

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022023\
 Data File : VU053140.D
 Acq On : 20 Feb 2023 09:24
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

Quant Time: Feb 20 12:47:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 19 23:26:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	141007	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	126926	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	63053	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	27664	4.095	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.913	69	29376	4.626	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.566	65	12698	4.098	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.649	46	115769	55.958	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.920%
24) Chloroform-d	5.061	84	76710	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.698	65	38909	4.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.723	84	136549	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.688	67	48351	4.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.897	98	119663	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.177	79	18846	4.686	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.633	63	94109	52.709	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.420%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	43536	5.103	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	46536	4.940	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	52062	5.029	ug/L	99
3) Chloromethane	1.518	50	55378	5.134	ug/L	99
5) Vinyl chloride	1.601	62	60769	5.114	ug/L	99
6) Bromomethane	1.858	94	36837	4.984	ug/L	99
8) Chloroethane	1.932	64	35681	5.099	ug/L	96
9) Trichlorofluoromethane	2.138	101	81786	4.996	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	46962	5.211	ug/L	97
12) 1,1-Dichloroethene	2.579	96	43169	5.175	ug/L	98
13) Acetone	2.666	43	59480	40.052	ug/L #	67
14) Carbon disulfide	2.791	76	131866	5.235	ug/L	100
15) Methyl Acetate	2.961	43	17326	4.778	ug/L #	86
16) Methylene chloride	3.042	84	48240	4.999	ug/L	99
17) Methyl tert-butyl Ether	3.360	73	116721	5.153	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	45763	5.185	ug/L	96
19) 1,1-Dichloroethane	3.865	63	88516	5.324	ug/L	97
21) 2-Butanone	4.727	43	115833	52.798	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	52514	5.272	ug/L	97
23) Bromochloromethane	4.971	128	21903	5.552	ug/L	99
25) Chloroform	5.083	83	88773	5.108	ug/L	97

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Instrument :
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 ClientSampleId :
 VSTD005143

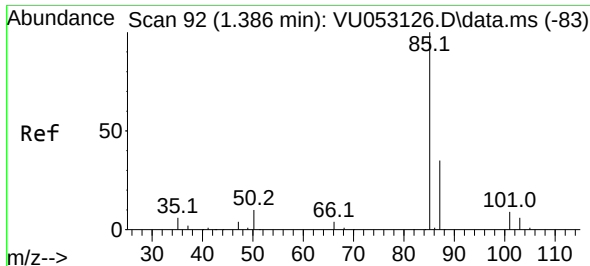
Quant Time: Feb 20 12:47:05 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	54192	5.073	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	79313	5.231	ug/L	98
30) Cyclohexane	5.386	56	81351	5.365	ug/L	97
31) Carbon tetrachloride	5.521	117	67300	5.318	ug/L	100
33) Benzene	5.771	78	195574	5.347	ug/L	100
34) Trichloroethene	6.540	95	52061	5.059	ug/L	95
35) Methylcyclohexane	6.759	83	87124	5.229	ug/L	99
37) 1,2-Dichloropropane	6.788	63	53120	5.334	ug/L	100
38) Bromodichloromethane	7.103	83	66020	5.112	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	84009	5.289	ug/L	97
40) 4-Methyl-2-pentanone	7.791	43	279307	53.724	ug/L	99
42) Toluene	7.968	91	208607	5.251	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	68593	5.235	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	37146	5.177	ug/L	97
47) Tetrachloroethene	8.550	164	36399	5.441	ug/L	99
48) 2-Hexanone	8.685	43	206061	54.003	ug/L	99
49) Dibromochloromethane	8.807	129	42411	5.421	ug/L	94
50) 1,2-Dibromoethane	8.922	107	34894	5.271	ug/L	96
51) Chlorobenzene	9.443	112	130763	5.276	ug/L	96
52) Ethylbenzene	9.569	91	236276	5.240	ug/L	99
53) m,p-Xylene	9.691	106	89105	5.285	ug/L	96
54) o-Xylene	10.096	106	87391	5.347	ug/L	98
55) Styrene	10.112	104	142421	5.372	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	46852	5.160	ug/L	98
59) Bromoform	10.289	173	23512	5.130	ug/L	98
60) Isopropylbenzene	10.482	105	239426	5.248	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	31031	5.125	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	198125	5.143	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	201584	5.228	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	98358	5.324	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	97483	5.266	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	91443	5.309	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	7632	5.363	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	68727	5.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	55609	5.090	ug/L	96
71) Naphthalene	14.083	128	108669	4.960	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	49636	5.148	ug/L	99

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

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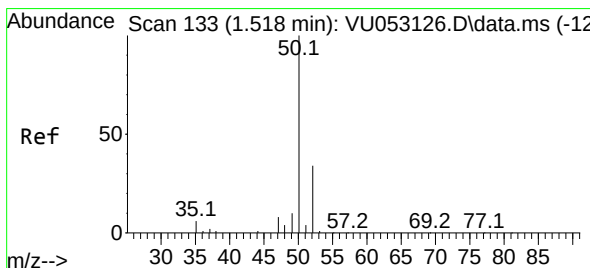
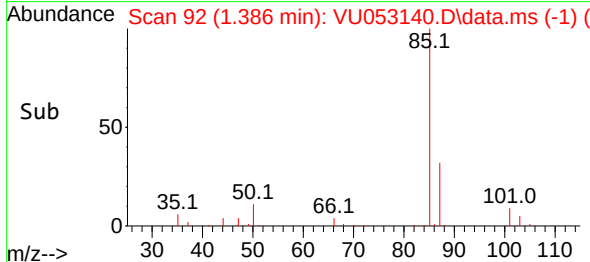
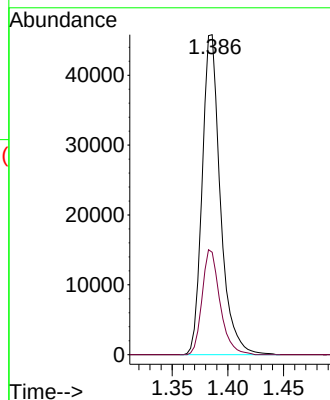
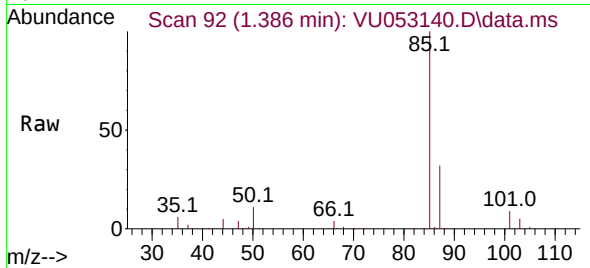




#2
 Dichlorodifluoromethane
 Concen: 5.029 ug/L
 RT: 1.386 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

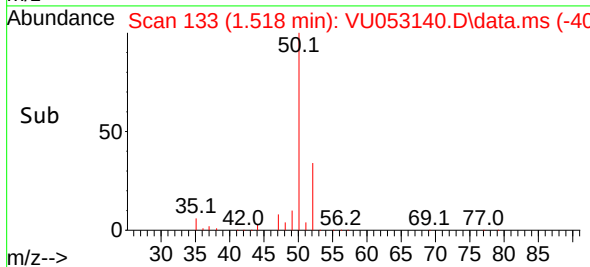
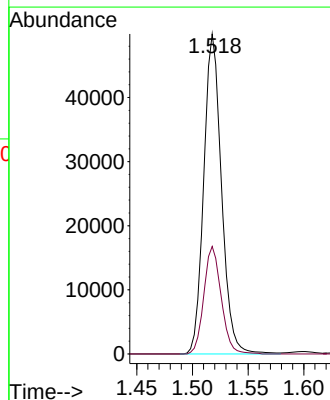
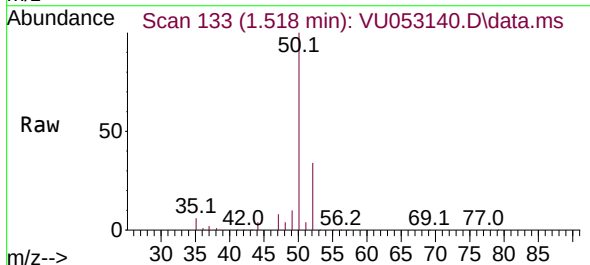
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

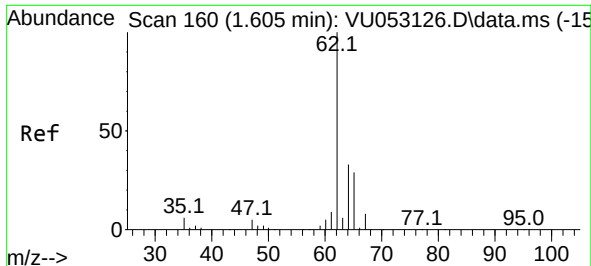
Tgt Ion: 85 Resp: 52062
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.5 38.3



#3
 Chloromethane
 Concen: 5.134 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

Tgt Ion: 50 Resp: 55378
 Ion Ratio Lower Upper
 50 100
 52 33.6 24.1 44.7

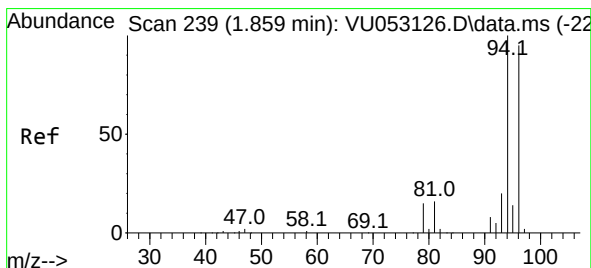
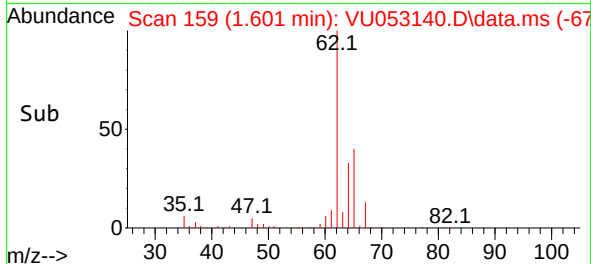
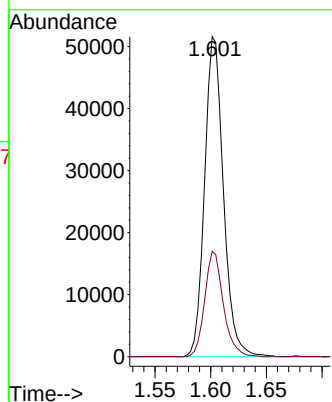
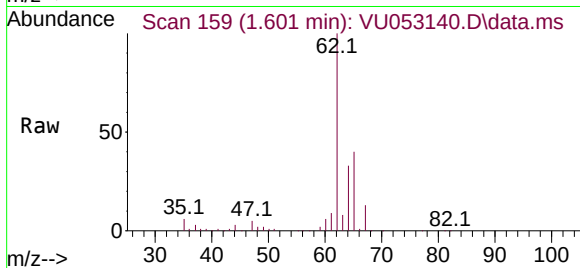




#5
 Vinyl chloride
 Concen: 5.114 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

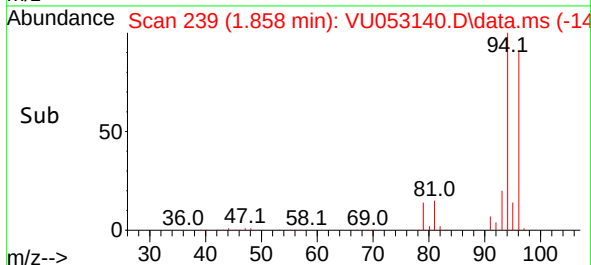
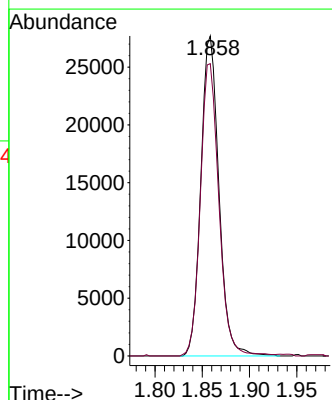
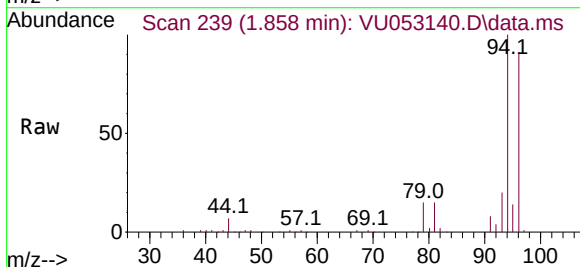
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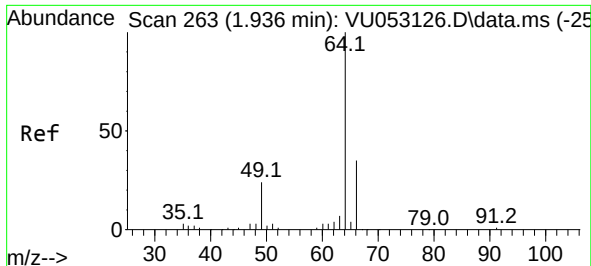
Tgt Ion: 62 Resp: 60769
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.5 41.9



#6
 Bromomethane
 Concen: 4.984 ug/L
 RT: 1.858 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

Tgt Ion: 94 Resp: 36837
 Ion Ratio Lower Upper
 94 100
 96 91.4 64.8 120.3





#8

Chloroethane

Concen: 5.099 ug/L

RT: 1.932 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

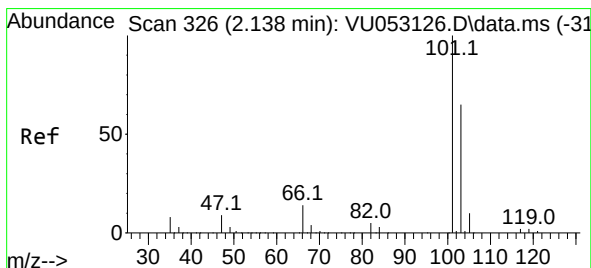
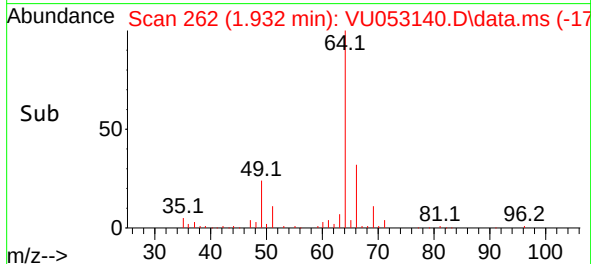
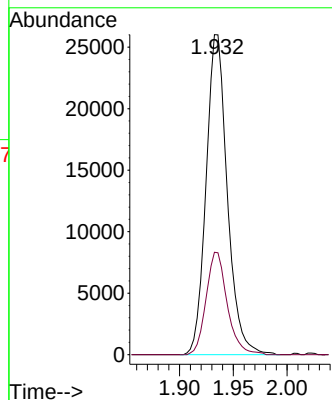
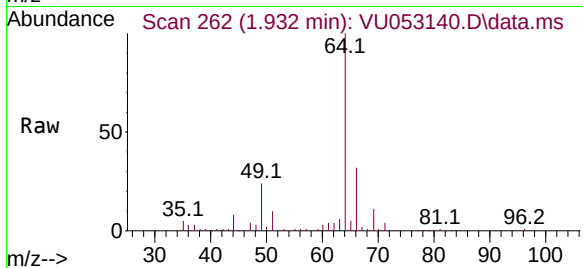
VSTD005143

Tgt Ion: 64 Resp: 35681

Ion Ratio Lower Upper

64 100

66 32.0 23.9 44.3



#9

Trichlorofluoromethane

Concen: 4.996 ug/L

RT: 2.138 min Scan# 326

Delta R.T. -0.000 min

Lab File: VU053140.D

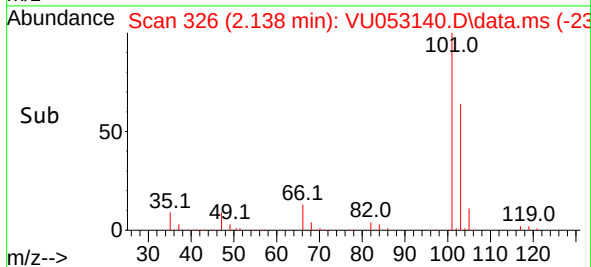
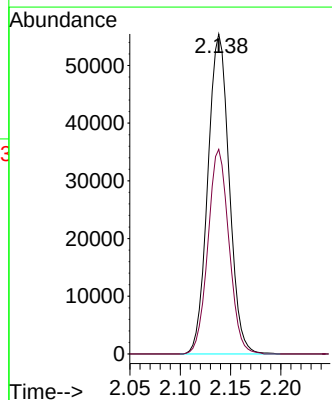
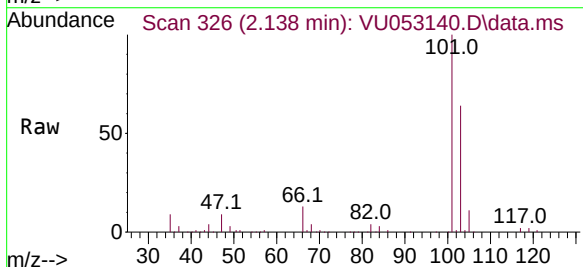
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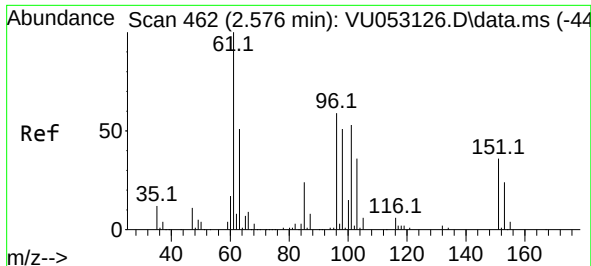
Tgt Ion:101 Resp: 81786

Ion Ratio Lower Upper

101 100

103 63.0 52.6 78.8

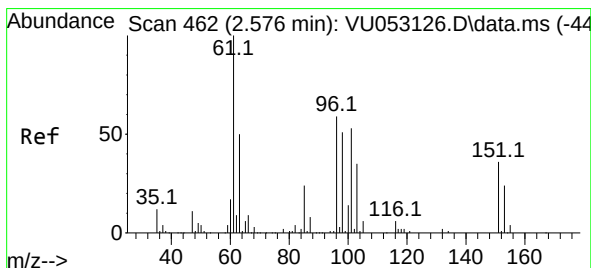
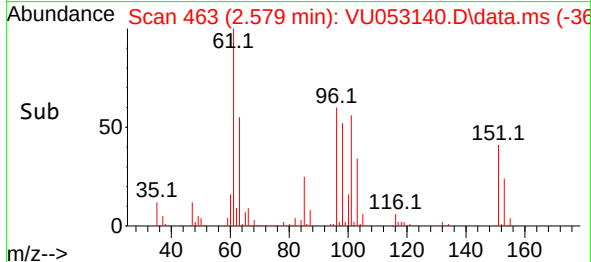
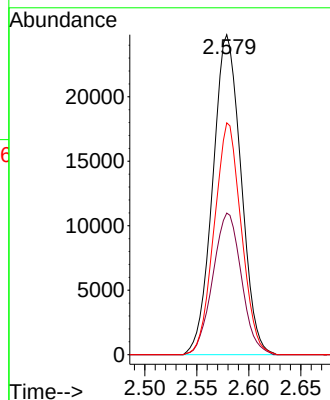
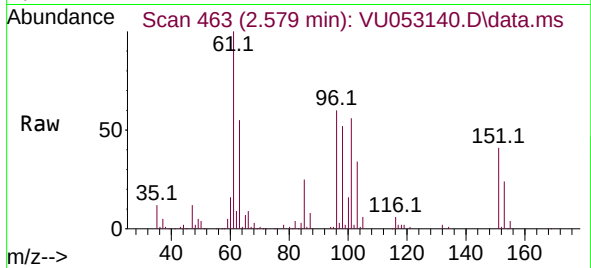




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.211 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

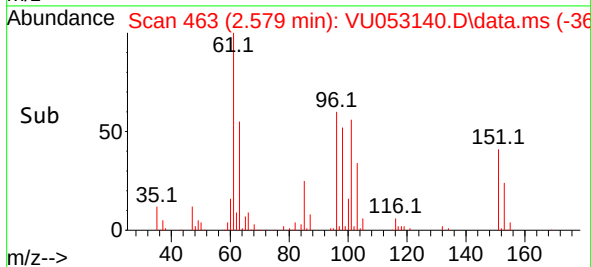
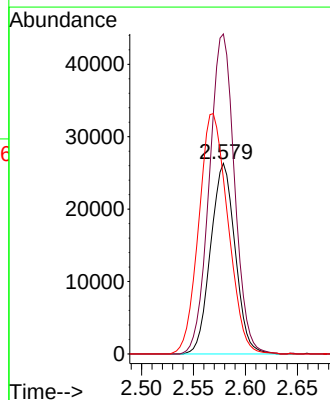
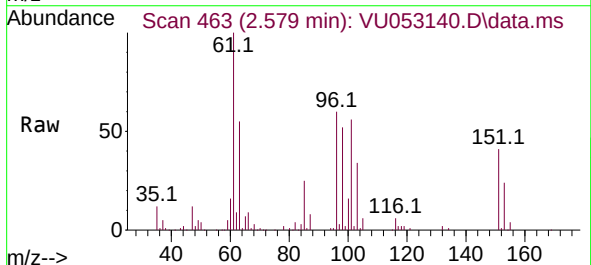
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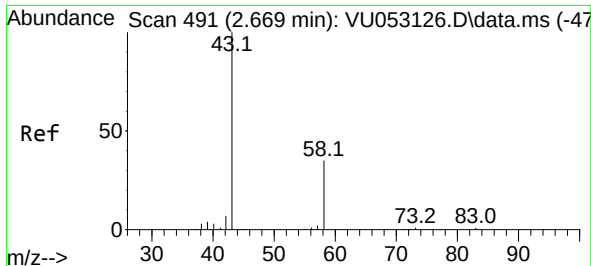
Tgt Ion:101 Resp: 46962
Ion Ratio Lower Upper
101 100
85 44.7 36.8 55.2
151 69.6 53.8 80.8



#12
1,1-Dichloroethene
Concen: 5.175 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion: 96 Resp: 43169
Ion Ratio Lower Upper
96 100
61 168.0 115.1 213.7
63 92.0 63.6 118.0





#13

Acetone

Concen: 40.052 ug/L

RT: 2.666 min Scan# 491

Delta R.T. -0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

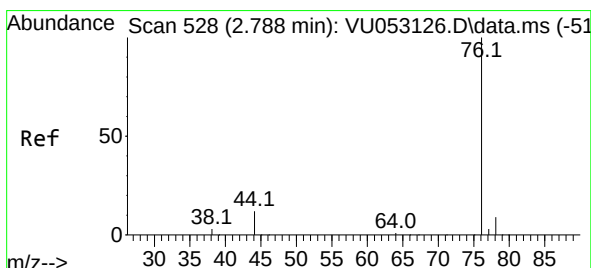
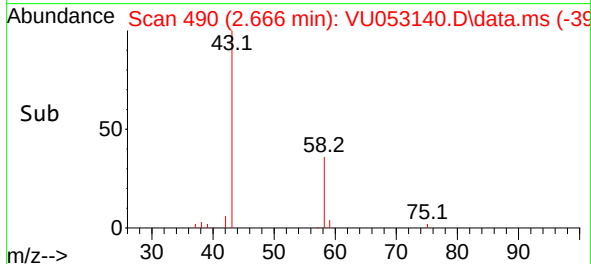
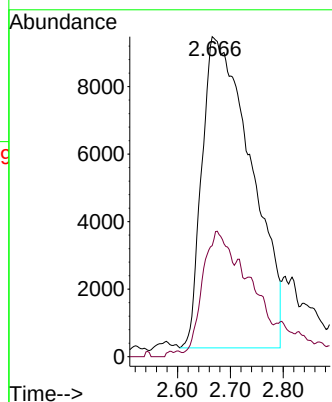
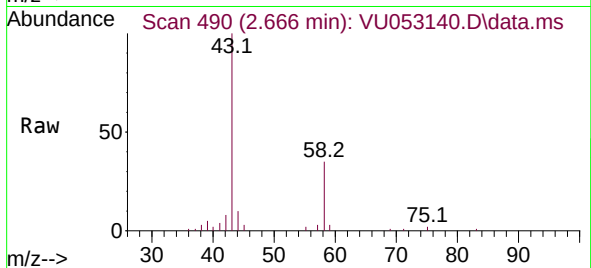
VSTD005143

Tgt Ion: 43 Resp: 59480

Ion Ratio Lower Upper

43 100

58 21.8 0.0 19.6#



#14

Carbon disulfide

Concen: 5.235 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU053140.D

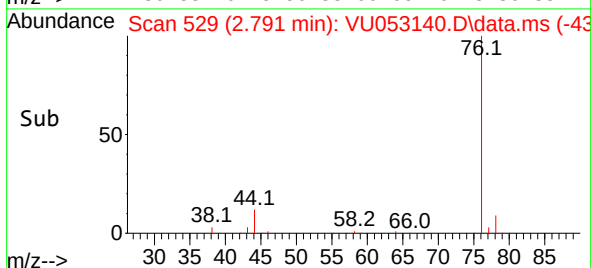
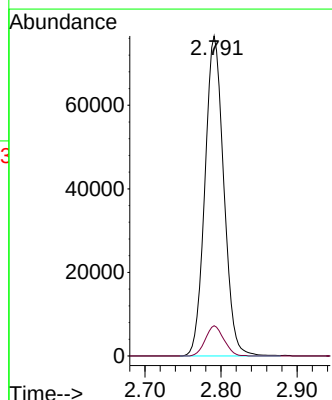
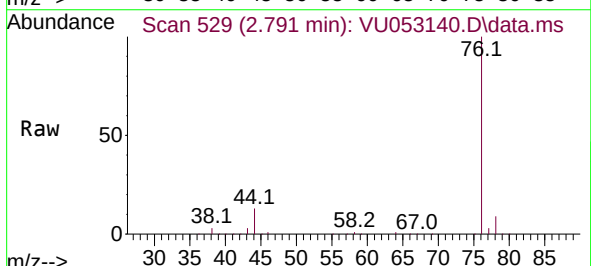
Acq: 20 Feb 2023 09:24

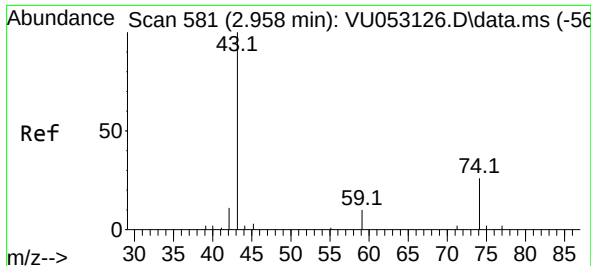
Tgt Ion: 76 Resp: 131866

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

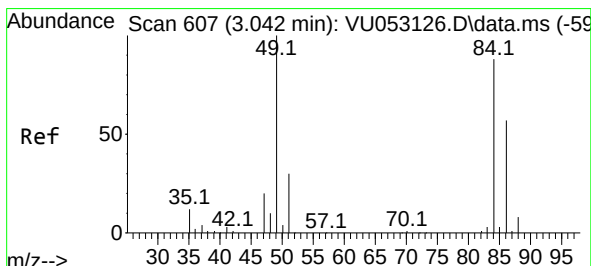
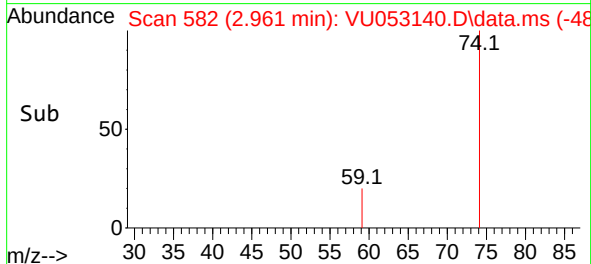
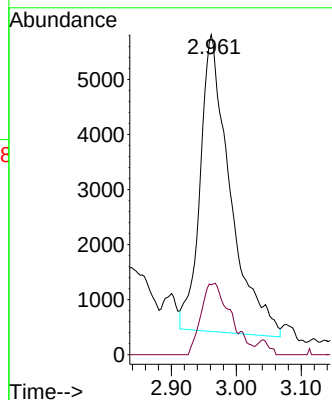
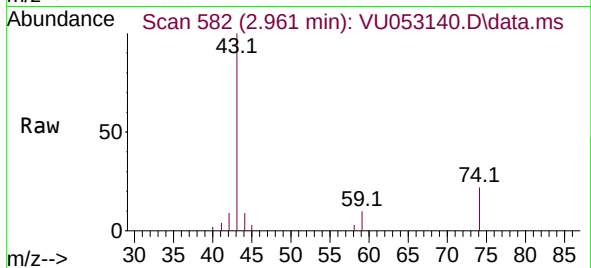




#15
Methyl Acetate
Concen: 4.778 ug/L
RT: 2.961 min Scan# 582
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

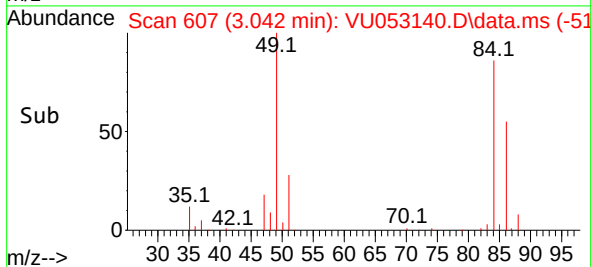
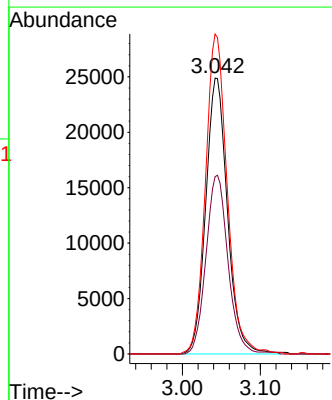
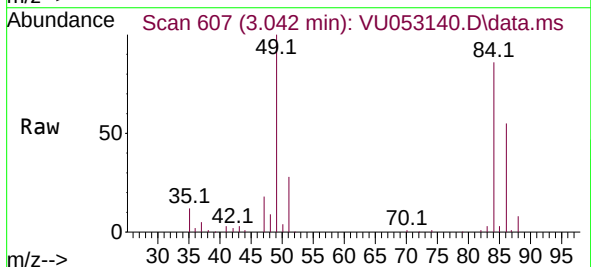
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

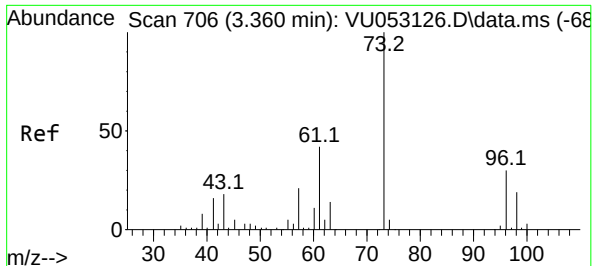
Tgt Ion: 43 Resp: 17326
Ion Ratio Lower Upper
43 100
74 24.0 14.3 21.5#



#16
Methylene chloride
Concen: 4.999 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion: 84 Resp: 48240
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.3
49 116.0 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 5.153 ug/L

RT: 3.360 min Scan# 706

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

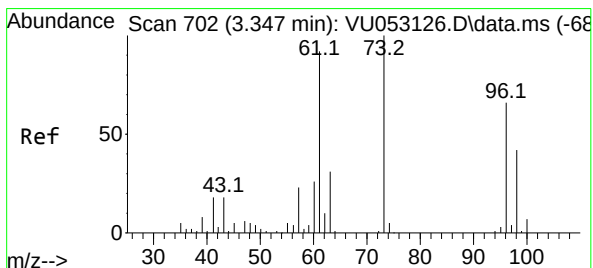
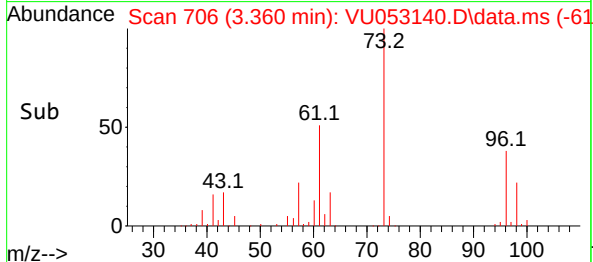
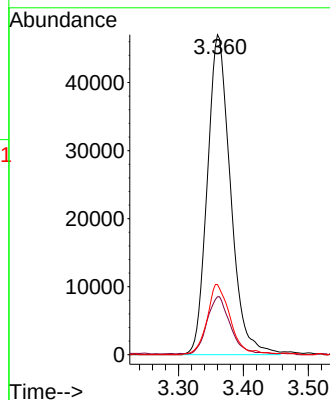
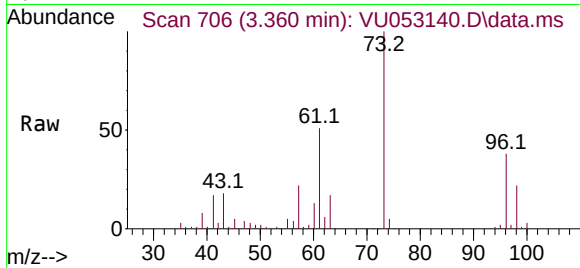
Tgt Ion: 73 Resp: 116721

Ion Ratio Lower Upper

73 100

43 17.5 14.6 21.8

57 21.3 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.185 ug/L

RT: 3.350 min Scan# 703

Delta R.T. 0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

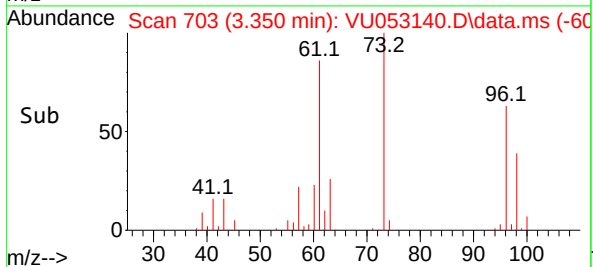
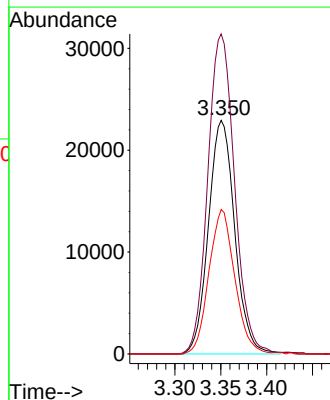
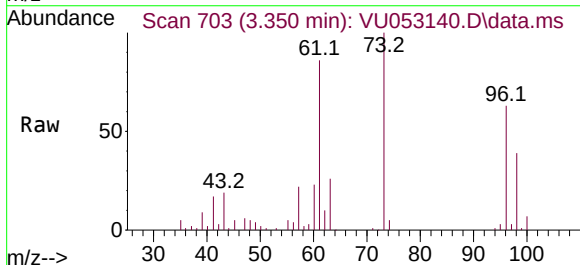
Tgt Ion: 96 Resp: 45763

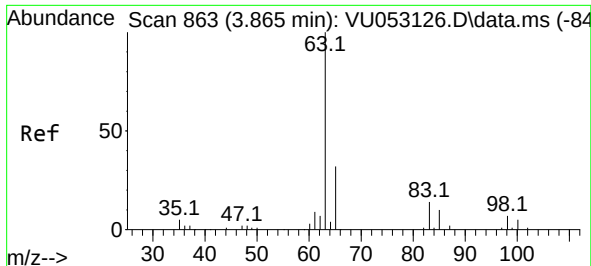
Ion Ratio Lower Upper

96 100

61 137.0 99.5 184.9

98 61.8 44.8 83.2





#19

1,1-Dichloroethane

Concen: 5.324 ug/L

RT: 3.865 min Scan# 863

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

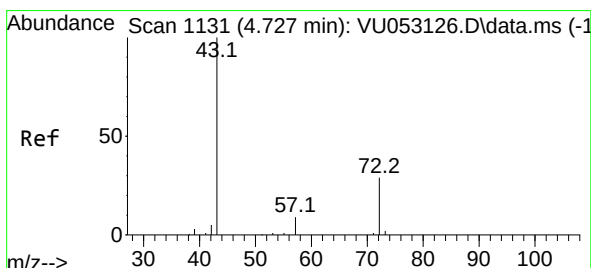
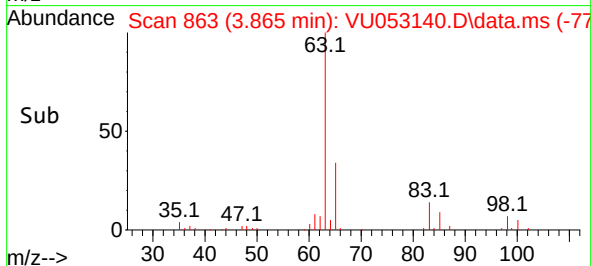
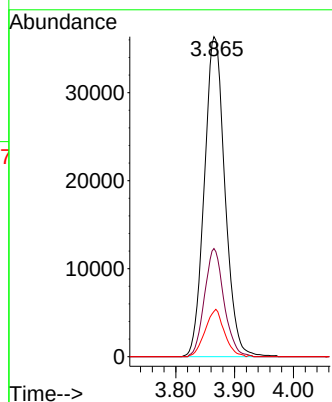
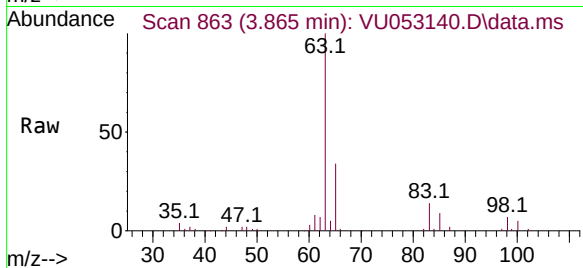
Tgt Ion: 63 Resp: 88516

Ion Ratio Lower Upper

63 100

65 33.8 22.3 41.3

83 14.2 9.8 18.2



#21

2-Butanone

Concen: 52.798 ug/L

RT: 4.727 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU053140.D

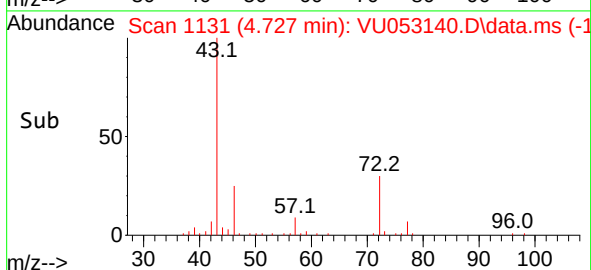
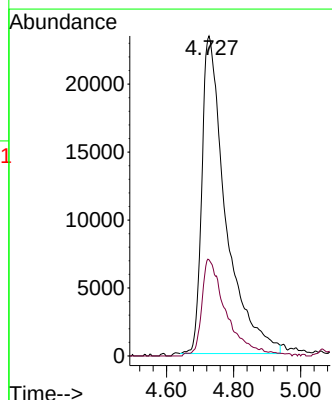
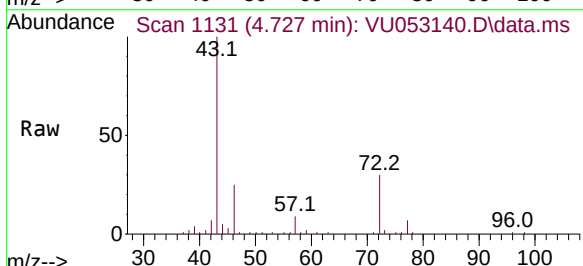
Acq: 20 Feb 2023 09:24

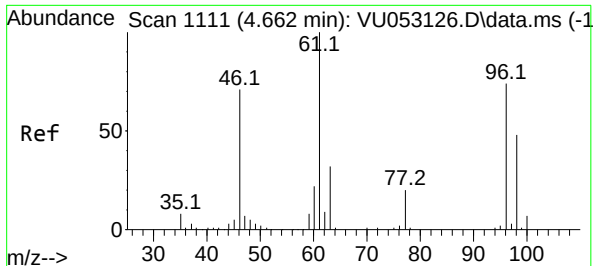
Tgt Ion: 43 Resp: 115833

Ion Ratio Lower Upper

43 100

72 28.6 14.5 43.5

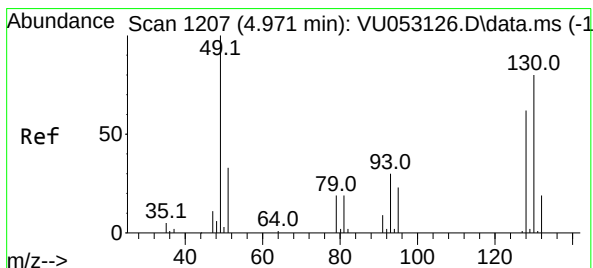
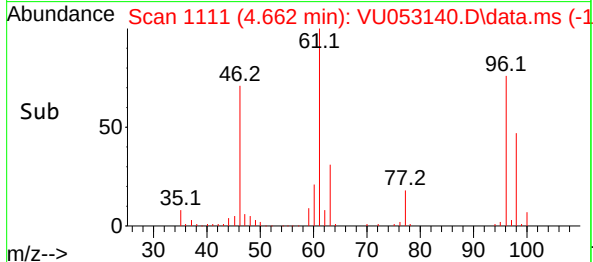
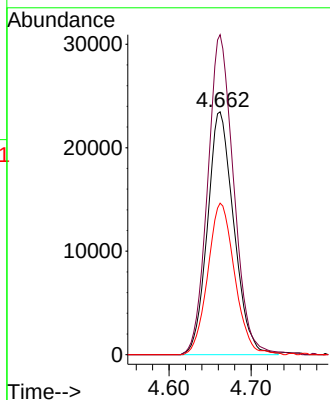
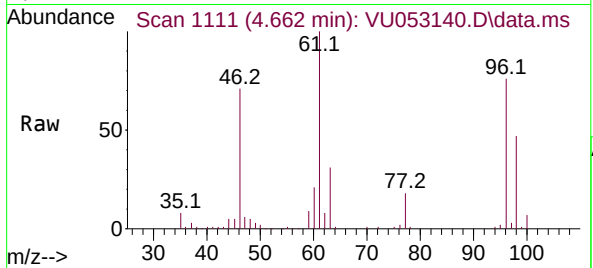




#22
 cis-1,2-Dichloroethene
 Concen: 5.272 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

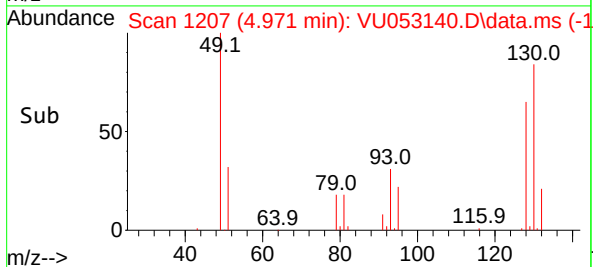
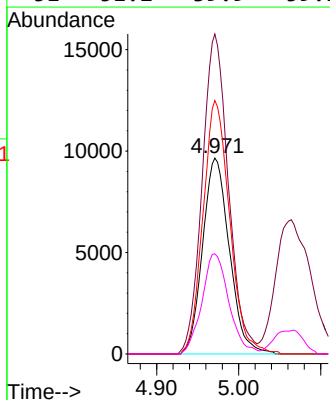
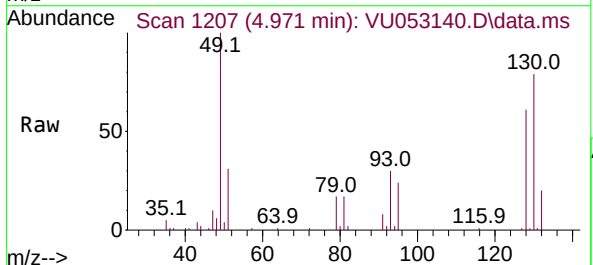
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

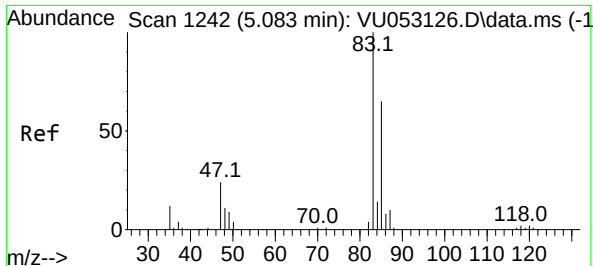
Tgt Ion: 96 Resp: 52514
 Ion Ratio Lower Upper
 96 100
 61 131.7 90.9 168.9
 98 62.4 47.0 87.4



#23
 Bromochloromethane
 Concen: 5.552 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

Tgt Ion: 128 Resp: 21903
 Ion Ratio Lower Upper
 128 100
 49 163.4 114.2 212.0
 130 129.4 91.6 170.2
 51 51.2 39.9 59.9





#25

Chloroform

Concen: 5.108 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

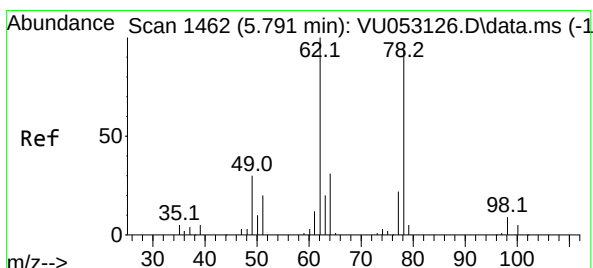
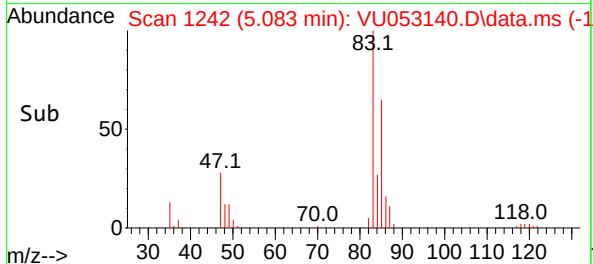
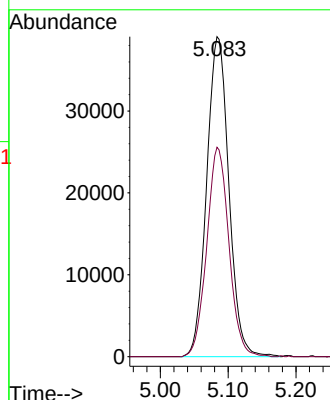
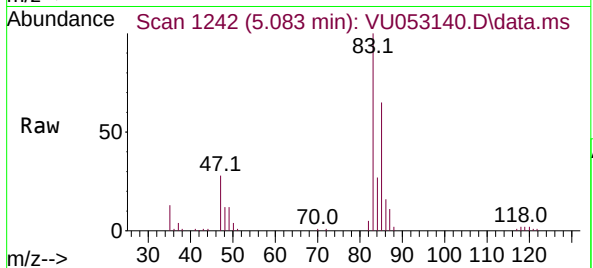
VSTD005143

Tgt Ion: 83 Resp: 88773

Ion Ratio Lower Upper

83 100

85 65.5 47.7 88.5



#27

1,2-Dichloroethane

Concen: 5.073 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. -0.000 min

Lab File: VU053140.D

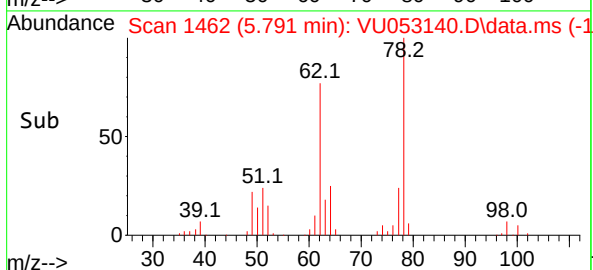
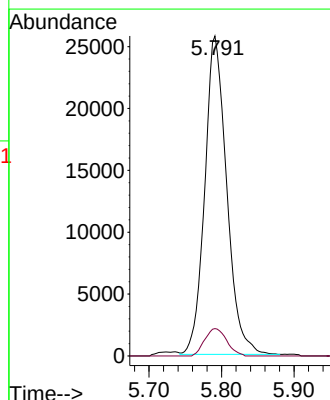
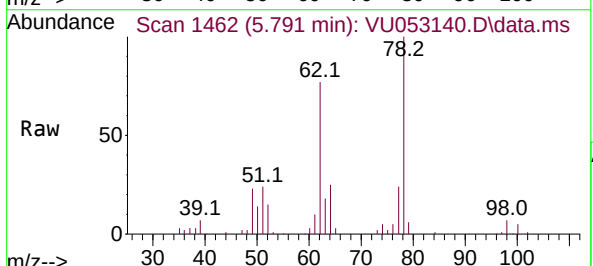
Acq: 20 Feb 2023 09:24

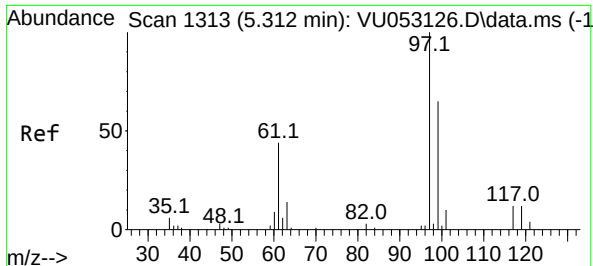
Tgt Ion: 62 Resp: 54192

Ion Ratio Lower Upper

62 100

98 8.5 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.231 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

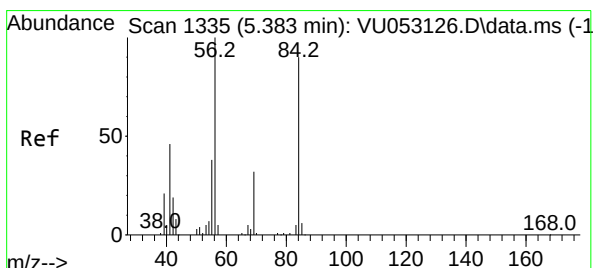
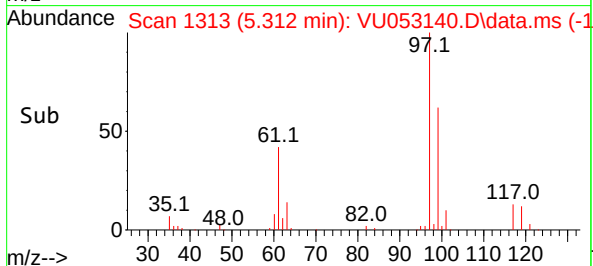
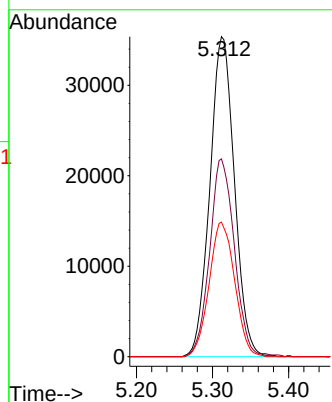
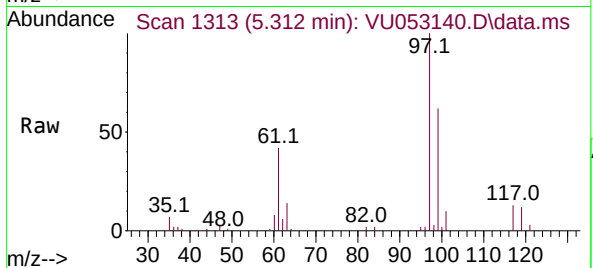
Tgt Ion: 97 Resp: 79313

Ion Ratio Lower Upper

97 100

99 62.3 51.0 76.6

61 43.7 34.2 51.4



#30

Cyclohexane

Concen: 5.365 ug/L

RT: 5.386 min Scan# 1336

Delta R.T. 0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

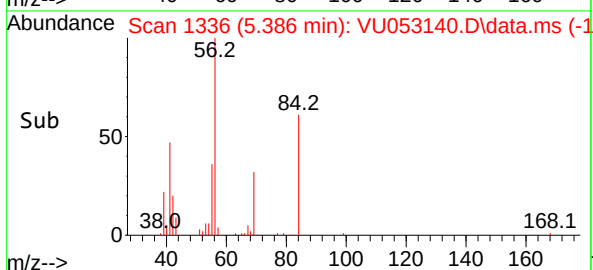
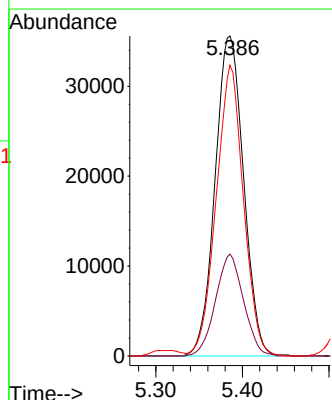
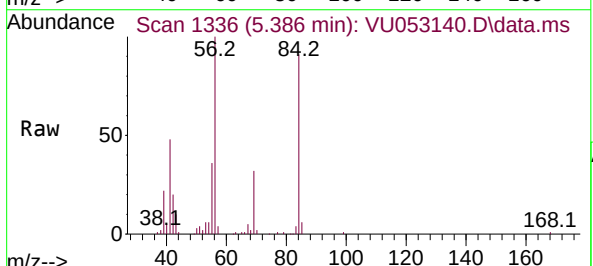
Tgt Ion: 56 Resp: 81351

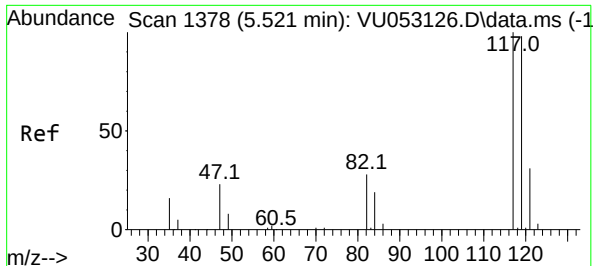
Ion Ratio Lower Upper

56 100

69 31.2 27.0 40.6

84 86.8 70.8 106.2

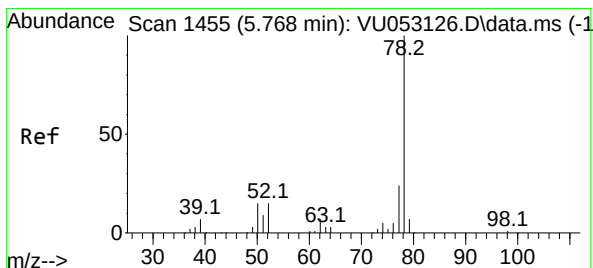
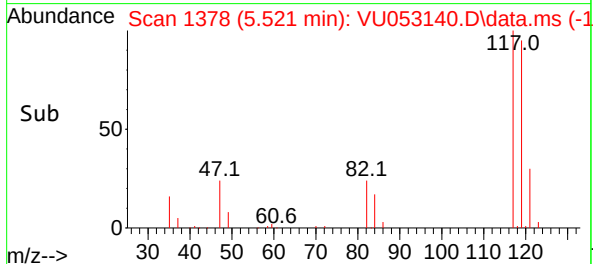
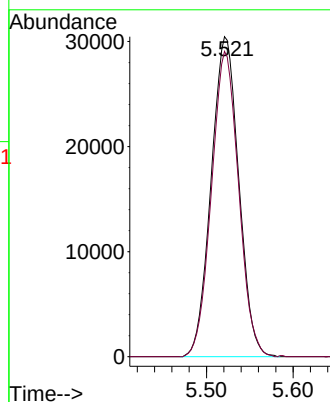
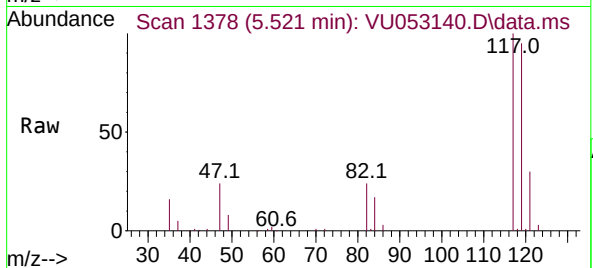




#31
Carbon tetrachloride
Concen: 5.318 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

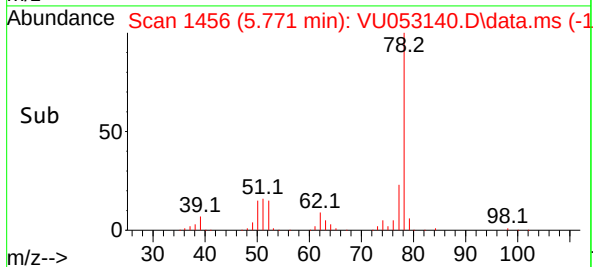
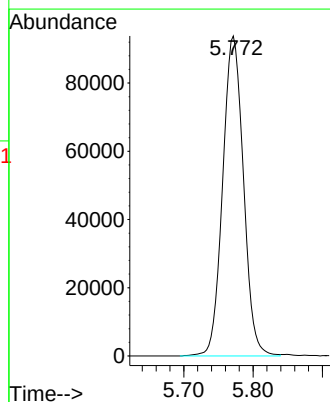
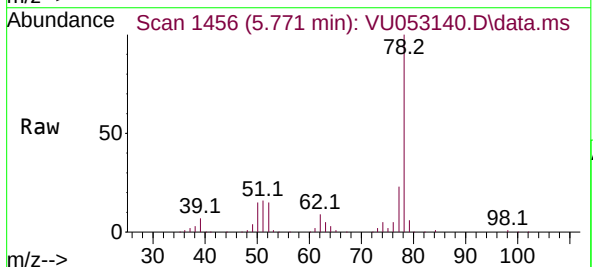
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

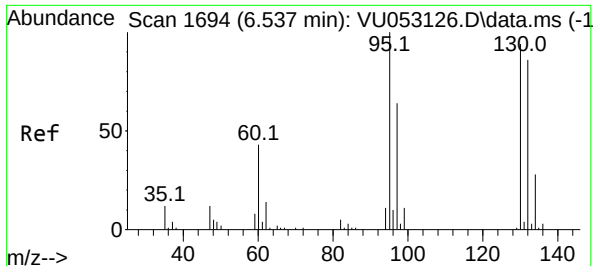
Tgt Ion:117 Resp: 67300
Ion Ratio Lower Upper
117 100
119 93.9 75.4 113.0



#33
Benzene
Concen: 5.347 ug/L
RT: 5.771 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion: 78 Resp: 195574



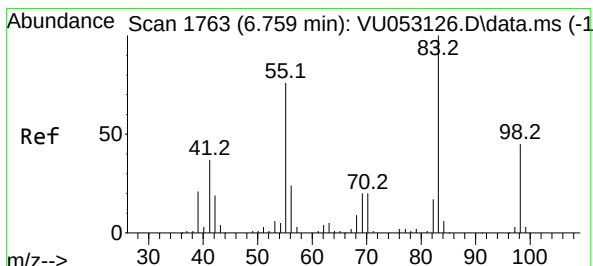
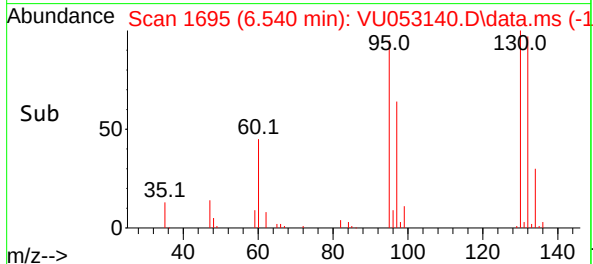
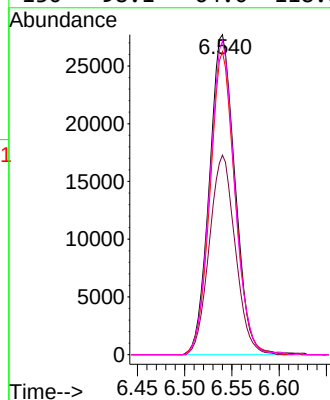
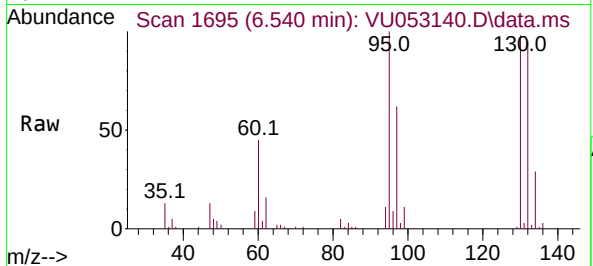


#34
Trichloroethene
Concen: 5.059 ug/L
RT: 6.540 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

Tgt Ion: 95 Resp: 52061

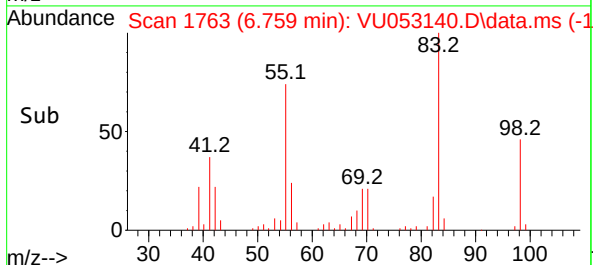
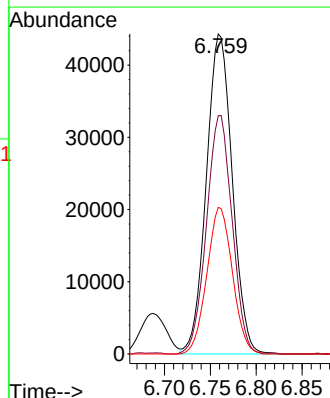
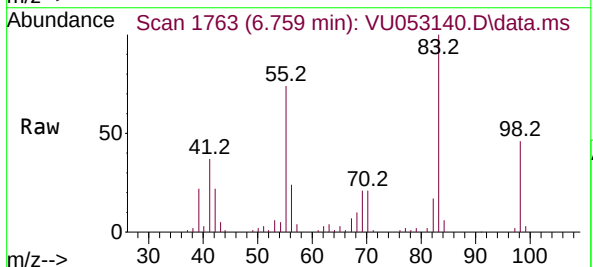
Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.7	82.9
132	94.7	62.3	115.7
130	98.1	64.0	118.8

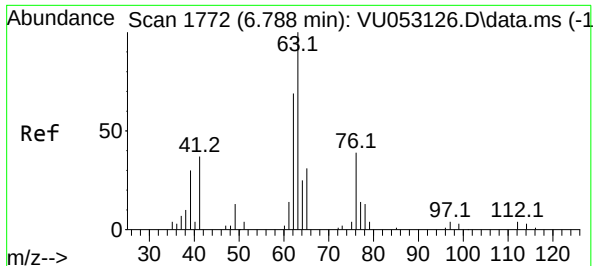


#35
Methylcyclohexane
Concen: 5.229 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion: 83 Resp: 87124

Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.9	86.9
98	45.2	36.4	54.6





#37

1,2-Dichloropropane

Concen: 5.334 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

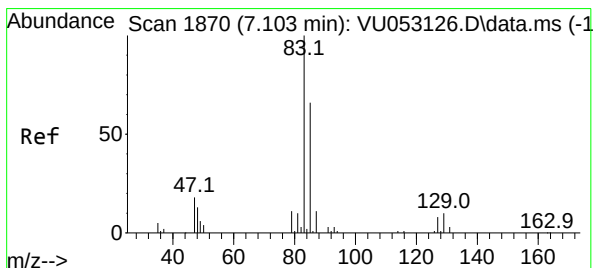
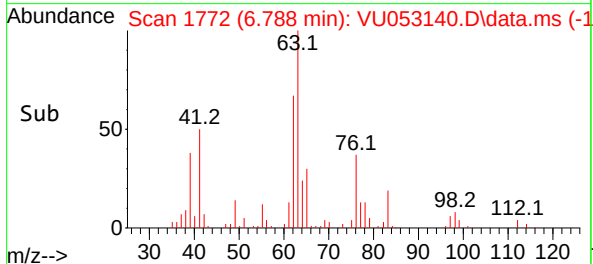
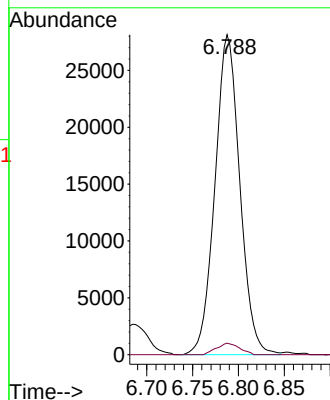
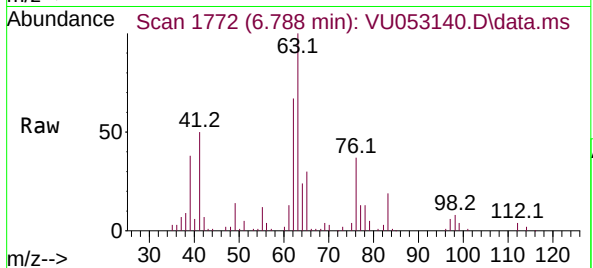
VSTD005143

Tgt Ion: 63 Resp: 53120

Ion Ratio Lower Upper

63 100

112 3.3 2.7 4.1



#38

Bromodichloromethane

Concen: 5.112 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

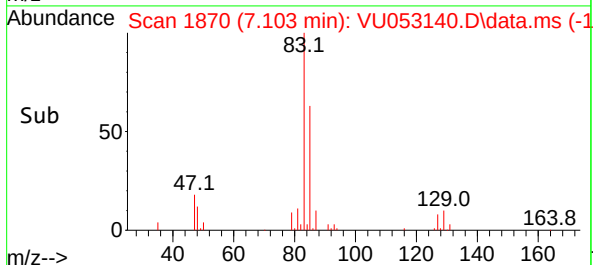
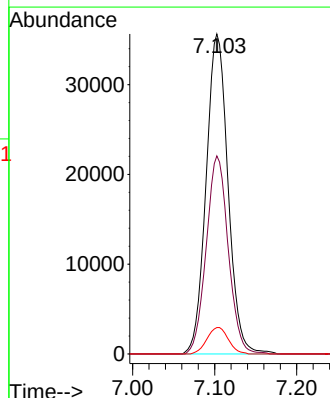
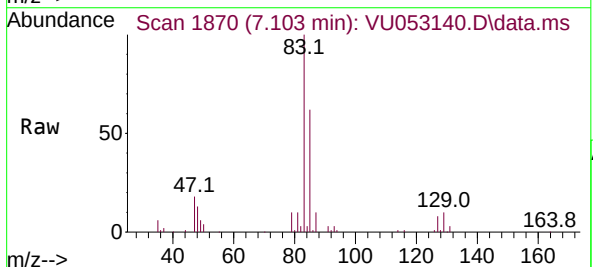
Tgt Ion: 83 Resp: 66020

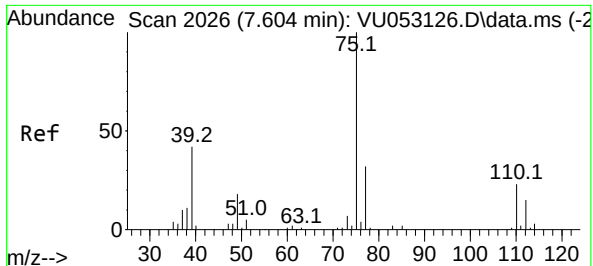
Ion Ratio Lower Upper

83 100

85 61.9 44.7 82.9

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.289 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

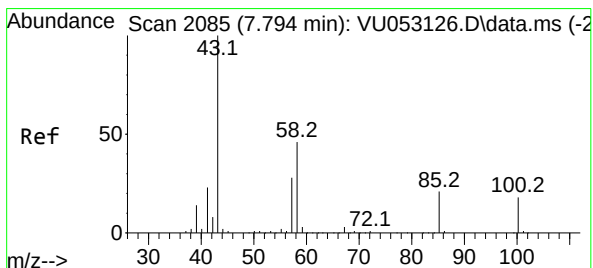
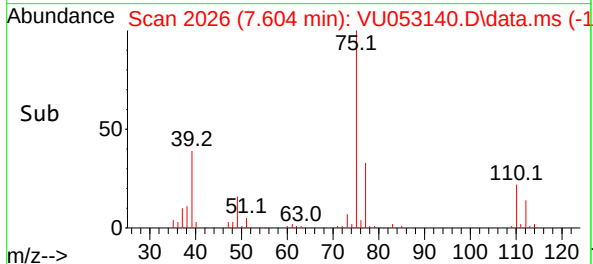
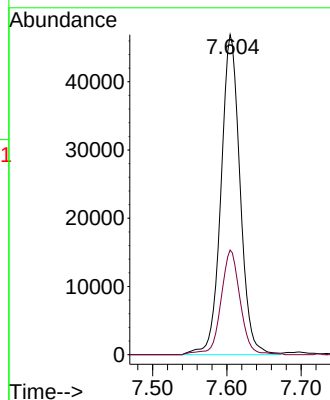
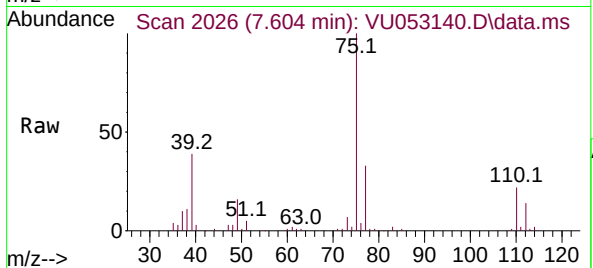
VSTD005143

Tgt Ion: 75 Resp: 84009

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 53.724 ug/L

RT: 7.791 min Scan# 2084

Delta R.T. -0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

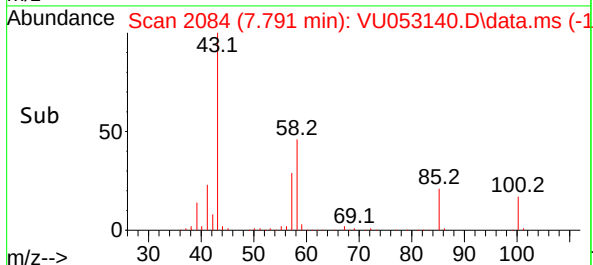
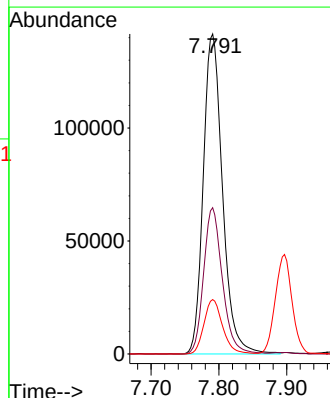
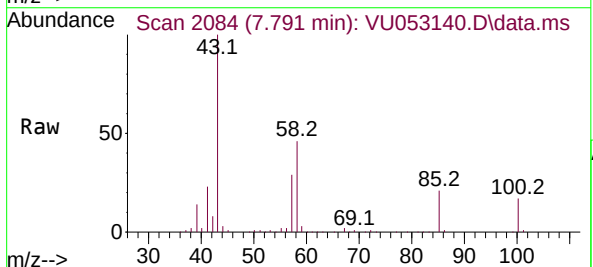
Tgt Ion: 43 Resp: 279307

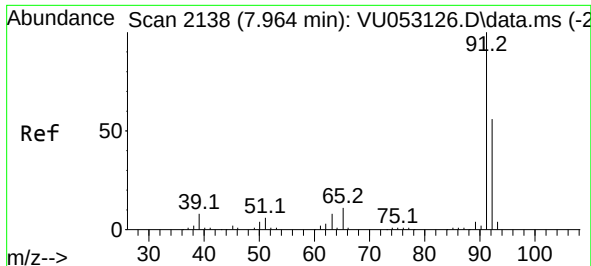
Ion Ratio Lower Upper

43 100

58 44.6 35.9 53.9

100 16.4 13.8 20.6





#42

Toluene

Concen: 5.251 ug/L

RT: 7.968 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

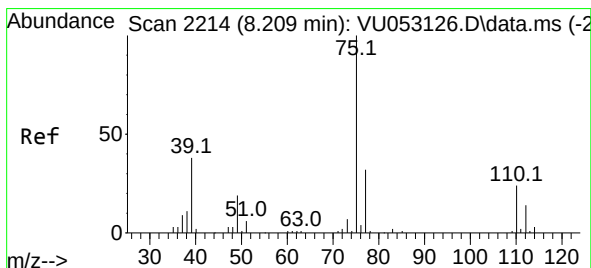
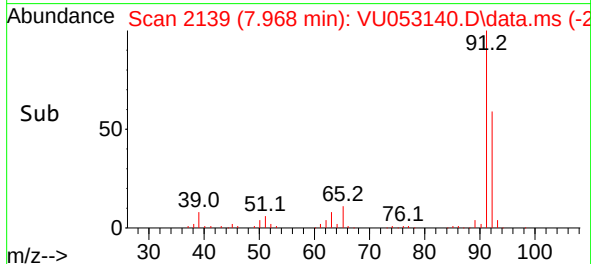
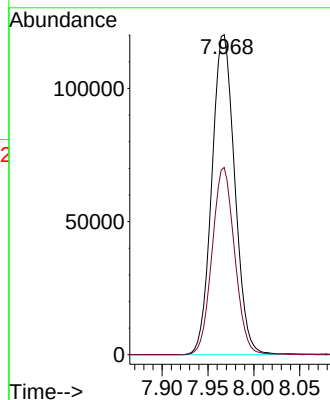
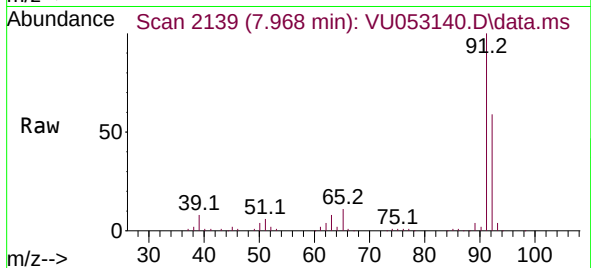
VSTD005143

Tgt Ion: 91 Resp: 208607

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.235 ug/L

RT: 8.205 min Scan# 2213

Delta R.T. -0.003 min

Lab File: VU053140.D

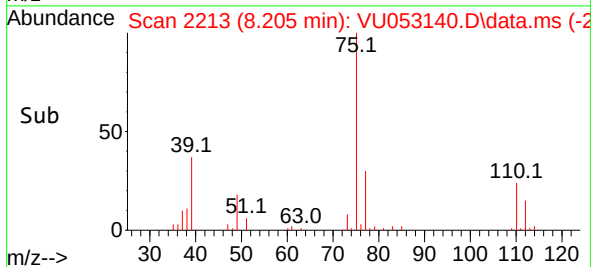
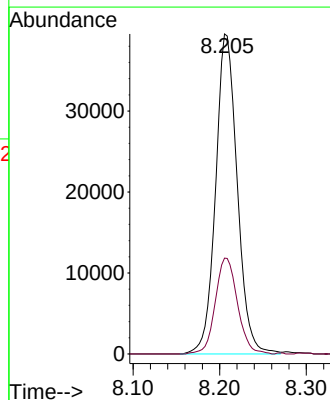
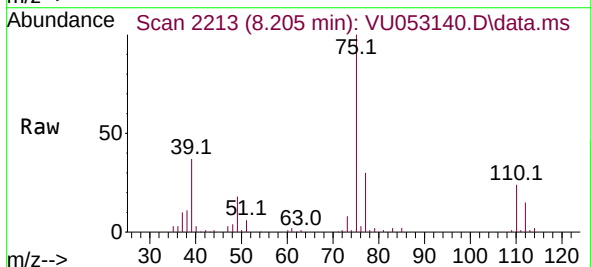
Acq: 20 Feb 2023 09:24

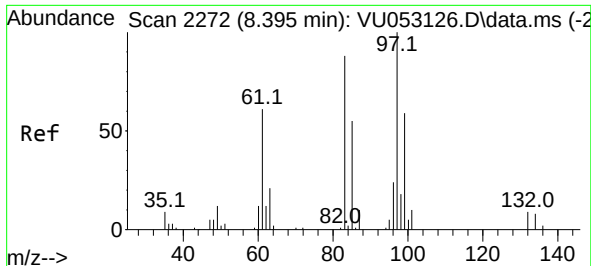
Tgt Ion: 75 Resp: 68593

Ion Ratio Lower Upper

75 100

77 29.9 22.3 41.3

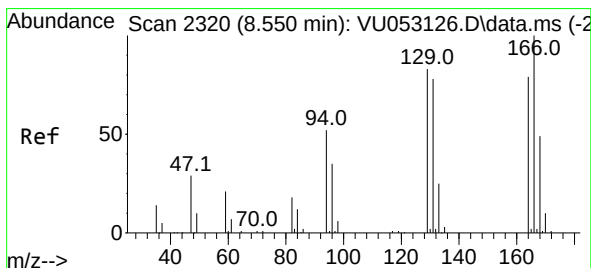
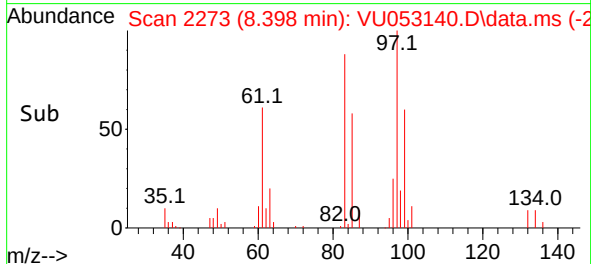
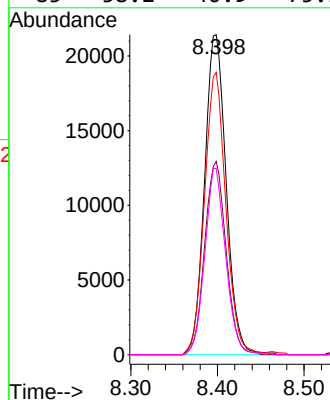
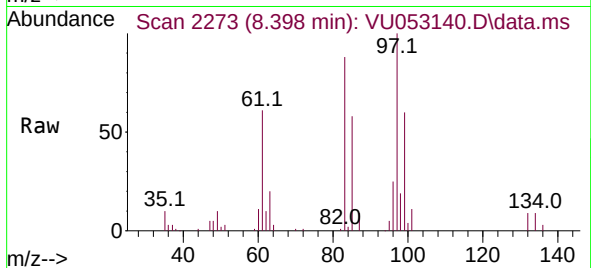




#45
1,1,2-Trichloroethane
Concen: 5.177 ug/L
RT: 8.398 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

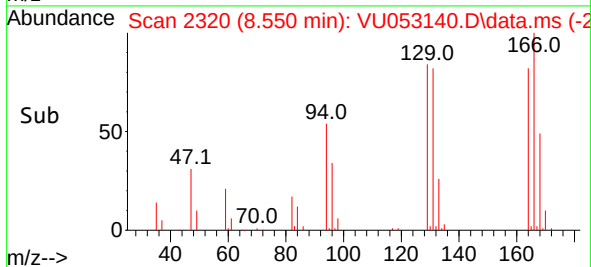
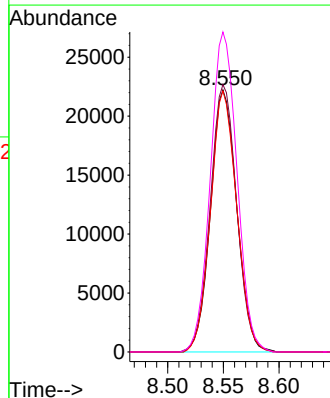
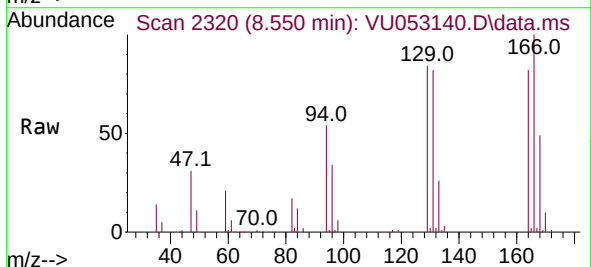
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

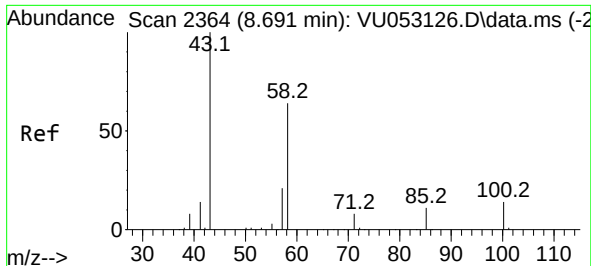
Tgt Ion: 97	Resp: 37146
Ion Ratio	Lower Upper
97 100	
99 60.4	43.0 79.8
83 88.2	58.0 107.8
85 58.2	40.9 75.9



#47
Tetrachloroethene
Concen: 5.441 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt	Ion:164	Resp:	36399
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.7	133.1
131	99.6	67.8	126.0
166	122.1	86.4	160.4

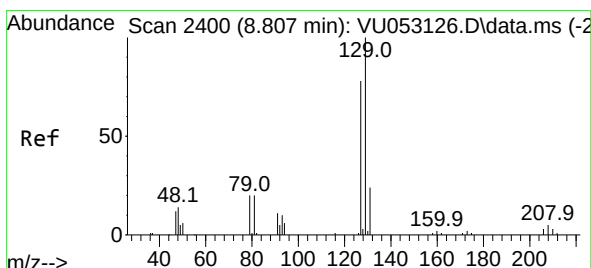
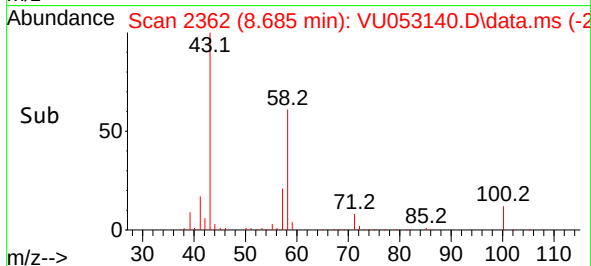
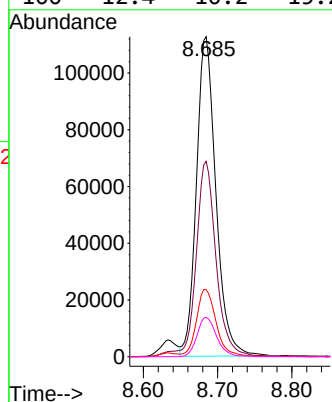
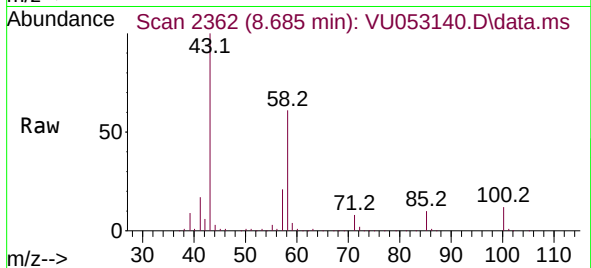




#48
2-Hexanone
Concen: 54.003 ug/L
RT: 8.685 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

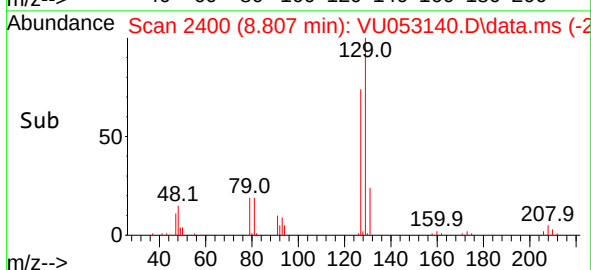
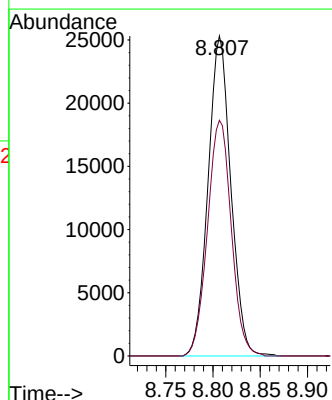
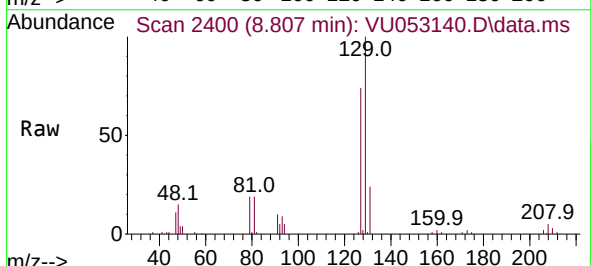
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

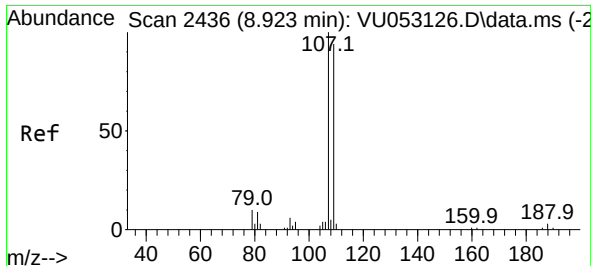
Tgt Ion:	43	Resp:	206061
Ion	Ratio	Lower	Upper
43	100		
58	63.0	50.3	75.5
57	20.9	17.4	26.0
100	12.4	10.2	15.2



#49
Dibromochloromethane
Concen: 5.421 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion:	129	Resp:	42411
Ion	Ratio	Lower	Upper
129	100		
127	73.7	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.271 ug/L

RT: 8.922 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

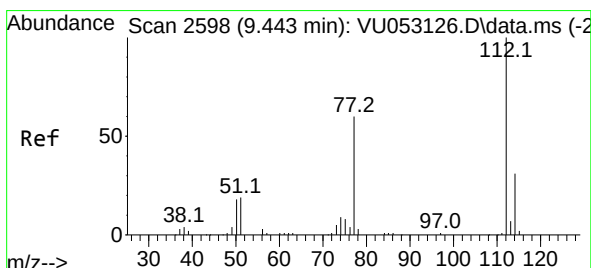
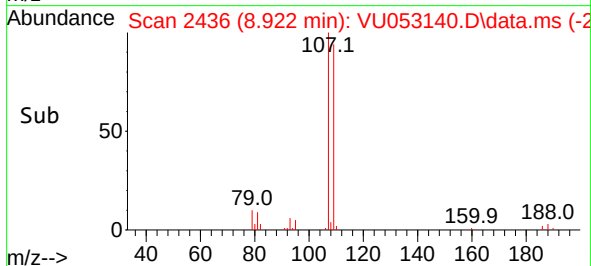
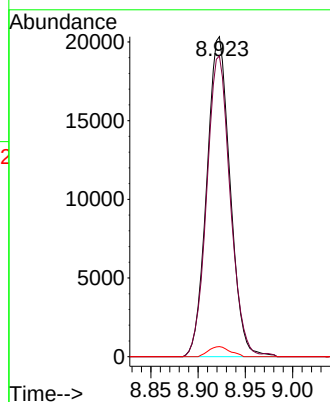
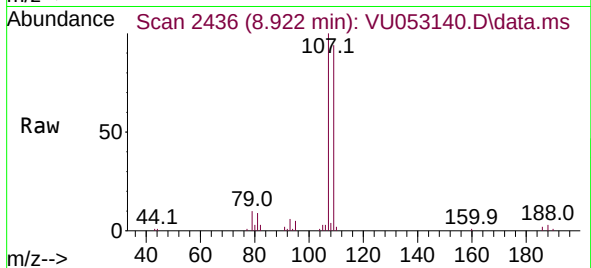
Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

Tgt Ion:107	Resp:	34894
Ion Ratio	Lower	Upper
107	100	
109	93.9	63.1 117.1
188	3.2	2.5 3.7



#51

Chlorobenzene

Concen: 5.276 ug/L

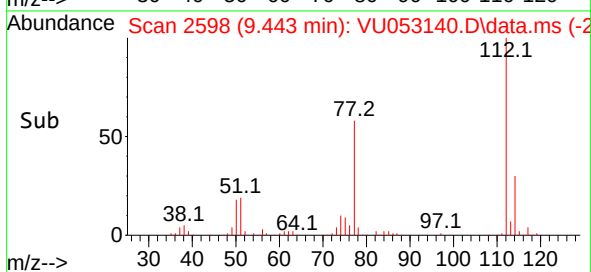
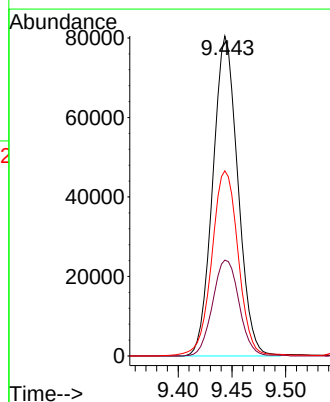
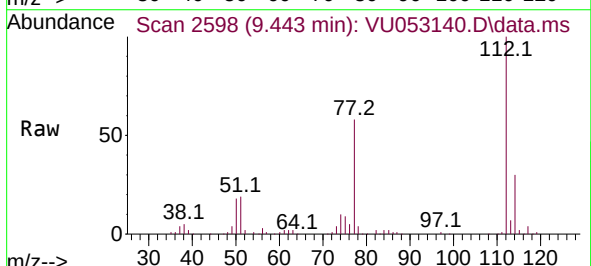
RT: 9.443 min Scan# 2598

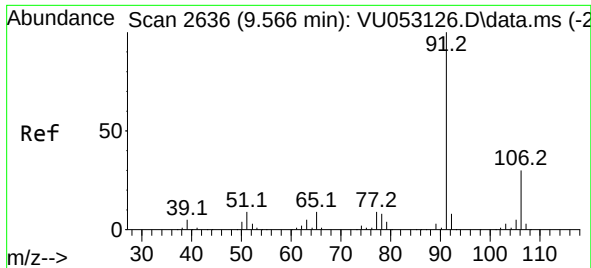
Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Tgt Ion:112	Resp:	130763
Ion Ratio	Lower	Upper
112	100	
114	30.0	22.3 41.3
77	57.8	48.9 73.3





#52

Ethylbenzene

Concen: 5.240 ug/L

RT: 9.569 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

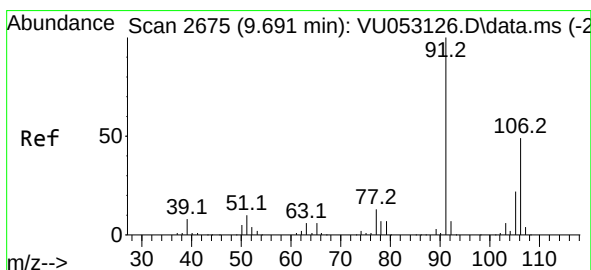
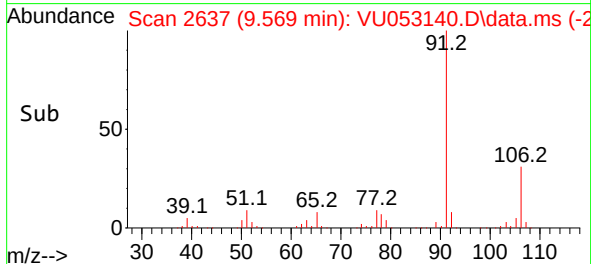
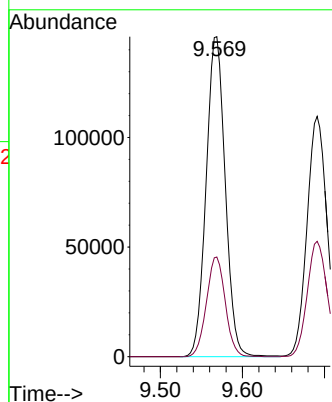
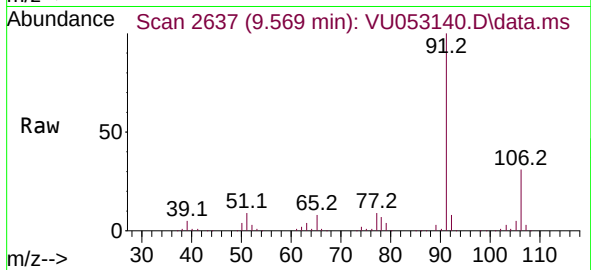
VSTD005143

Tgt Ion: 91 Resp: 236276

Ion Ratio Lower Upper

91 100

106 31.1 21.4 39.8



#53

m,p-Xylene

Concen: 5.285 ug/L

RT: 9.691 min Scan# 2675

Delta R.T. -0.000 min

Lab File: VU053140.D

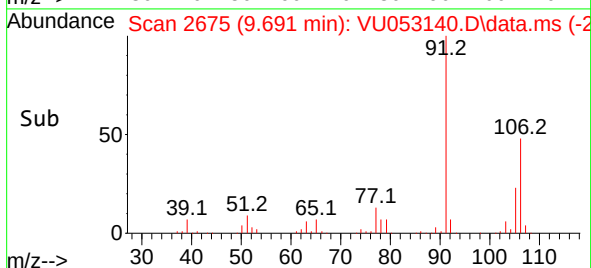
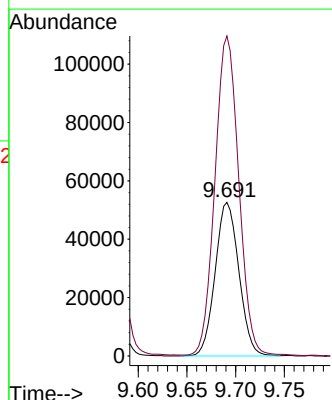
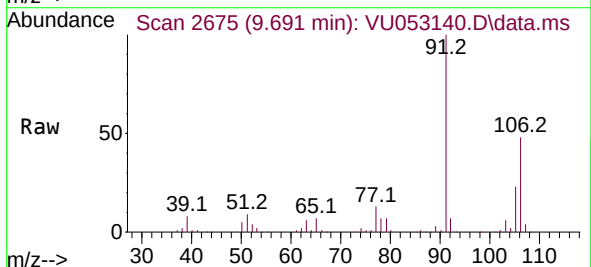
Acq: 20 Feb 2023 09:24

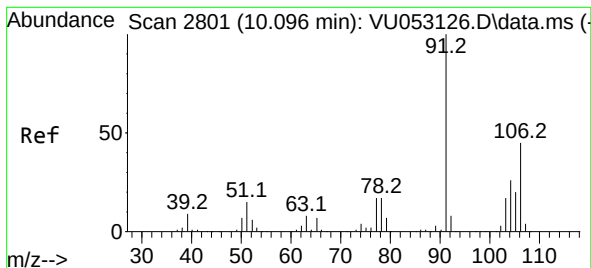
Tgt Ion:106 Resp: 89105

Ion Ratio Lower Upper

106 100

91 208.2 149.9 278.3





#54

o-Xylene

Concen: 5.347 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

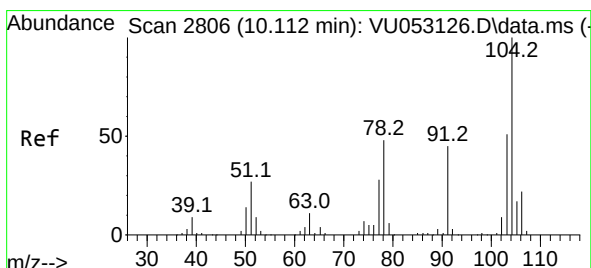
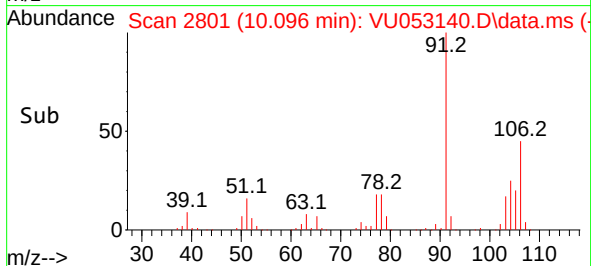
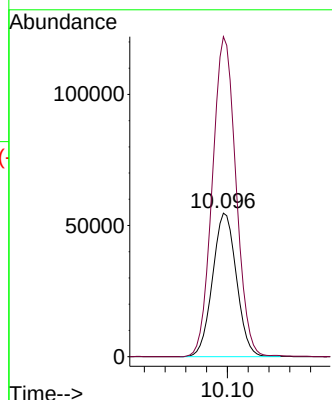
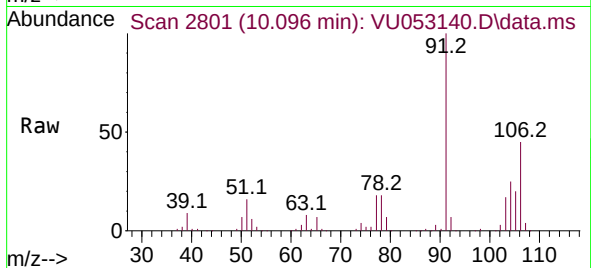
VSTD005143

Tgt Ion:106 Resp: 87391

Ion Ratio Lower Upper

106 100

91 223.1 153.6 285.2



#55

Styrene

Concen: 5.372 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. -0.000 min

Lab File: VU053140.D

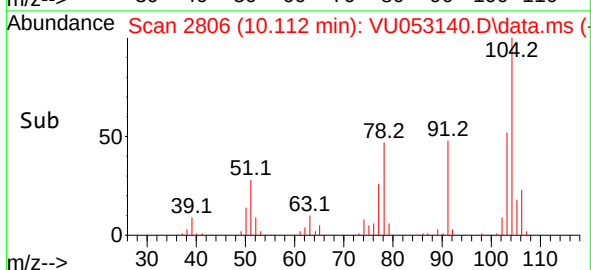
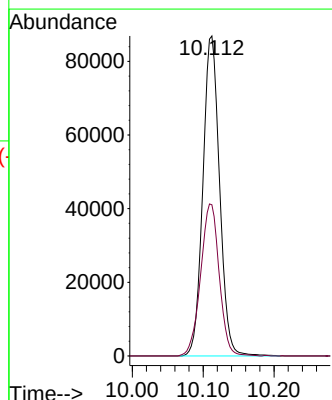
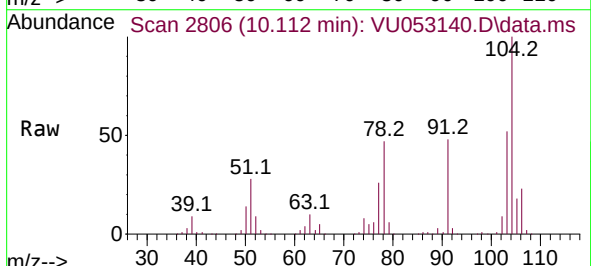
Acq: 20 Feb 2023 09:24

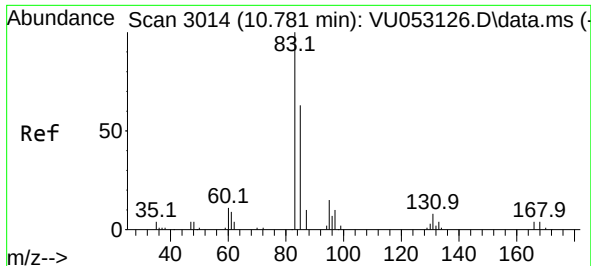
Tgt Ion:104 Resp: 142421

Ion Ratio Lower Upper

104 100

78 47.2 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.160 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.003 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

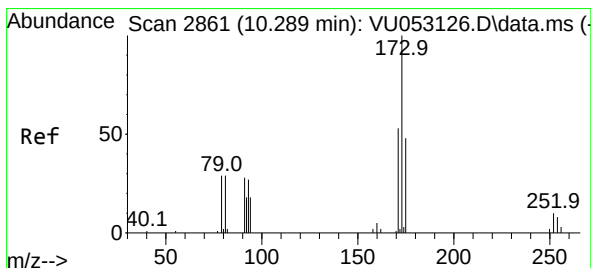
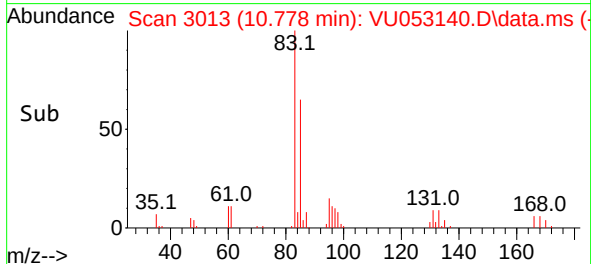
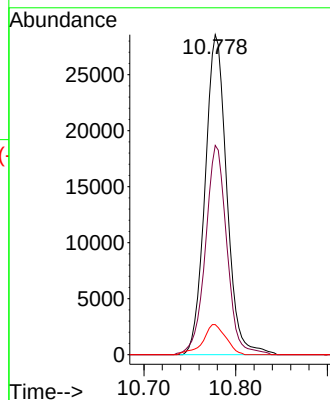
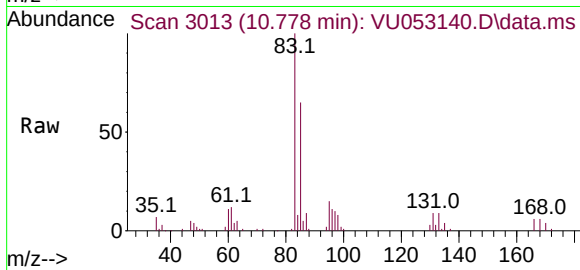
Tgt Ion: 83 Resp: 46852

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9

131 9.4 7.8 11.6



#59

Bromoform

Concen: 5.130 ug/L

RT: 10.289 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

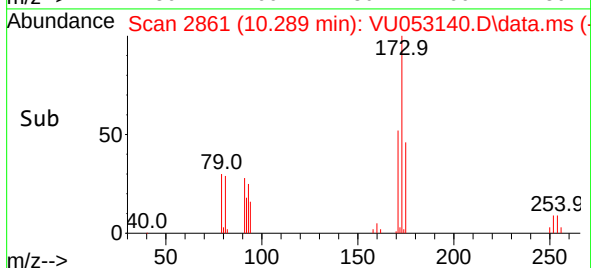
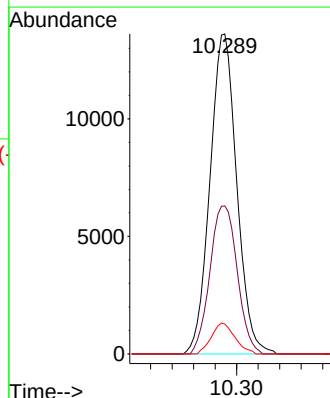
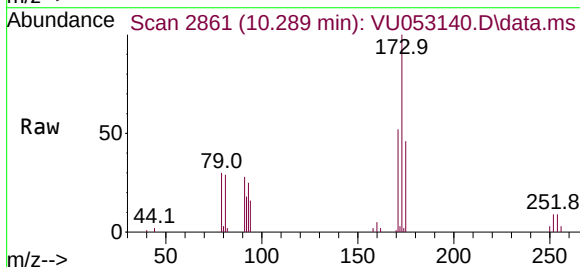
Tgt Ion:173 Resp: 23512

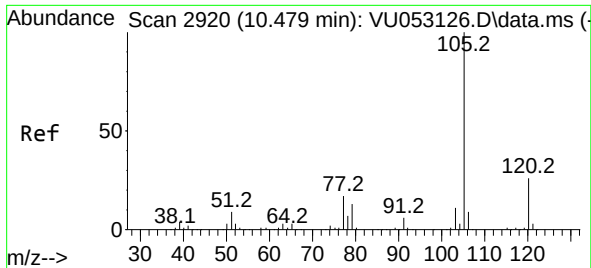
Ion Ratio Lower Upper

173 100

175 47.2 38.9 58.3

254 8.5 7.0 10.4

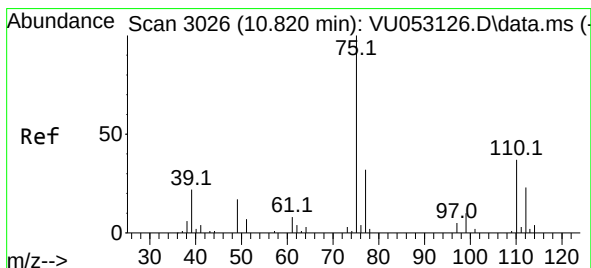
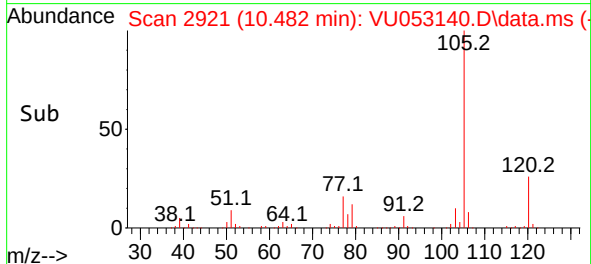
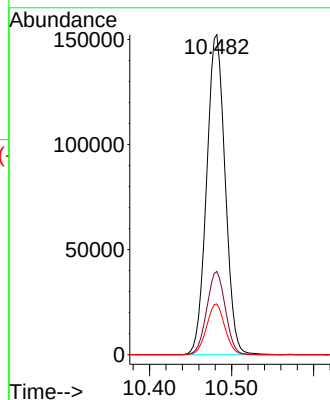
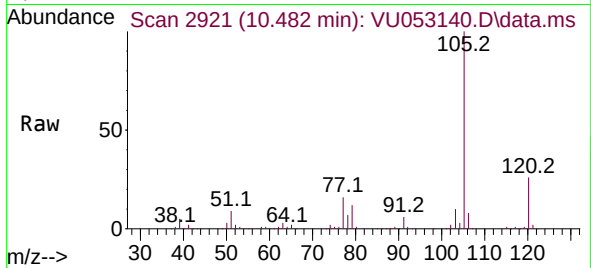




#60
Isopropylbenzene
Concen: 5.248 ug/L
RT: 10.482 min Scan# 2920
Delta R.T. 0.003 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

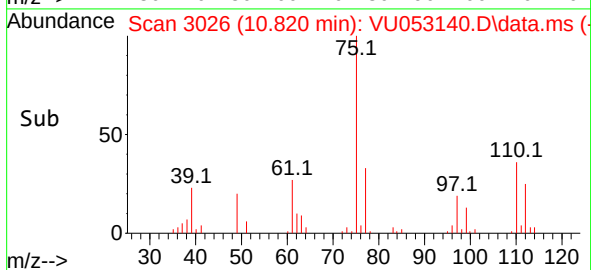
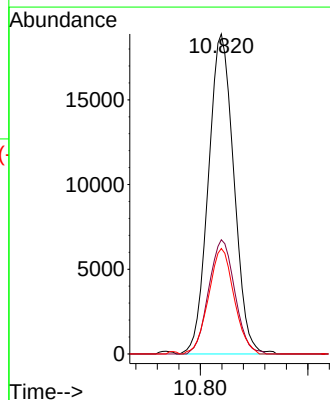
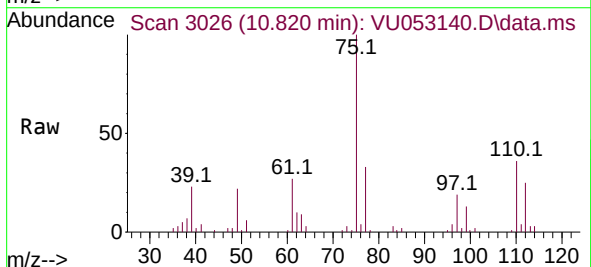
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

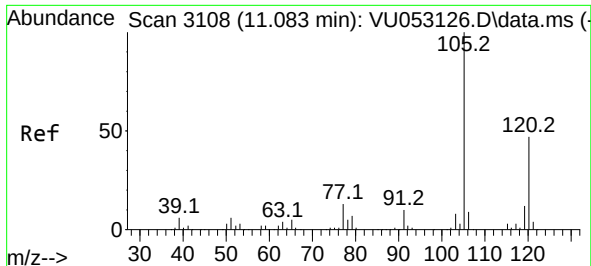
Tgt Ion:105 Resp: 239426
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 15.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.125 ug/L
RT: 10.820 min Scan# 3026
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion: 75 Resp: 31031
Ion Ratio Lower Upper
75 100
110 36.5 28.6 42.8
77 33.2 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 5.143 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

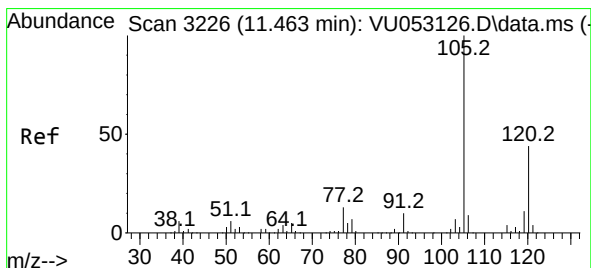
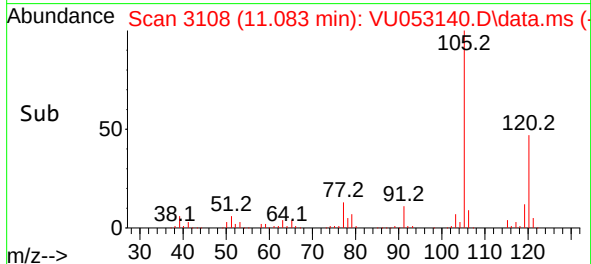
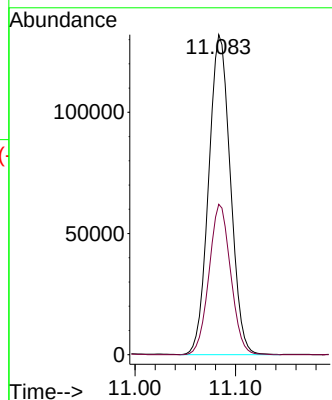
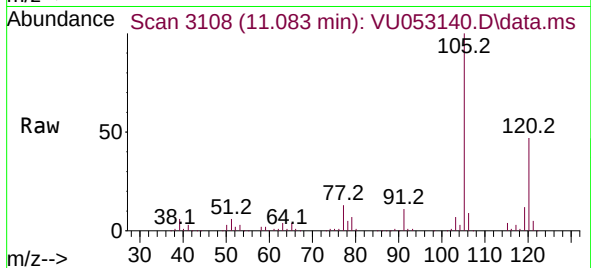
VSTD005143

Tgt Ion:105 Resp: 198125

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.228 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053140.D

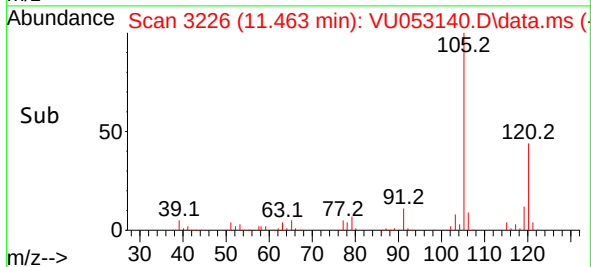
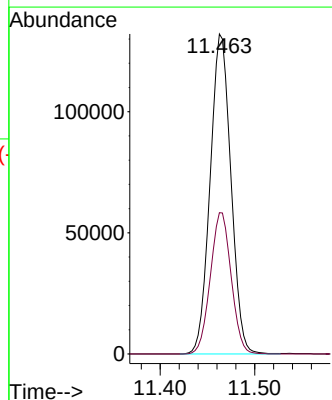
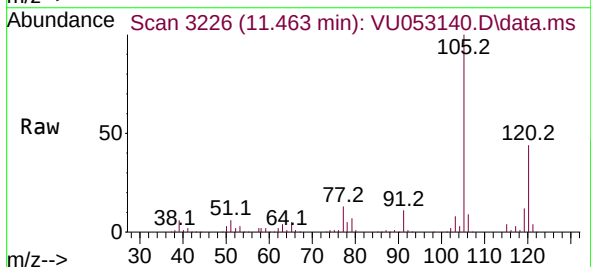
Acq: 20 Feb 2023 09:24

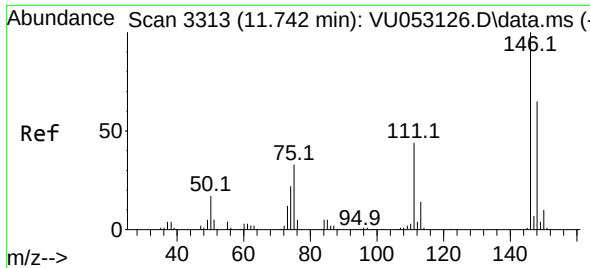
Tgt Ion:105 Resp: 201584

Ion Ratio Lower Upper

105 100

120 44.2 34.7 52.1

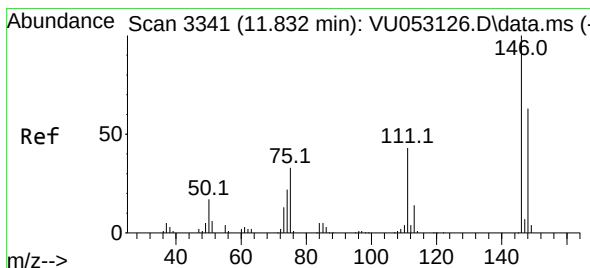
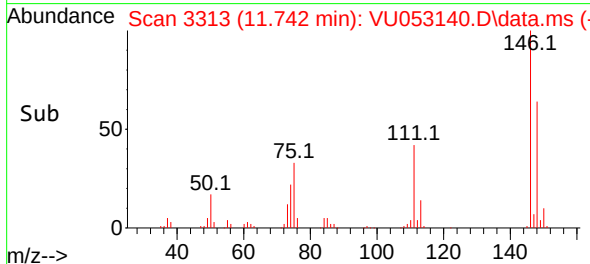
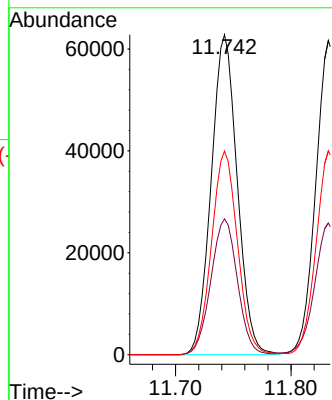
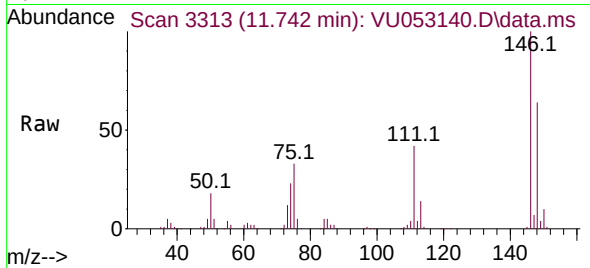




#64
1,3-Dichlorobenzene
Concen: 5.324 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

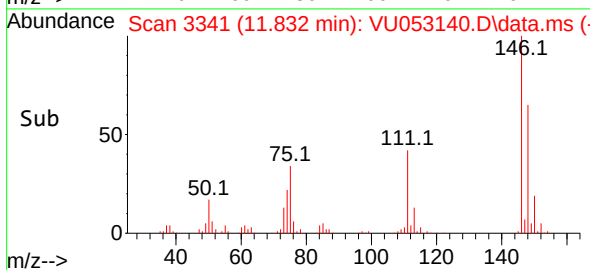
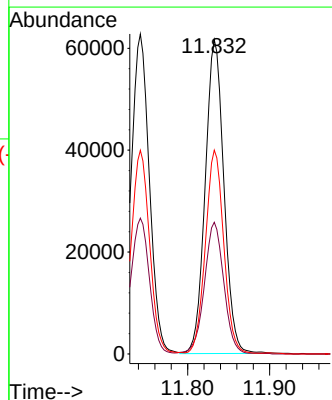
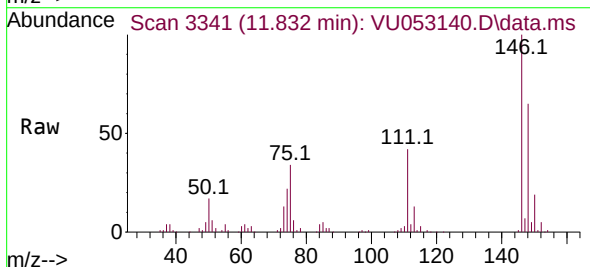
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

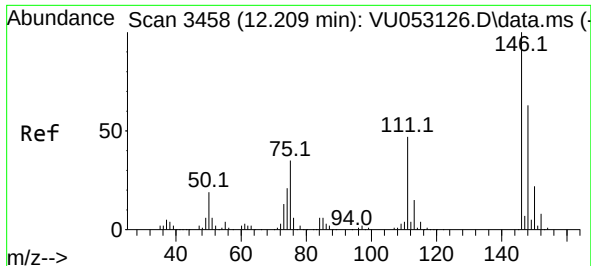
Tgt Ion:146	Resp:	98358
Ion	Ratio	Lower Upper
146	100	
111	42.4	32.0 59.4
148	63.7	45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 5.266 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053140.D
Acq: 20 Feb 2023 09:24

Tgt Ion:146	Resp:	97483
Ion	Ratio	Lower Upper
146	100	
111	41.9	30.3 56.3
148	64.9	44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.309 ug/L

RT: 12.209 min Scan# 34

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

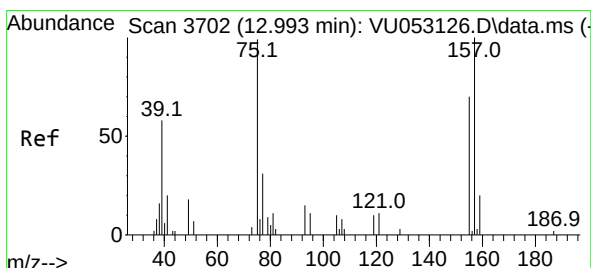
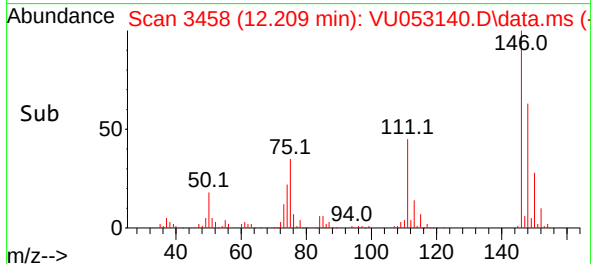
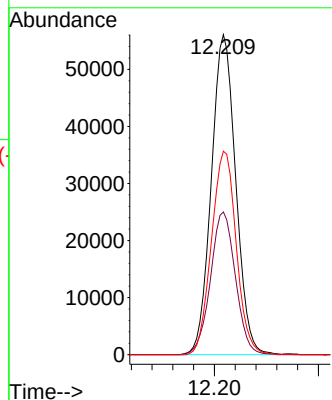
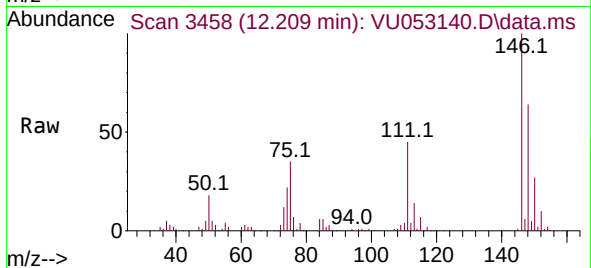
Tgt Ion:146 Resp: 91443

Ion Ratio Lower Upper

146 100

111 44.6 36.3 54.5

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.363 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

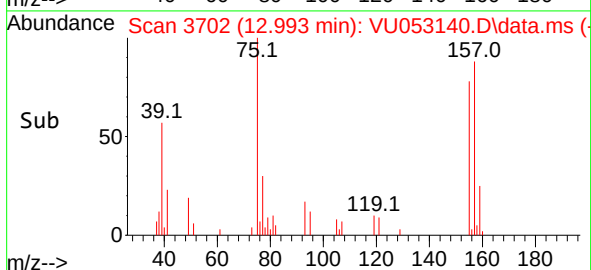
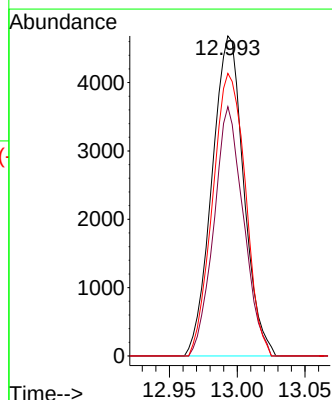
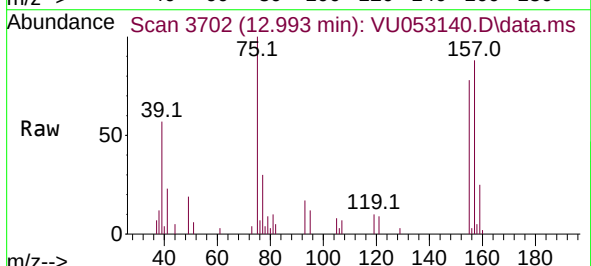
Tgt Ion: 75 Resp: 7632

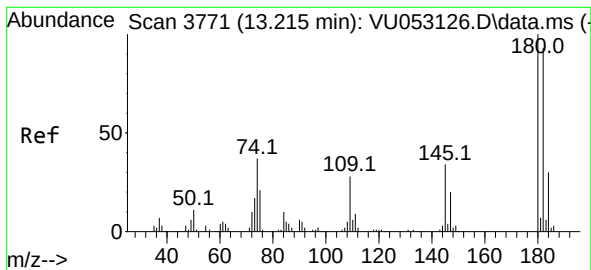
Ion Ratio Lower Upper

75 100

155 77.9 59.8 89.8

157 88.3 73.2 109.8

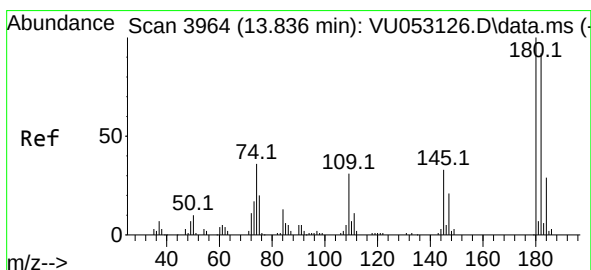
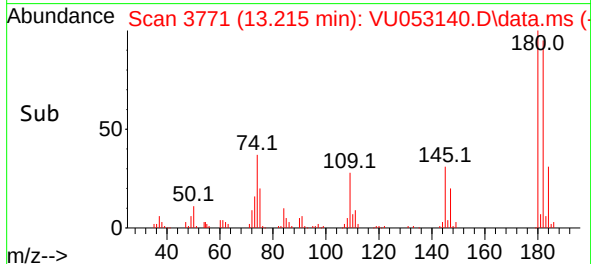
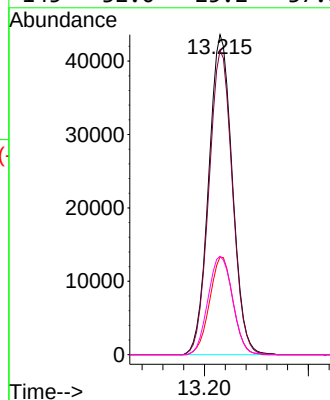
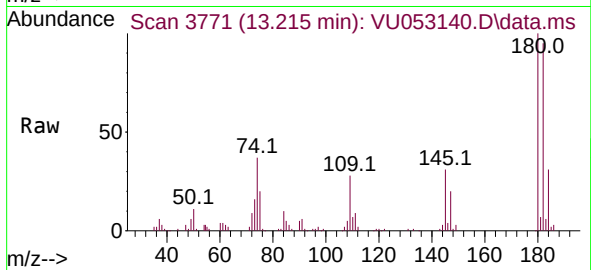




#69
 1,3,5-Trichlorobenzene
 Concen: 5.223 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

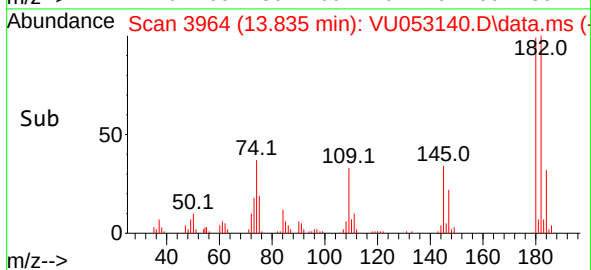
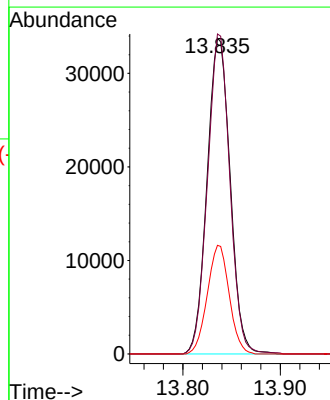
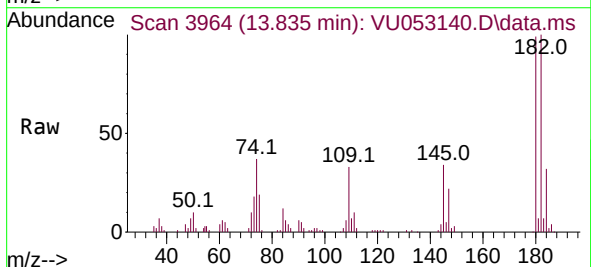
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

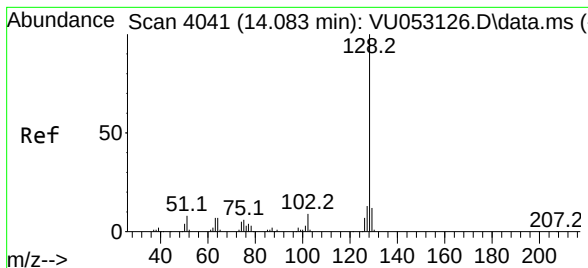
Tgt Ion:180	Resp:	68727
Ion	Ratio	Lower Upper
180	100	
182	94.6	75.4 113.0
184	30.2	23.8 35.6
145	32.0	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.090 ug/L
 RT: 13.835 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU053140.D
 Acq: 20 Feb 2023 09:24

Tgt Ion:180	Resp:	55609
Ion	Ratio	Lower Upper
180	100	
182	97.8	74.9 112.3
145	32.6	25.1 37.7





#71

Naphthalene

Concen: 4.960 ug/L

RT: 14.083 min Scan# 4041

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

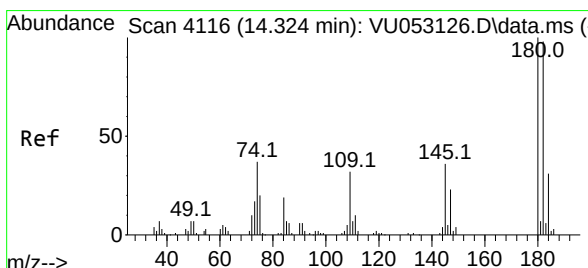
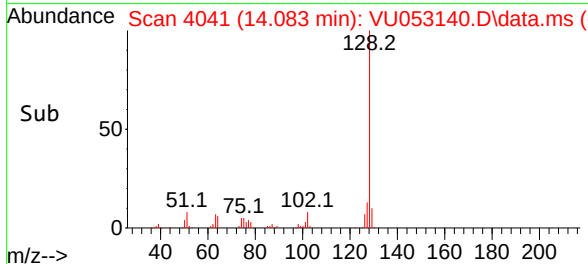
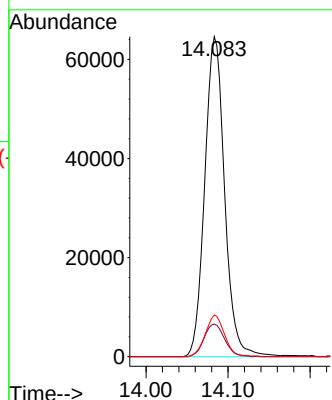
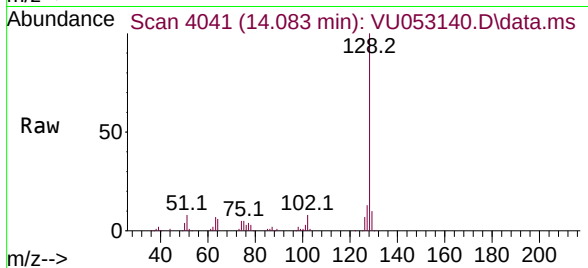
Tgt Ion:128 Resp: 108669

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 12.6 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.148 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. -0.000 min

Lab File: VU053140.D

Acq: 20 Feb 2023 09:24

Tgt Ion:180 Resp: 49636

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 34.5 28.2 42.2

