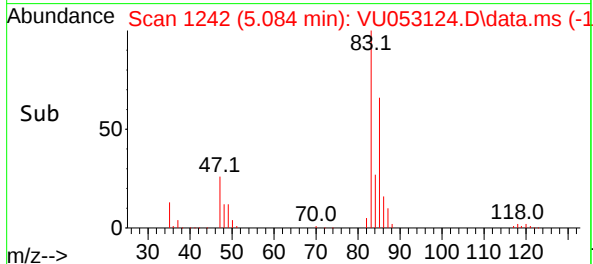
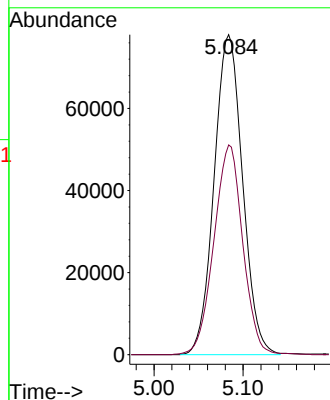
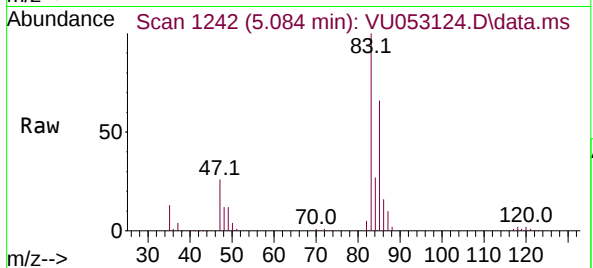
VSTD050157

Tgt Ion: 83 Resp: 173190

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 57.858 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VU053124.D

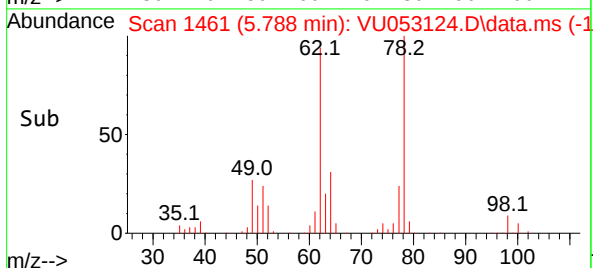
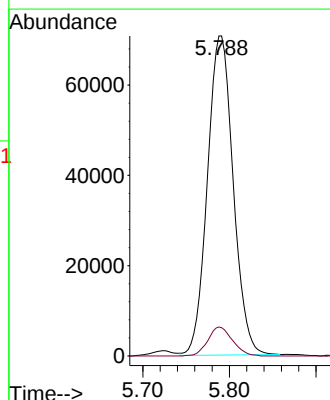
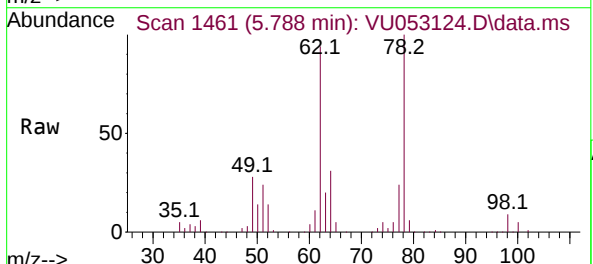
Acq: 17 Feb 2023 12:55

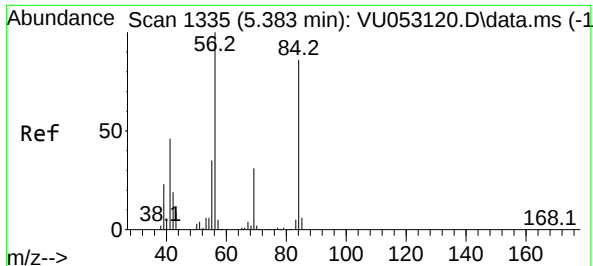
Tgt Ion: 62 Resp: 146380

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 45.182 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

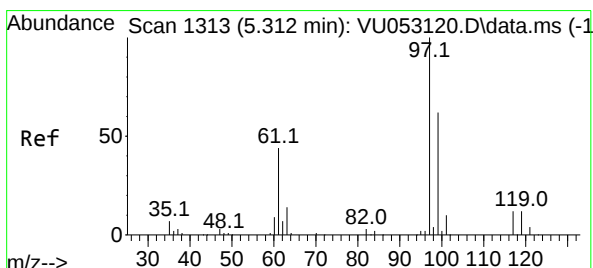
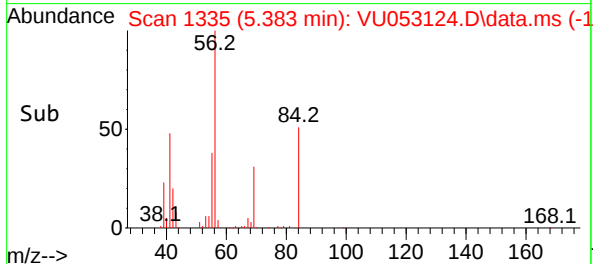
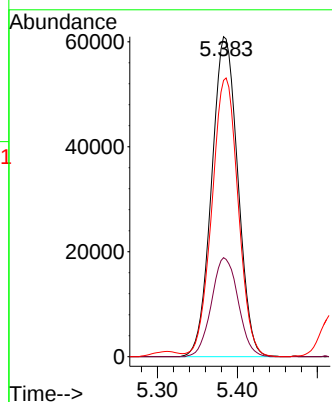
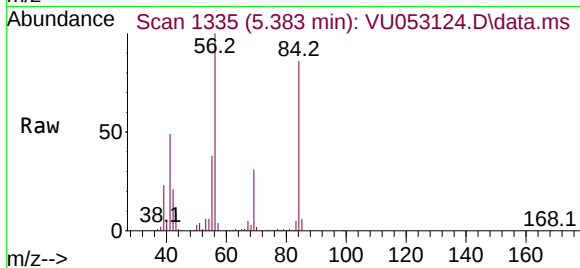
Tgt Ion: 56 Resp: 138766

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

84 87.3 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.426 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

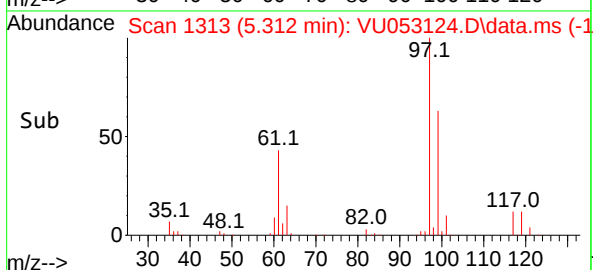
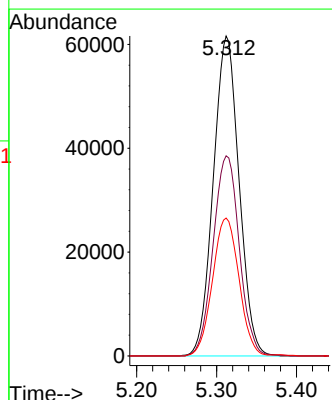
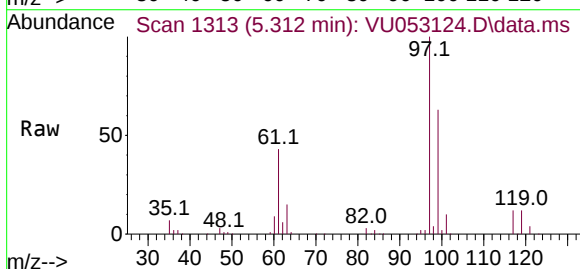
Tgt Ion: 97 Resp: 137726

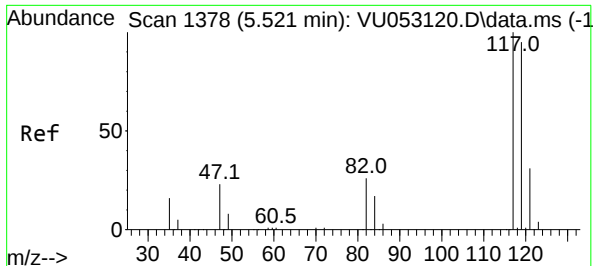
Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 44.4 35.3 52.9

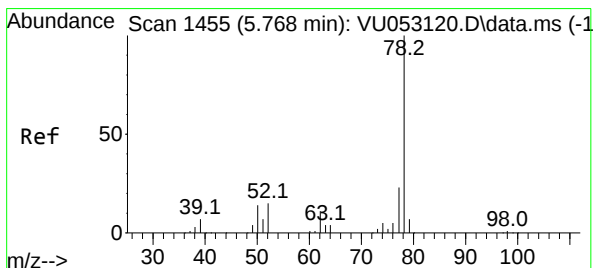
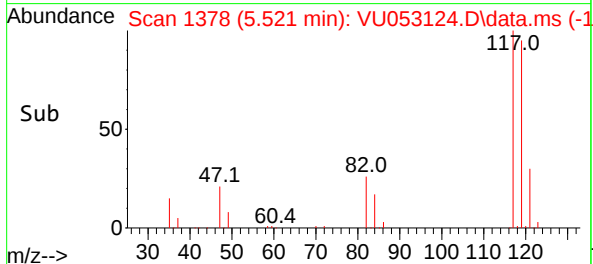
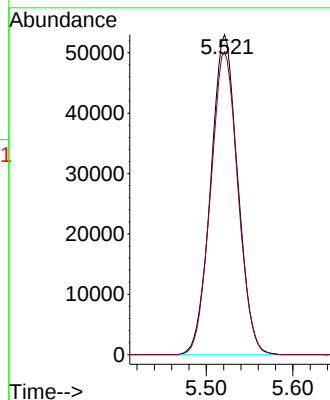
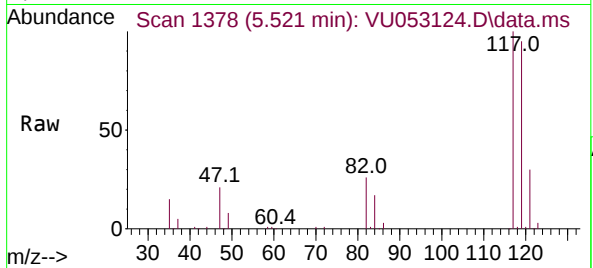




#31
Carbon tetrachloride
Concen: 46.416 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

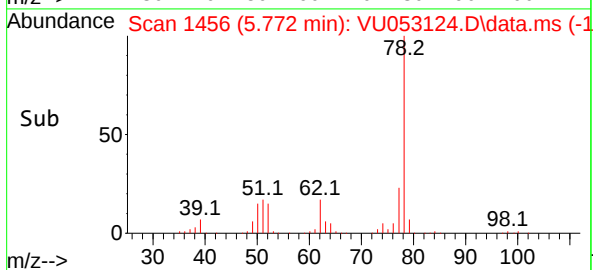
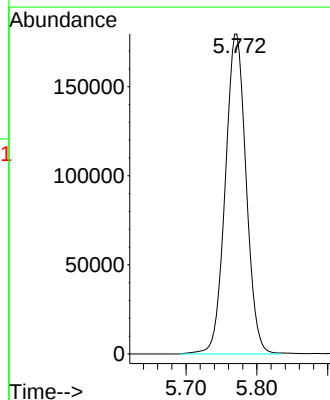
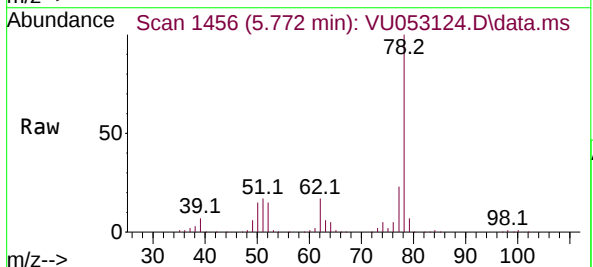
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

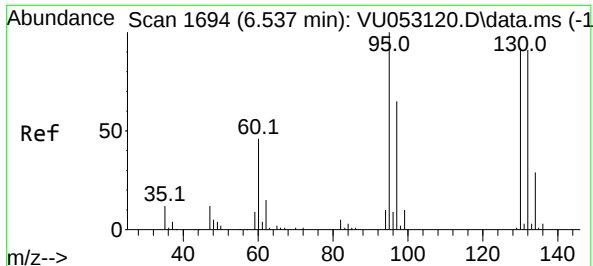
Tgt Ion:117 Resp: 114537
Ion Ratio Lower Upper
117 100
119 96.0 75.9 113.9



#33
Benzene
Concen: 50.226 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 78 Resp: 367196





#34

Trichloroethene

Concen: 48.181 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

Tgt Ion: 95 Resp: 91402

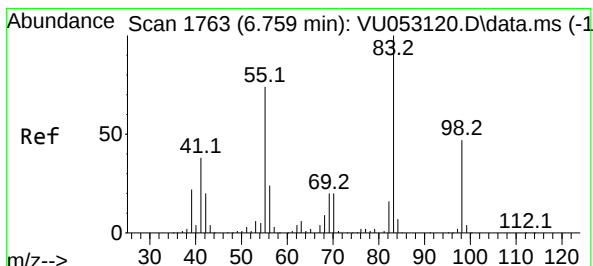
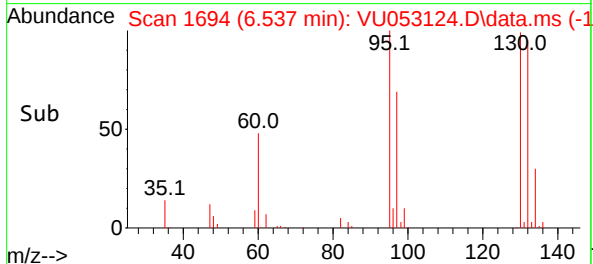
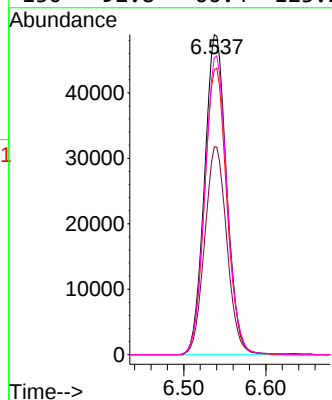
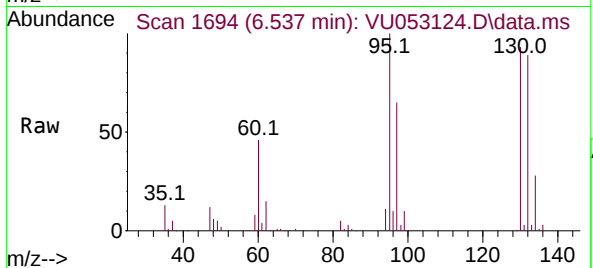
Ion Ratio Lower Upper

95 100

97 64.9 47.1 87.5

132 89.1 63.6 118.2

130 92.8 66.4 123.2



#35

Methylcyclohexane

Concen: 44.645 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

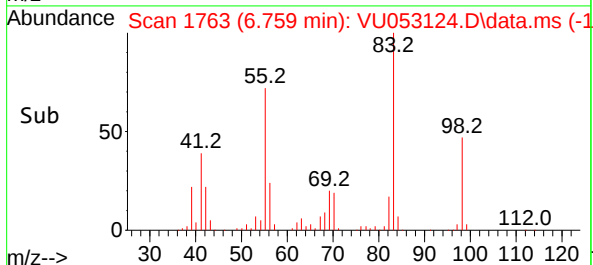
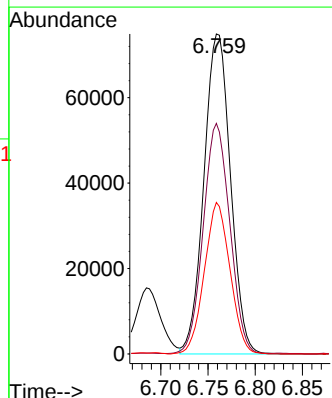
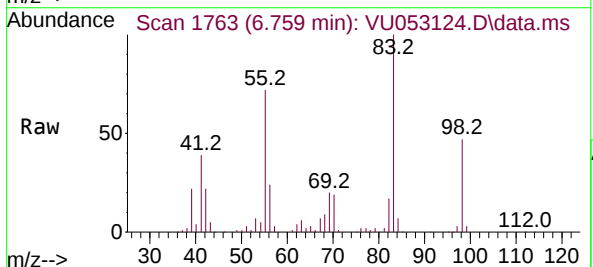
Tgt Ion: 83 Resp: 146693

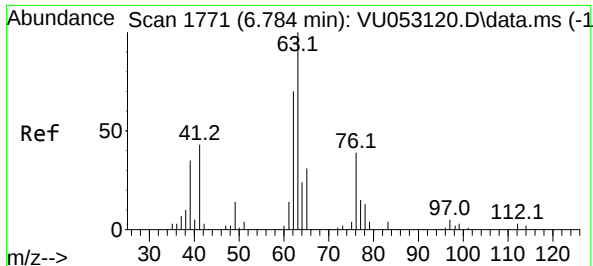
Ion Ratio Lower Upper

83 100

55 71.9 57.4 86.2

98 45.7 36.1 54.1





#37

1,2-Dichloropropane

Concen: 52.843 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

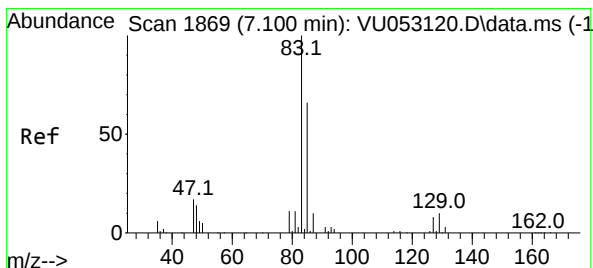
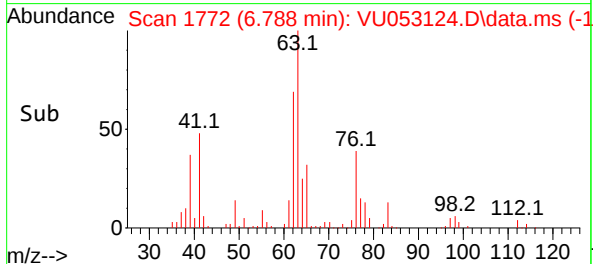
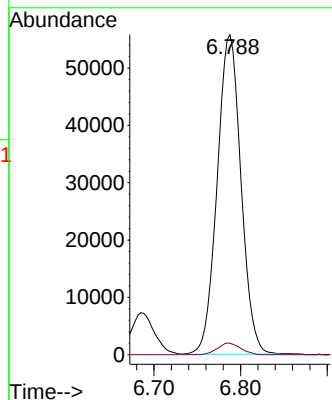
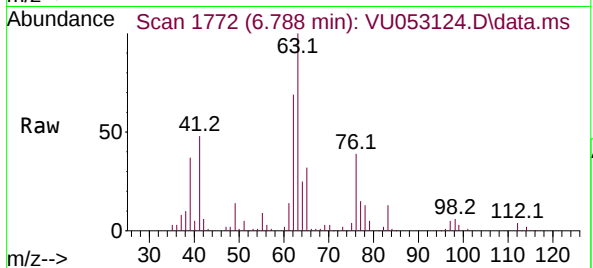
VSTD050157

Tgt Ion: 63 Resp: 106533

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



#38

Bromodichloromethane

Concen: 54.763 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

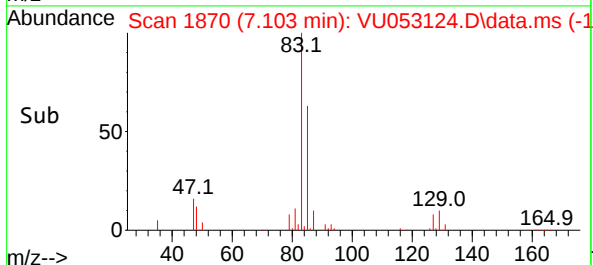
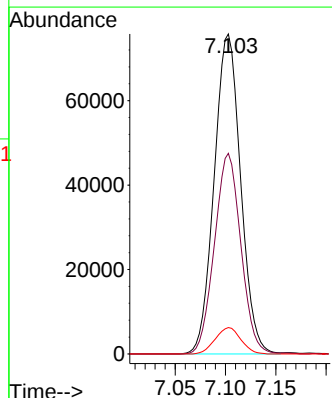
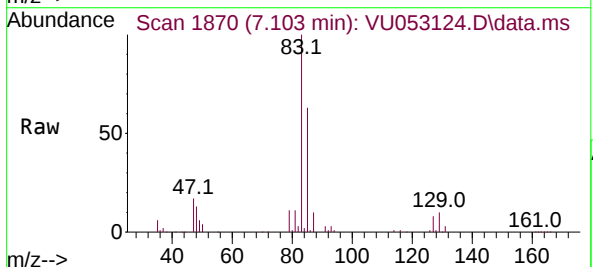
Tgt Ion: 83 Resp: 138870

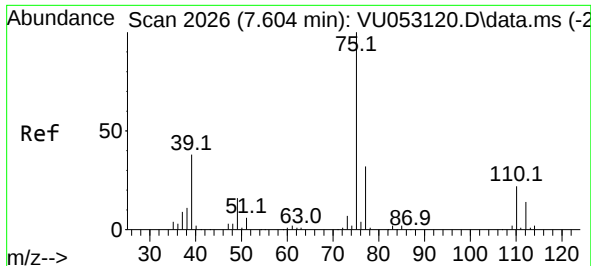
Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.0

127 8.3 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 49.977 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

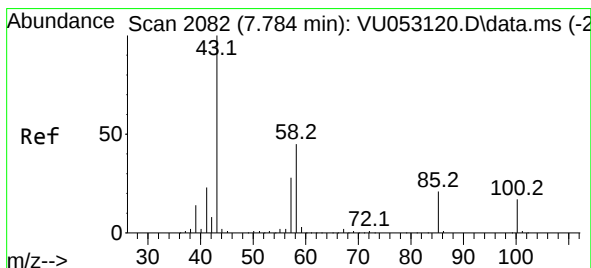
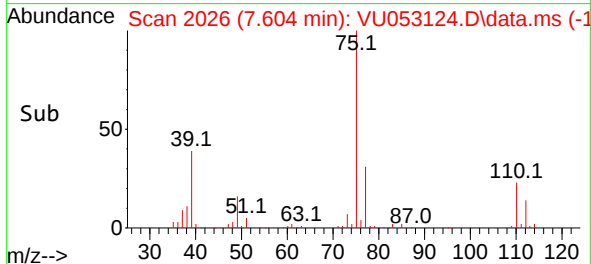
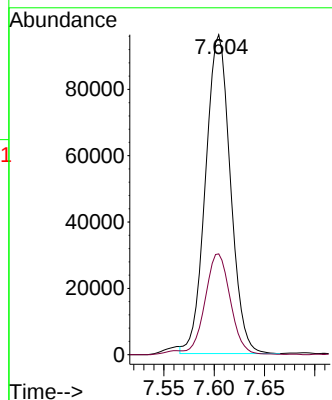
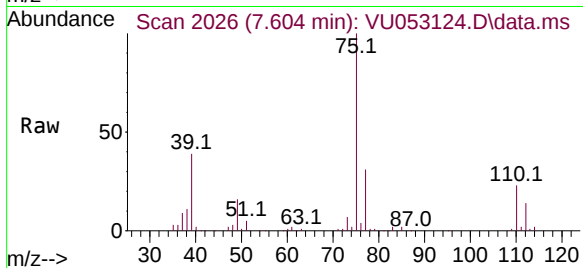
VSTD050157

Tgt Ion: 75 Resp: 165450

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 111.385 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

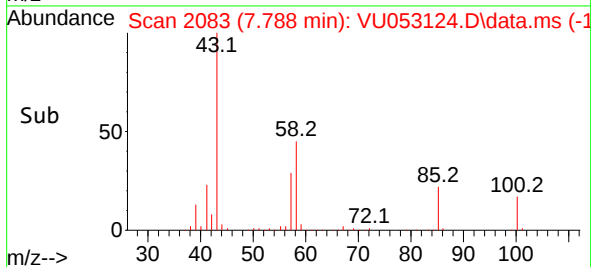
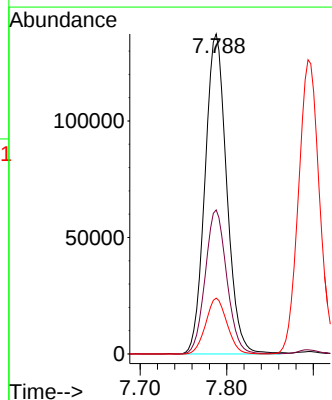
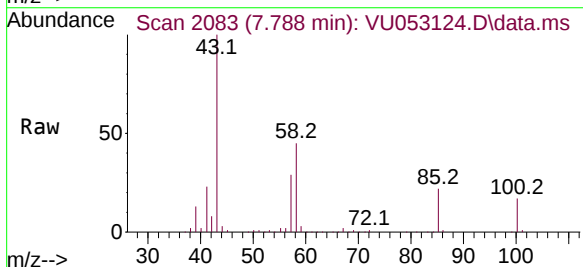
Tgt Ion: 43 Resp: 239134

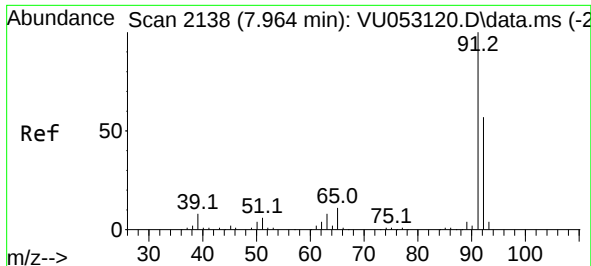
Ion Ratio Lower Upper

43 100

58 44.7 35.9 53.9

100 17.1 13.7 20.5





#42

Toluene

Concen: 49.619 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

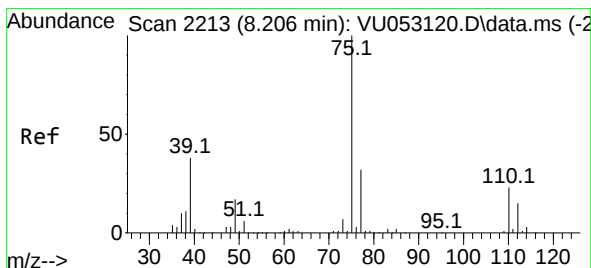
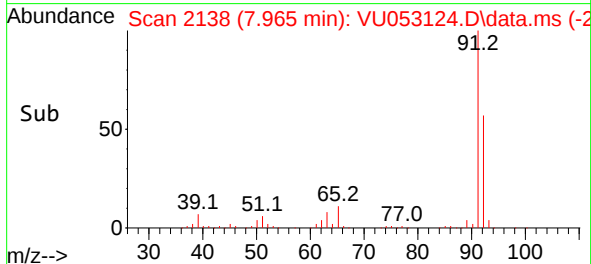
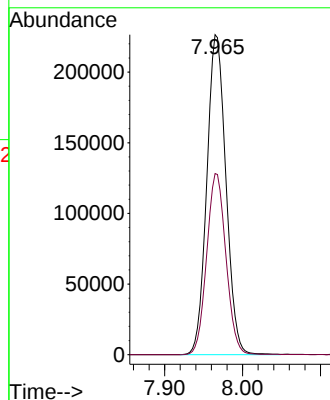
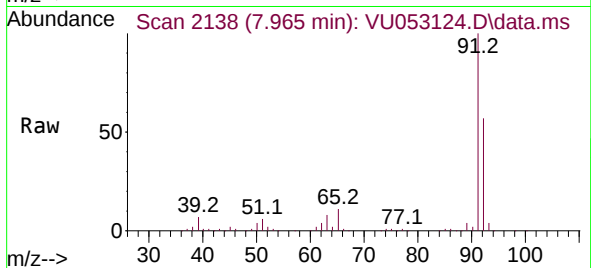
VSTD050157

Tgt Ion: 91 Resp: 385871

Ion Ratio Lower Upper

91 100

92 56.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 50.751 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053124.D

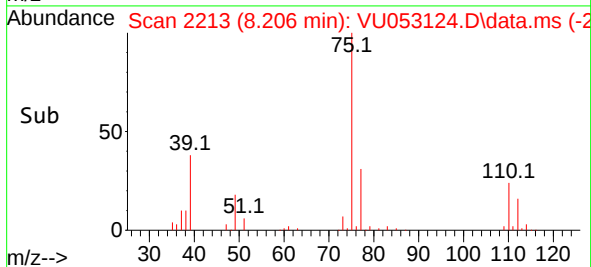
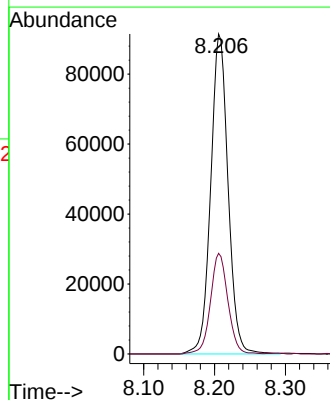
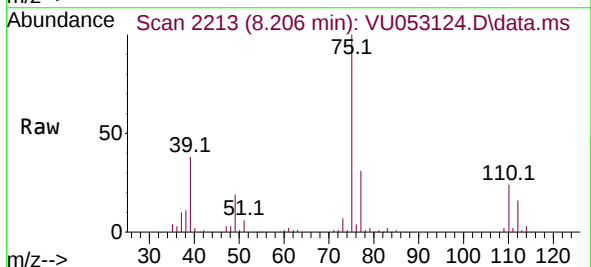
Acq: 17 Feb 2023 12:55

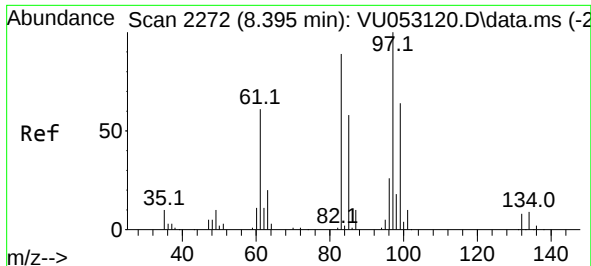
Tgt Ion: 75 Resp: 155626

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



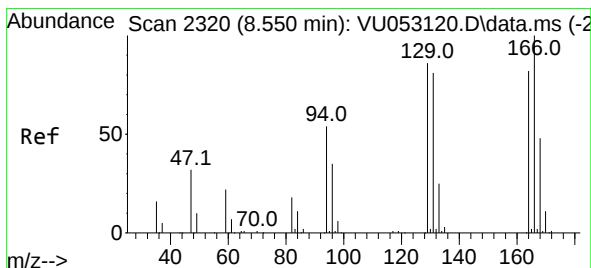
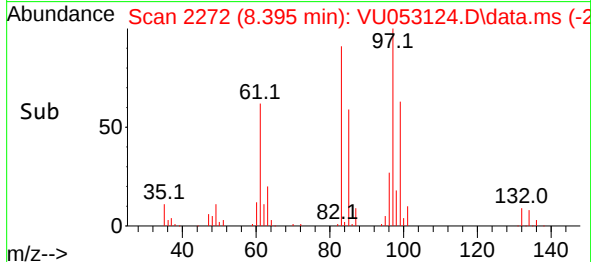
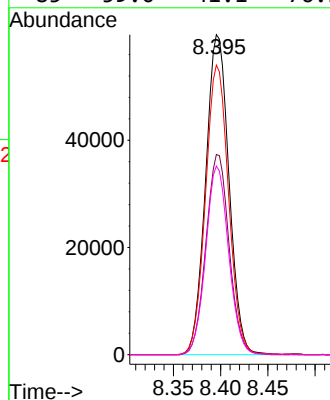
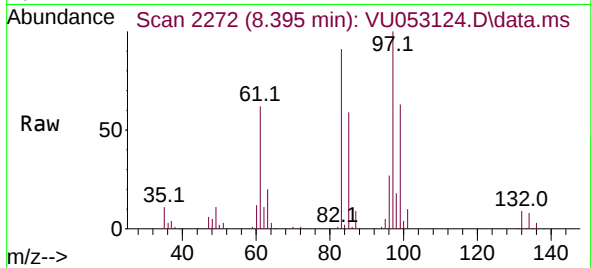


#45
1,1,2-Trichloroethane
Concen: 56.188 ug/L
RT: 8.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

Tgt Ion: 97 Resp: 102727

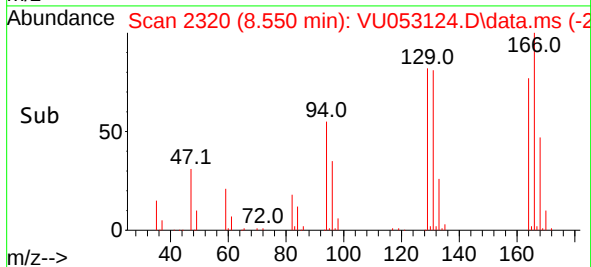
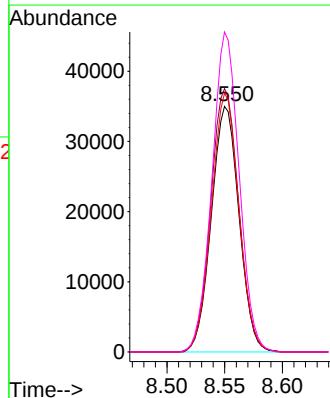
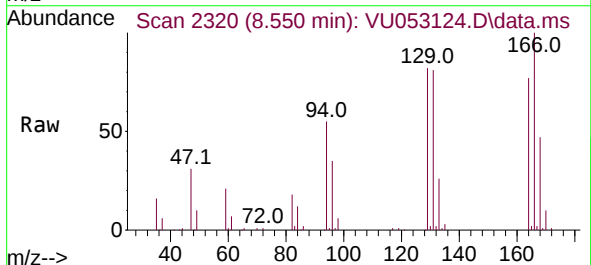
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.7	81.1
83	90.5	61.7	114.5
85	59.0	41.1	76.3

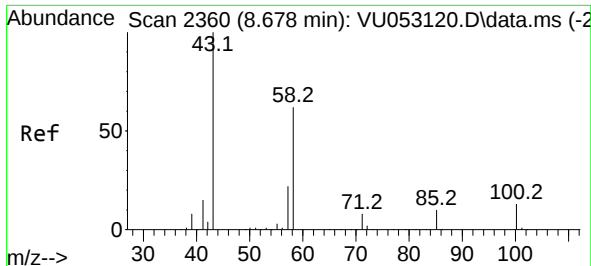


#46
Tetrachloroethene
Concen: 46.468 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 164 Resp: 58395

Ion	Ratio	Lower	Upper
164	100		
129	107.2	74.8	139.0
131	105.3	70.7	131.3
166	130.3	88.6	164.6

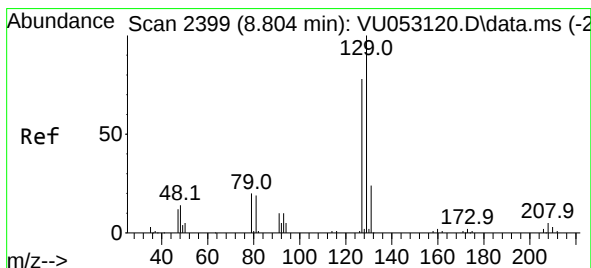
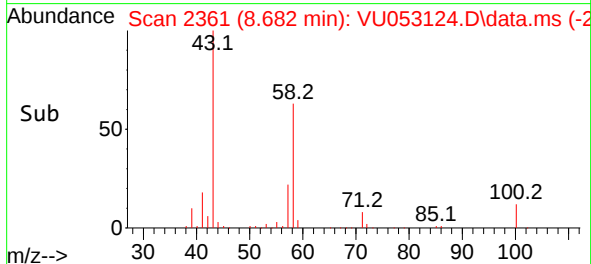
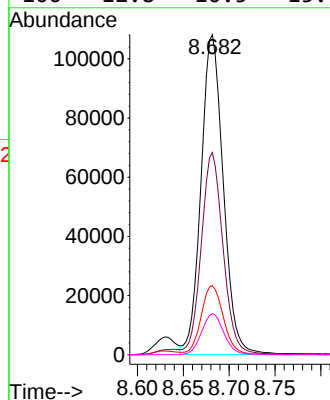
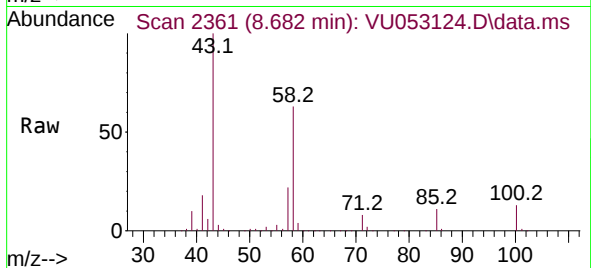




#48
2-Hexanone
Concen: 107.994 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

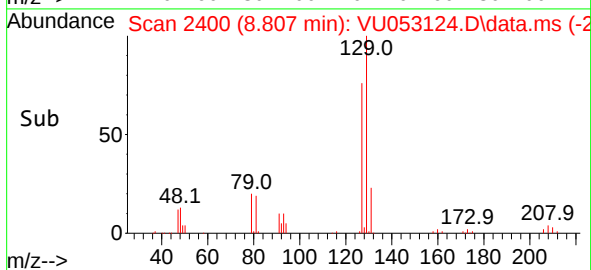
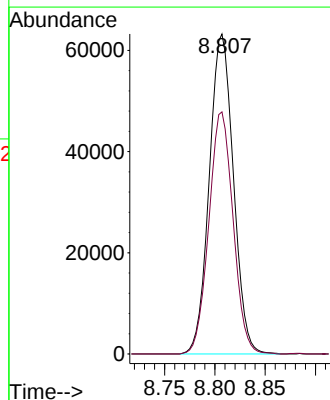
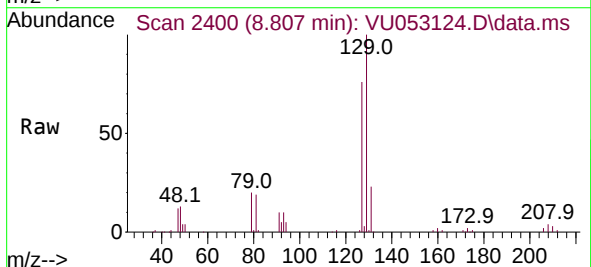
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

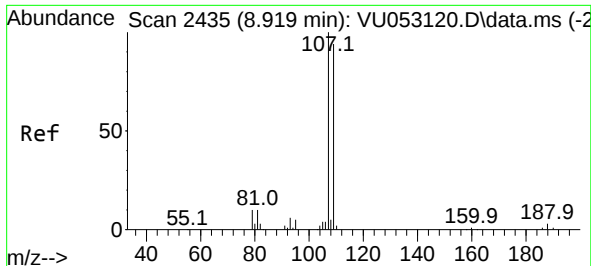
Tgt Ion:	43	Resp:	182949
Ion	Ratio	Lower	Upper
43	100		
58	61.6	50.0	75.0
57	21.6	17.7	26.5
100	12.8	10.5	15.7



#49
Dibromochloromethane
Concen: 55.965 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion:	129	Resp:	105683
Ion	Ratio	Lower	Upper
129	100		
127	75.6	54.9	101.9

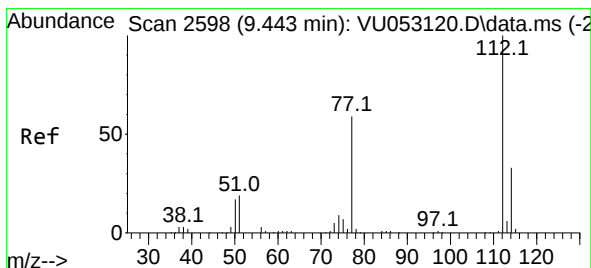
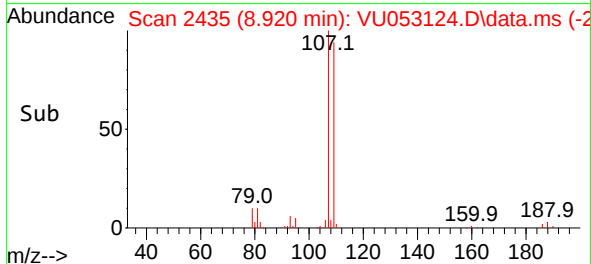
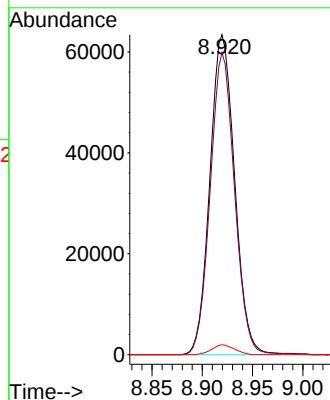
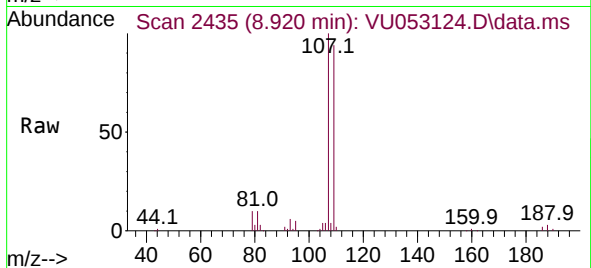




#50
1,2-Dibromoethane
Concen: 55.819 ug/L
RT: 8.920 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

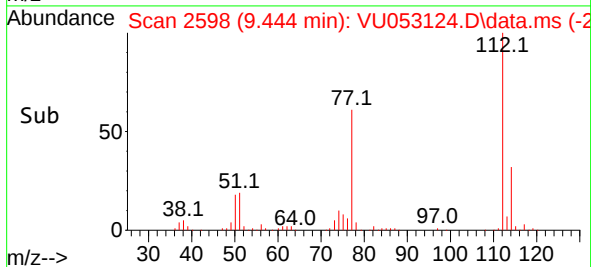
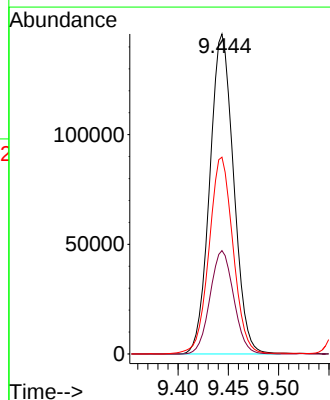
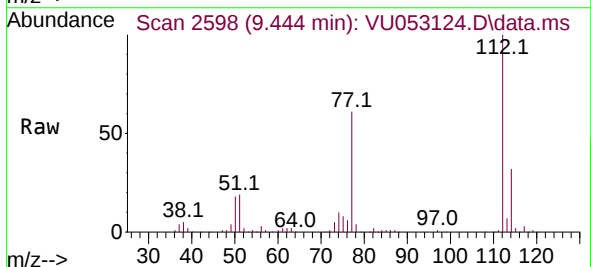
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

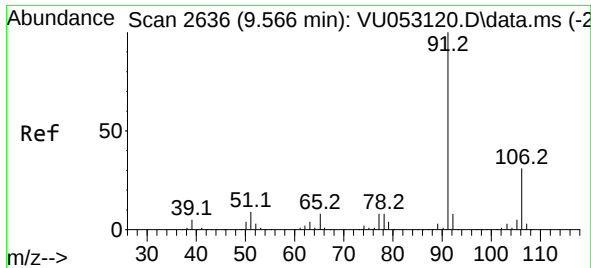
Tgt Ion:107 Resp: 108401
Ion Ratio Lower Upper
107 100
109 94.4 64.5 119.9
188 3.1 2.2 3.4



#51
Chlorobenzene
Concen: 50.011 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion:112 Resp: 240930
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 61.5 48.8 73.2

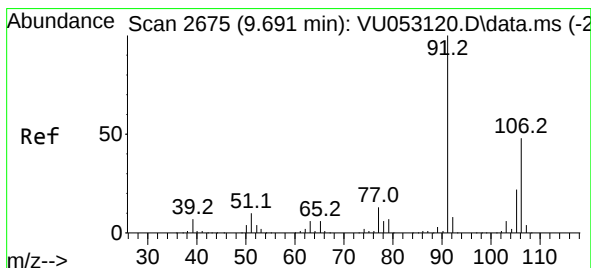
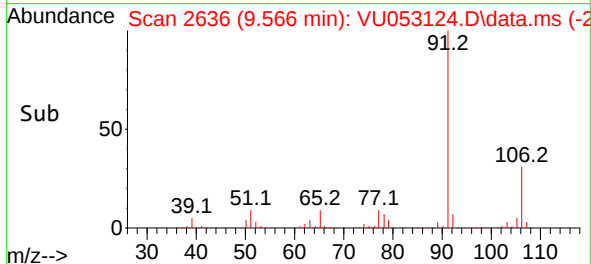
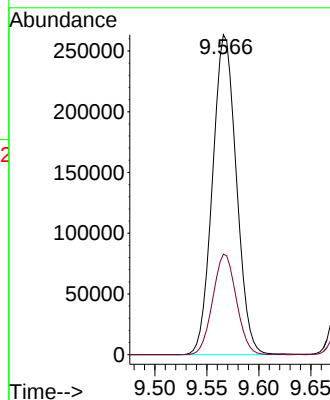
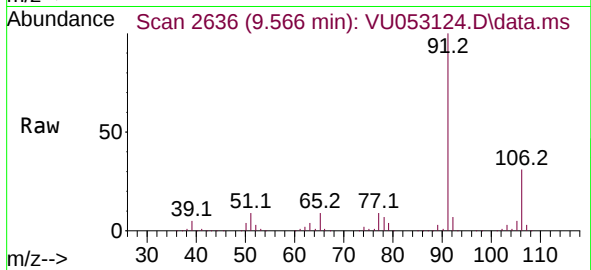




#52
Ethylbenzene
Concen: 48.566 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

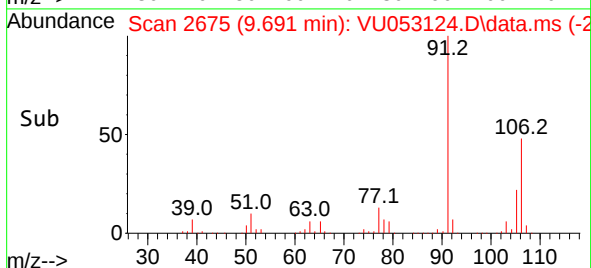
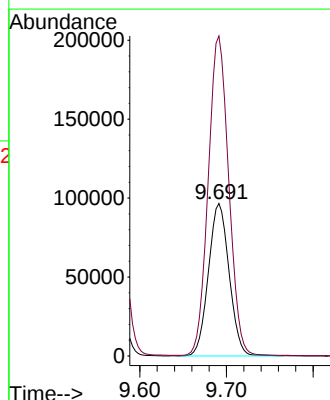
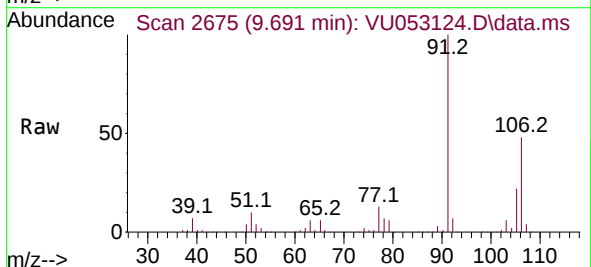
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

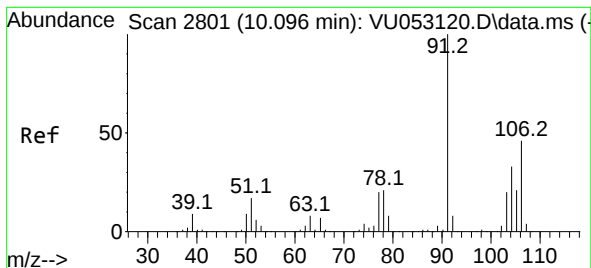
Tgt Ion: 91 Resp: 421207
Ion Ratio Lower Upper
91 100
106 31.4 21.5 39.9



#53
m,p-Xylene
Concen: 49.216 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 106 Resp: 160506
Ion Ratio Lower Upper
106 100
91 209.9 145.6 270.4





#54

o-xylene

Concen: 49.926 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

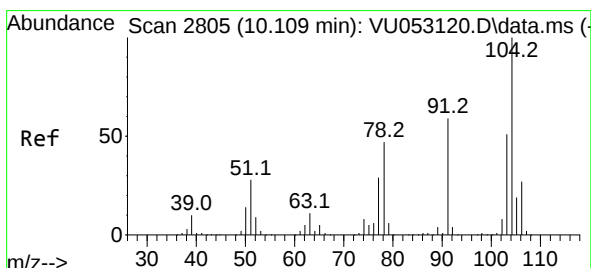
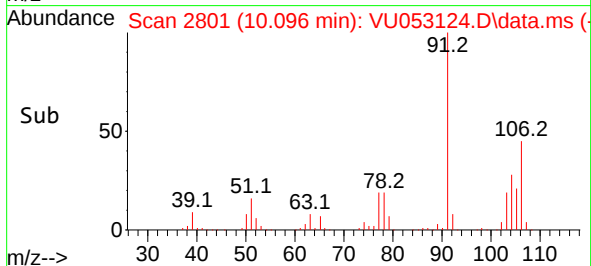
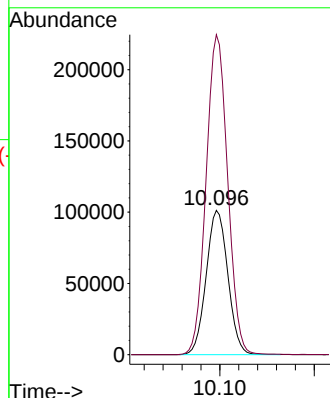
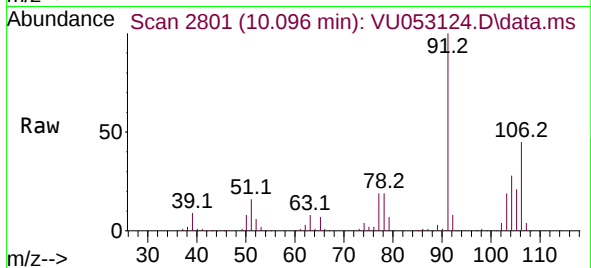
VSTD050157

Tgt Ion:106 Resp: 161425

Ion Ratio Lower Upper

106 100

91 221.6 152.8 283.8



#55

Styrene

Concen: 50.612 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053124.D

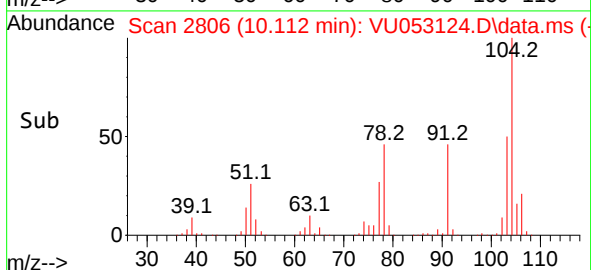
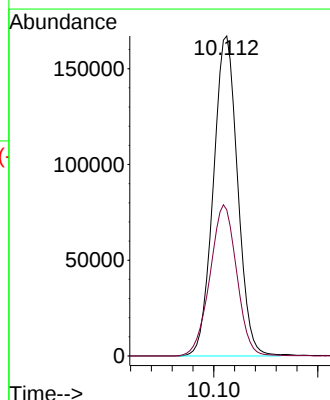
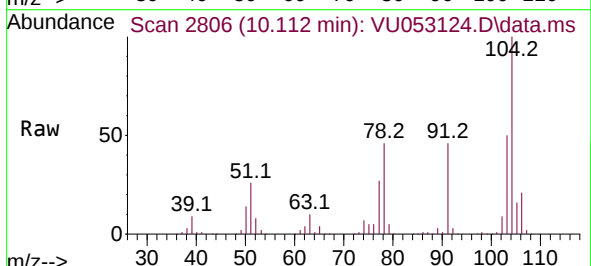
Acq: 17 Feb 2023 12:55

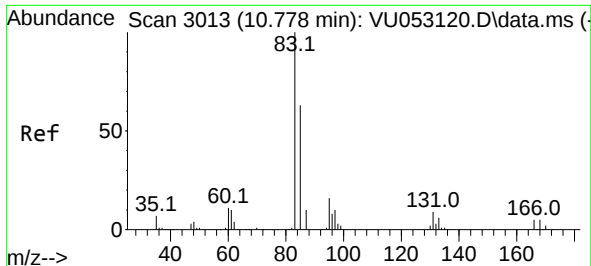
Tgt Ion:104 Resp: 271422

Ion Ratio Lower Upper

104 100

78 45.6 33.6 62.4

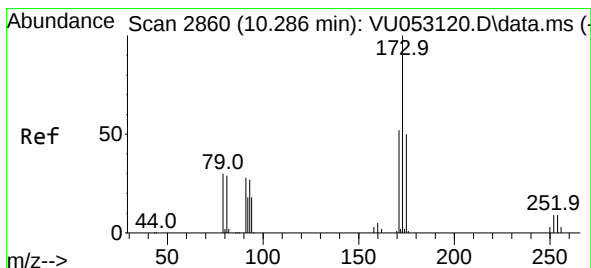
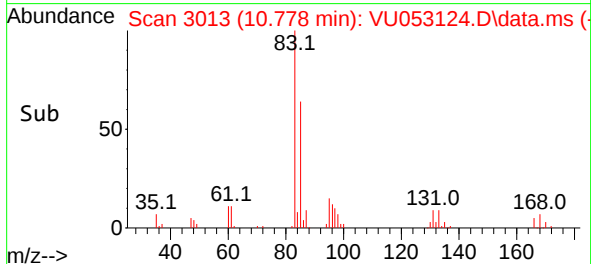
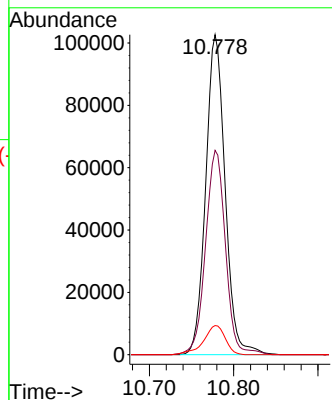
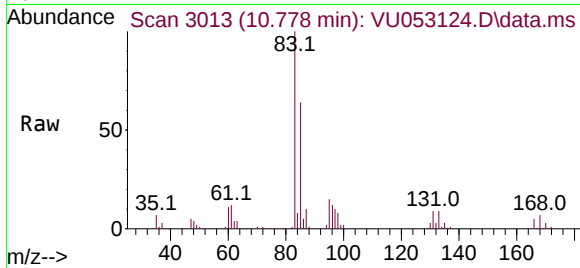




#57
1,1,2,2-Tetrachloroethane
Concen: 55.518 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

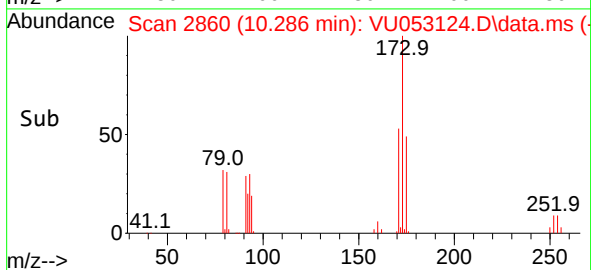
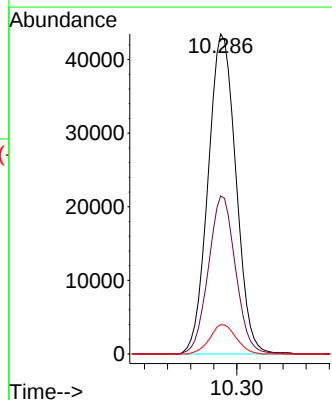
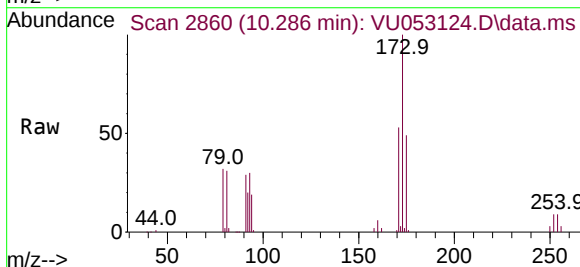
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

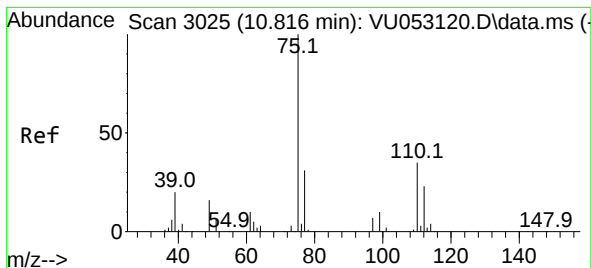
Tgt Ion: 83 Resp: 164645
Ion Ratio Lower Upper
83 100
85 63.9 44.7 82.9
131 9.1 7.2 10.8



#59
Bromoform
Concen: 57.682 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion: 173 Resp: 72679
Ion Ratio Lower Upper
173 100
175 48.2 38.8 58.2
254 8.7 6.4 9.6





#60

1,2,3-Trichloropropane

Concen: 57.196 ug/L

RT: 10.820 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

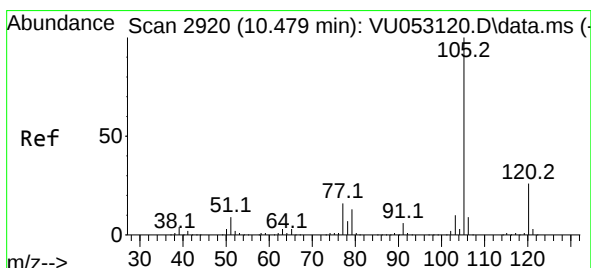
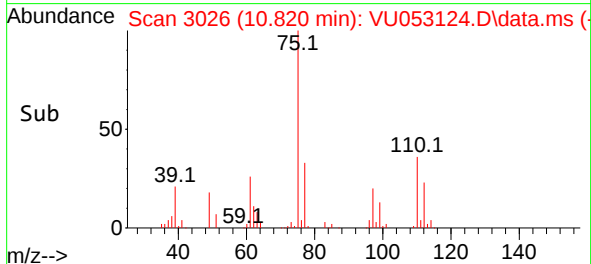
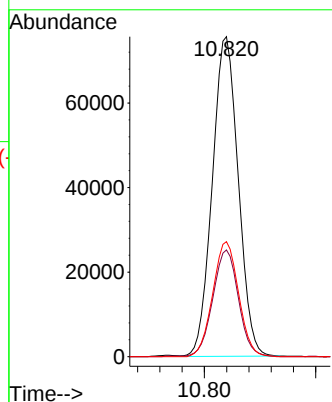
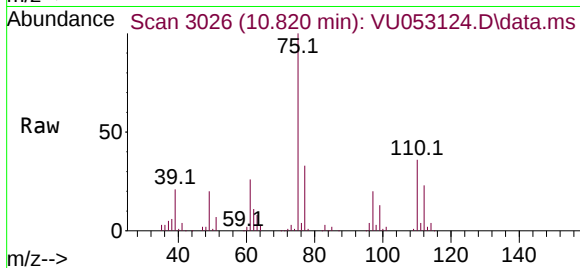
Tgt Ion: 75 Resp: 122196

Ion Ratio Lower Upper

75 100

77 33.1 26.6 39.8

110 35.8 28.6 42.8



#61

Isopropylbenzene

Concen: 50.554 ug/L

RT: 10.482 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

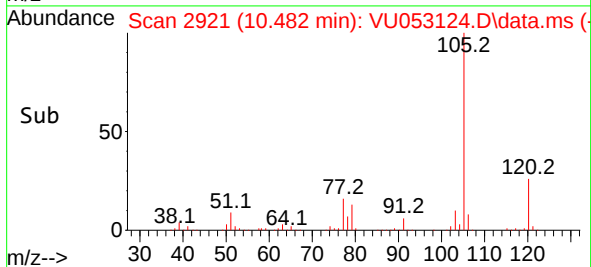
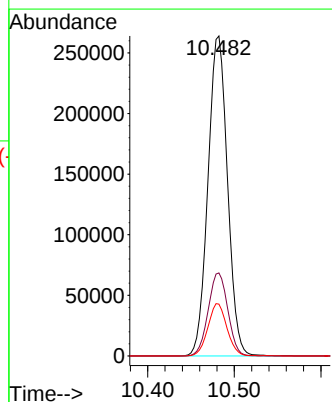
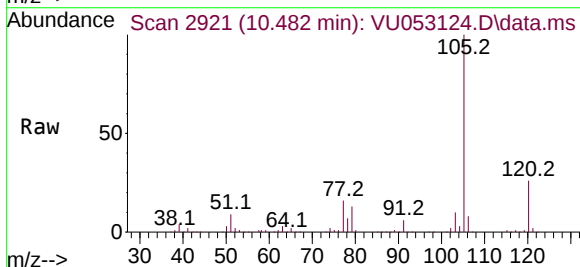
Tgt Ion: 105 Resp: 413130

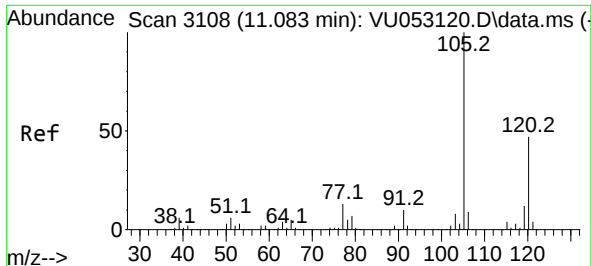
Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

77 16.0 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 49.743 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

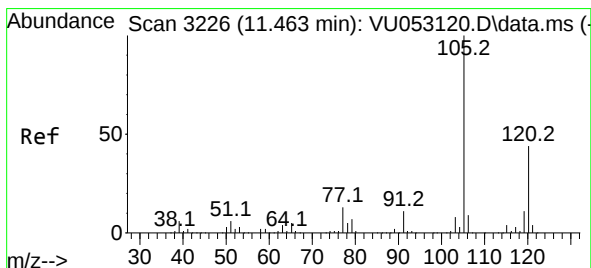
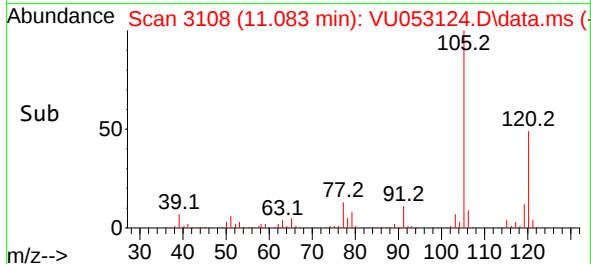
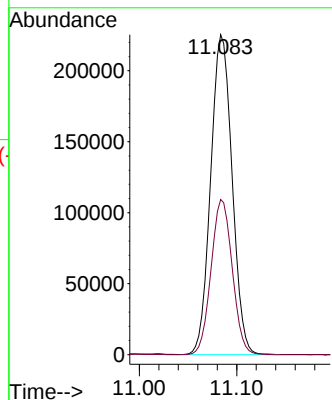
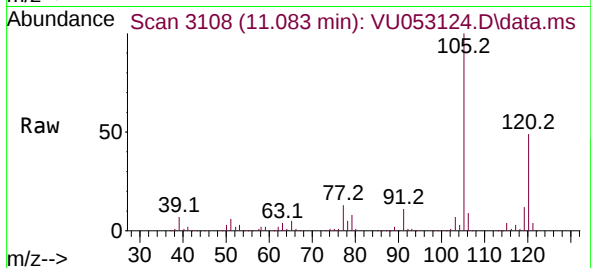
VSTD050157

Tgt Ion:105 Resp: 344184

Ion Ratio Lower Upper

105 100

120 47.9 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 50.242 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053124.D

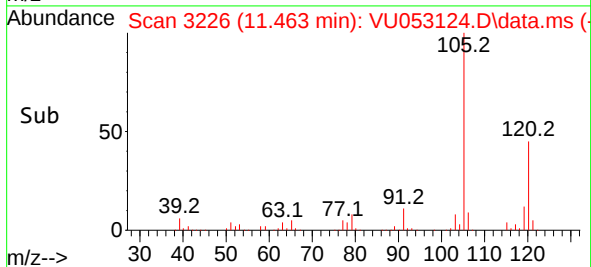
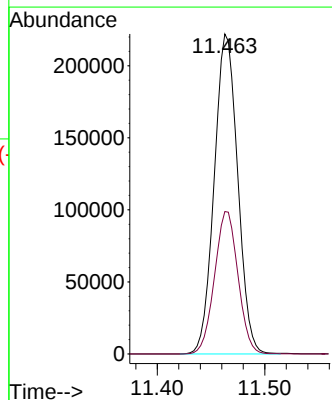
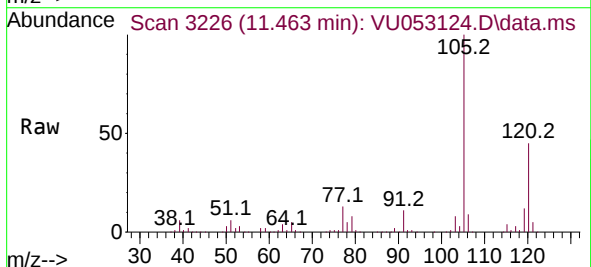
Acq: 17 Feb 2023 12:55

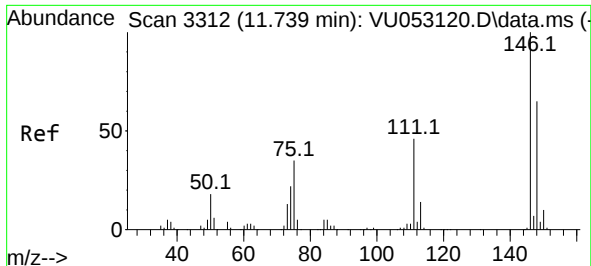
Tgt Ion:105 Resp: 336487

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.2

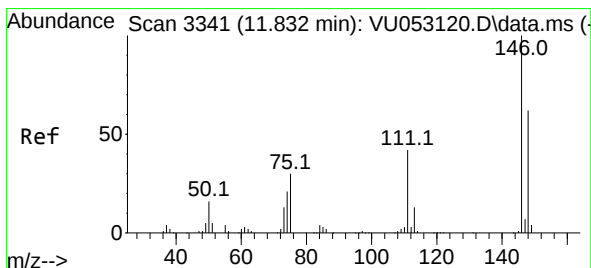
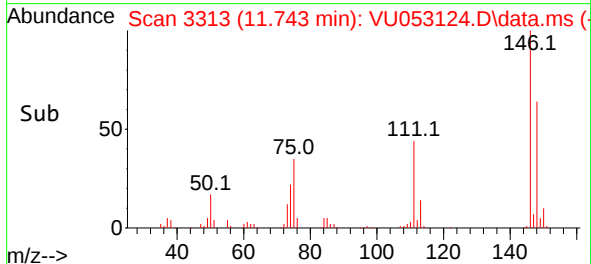
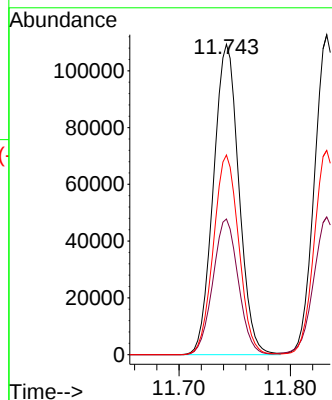
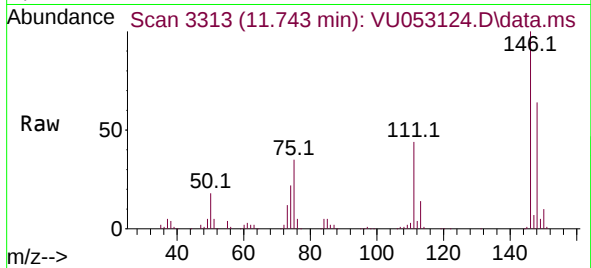




#64
1,3-Dichlorobenzene
Concen: 51.956 ug/L
RT: 11.743 min Scan# 3313
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

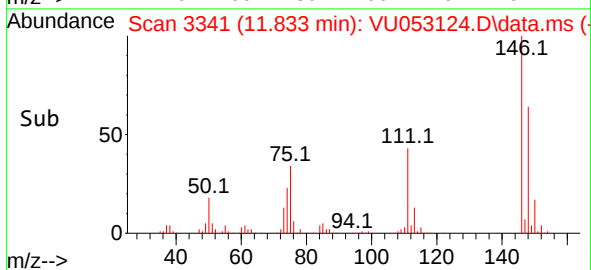
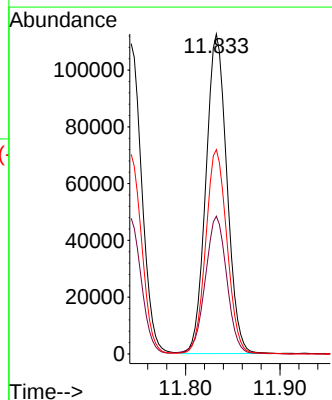
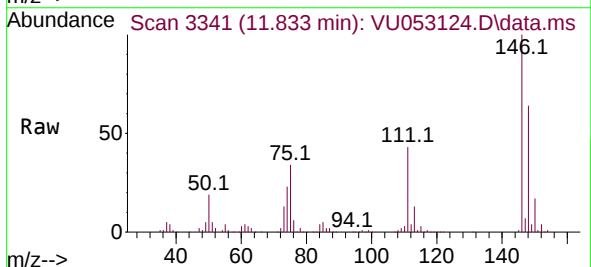
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

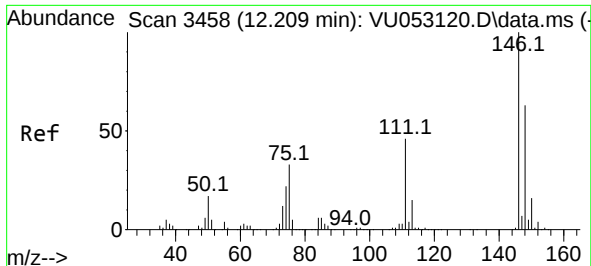
Tgt Ion:146 Resp: 173873
Ion Ratio Lower Upper
146 100
111 43.7 32.1 59.5
148 64.3 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 51.250 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion:146 Resp: 174001
Ion Ratio Lower Upper
146 100
111 43.0 29.9 55.5
148 63.9 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 52.956 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

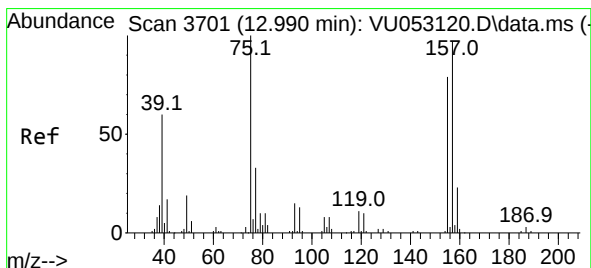
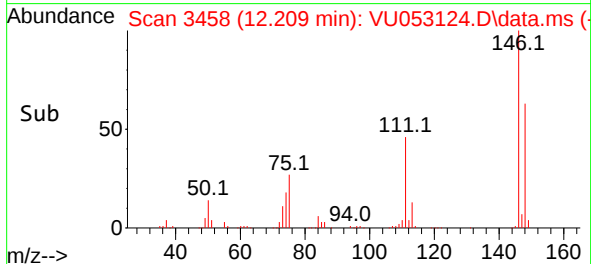
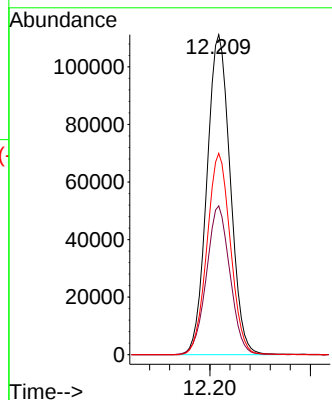
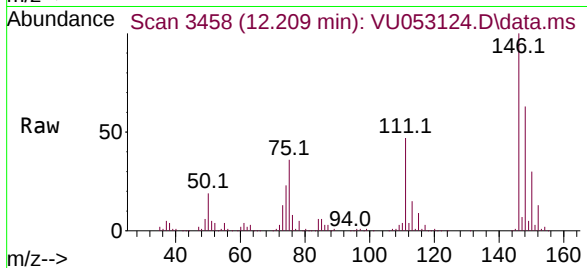
Tgt Ion:146 Resp: 179114

Ion Ratio Lower Upper

146 100

111 46.5 37.8 56.6

148 62.9 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 56.630 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. 0.003 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

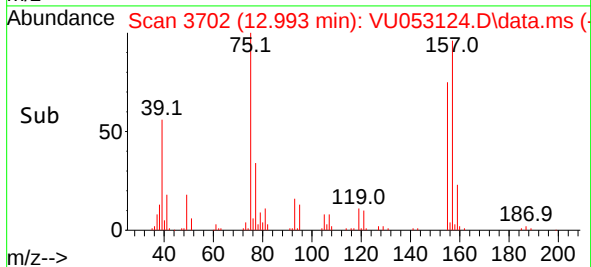
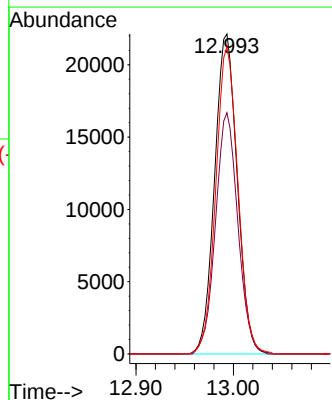
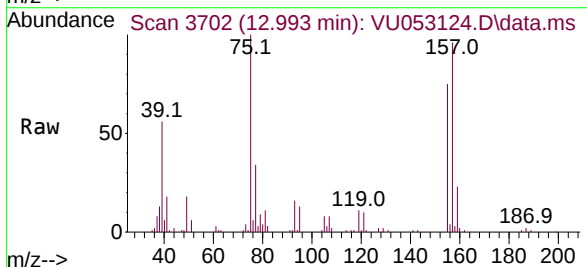
Tgt Ion: 75 Resp: 35665

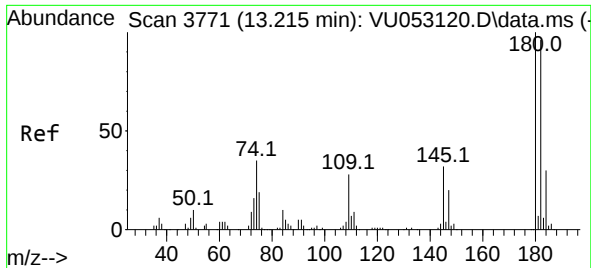
Ion Ratio Lower Upper

75 100

155 75.4 55.8 83.6

157 96.0 70.7 106.1





#69

1,3,5-Trichlorobenzene

Concen: 49.157 ug/L

RT: 13.215 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

Tgt Ion:180 Resp: 111519

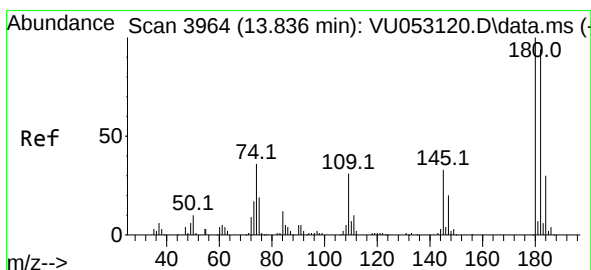
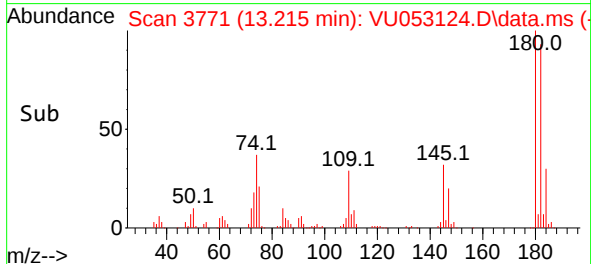
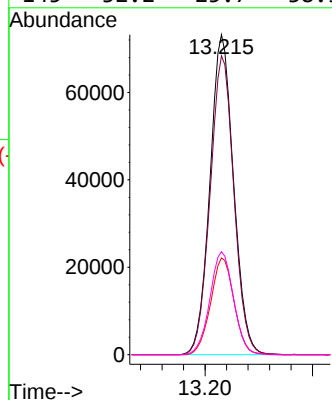
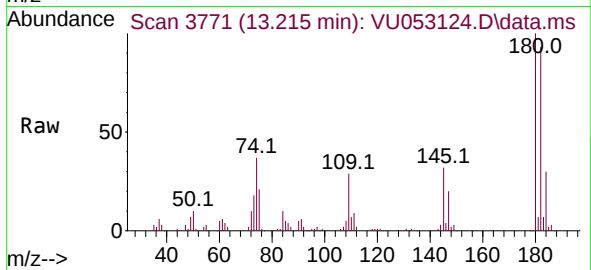
Ion Ratio Lower Upper

180 100

182 93.8 76.9 115.3

184 30.0 23.7 35.5

145 32.2 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 48.671 ug/L

RT: 13.836 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU053124.D

Acq: 17 Feb 2023 12:55

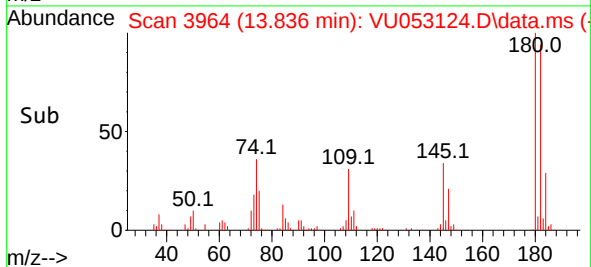
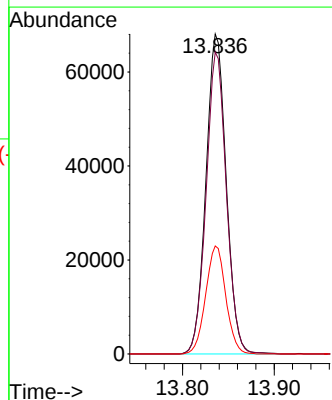
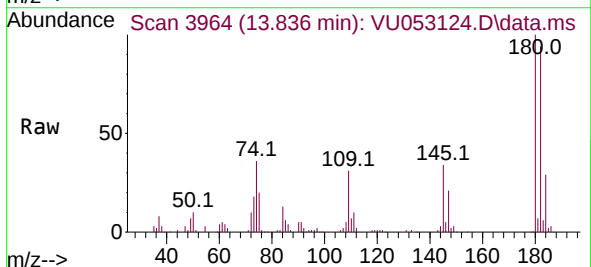
Tgt Ion:180 Resp: 104499

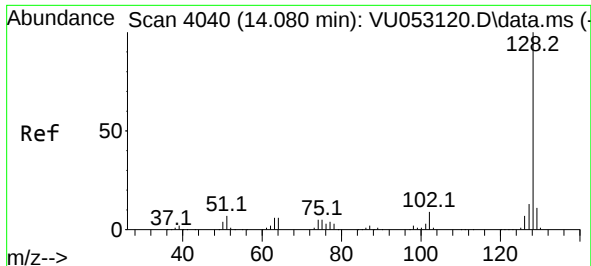
Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 33.5 26.8 40.2

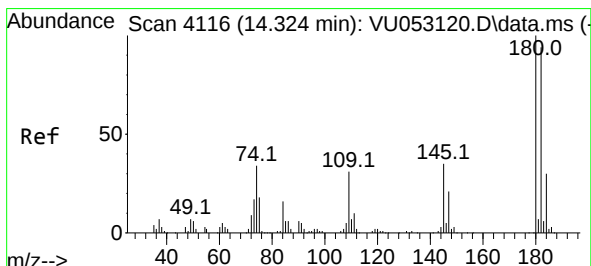
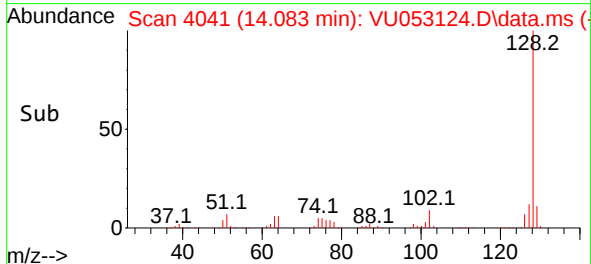
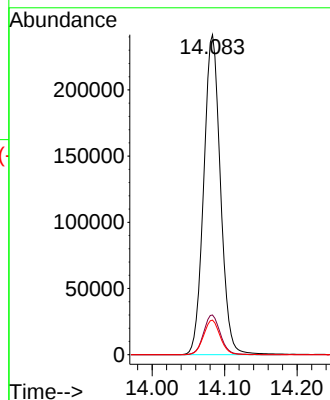
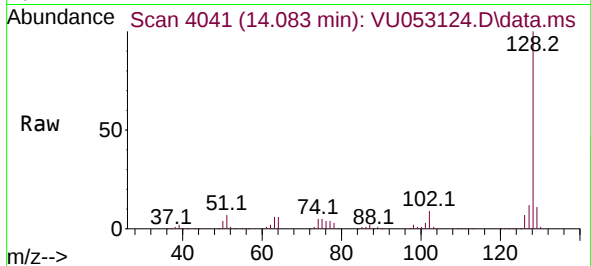




#71
Naphthalene
Concen: 47.031 ug/L
RT: 14.083 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

Tgt Ion:128 Resp: 387693
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 49.103 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053124.D
Acq: 17 Feb 2023 12:55

Tgt Ion:180 Resp: 105859
Ion Ratio Lower Upper
180 100
182 94.6 75.4 113.2
145 36.5 28.2 42.2

