

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052620.D
 Acq On : 06 Jan 2023 11:14
 Operator : JC/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010062

Quant Time: Jan 07 00:20:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:16:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	308949	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	311586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	166481	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	36439	12.994	ug/L	0.00
7) Chloroethane-d5	1.916	69	29408	13.941	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	62260	13.260	ug/L	0.00
21) 2-Butanone-d5	4.626	46	43666	21.896	ug/L	0.00
24) Chloroform-d	5.060	84	58598	12.094	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	38529	12.455	ug/L	0.00
32) Benzene-d6	5.726	84	110724	11.285	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	39391	12.733	ug/L	0.00
41) Toluene-d8	7.896	98	90923	10.467	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	16367	11.292	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	22257	14.914	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	51579	11.155	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	32886	9.828	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	30654	11.310	ug/L	99
3) Chloromethane	1.520	50	41577	15.753	ug/L	99
5) Vinyl chloride	1.607	62	38326	14.418	ug/L	98
6) Bromomethane	1.861	94	17911	11.152	ug/L	95
8) Chloroethane	1.935	64	24847	15.168	ug/L	96
9) Trichlorofluoromethane	2.141	101	43949	11.672	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	26634	12.452	ug/L	98
12) 1,1-Dichloroethene	2.581	96	23664	11.822	ug/L	93
13) Acetone	2.626	43	53989	28.935	ug/L	96
14) Carbon disulfide	2.797	76	74966	12.511	ug/L	99
15) Methyl Acetate	2.948	43	38415	15.479	ug/L	100
16) Methylene chloride	3.047	84	32733	13.009	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	25302	12.070	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	75383	11.984	ug/L	100
19) 1,1-Dichloroethane	3.871	63	57148	14.339	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	26532	11.787	ug/L	98
22) 2-Butanone	4.707	43	57889	26.963	ug/L	95
23) Bromochloromethane	4.970	128	14313	11.974	ug/L	95
25) Chloroform	5.086	83	55715	13.147	ug/L	98
27) 1,2-Dichloroethane	5.793	62	45539	13.853	ug/L	99
29) Cyclohexane	5.385	56	39713	12.004	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	42896	11.595	ug/L	99
31) Carbon tetrachloride	5.523	117	36200	11.388	ug/L	100
33) Benzene	5.771	78	116231	12.580	ug/L	100
34) Trichloroethene	6.542	95	26978	11.440	ug/L	97
35) Methylcyclohexane	6.761	83	38619	10.609	ug/L	98
37) 1,2-Dichloropropane	6.787	63	34854	14.382	ug/L	99
38) Bromodichloromethane	7.102	83	41560	12.833	ug/L	96
39) cis-1,3-Dichloropropene	7.604	75	40833	11.308	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	80490	24.169	ug/L	98
42) Toluene	7.967	91	110010	11.530	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	40251	11.421	ug/L	91

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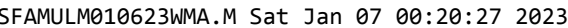
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010062

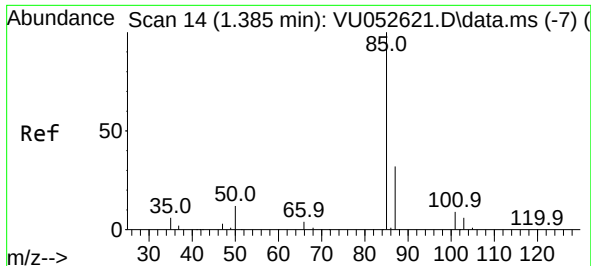
Quant Time: Jan 07 00:20:10 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	28859	12.136	ug/L	98
46) Tetrachloroethene	8.552	164	18363	10.432	ug/L	96
48) 2-Hexanone	8.681	43	70994	25.348	ug/L	98
49) Dibromochloromethane	8.806	129	29471	11.372	ug/L	100
50) 1,2-Dibromoethane	8.922	107	28764	11.719	ug/L	95
51) Chlorobenzene	9.443	112	70422	11.383	ug/L	98
52) Ethylbenzene	9.568	91	106745	10.599	ug/L	100
53) m,p-Xylene	9.690	106	38936	10.046	ug/L	94
54) o-xylene	10.095	106	37567	10.153	ug/L	98
55) Styrene	10.111	104	64997	9.935	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	51748	12.346	ug/L	97
59) Bromoform	10.288	173	20201	10.574	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	40862	12.063	ug/L	99
61) Isopropylbenzene	10.481	105	97420	10.097	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	73257	9.108	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	71241	8.886	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	49806	10.262	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	53510	10.577	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	51687	10.582	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.989	75	10690	10.701	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	34546	9.409	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	27480	8.856	ug/L	99
71) Naphthalene	14.082	128	74544	7.533	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	28831	9.158	ug/L	99

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

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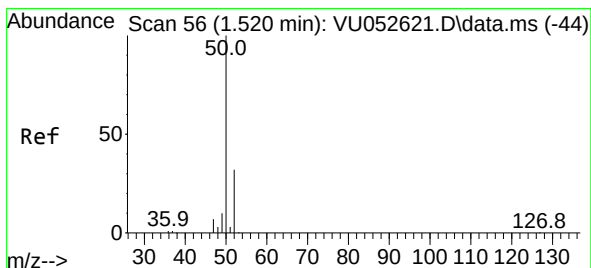
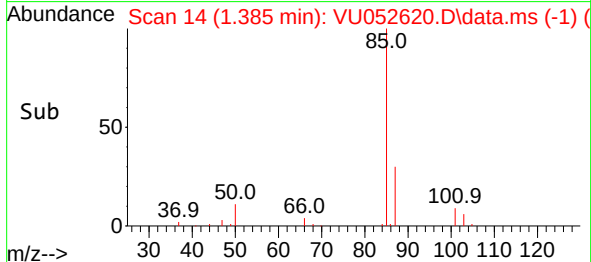
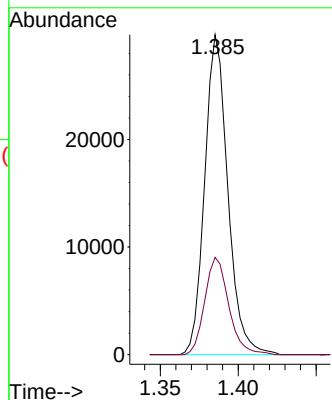
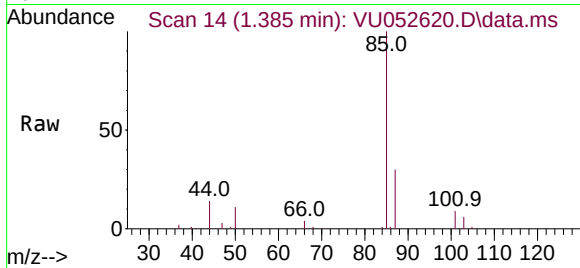




#2
Dichlorodifluoromethane
Concen: 11.310 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
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Acq: 06 Jan 2023 11:14

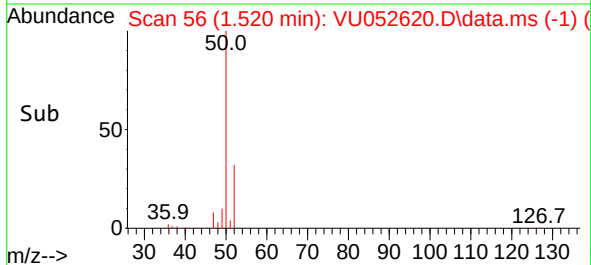
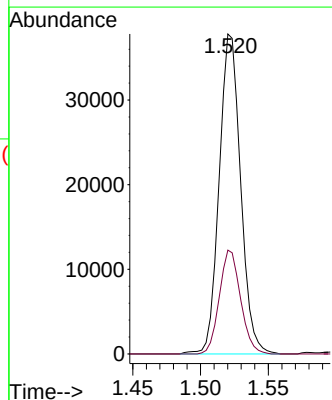
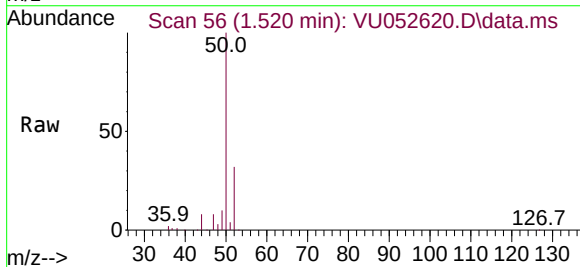
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

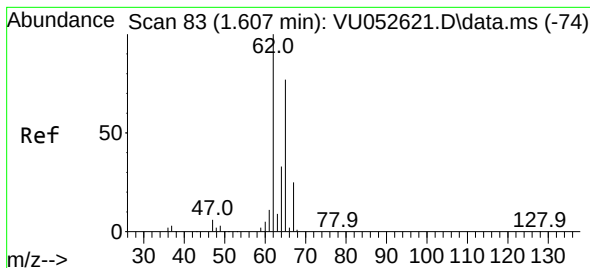
Tgt Ion: 85 Resp: 30654
Ion Ratio Lower Upper
85 100
87 31.5 25.5 38.3



#3
Chloromethane
Concen: 15.753 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 50 Resp: 41577
Ion Ratio Lower Upper
50 100
52 32.5 22.3 41.5





#5

Vinyl chloride

Concen: 14.418 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

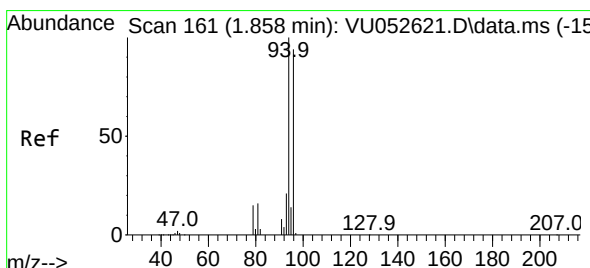
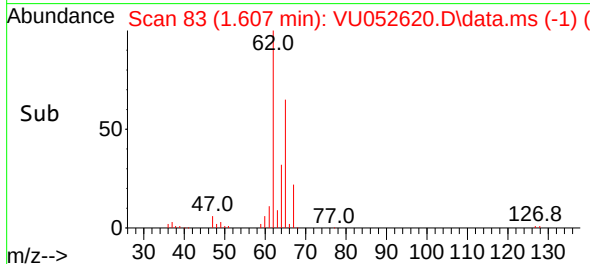
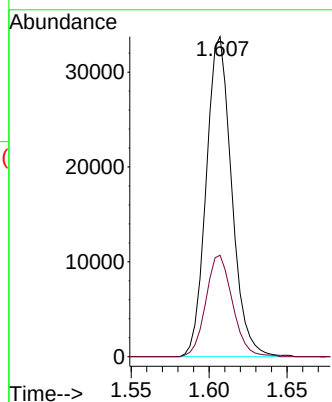
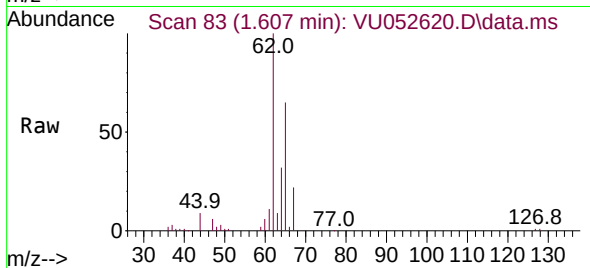
VSTD010062

Tgt Ion: 62 Resp: 38326

Ion Ratio Lower Upper

62 100

64 31.7 23.0 42.6



#6

Bromomethane

Concen: 11.152 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU052620.D

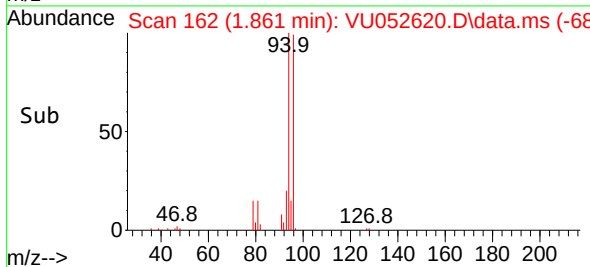
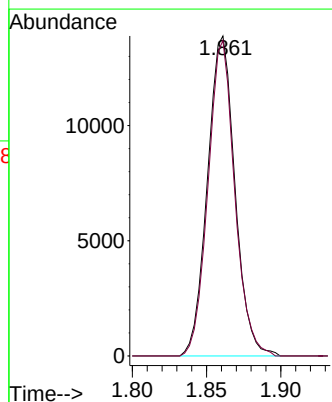
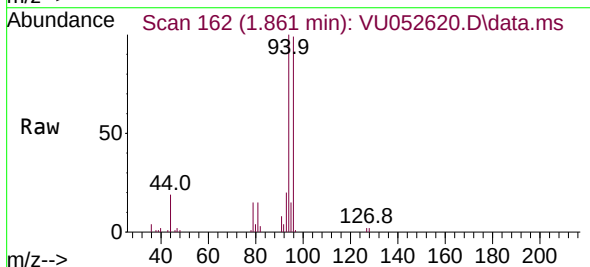
Acq: 06 Jan 2023 11:14

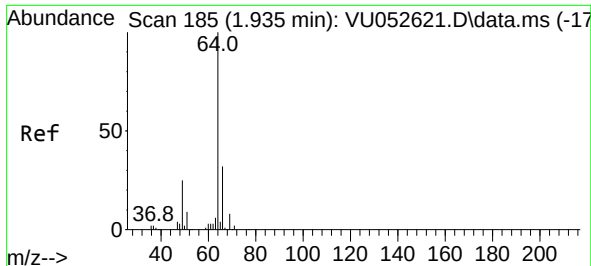
Tgt Ion: 94 Resp: 17911

Ion Ratio Lower Upper

94 100

96 98.6 65.8 122.2

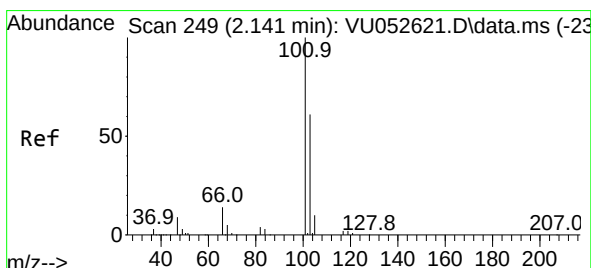
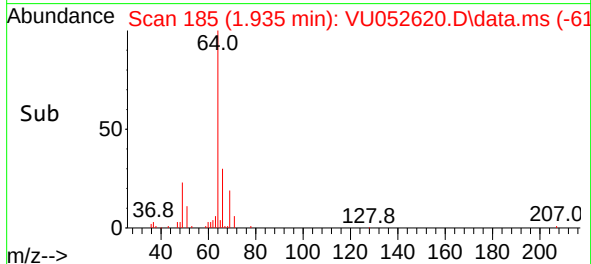
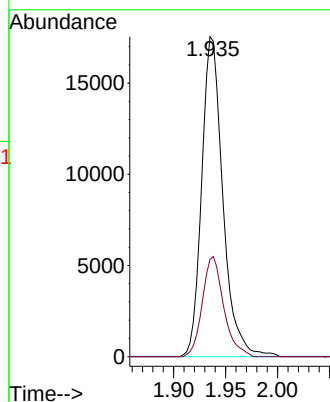
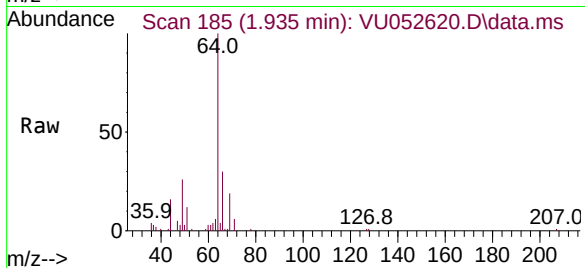




#8
Chloroethane
Concen: 15.168 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

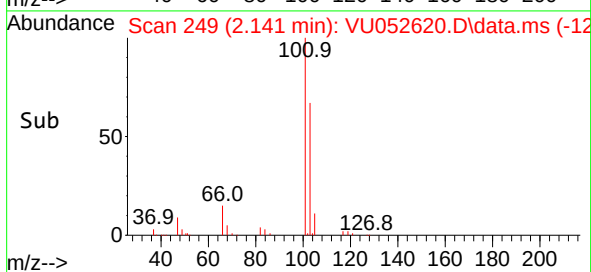
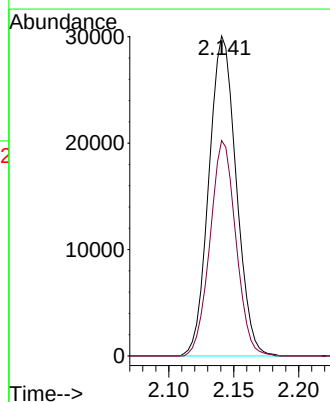
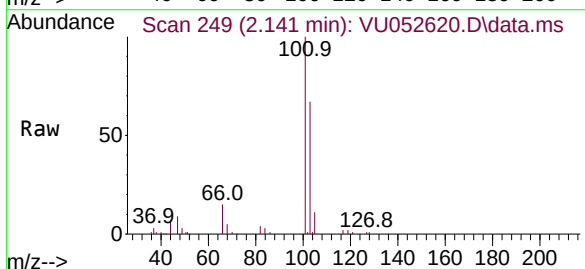
Instrument :
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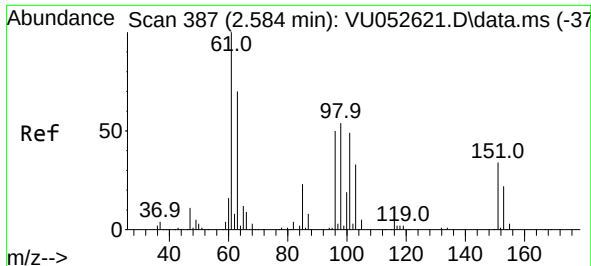
Tgt Ion: 64 Resp: 24847
Ion Ratio Lower Upper
64 100
66 30.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 11.672 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 101 Resp: 43949
Ion Ratio Lower Upper
101 100
103 63.7 50.2 75.2

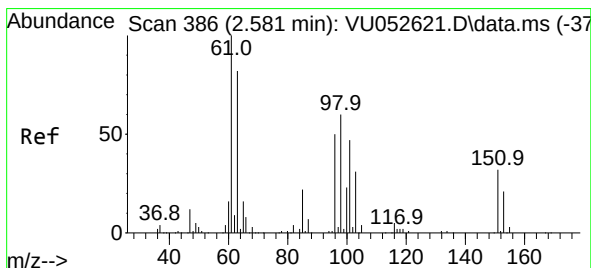
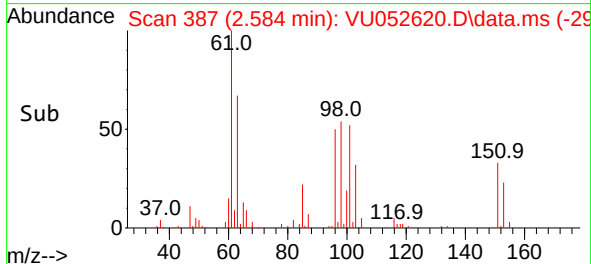
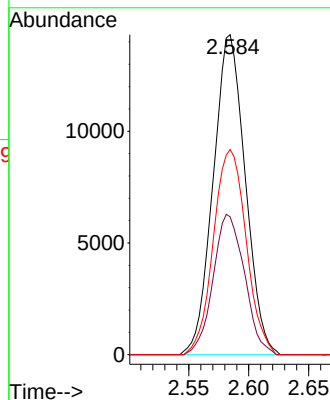
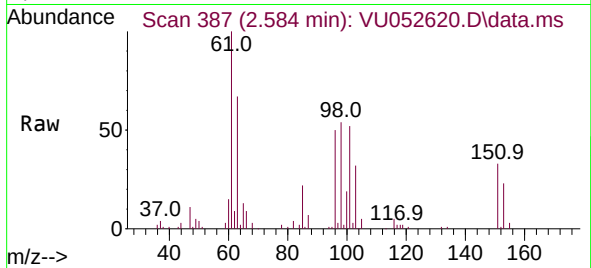




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.452 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052620.D
 Acq: 06 Jan 2023 11:14

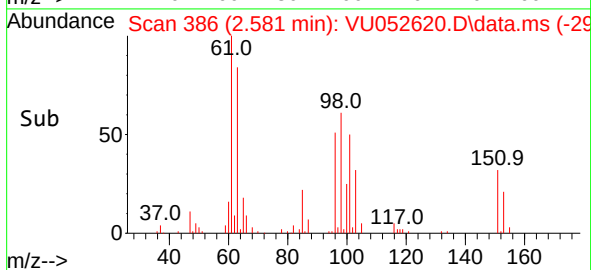
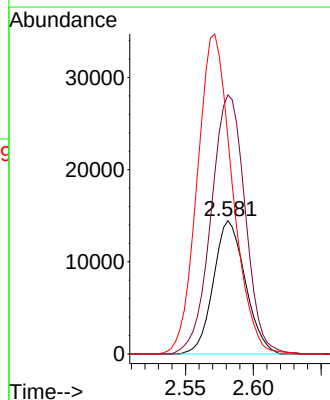
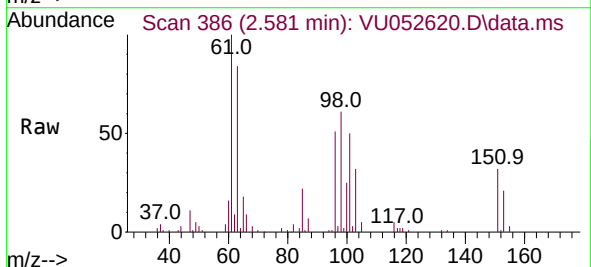
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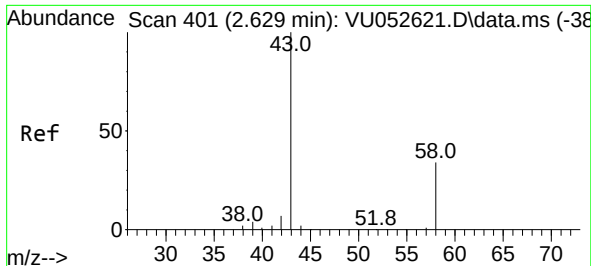
Tgt Ion:101 Resp: 26634
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.8 53.6
 151 65.6 53.2 79.8



#12
 1,1-Dichloroethene
 Concen: 11.822 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052620.D
 Acq: 06 Jan 2023 11:14

Tgt Ion: 96 Resp: 23664
 Ion Ratio Lower Upper
 96 100
 61 194.3 140.8 261.6
 63 162.3 122.6 227.6





#13

Acetone

Concen: 28.935 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

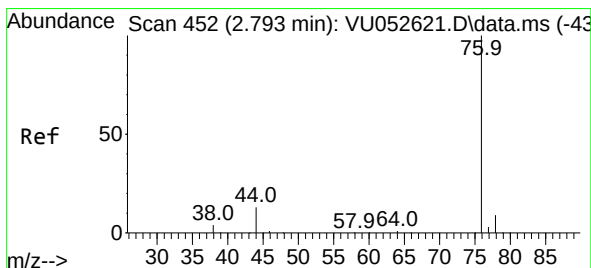
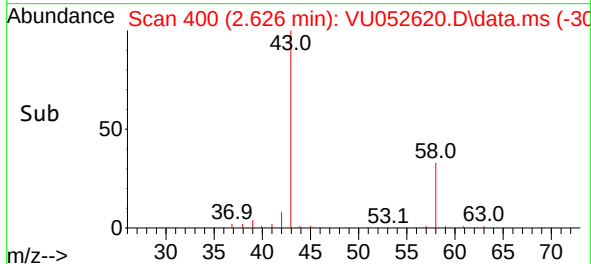
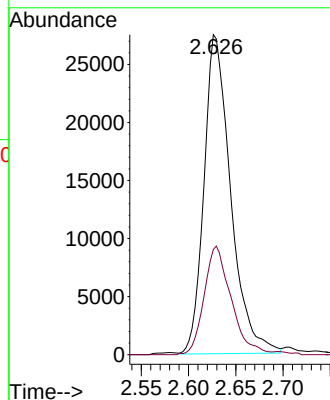
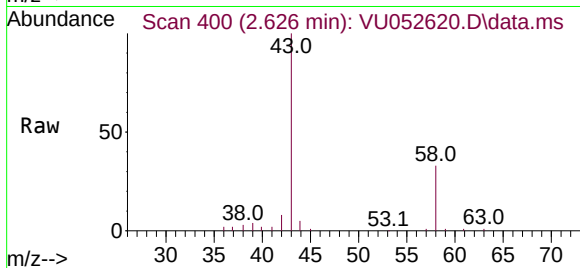
VSTD010062

Tgt Ion: 43 Resp: 53989

Ion Ratio Lower Upper

43 100

58 34.4 0.0 64.4



#14

Carbon disulfide

Concen: 12.511 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052620.D

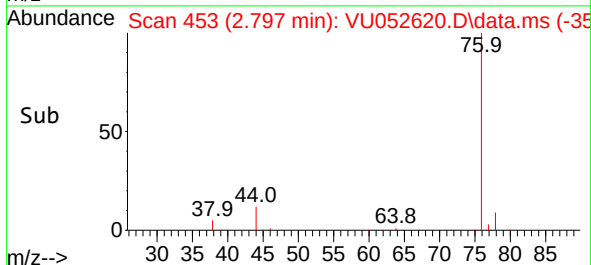
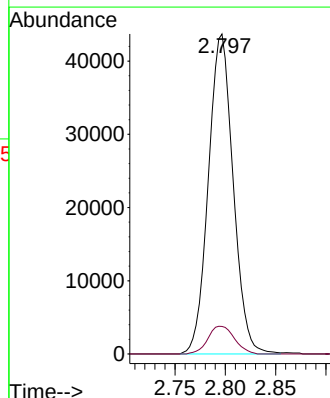
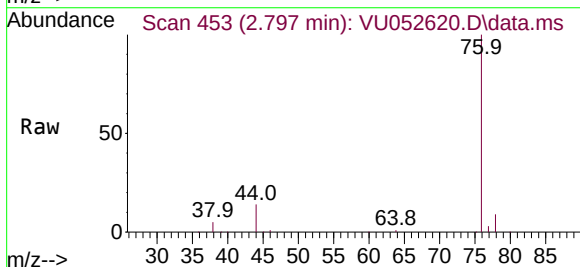
Acq: 06 Jan 2023 11:14

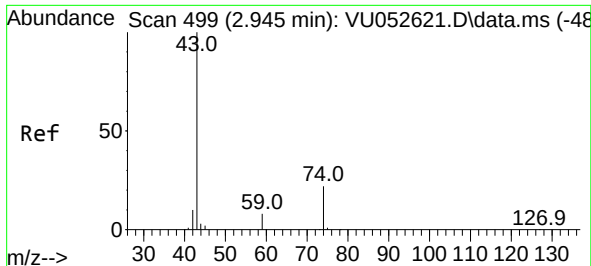
Tgt Ion: 76 Resp: 74966

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

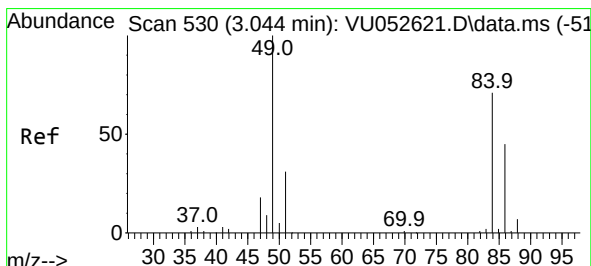
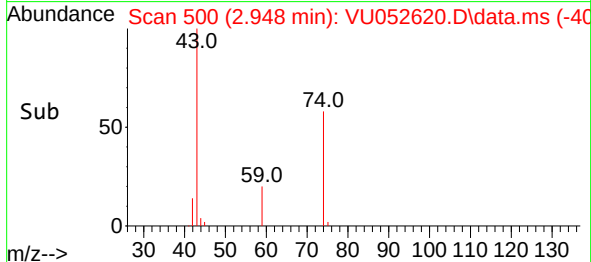
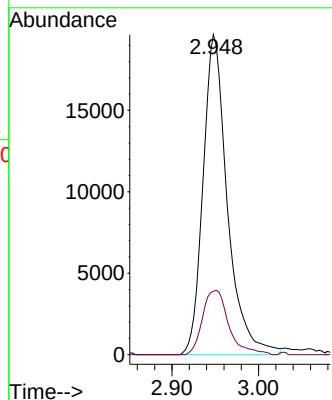
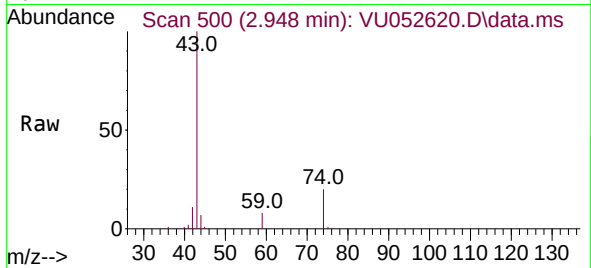




#15
Methyl Acetate
Concen: 15.479 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

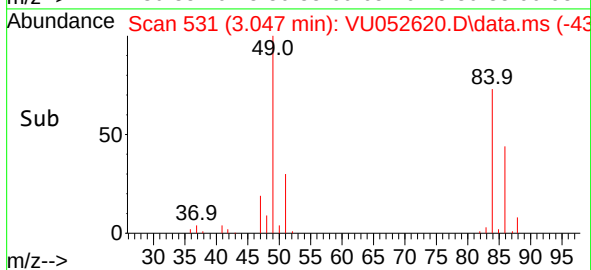
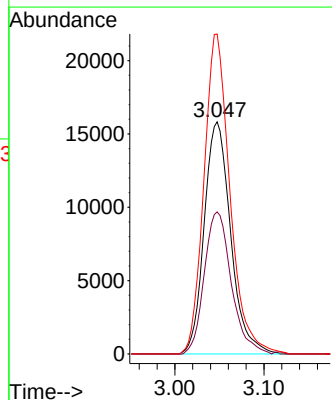
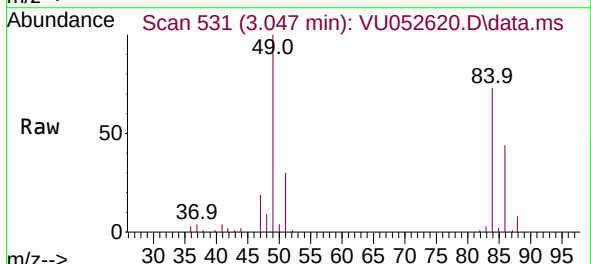
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ClientSampleId :
VSTD010062

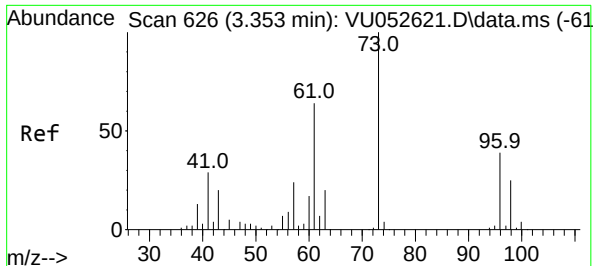
Tgt Ion: 43 Resp: 38415
Ion Ratio Lower Upper
43 100
74 21.7 17.2 25.8



#16
Methylene chloride
Concen: 13.009 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 84 Resp: 32733
Ion Ratio Lower Upper
84 100
86 61.2 44.7 83.1
49 137.9 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 12.070 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

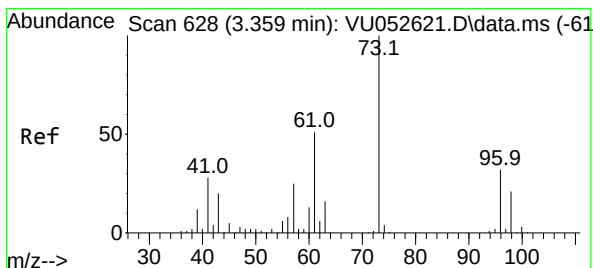
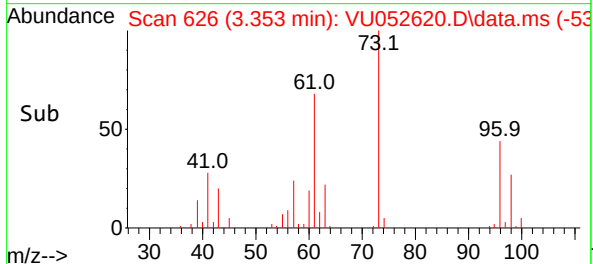
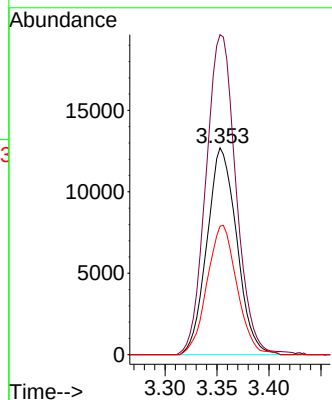
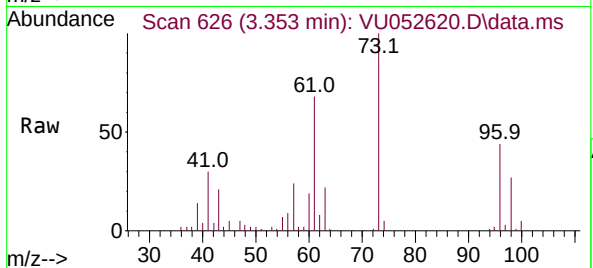
Tgt Ion: 96 Resp: 25302

Ion Ratio Lower Upper

96 100

61 154.6 115.3 214.1

98 62.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 11.984 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

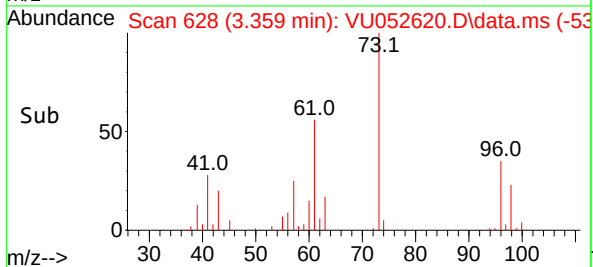
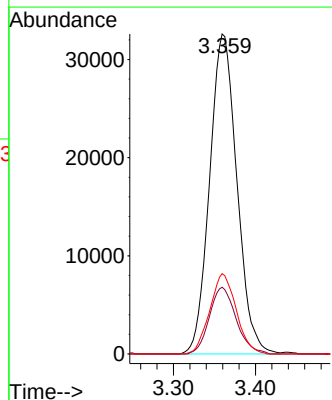
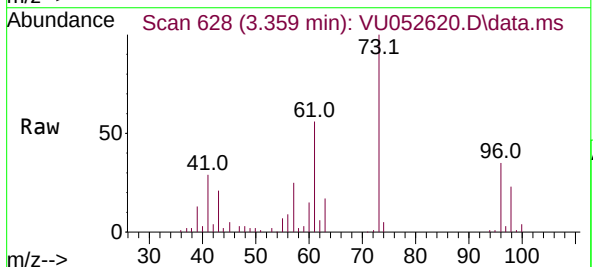
Tgt Ion: 73 Resp: 75383

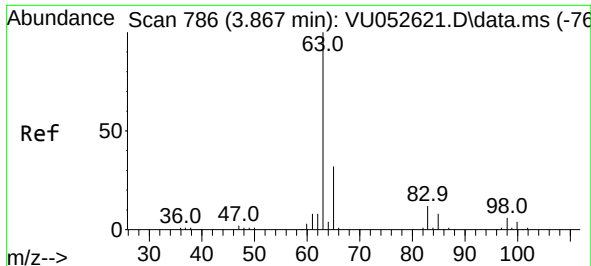
Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

57 24.3 19.6 29.4





#19

1,1-Dichloroethane

Concen: 14.339 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

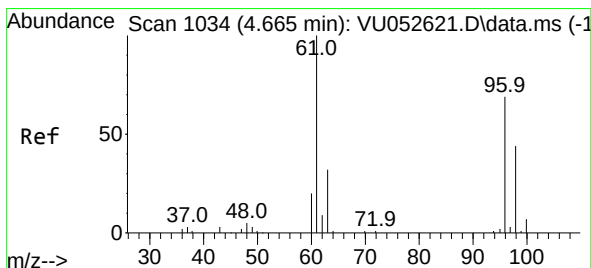
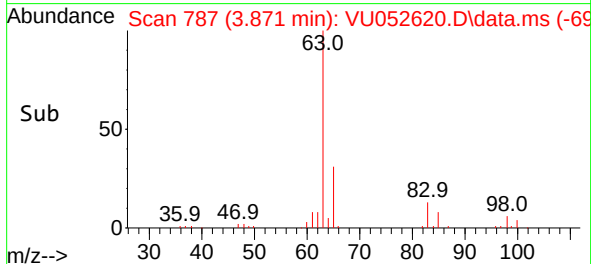
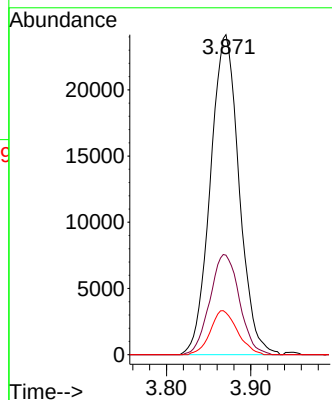
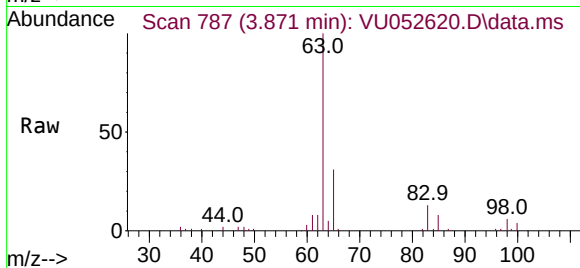
Tgt Ion: 63 Resp: 57148

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

83 13.1 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 11.787 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

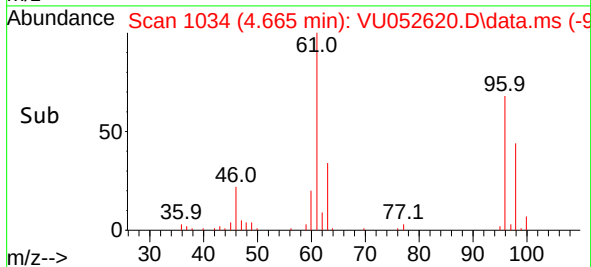
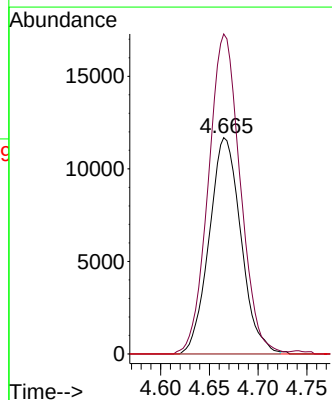
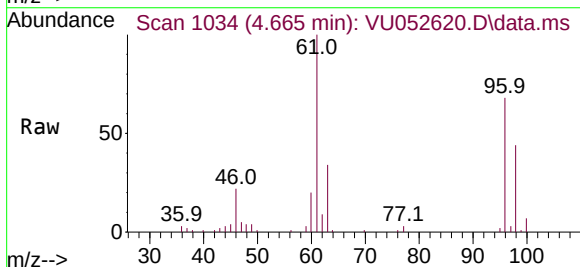
Tgt Ion: 96 Resp: 26532

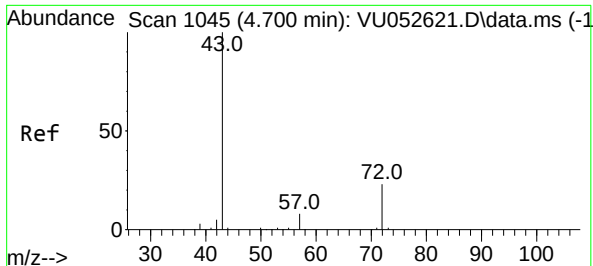
Ion Ratio Lower Upper

96 100

61 147.9 102.1 189.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 26.963 ug/L

RT: 4.707 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

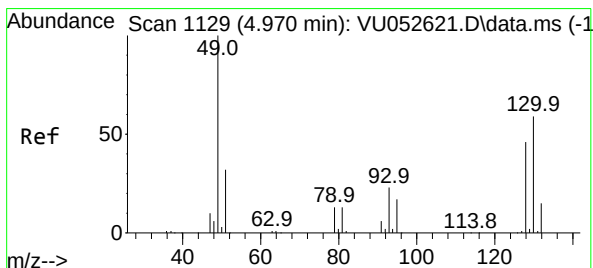
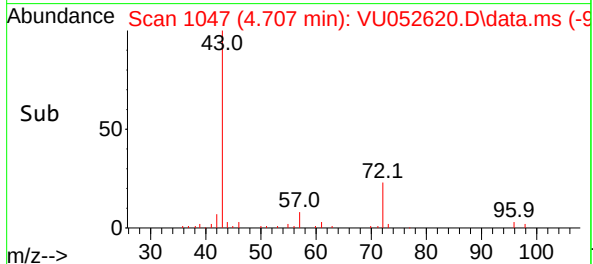
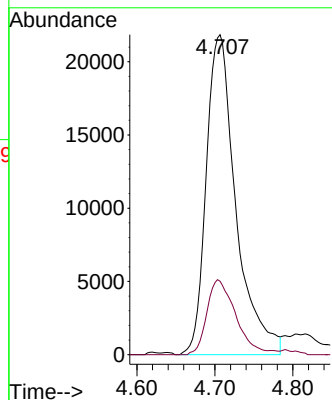
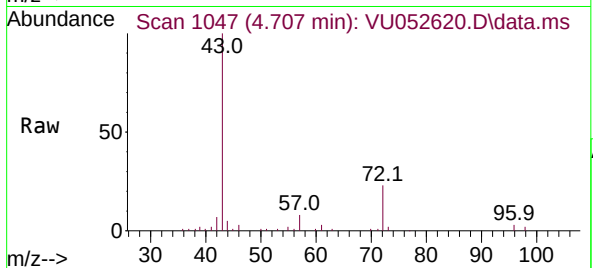
VSTD010062

Tgt Ion: 43 Resp: 57889

Ion Ratio Lower Upper

43 100

72 22.6 12.4 37.4



#23

Bromochloromethane

Concen: 11.974 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Tgt Ion:128 Resp: 14313

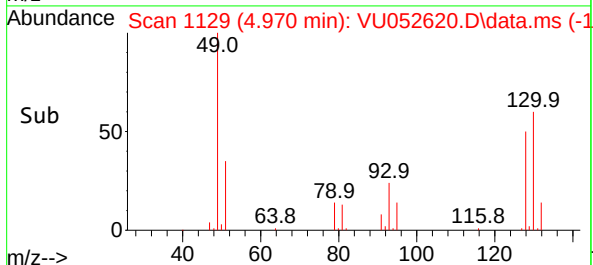
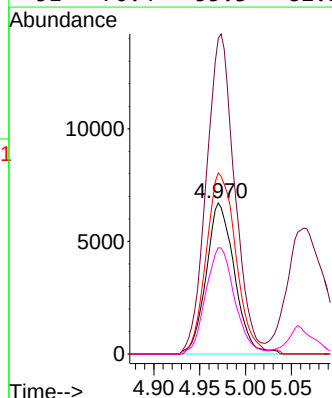
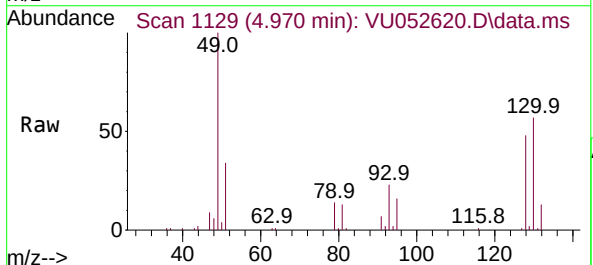
Ion Ratio Lower Upper

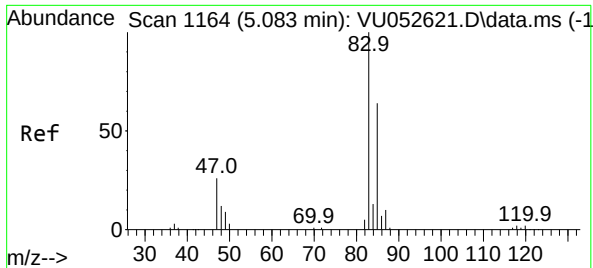
128 100

49 208.9 152.3 282.9

130 120.0 89.2 165.8

51 70.4 55.3 82.9

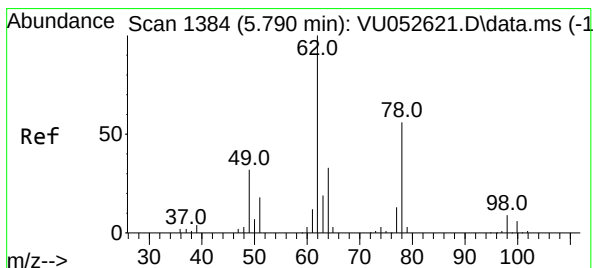
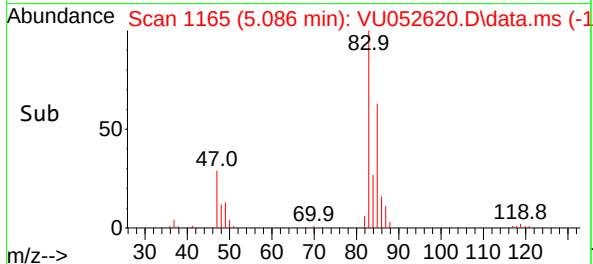
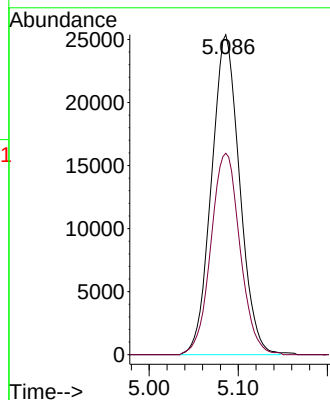
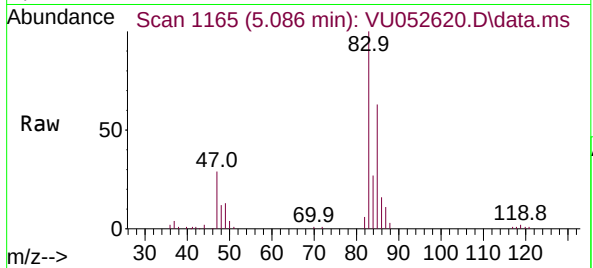




#25
Chloroform
Concen: 13.147 ug/L
RT: 5.086 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

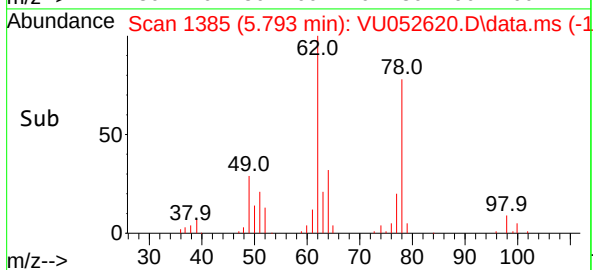
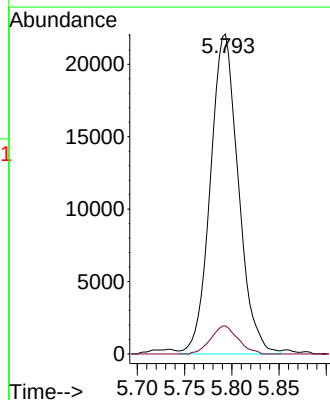
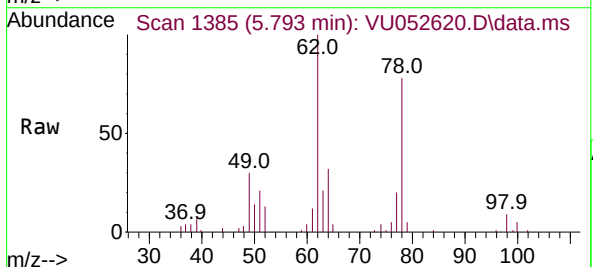
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

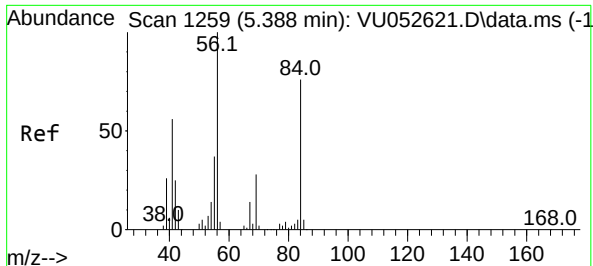
Tgt Ion: 83 Resp: 55715
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 13.853 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 62 Resp: 45539
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 12.004 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

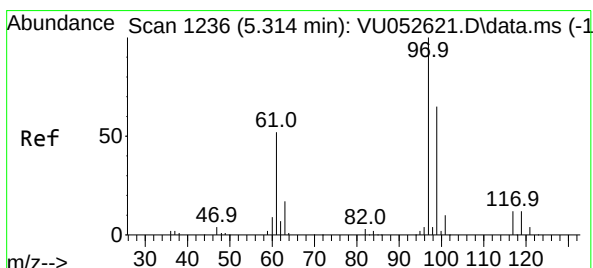
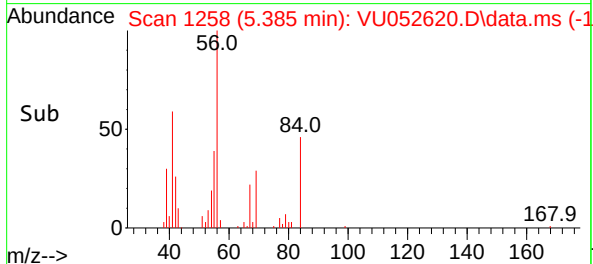
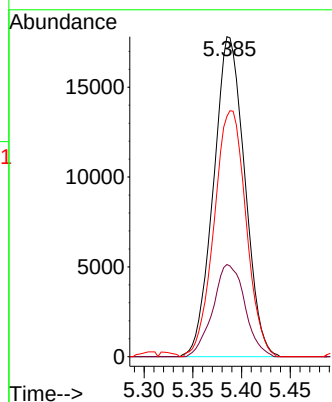
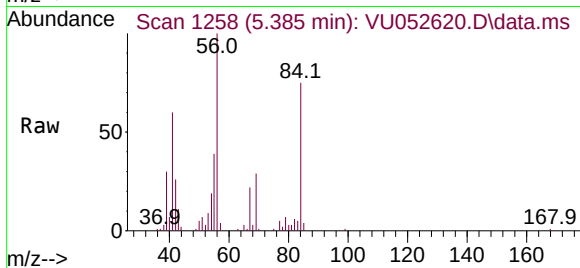
Tgt Ion: 56 Resp: 39713

Ion Ratio Lower Upper

56 100

69 29.5 22.5 33.7

84 78.6 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 11.595 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

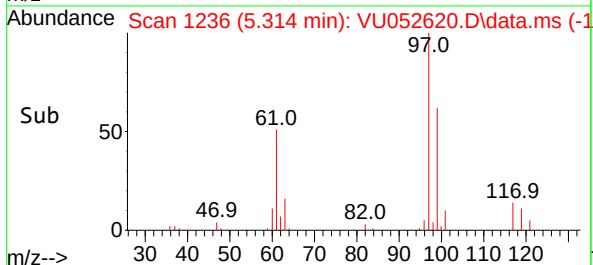
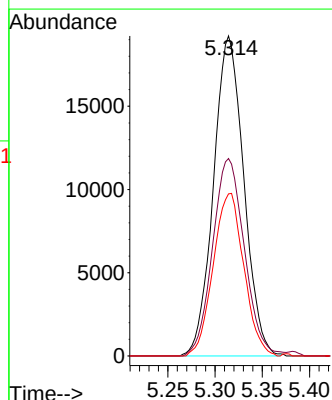
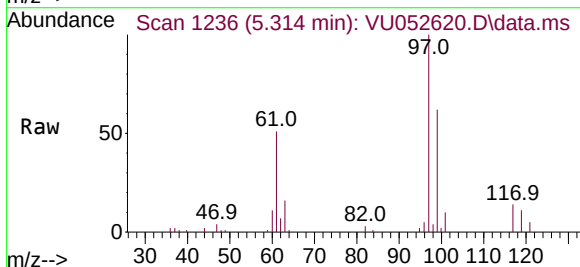
Tgt Ion: 97 Resp: 42896

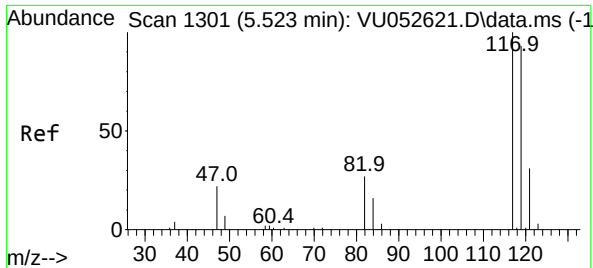
Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 51.3 41.2 61.8

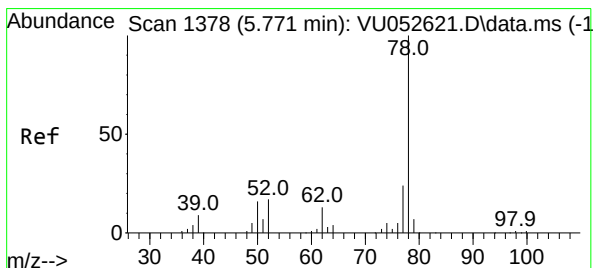
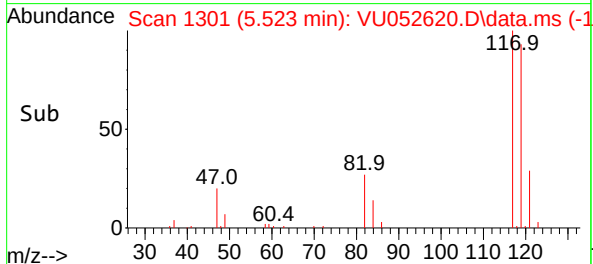
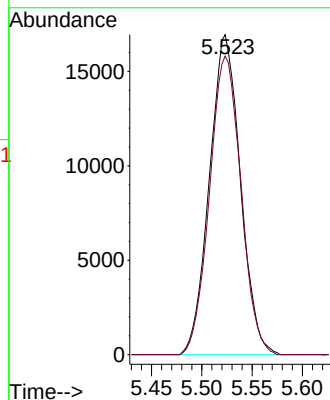
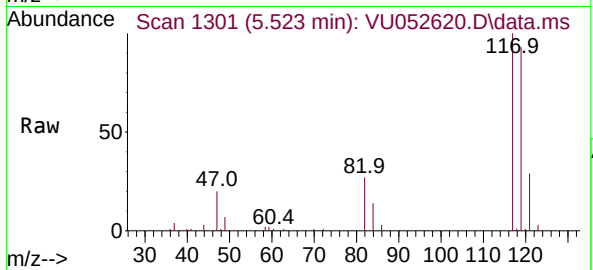




#31
Carbon tetrachloride
Concen: 11.388 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

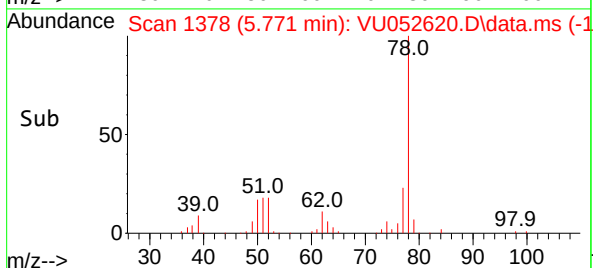
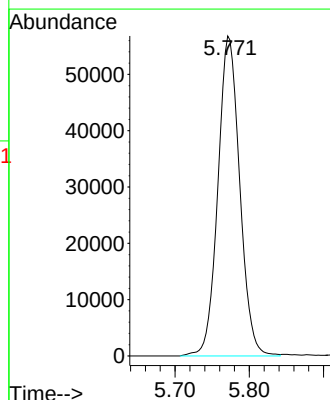
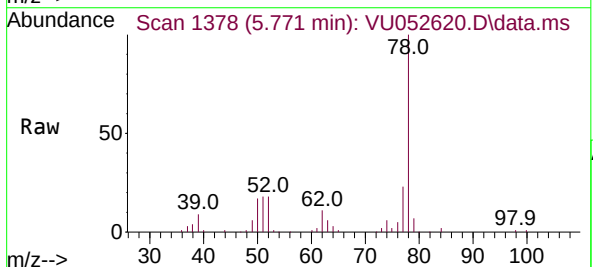
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

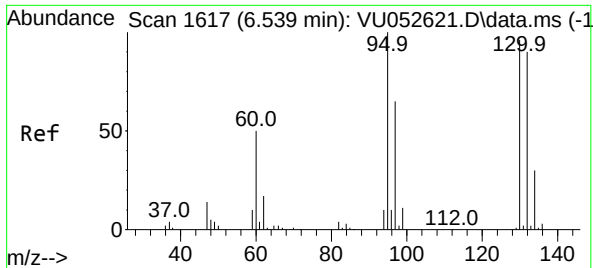
Tgt Ion:117 Resp: 36200
Ion Ratio Lower Upper
117 100
119 94.7 76.0 114.0



#33
Benzene
Concen: 12.580 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 78 Resp: 116231

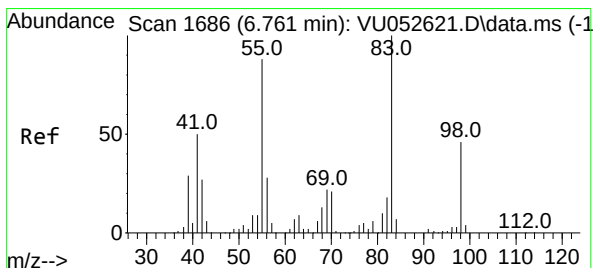
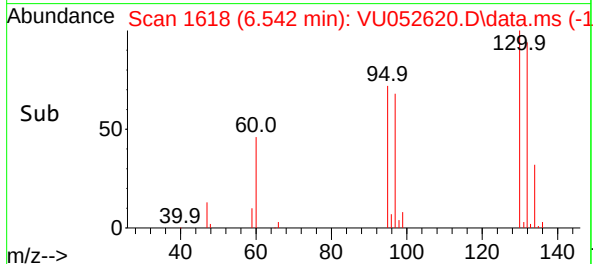
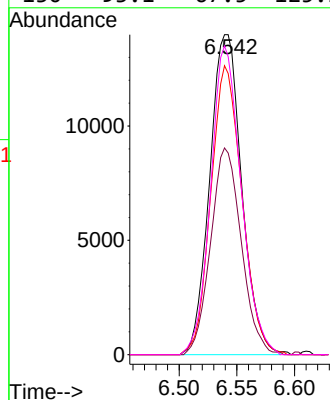
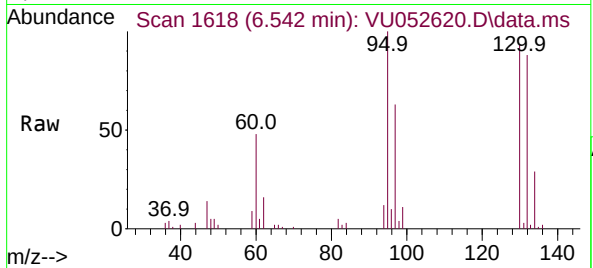




#34
Trichloroethene
Concen: 11.440 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

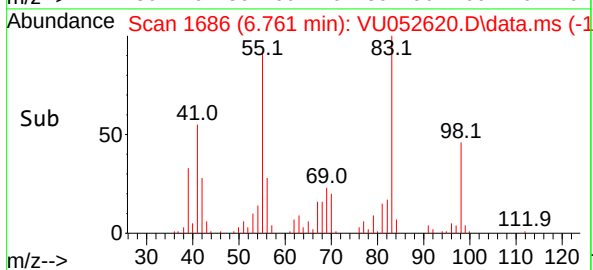
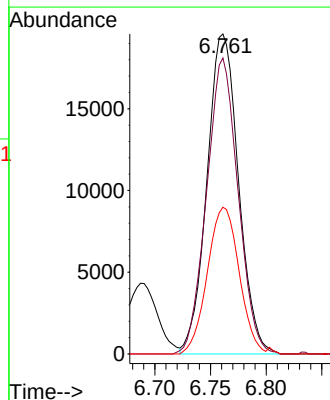
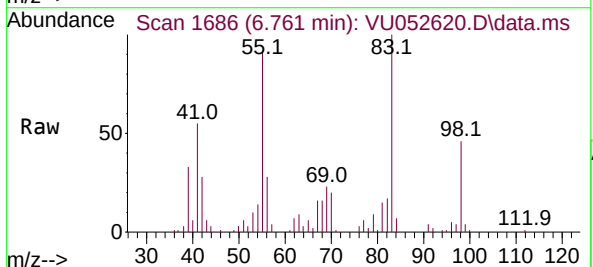
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

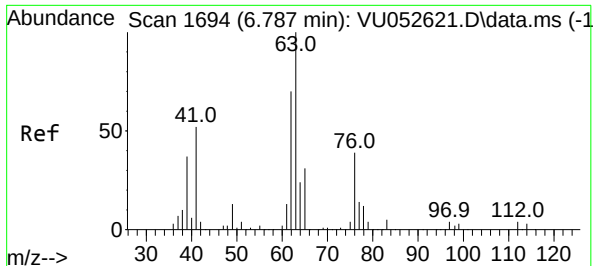
Tgt Ion: 95 Resp: 26978
Ion Ratio Lower Upper
95 100
97 63.0 45.7 84.9
132 87.8 62.6 116.3
130 93.1 67.5 125.3



#35
Methylcyclohexane
Concen: 10.609 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 83 Resp: 38619
Ion Ratio Lower Upper
83 100
55 92.0 71.0 106.4
98 46.1 37.0 55.6





#37

1,2-Dichloropropane

Concen: 14.382 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

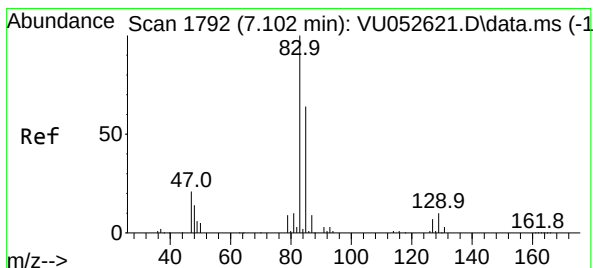
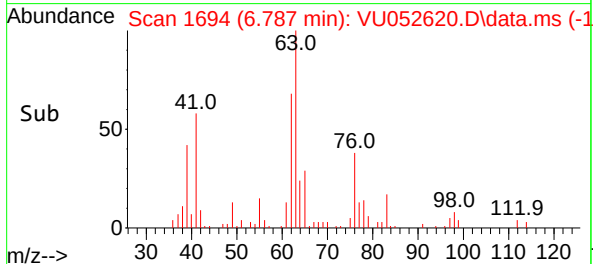
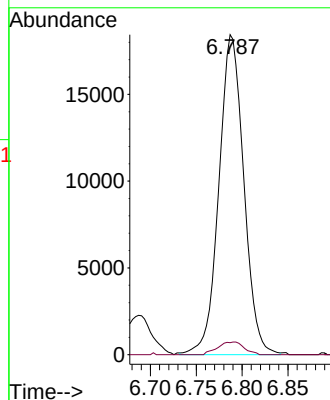
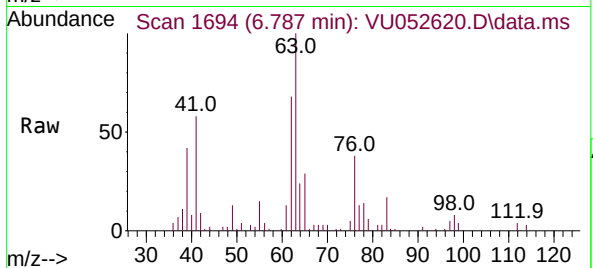
VSTD010062

Tgt Ion: 63 Resp: 34854

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 12.833 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

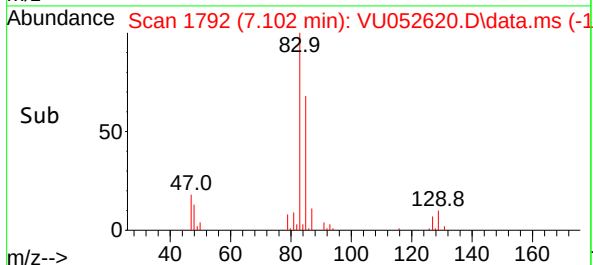
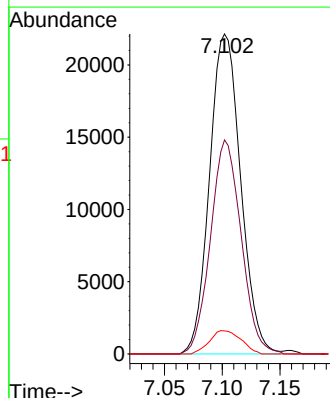
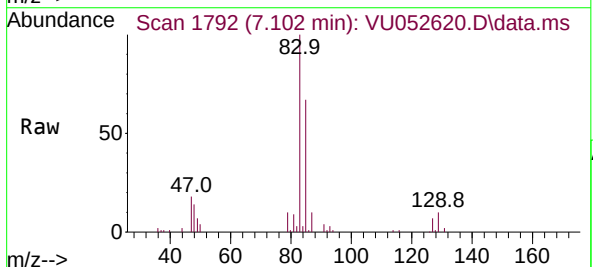
Tgt Ion: 83 Resp: 41560

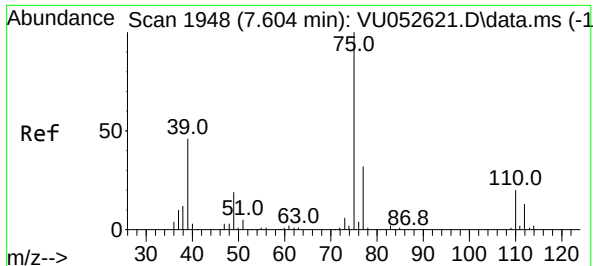
Ion Ratio Lower Upper

83 100

85 66.9 44.7 82.9

127 7.2 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 11.308 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

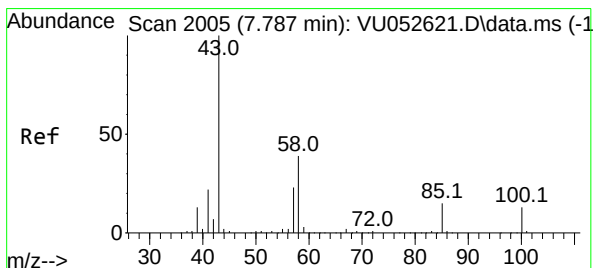
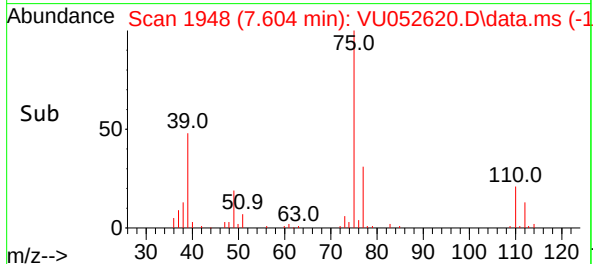
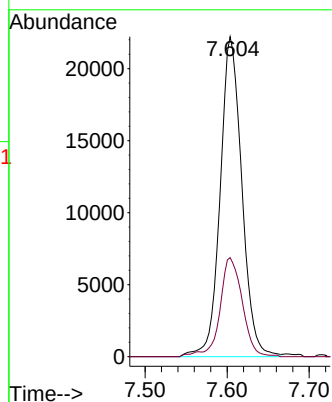
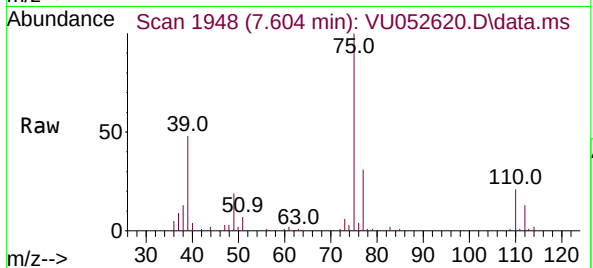
VSTD010062

Tgt Ion: 75 Resp: 40833

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 24.169 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

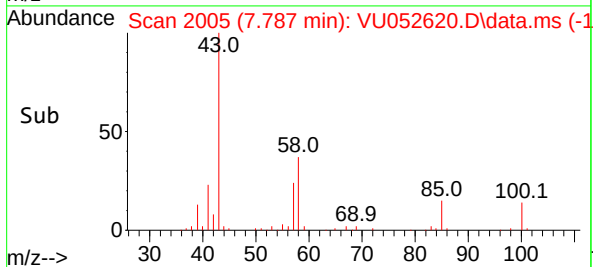
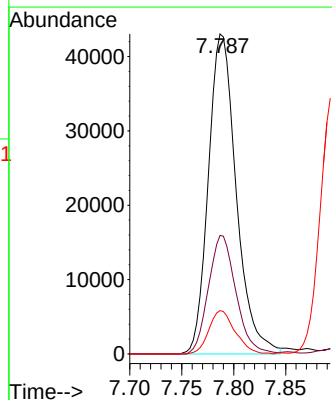
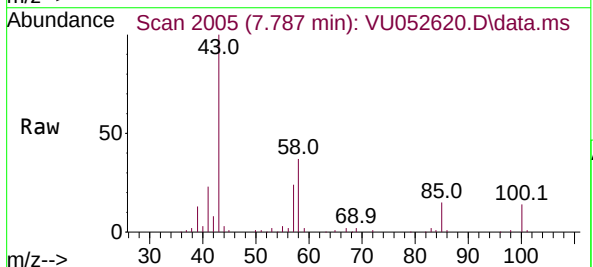
Tgt Ion: 43 Resp: 80490

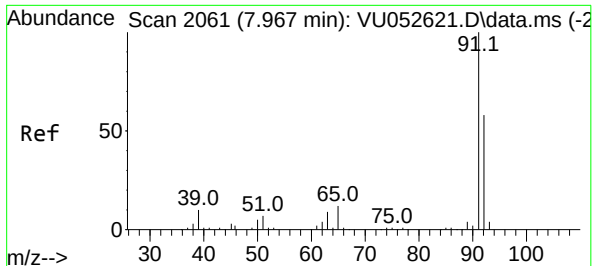
Ion Ratio Lower Upper

43 100

58 36.4 30.4 45.6

100 12.7 9.9 14.9





#42

Toluene

Concen: 11.530 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

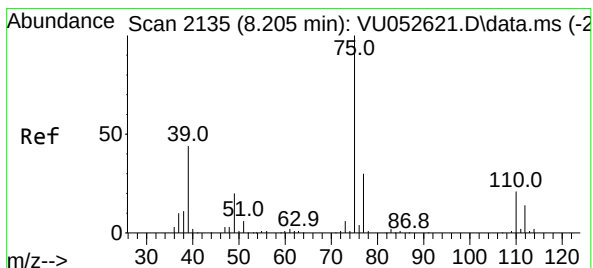
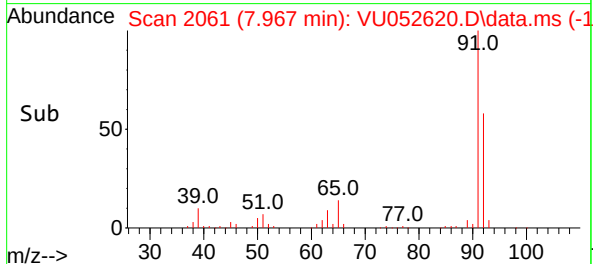
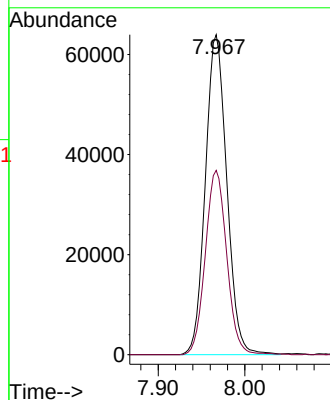
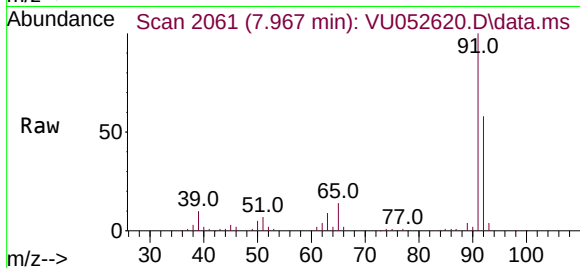
VSTD010062

Tgt Ion: 91 Resp: 110010

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 11.421 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052620.D

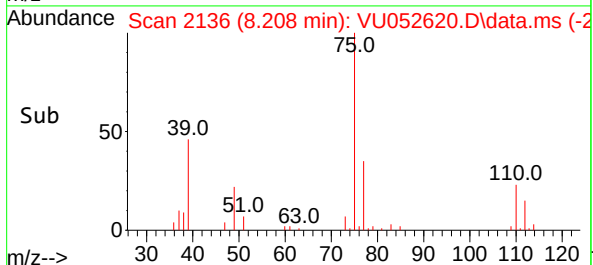
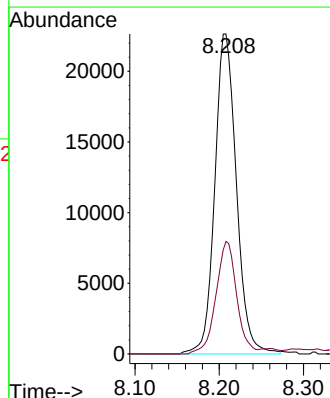
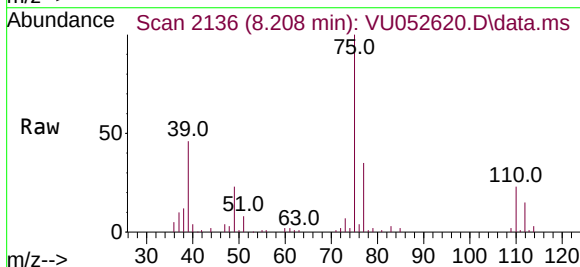
Acq: 06 Jan 2023 11:14

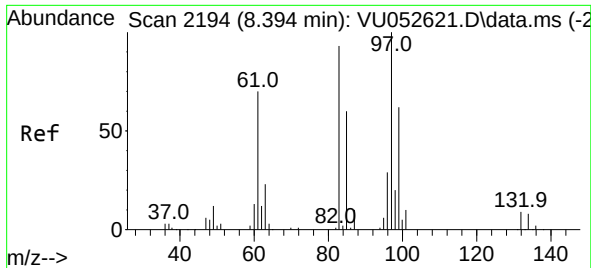
Tgt Ion: 75 Resp: 40251

Ion Ratio Lower Upper

75 100

77 35.1 21.3 39.5

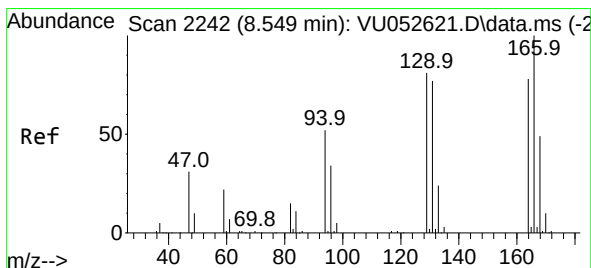
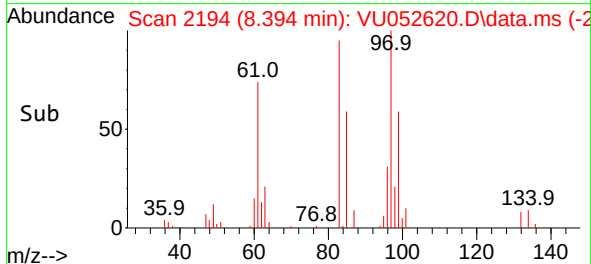
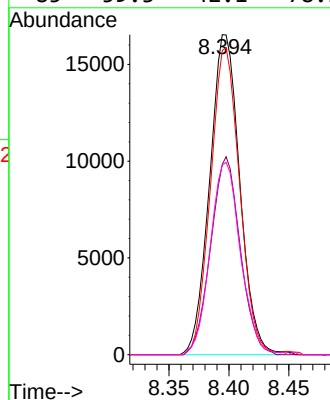
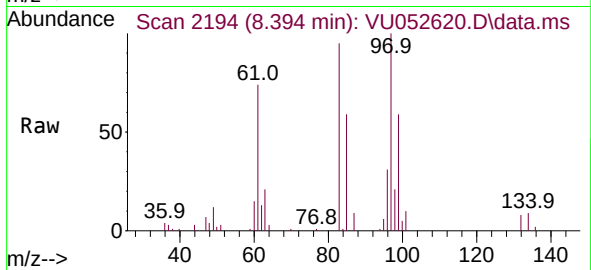




#45
1,1,2-Trichloroethane
Concen: 12.136 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

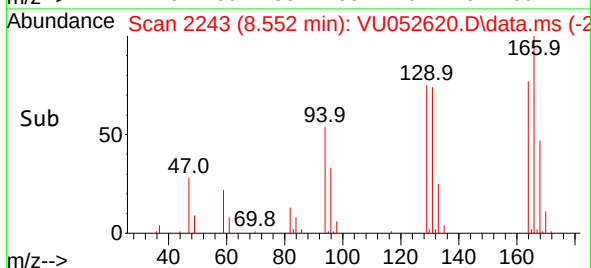
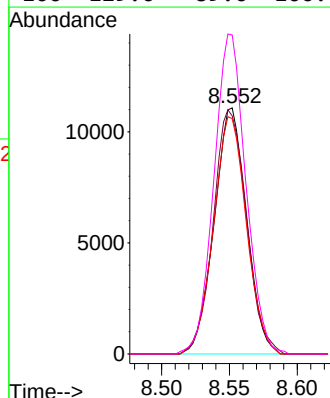
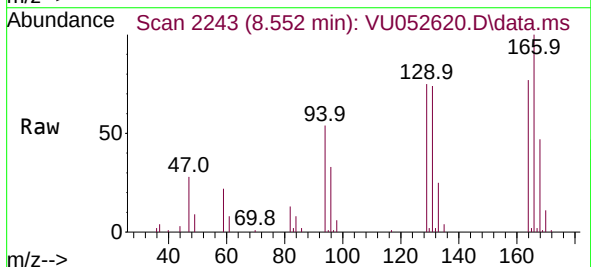
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

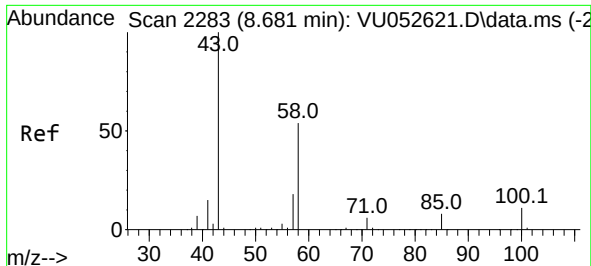
Tgt Ion: 97	Resp: 28859
Ion Ratio	Lower Upper
97 100	
99 59.5	43.3 80.3
83 95.1	65.2 121.0
85 59.3	42.1 78.1



#46
Tetrachloroethene
Concen: 10.432 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt	Ion:164	Resp:	18363
Ion	Ratio	Lower	Upper
164	100		
129	96.7	72.7	134.9
131	95.6	69.2	128.4
166	129.6	89.6	166.4

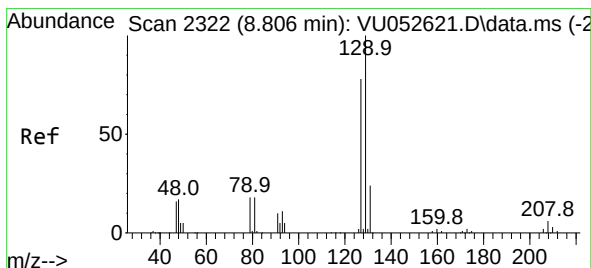
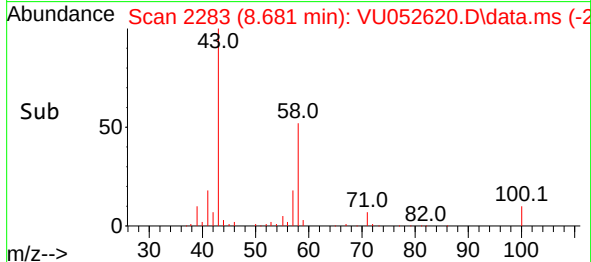
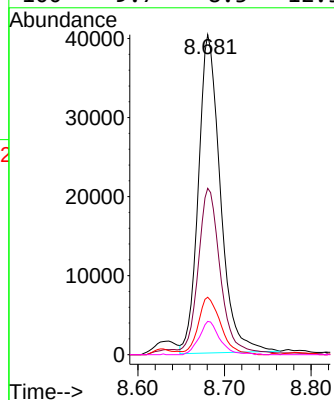
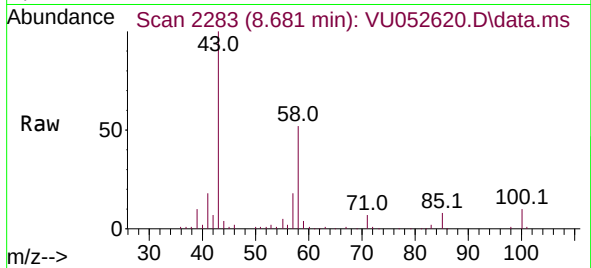




#48
2-Hexanone
Concen: 25.348 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

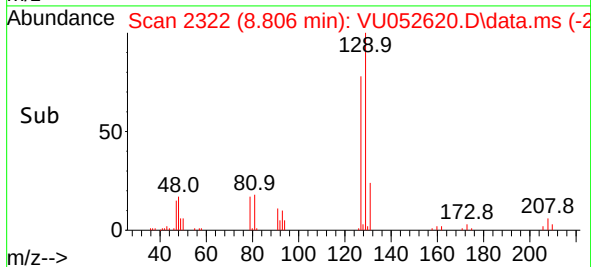
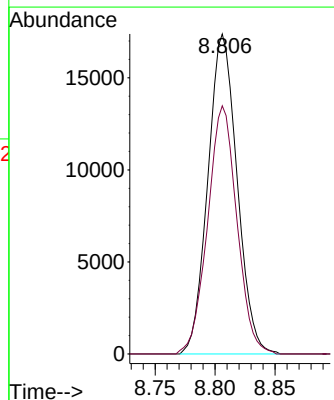
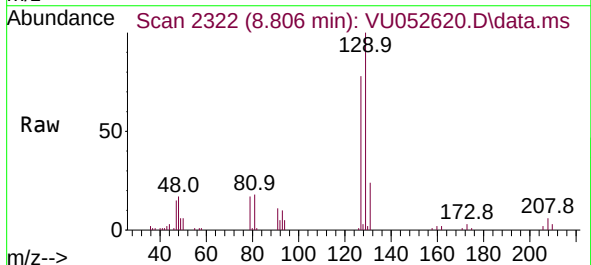
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

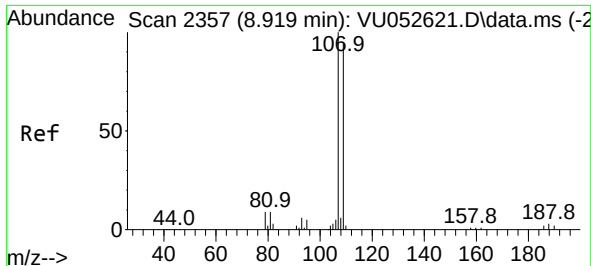
Tgt Ion: 43	Resp: 70994
Ion Ratio	Lower Upper
43 100	
58 52.0	42.6 63.8
57 18.5	14.2 21.4
100 9.7	8.3 12.5



#49
Dibromochloromethane
Concen: 11.372 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion:129	Resp:	29471	
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.5	101.3





#50

1,2-Dibromoethane

Concen: 11.719 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

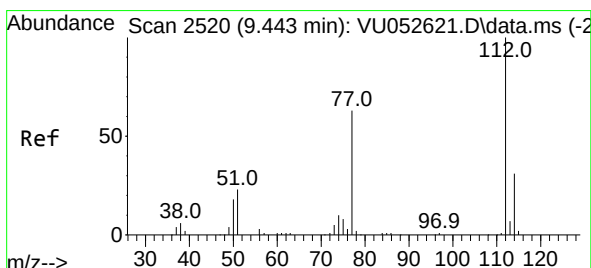
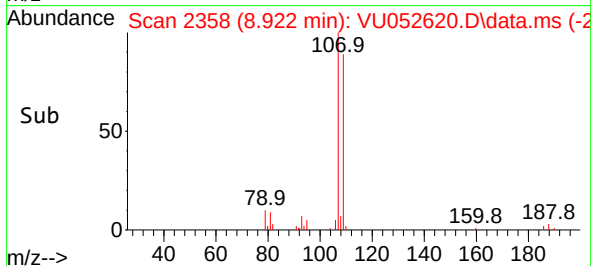
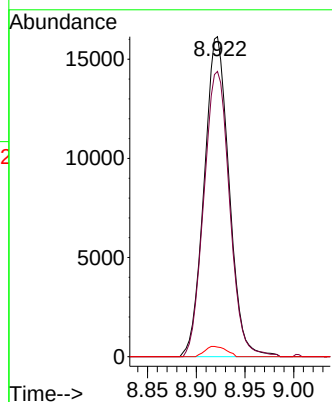
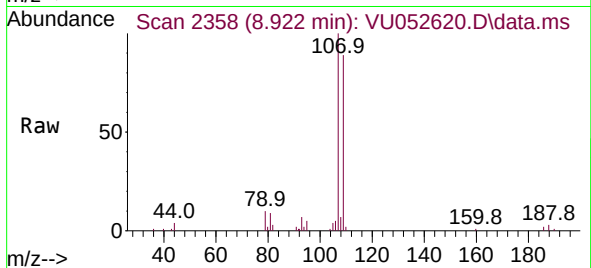
Tgt Ion:107 Resp: 28764

Ion Ratio Lower Upper

107 100

109 89.2 65.9 122.5

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 11.383 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

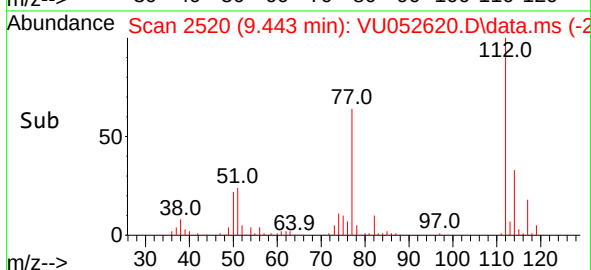
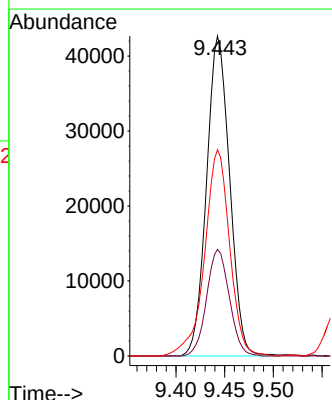
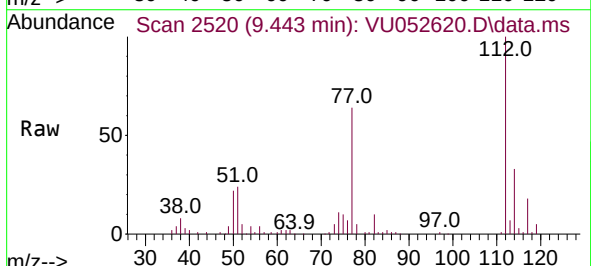
Tgt Ion:112 Resp: 70422

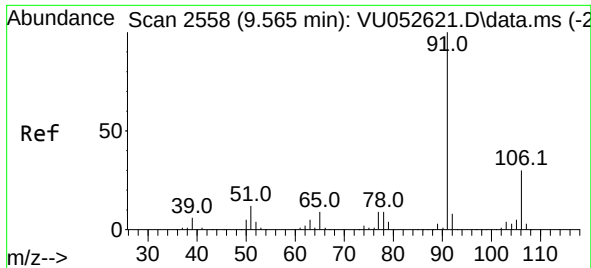
Ion Ratio Lower Upper

112 100

114 33.3 21.6 40.0

77 64.5 50.8 76.2

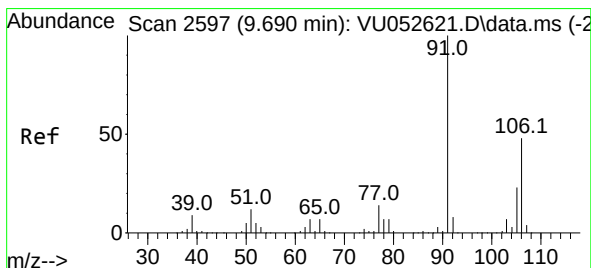
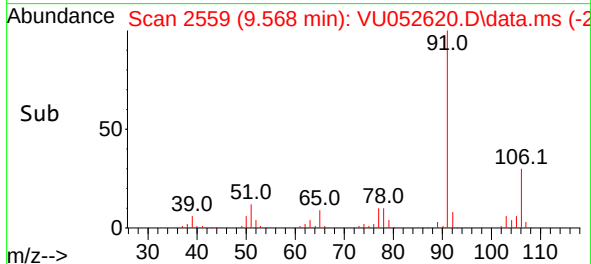
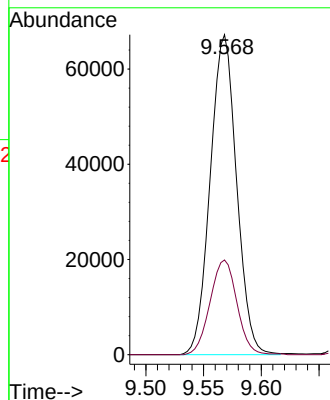
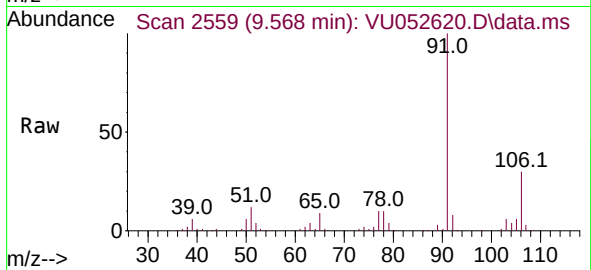




#52
Ethylbenzene
Concen: 10.599 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

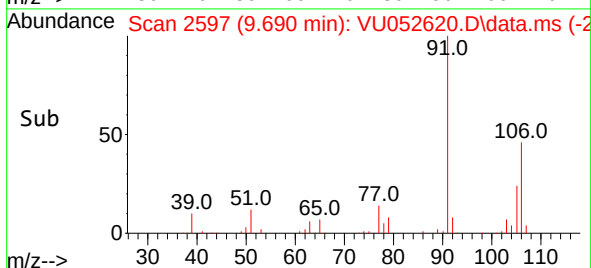
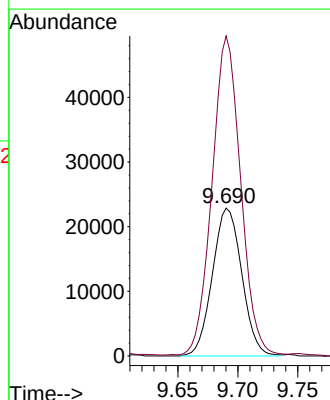
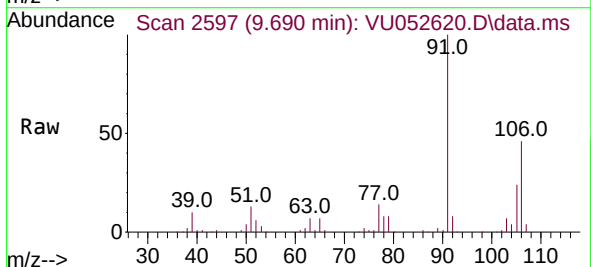
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

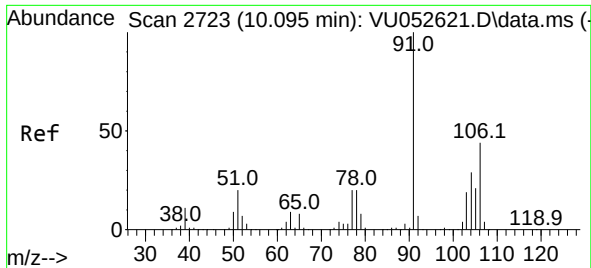
Tgt Ion: 91 Resp: 106745
Ion Ratio Lower Upper
91 100
106 29.6 20.7 38.5



#53
m,p-Xylene
Concen: 10.046 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion:106 Resp: 38936
Ion Ratio Lower Upper
106 100
91 216.6 144.6 268.6

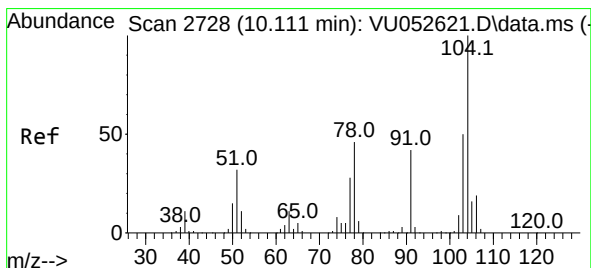
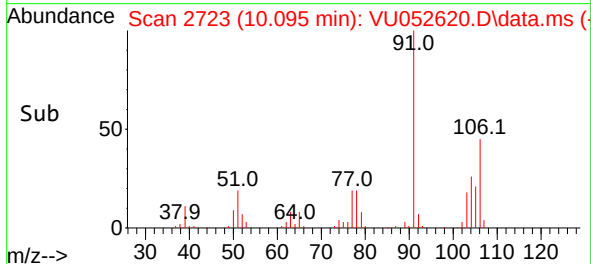
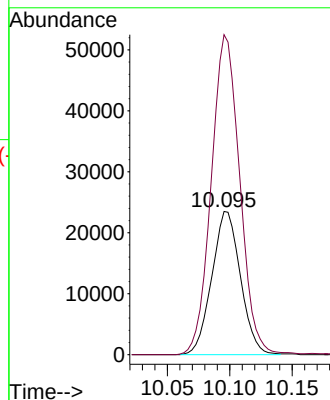
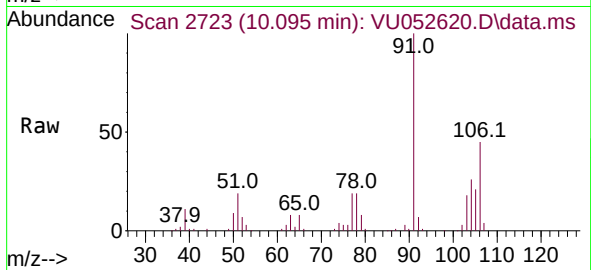




#54
o-xylene
Concen: 10.153 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

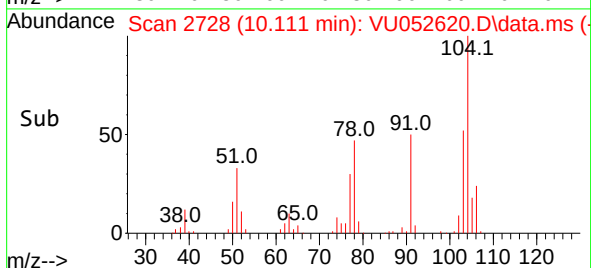
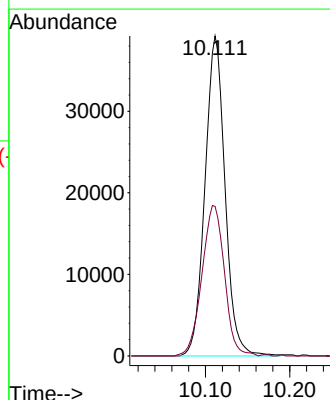
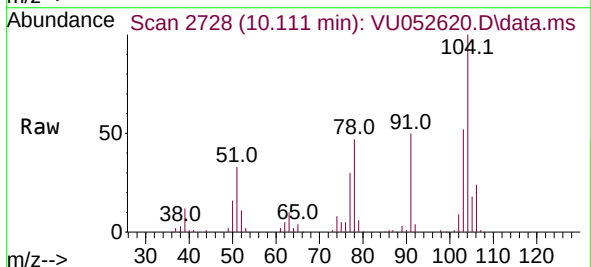
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

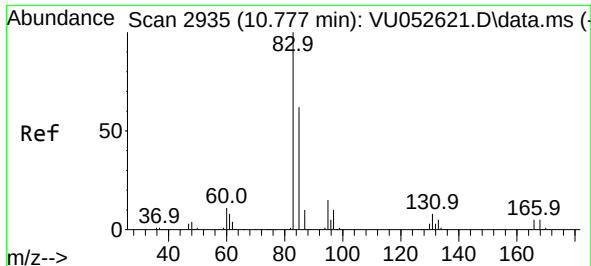
Tgt Ion:106 Resp: 37567
Ion Ratio Lower Upper
106 100
91 223.5 158.3 294.1



#55
Styrene
Concen: 9.935 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion:104 Resp: 64997
Ion Ratio Lower Upper
104 100
78 46.8 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 12.346 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

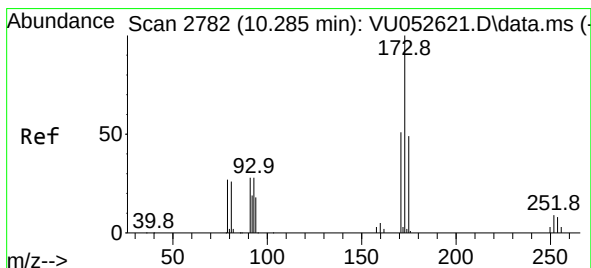
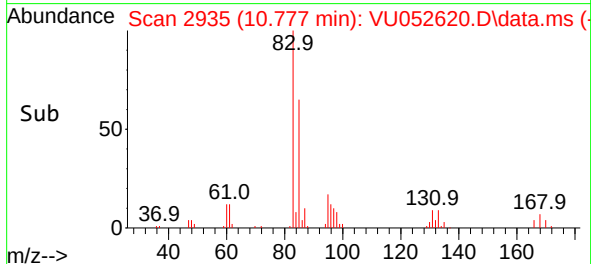
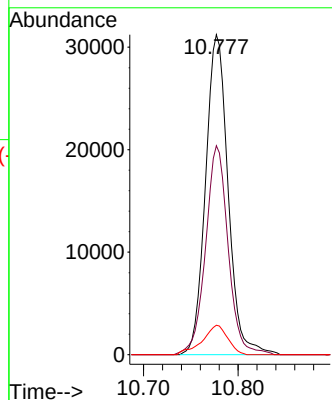
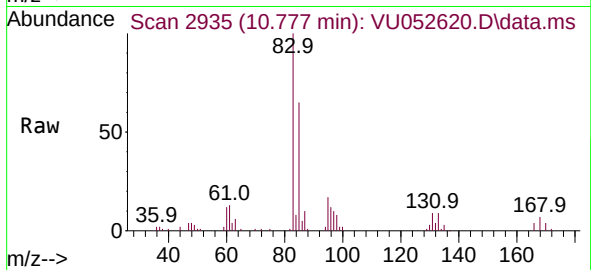
Tgt Ion: 83 Resp: 51748

Ion Ratio Lower Upper

83 100

85 65.3 44.0 81.6

131 9.2 7.0 10.4



#59

Bromoform

Concen: 10.574 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

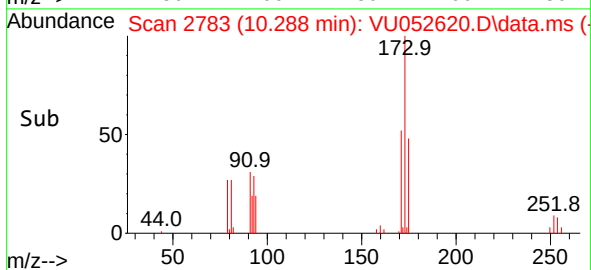
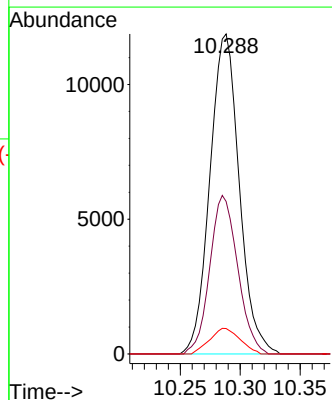
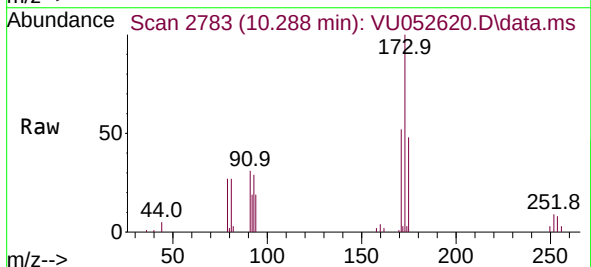
Tgt Ion:173 Resp: 20201

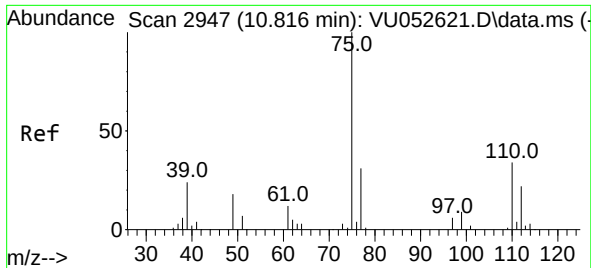
Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.0

254 8.3 7.0 10.6

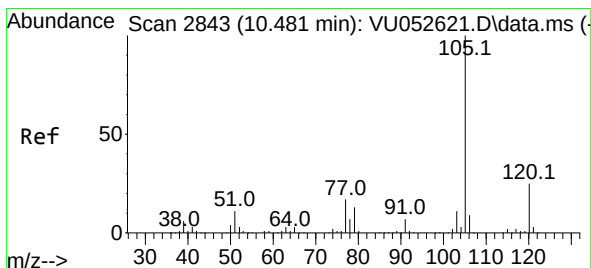
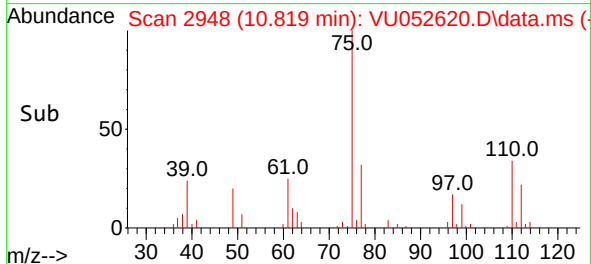
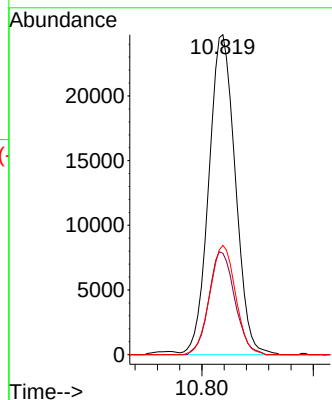
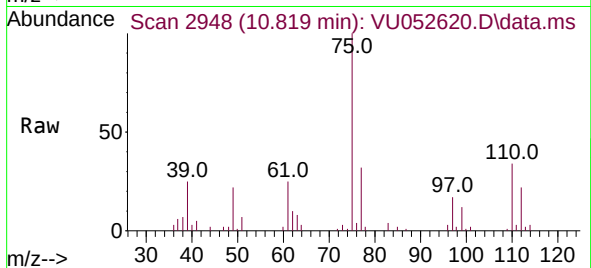




#60
1,2,3-Trichloropropane
Concen: 12.063 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

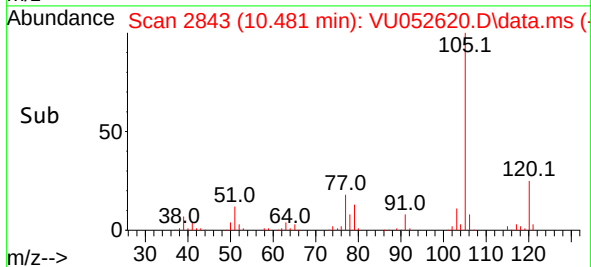
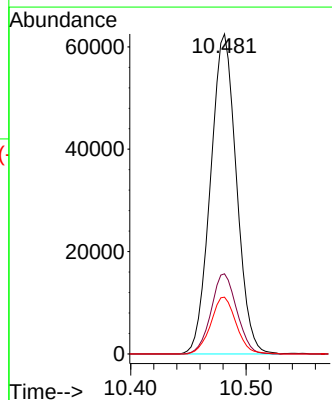
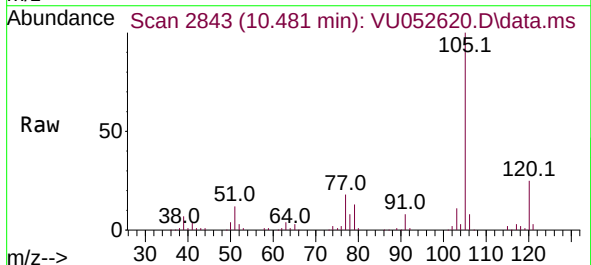
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

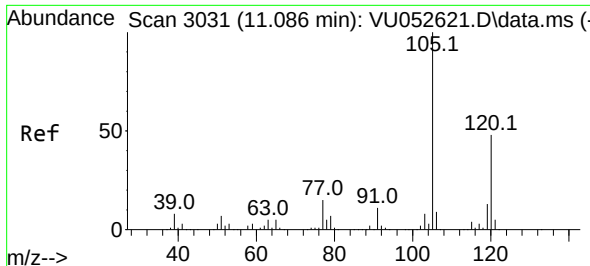
Tgt Ion: 75	Resp: 40862
Ion Ratio	Lower Upper
75	100
77	31.4 25.3 37.9
110	33.2 27.3 40.9



#61
Isopropylbenzene
Concen: 10.097 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion: 105	Resp: 97420
Ion Ratio	Lower Upper
105	100
120	24.8 19.8 29.8
77	17.4 13.8 20.6

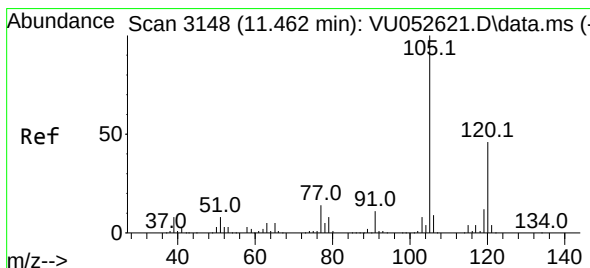
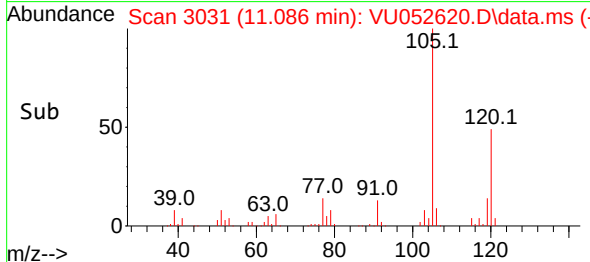
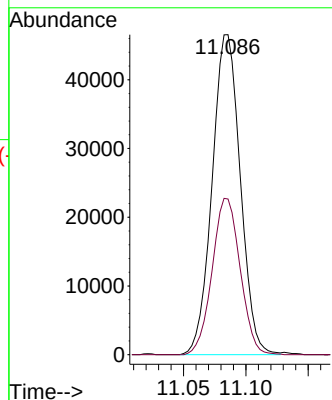
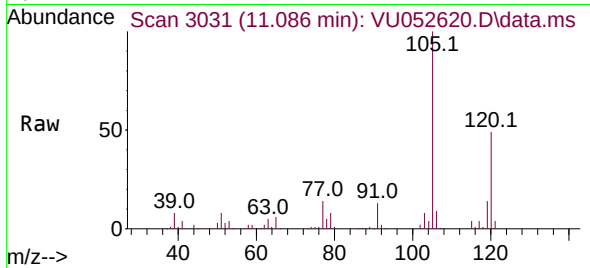




#62
1,3,5-Trimethylbenzene
Concen: 9.108 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

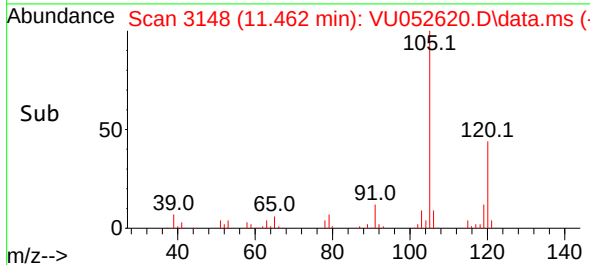
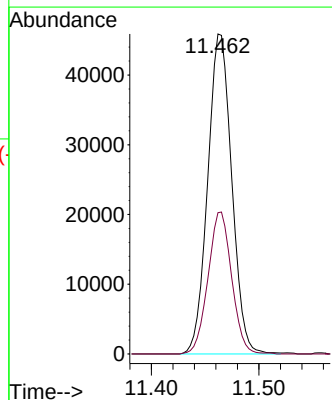
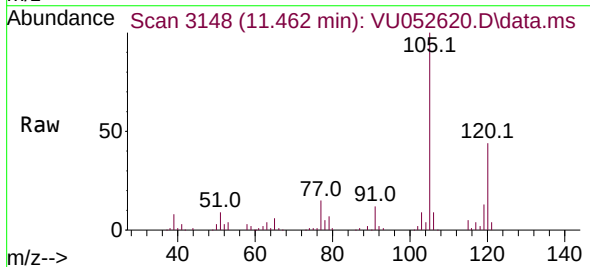
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

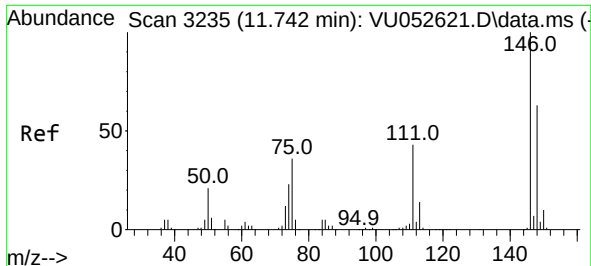
Tgt Ion:105 Resp: 73257
Ion Ratio Lower Upper
105 100
120 48.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 8.886 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

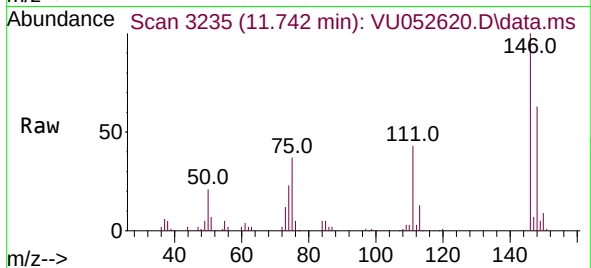
Tgt Ion:105 Resp: 71241
Ion Ratio Lower Upper
105 100
120 43.5 36.1 54.1



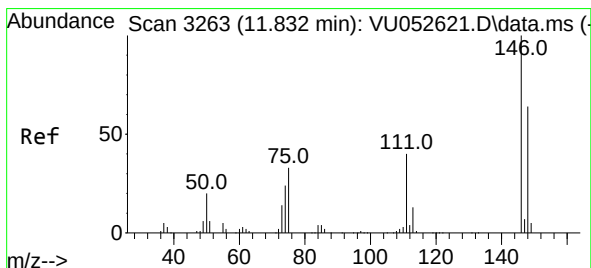
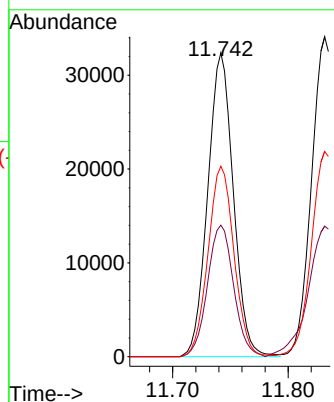
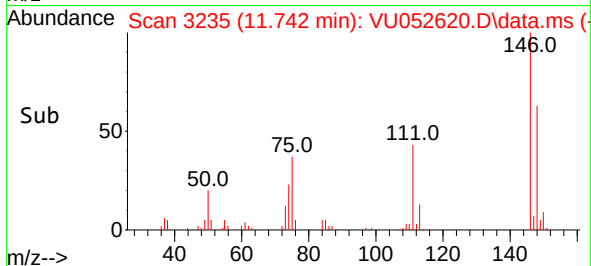


#64
1,3-Dichlorobenzene
Concen: 10.262 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

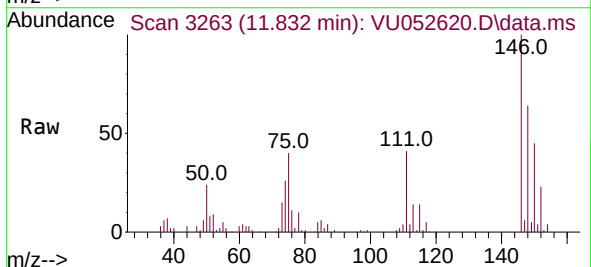
Instrument :
MSVOA_U
ClientSampleId :
VSTD010062



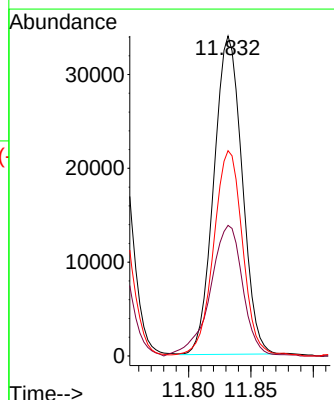
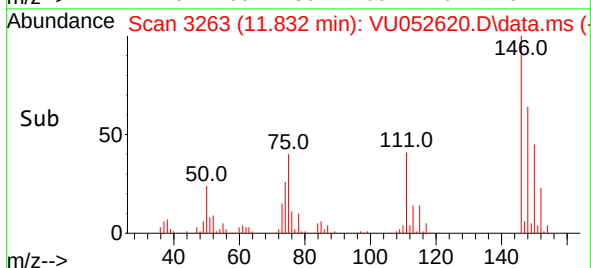
Tgt Ion:146 Resp: 49806
Ion Ratio Lower Upper
146 100
111 43.3 29.8 55.3
148 62.7 44.4 82.4

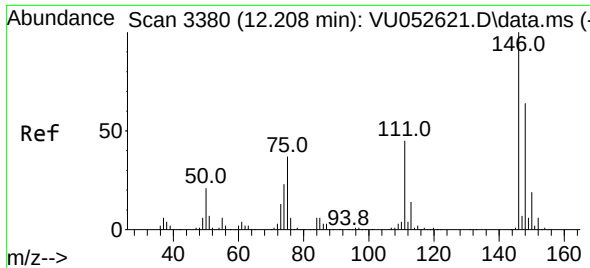


#65
1,4-Dichlorobenzene
Concen: 10.577 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14



Tgt Ion:146 Resp: 53510
Ion Ratio Lower Upper
146 100
111 40.8 28.6 53.0
148 64.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 10.582 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010062

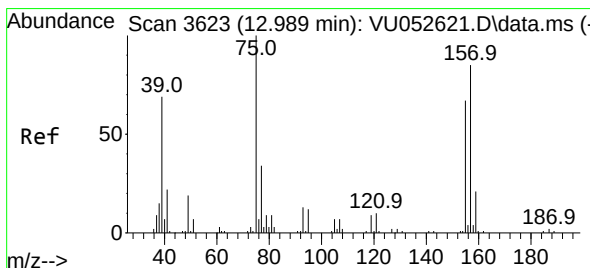
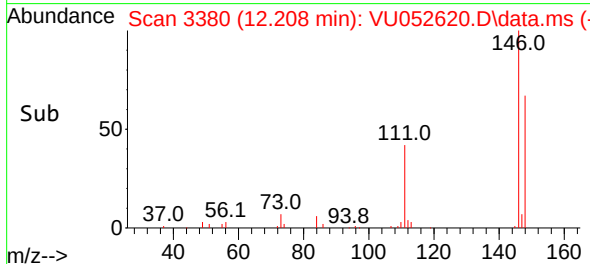
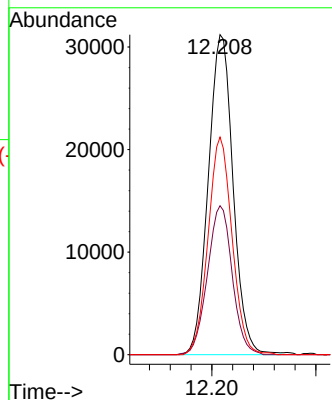
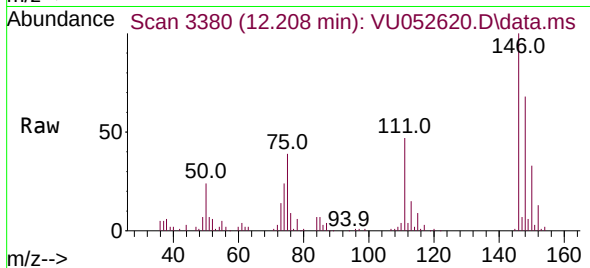
Tgt Ion:146 Resp: 51687

Ion Ratio Lower Upper

146 100

111 46.5 35.7 53.5

148 68.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 10.701 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU052620.D

Acq: 06 Jan 2023 11:14

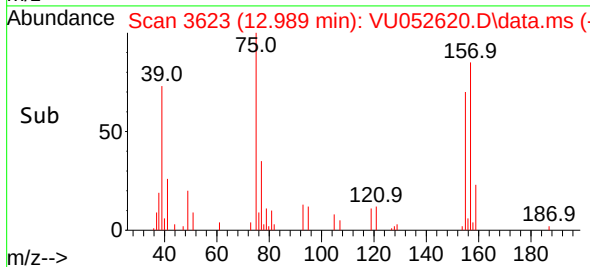
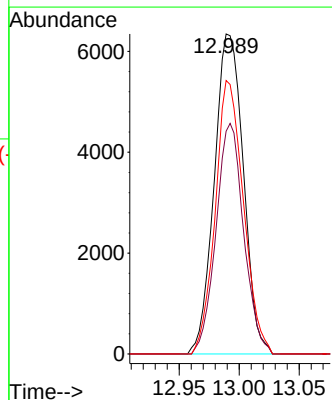
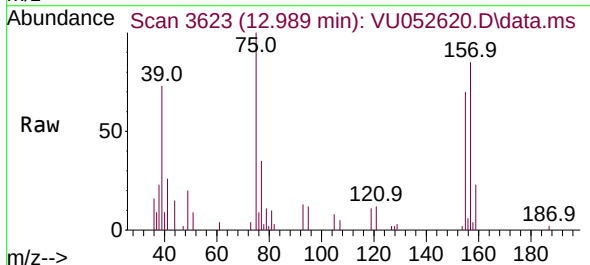
Tgt Ion: 75 Resp: 10690

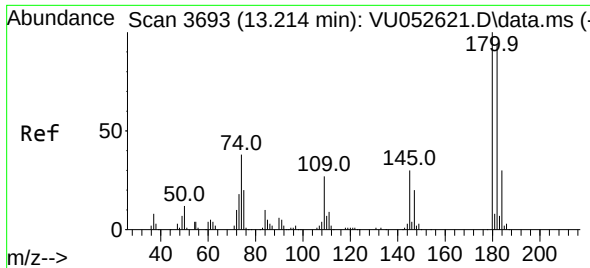
Ion Ratio Lower Upper

75 100

155 69.6 53.5 80.3

157 89.2 68.4 102.6

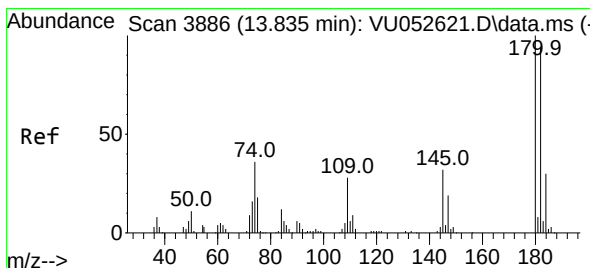
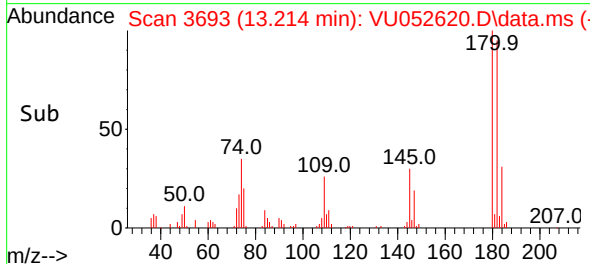
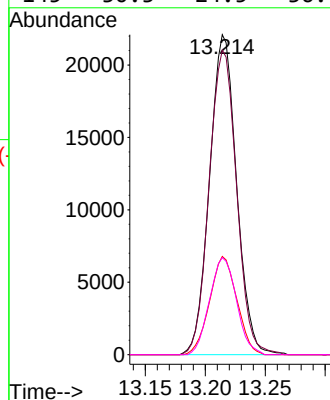
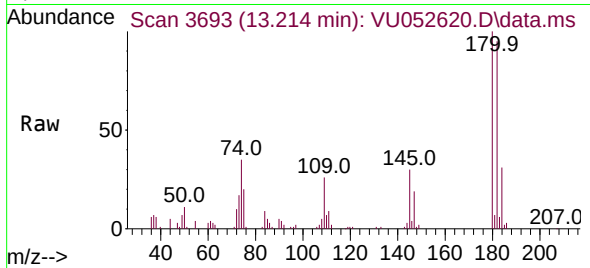




#69
 1,3,5-Trichlorobenzene
 Concen: 9.409 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052620.D
 Acq: 06 Jan 2023 11:14

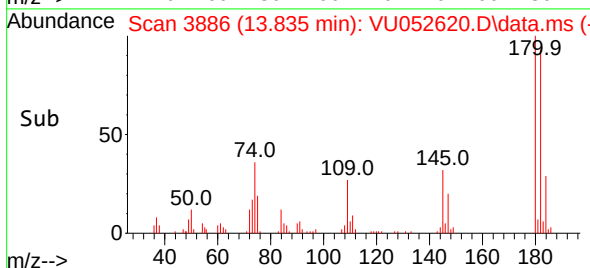
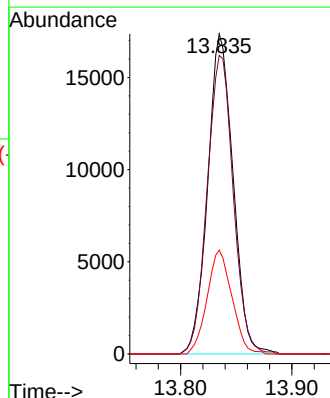
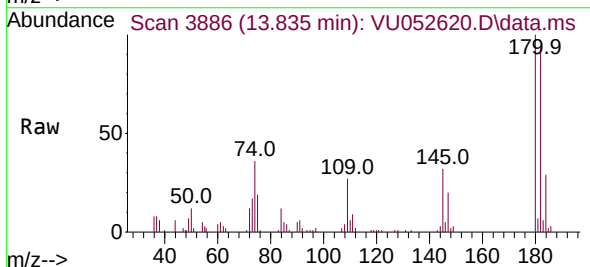
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010062

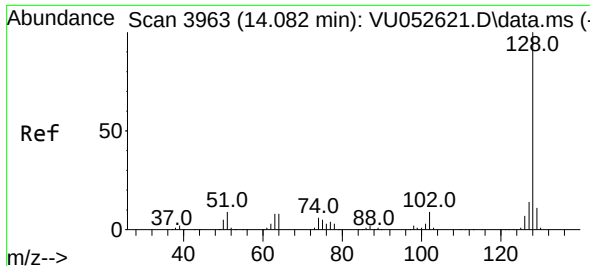
Tgt Ion:	180	Resp:	34546
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.9	113.9
184	30.9	23.8	35.8
145	30.3	24.5	36.7



#70
 1,2,4-trichlorobenzene
 Concen: 8.856 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052620.D
 Acq: 06 Jan 2023 11:14

Tgt Ion:	180	Resp:	27480
Ion Ratio	Lower	Upper	
180	100		
182	95.5	75.4	113.0
145	31.6	25.0	37.6

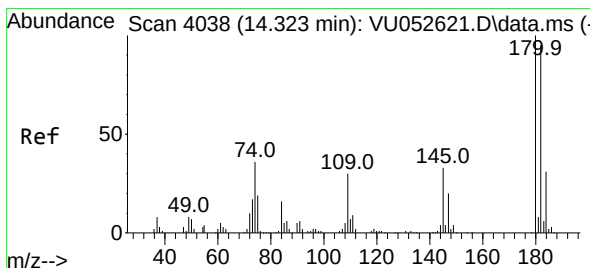
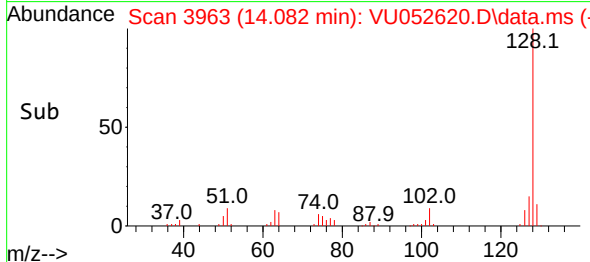
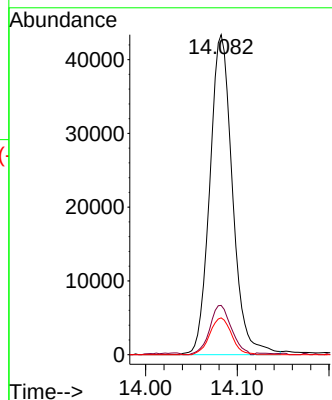
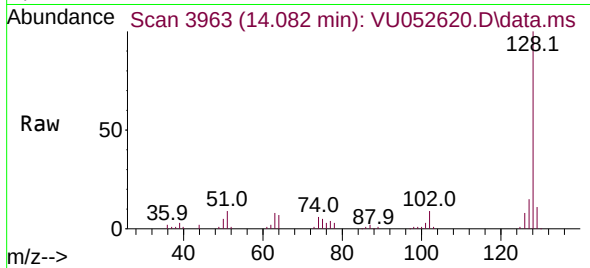




#71
Naphthalene
Concen: 7.533 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD010062

Tgt Ion:128 Resp: 74544
Ion Ratio Lower Upper
128 100
127 14.7 10.8 16.2
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 9.158 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052620.D
Acq: 06 Jan 2023 11:14

Tgt Ion:180 Resp: 28831
Ion Ratio Lower Upper
180 100
182 95.1 76.4 114.6
145 32.0 27.0 40.4

