

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052619.D
 Acq On : 06 Jan 2023 10:49
 Operator : JC/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005061

Quant Time: Jan 07 00:19:39 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	293289	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	292673	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	148660	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	17994	6.759	ug/L	0.00
7) Chloroethane-d5	1.916	69	14536	7.259	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	29397	6.595	ug/L	0.00
21) 2-Butanone-d5	4.629	46	19654	10.382	ug/L	0.00
24) Chloroform-d	5.064	84	28678	6.235	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	18788	6.398	ug/L	0.00
32) Benzene-d6	5.726	84	50200	5.447	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	18403	6.333	ug/L	0.00
41) Toluene-d8	7.896	98	39674	4.862	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	7273	5.342	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	9238	6.590	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	23837	5.488	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	14985	5.015	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	15031	5.842	ug/L	100
3) Chloromethane	1.520	50	20784	8.295	ug/L	100
5) Vinyl chloride	1.607	62	18405	7.294	ug/L	100
6) Bromomethane	1.858	94	8941	5.864	ug/L	98
8) Chloroethane	1.935	64	12375	7.958	ug/L	93
9) Trichlorofluoromethane	2.141	101	20688	5.788	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	12557	6.184	ug/L	94
12) 1,1-Dichloroethene	2.584	96	11599	6.104	ug/L	81
13) Acetone	2.630	43	26933	15.205	ug/L	98
14) Carbon disulfide	2.793	76	35811	6.296	ug/L	100
15) Methyl Acetate	2.948	43	17704	7.515	ug/L	99
16) Methylene chloride	3.047	84	16382	6.858	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	11308	5.683	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	34083	5.707	ug/L	98
19) 1,1-Dichloroethane	3.867	63	28074	7.420	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	12327	5.769	ug/L	97
22) 2-Butanone	4.707	43	24660	12.099	ug/L #	70
23) Bromochloromethane	4.970	128	6750	5.949	ug/L	95
25) Chloroform	5.086	83	26086	6.484	ug/L	98
27) 1,2-Dichloroethane	5.790	62	21802	6.986	ug/L	99
29) Cyclohexane	5.388	56	17876	5.753	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	21094	6.070	ug/L	98
31) Carbon tetrachloride	5.523	117	17022	5.701	ug/L	99
33) Benzene	5.771	78	53274	6.139	ug/L	100
34) Trichloroethene	6.543	95	12455	5.623	ug/L	99
35) Methylcyclohexane	6.764	83	16571	4.846	ug/L	99
37) 1,2-Dichloropropane	6.790	63	16209	7.120	ug/L	98
38) Bromodichloromethane	7.102	83	20108	6.610	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	18801	5.543	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	34705	11.094	ug/L	99
42) Toluene	7.967	91	47088	5.254	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	17439	5.268	ug/L	93

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 ClientSampleId :
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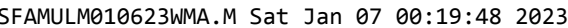
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 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:16:34 2023
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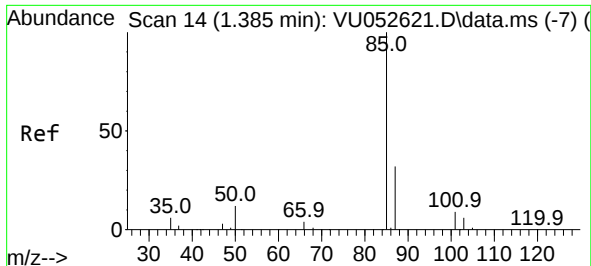
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.398	97	13373	5.987	ug/L	96
46) Tetrachloroethene	8.552	164	8513	5.149	ug/L	96
48) 2-Hexanone	8.684	43	27934	10.618	ug/L	97
49) Dibromochloromethane	8.806	129	13877	5.701	ug/L	98
50) 1,2-Dibromoethane	8.922	107	13033	5.653	ug/L #	93
51) Chlorobenzene	9.446	112	33318	5.734	ug/L	96
52) Ethylbenzene	9.568	91	46083	4.871	ug/L	97
53) m,p-Xylene	9.694	106	16540	4.543	ug/L	91
54) o-xylene	10.099	106	15101	4.345	ug/L	95
55) Styrene	10.112	104	26460	4.306	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	23741	6.030	ug/L	98
59) Bromoform	10.288	173	9594	5.624	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	19578	6.473	ug/L	98
61) Isopropylbenzene	10.481	105	40443	4.694	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	28971	4.034	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	28061	3.920	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	21724	5.012	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	24674	5.462	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	23374	5.359	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5180	5.807	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	15067	4.595	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	11905	4.297	ug/L	96
71) Naphthalene	14.086	128	29845	3.378	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	11771	4.187	ug/L	97

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

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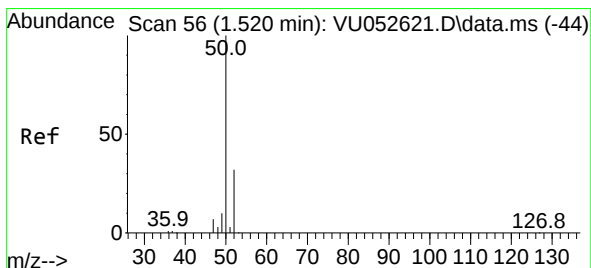
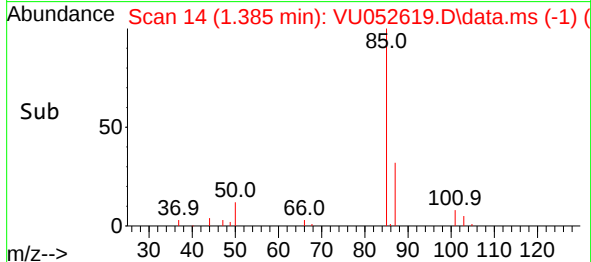
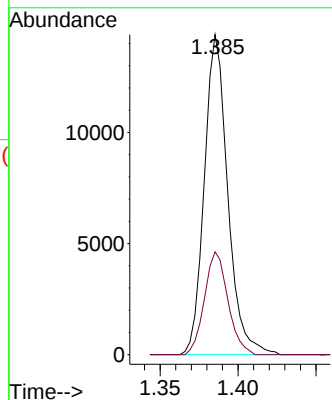
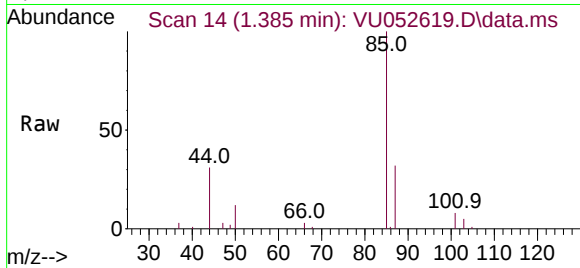




#2
Dichlorodifluoromethane
Concen: 5.842 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

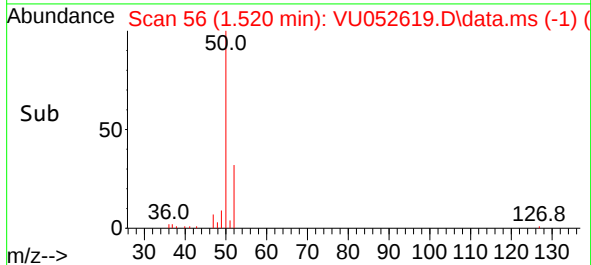
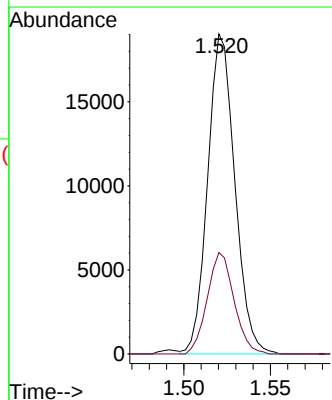
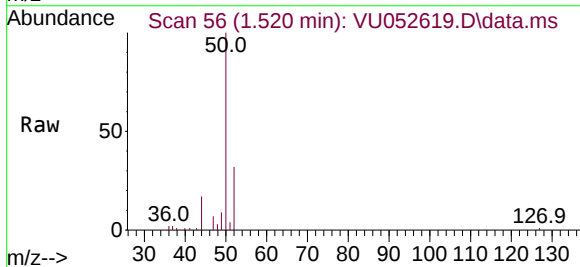
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

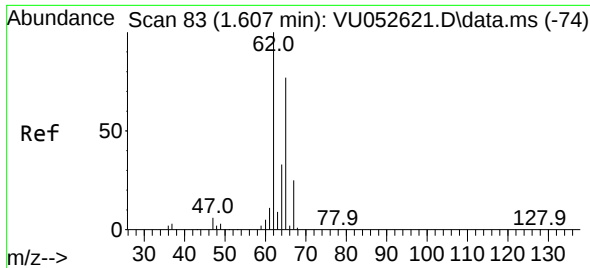
Tgt Ion: 85 Resp: 15031
Ion Ratio Lower Upper
85 100
87 32.1 25.5 38.3



#3
Chloromethane
Concen: 8.295 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 50 Resp: 20784
Ion Ratio Lower Upper
50 100
52 31.7 22.3 41.5

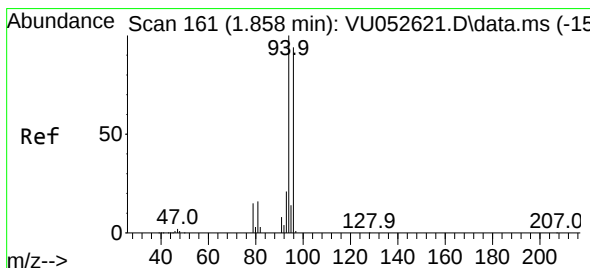
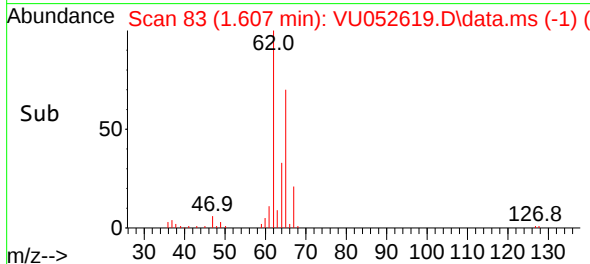
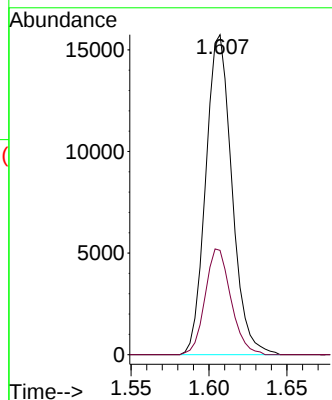
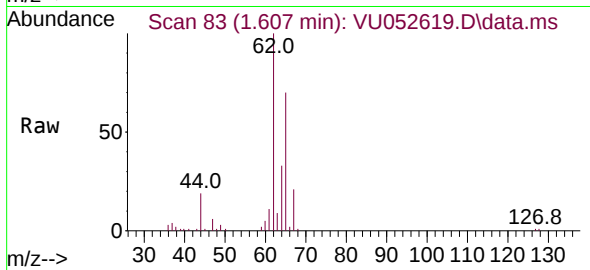




#5
 Vinyl chloride
 Concen: 7.294 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

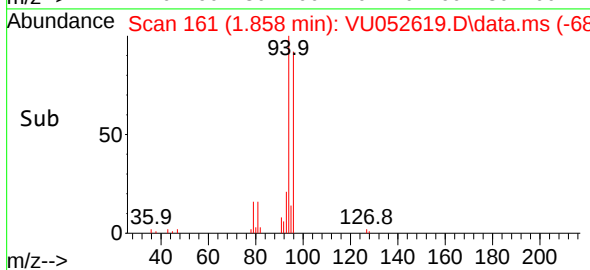
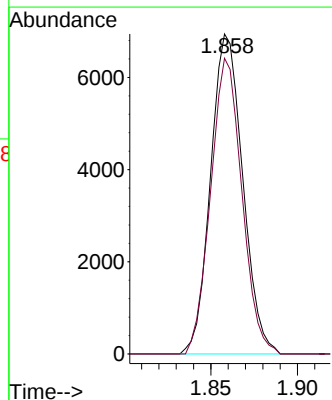
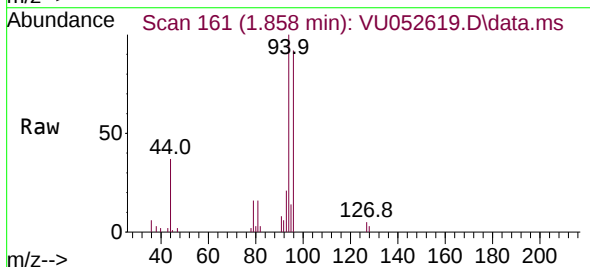
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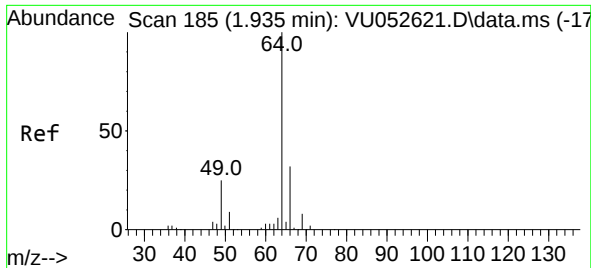
Tgt Ion: 62 Resp: 18405
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.0 42.6



#6
 Bromomethane
 Concen: 5.864 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

Tgt Ion: 94 Resp: 8941
 Ion Ratio Lower Upper
 94 100
 96 92.4 65.8 122.2

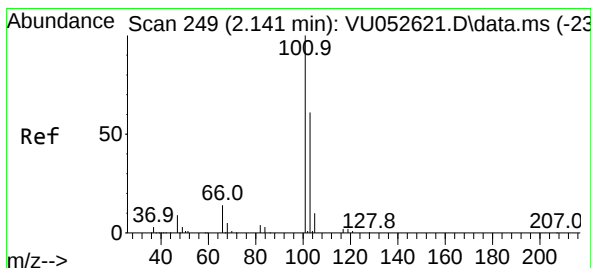
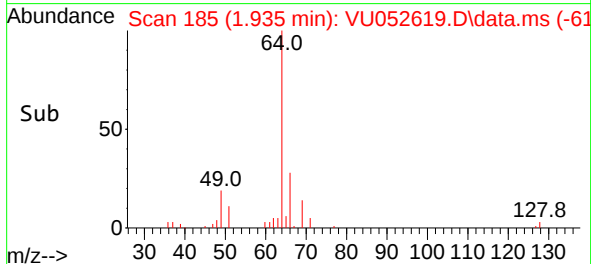
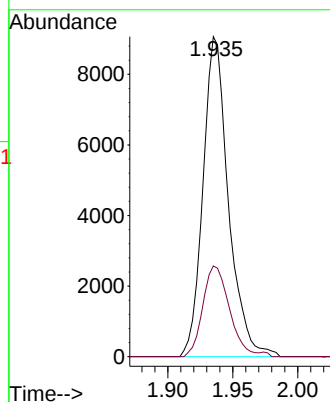
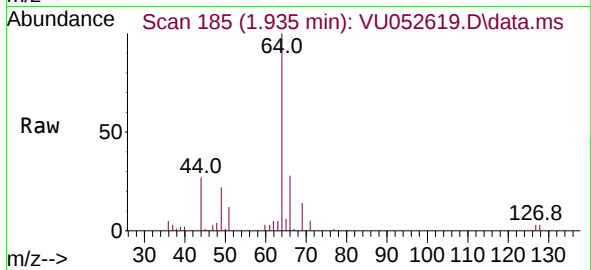




#8
Chloroethane
Concen: 7.958 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

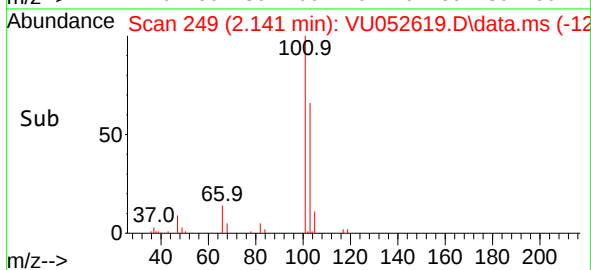
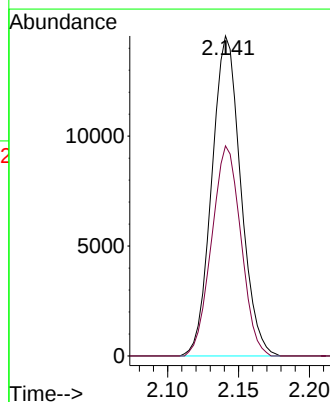
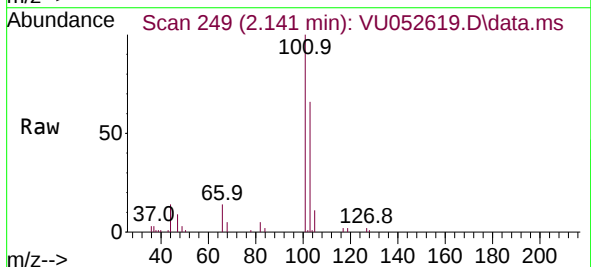
Instrument :
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ClientSampleId :
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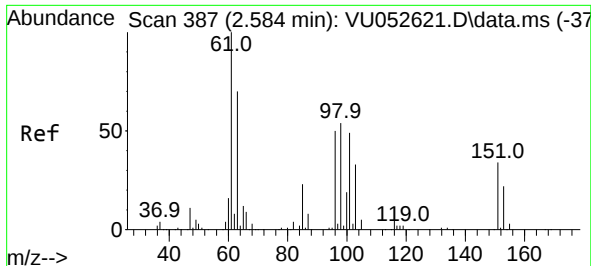
Tgt Ion: 64 Resp: 12375
Ion Ratio Lower Upper
64 100
66 28.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.788 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 101 Resp: 20688
Ion Ratio Lower Upper
101 100
103 66.3 50.2 75.2

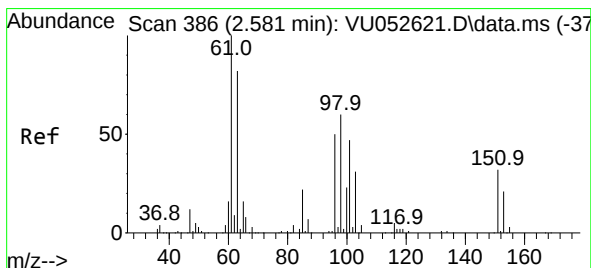
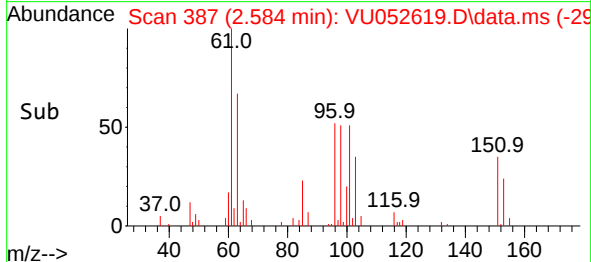
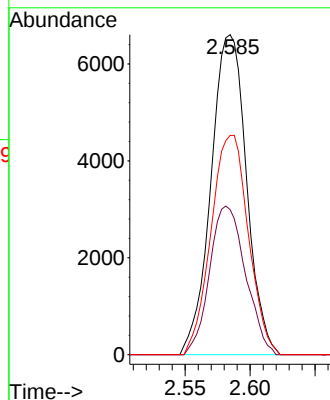
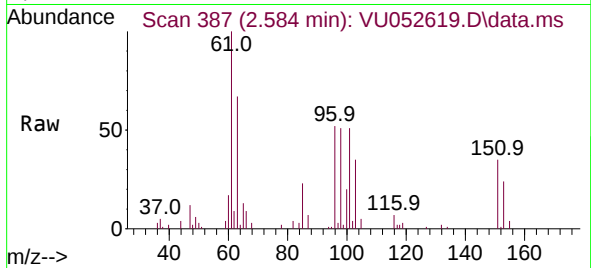




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.184 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

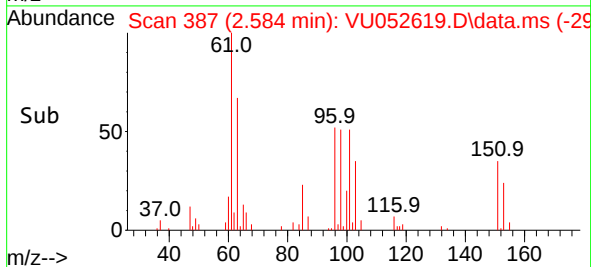
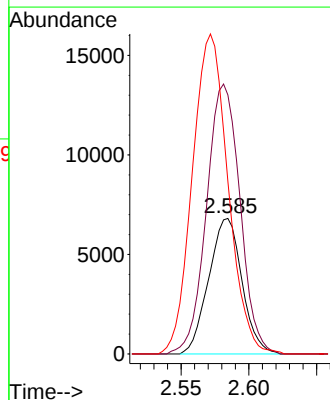
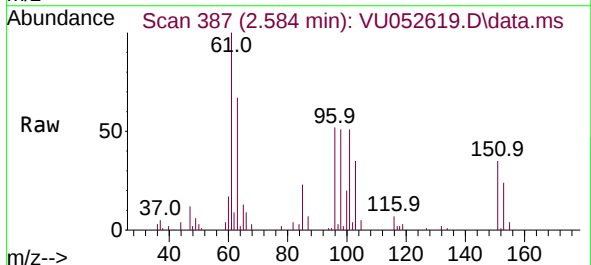
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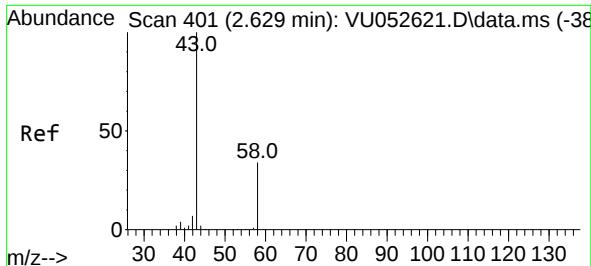
Tgt Ion:101 Resp: 12557
 Ion Ratio Lower Upper
 101 100
 85 47.0 35.8 53.6
 151 72.1 53.2 79.8



#12
 1,1-Dichloroethene
 Concen: 6.104 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

Tgt Ion: 96 Resp: 11599
 Ion Ratio Lower Upper
 96 100
 61 191.1 140.8 261.6
 63 127.4 122.6 227.6





#13

Acetone

Concen: 15.205 ug/L

RT: 2.630 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

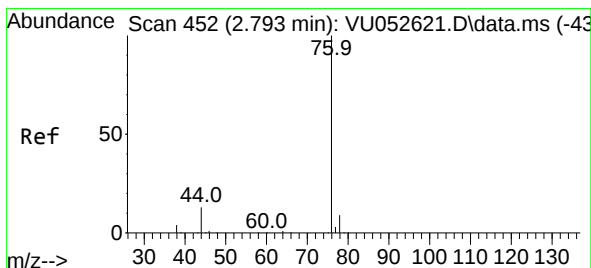
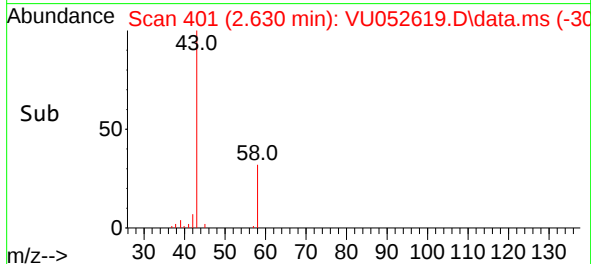
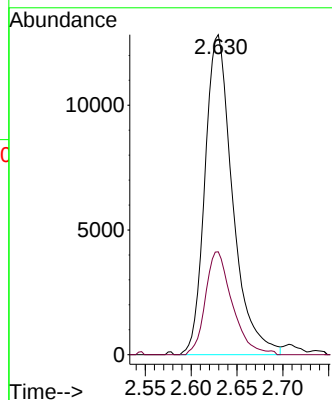
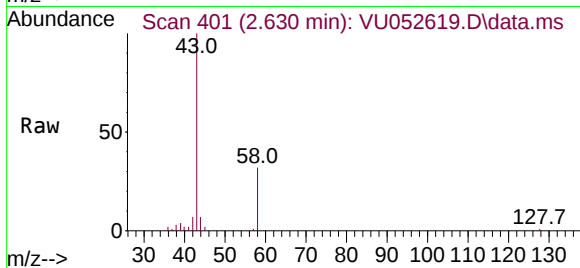
VSTD005061

Tgt Ion: 43 Resp: 26933

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.4



#14

Carbon disulfide

Concen: 6.296 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052619.D

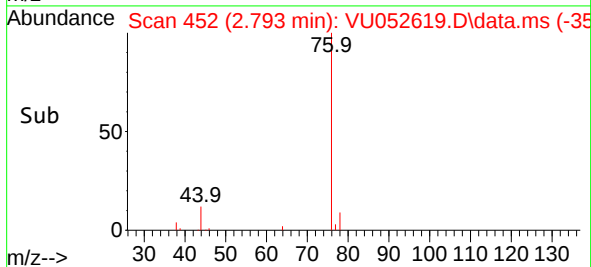
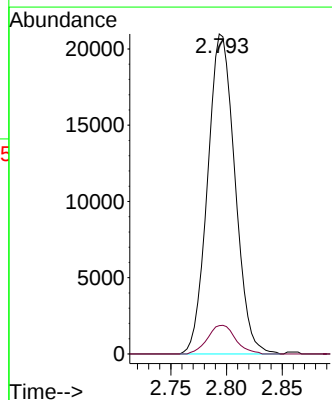
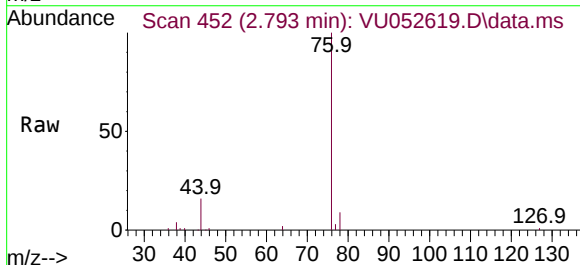
Acq: 06 Jan 2023 10:49

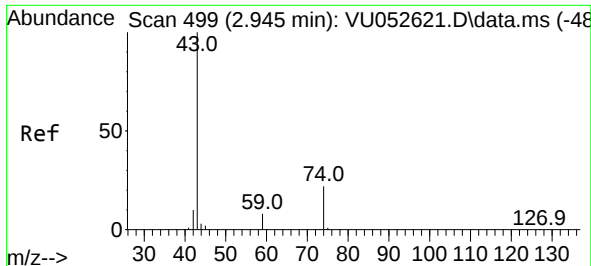
Tgt Ion: 76 Resp: 35811

Ion Ratio Lower Upper

76 100

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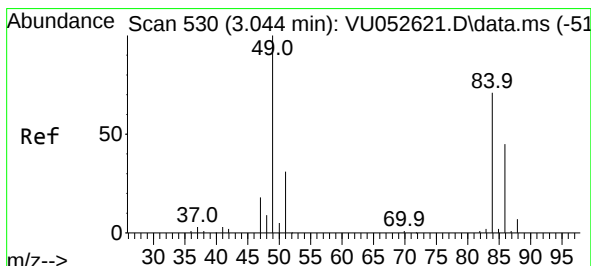
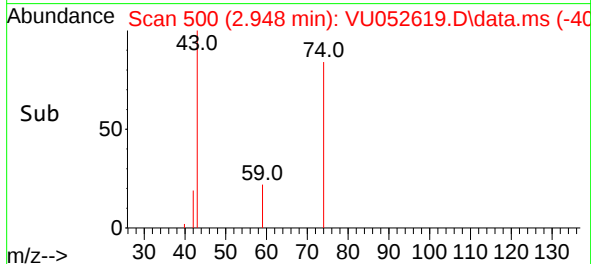
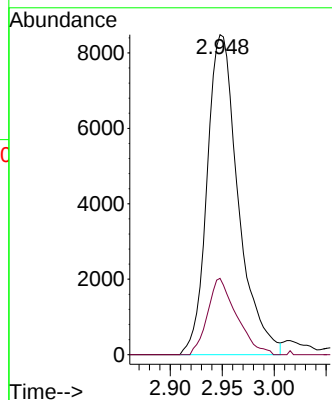
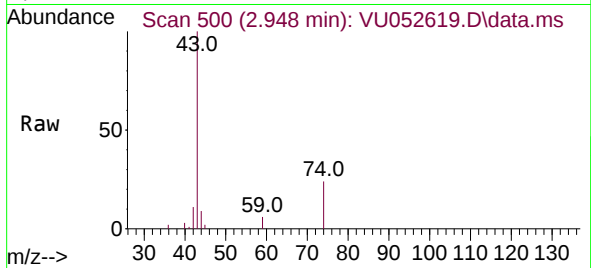




#15
Methyl Acetate
Concen: 7.515 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

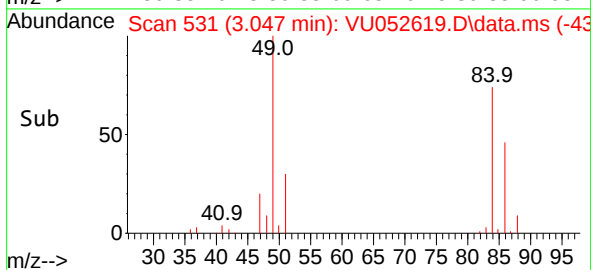
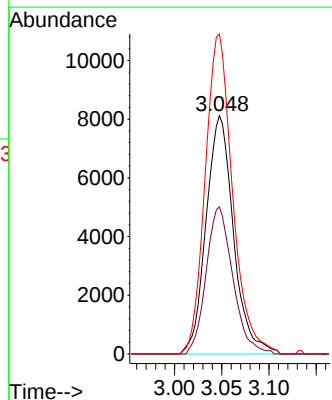
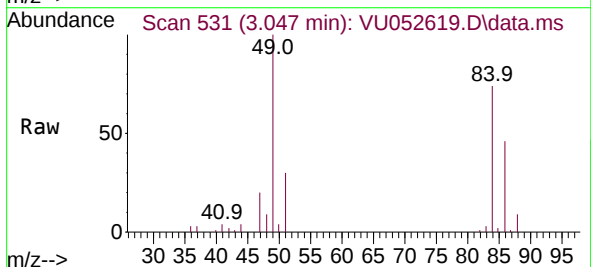
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

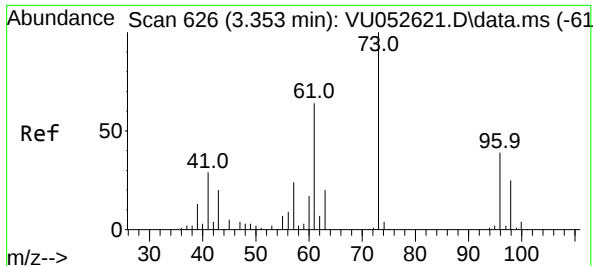
Tgt Ion: 43 Resp: 17704
Ion Ratio Lower Upper
43 100
74 22.1 17.2 25.8



#16
Methylene chloride
Concen: 6.858 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 84 Resp: 16382
Ion Ratio Lower Upper
84 100
86 61.7 44.7 83.1
49 134.2 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 5.683 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005061

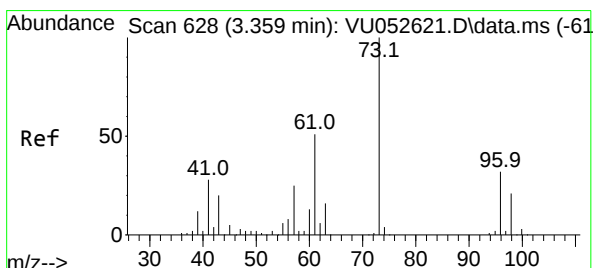
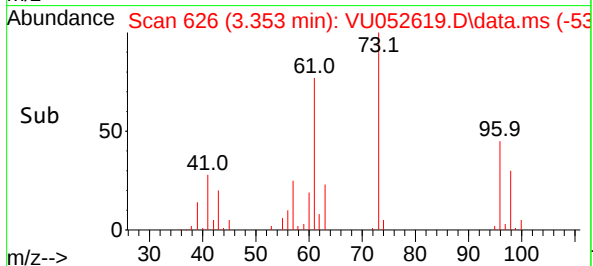
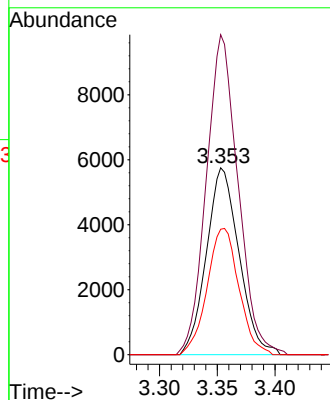
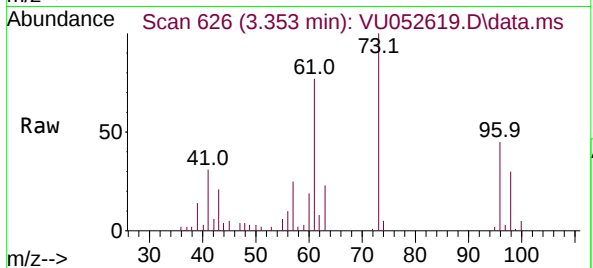
Tgt Ion: 96 Resp: 11308

Ion Ratio Lower Upper

96 100

61 171.2 115.3 214.1

98 67.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 5.707 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

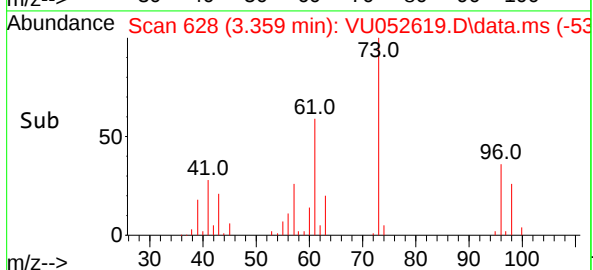
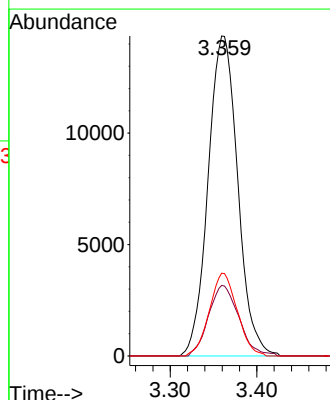
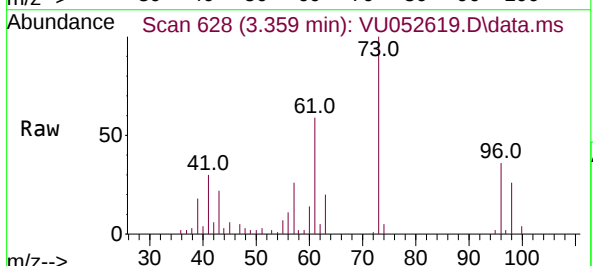
Tgt Ion: 73 Resp: 34083

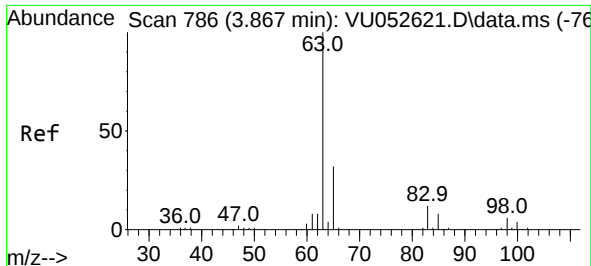
Ion Ratio Lower Upper

73 100

43 22.5 16.3 24.5

57 24.3 19.6 29.4





#19

1,1-Dichloroethane

Concen: 7.420 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005061

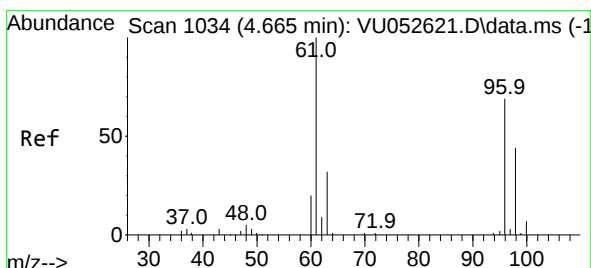
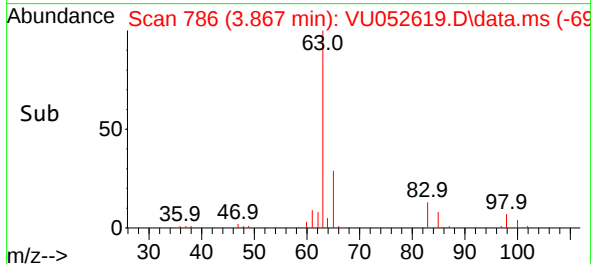
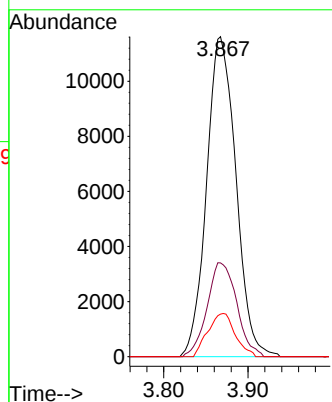
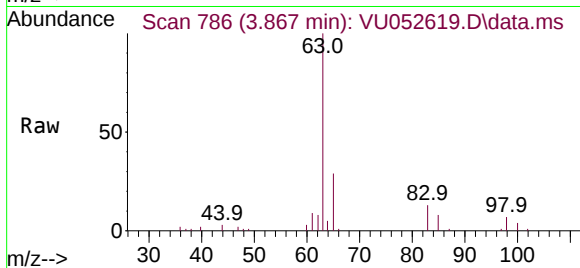
Tgt Ion: 63 Resp: 28074

Ion Ratio Lower Upper

63 100

65 29.3 22.2 41.2

83 13.3 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 5.769 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

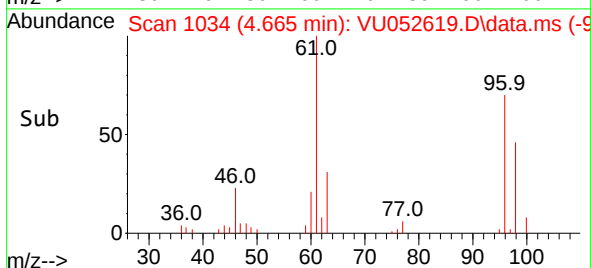
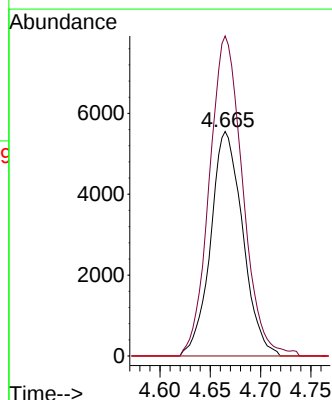
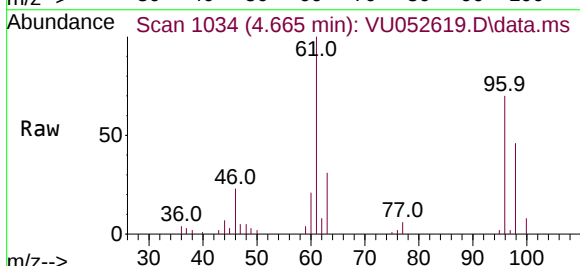
Tgt Ion: 96 Resp: 12327

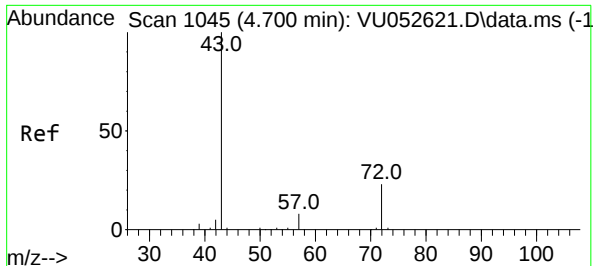
Ion Ratio Lower Upper

96 100

61 142.6 102.1 189.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.099 ug/L

RT: 4.707 min Scan# 1045

Delta R.T. 0.007 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

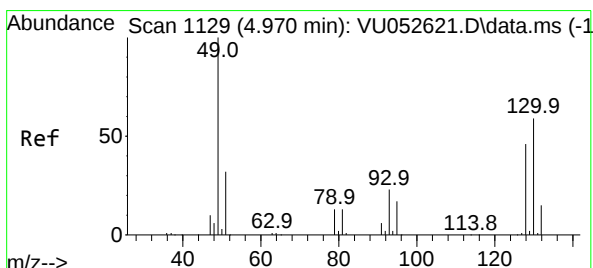
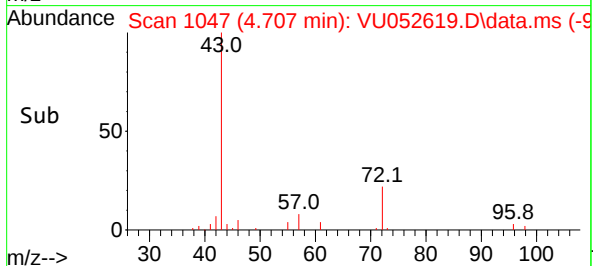
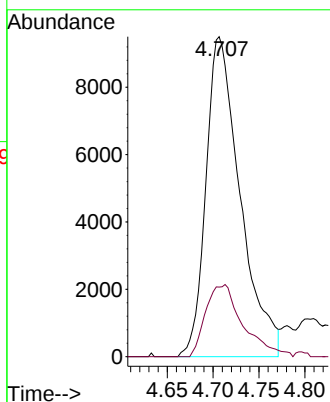
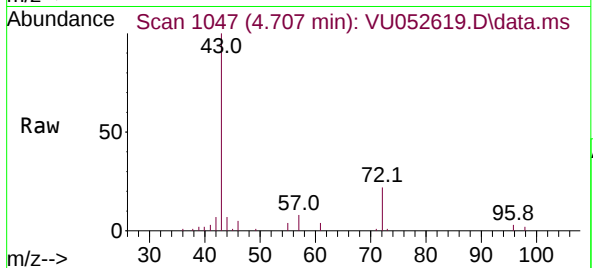
VSTD005061

Tgt Ion: 43 Resp: 24660

Ion Ratio Lower Upper

43 100

72 9.7 12.4 37.4#



#23

Bromochloromethane

Concen: 5.949 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Tgt Ion:128 Resp: 6750

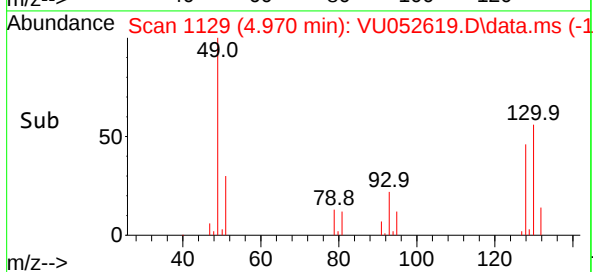
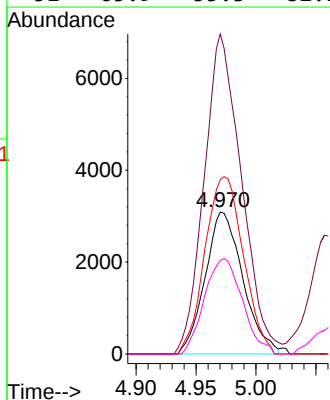
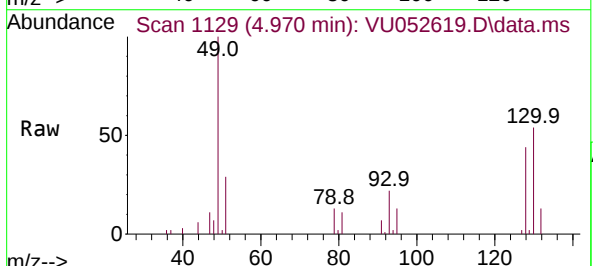
Ion Ratio Lower Upper

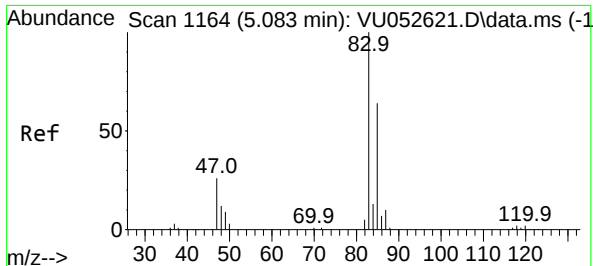
128 100

49 225.6 152.3 282.9

130 122.8 89.2 165.8

51 65.9 55.3 82.9





#25

Chloroform

Concen: 6.484 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

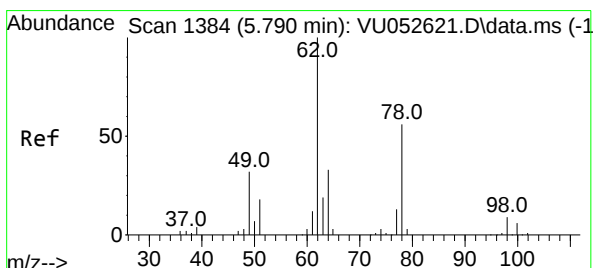
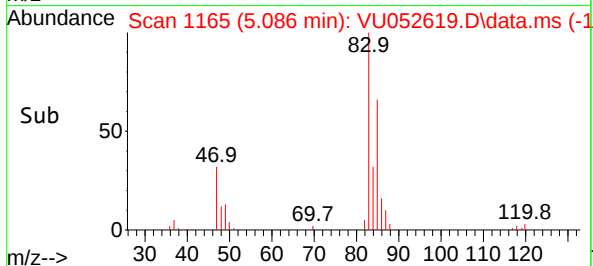
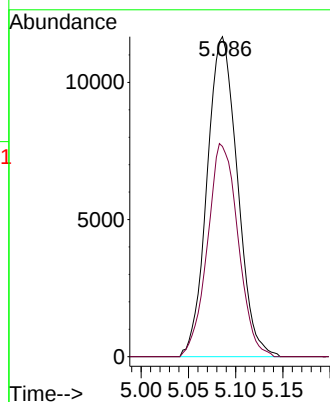
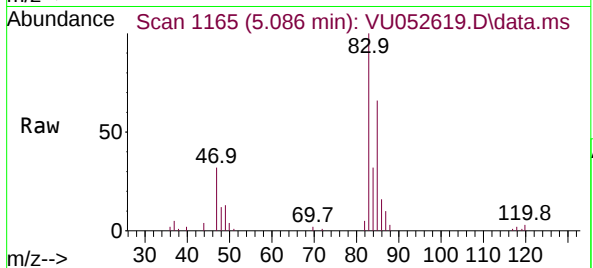
VSTD005061

Tgt Ion: 83 Resp: 26086

Ion Ratio Lower Upper

83 100

85 65.7 44.9 83.5



#27

1,2-Dichloroethane

Concen: 6.986 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052619.D

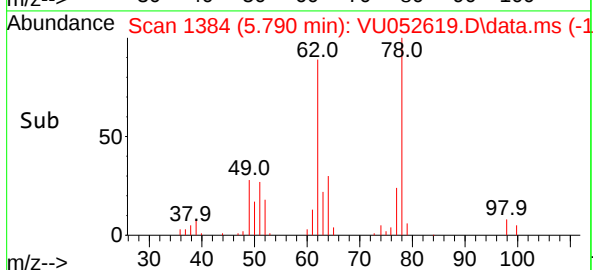
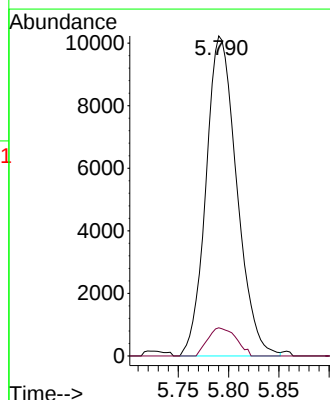
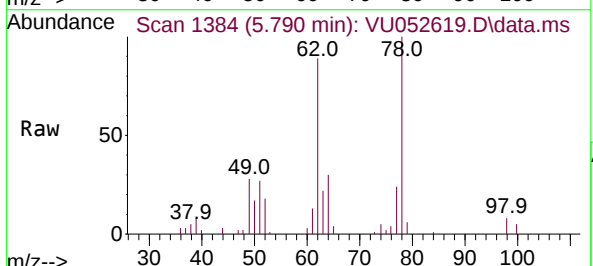
Acq: 06 Jan 2023 10:49

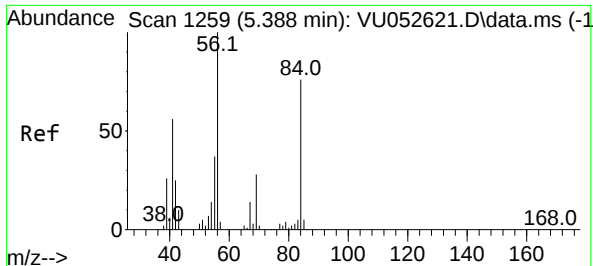
Tgt Ion: 62 Resp: 21802

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 5.753 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005061

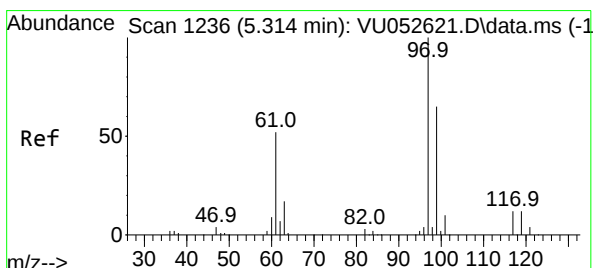
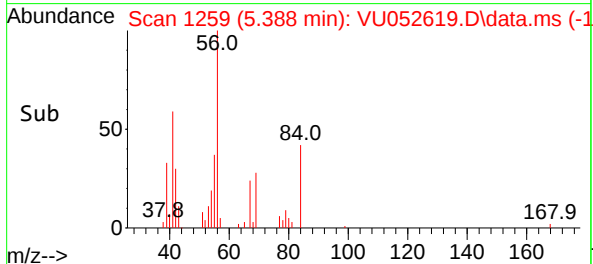
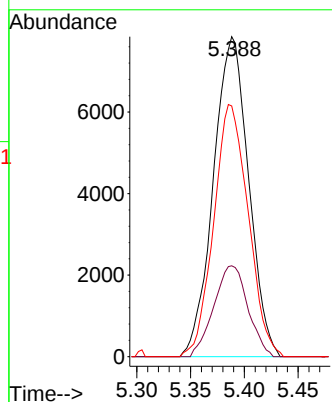
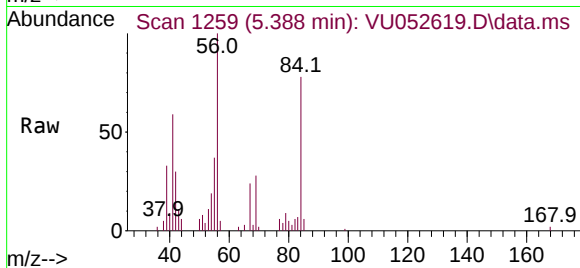
Tgt Ion: 56 Resp: 17876

Ion Ratio Lower Upper

56 100

69 27.5 22.5 33.7

84 77.2 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 6.070 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

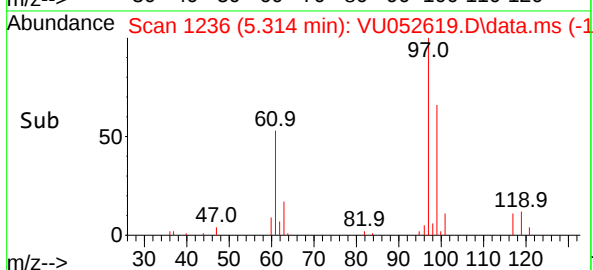
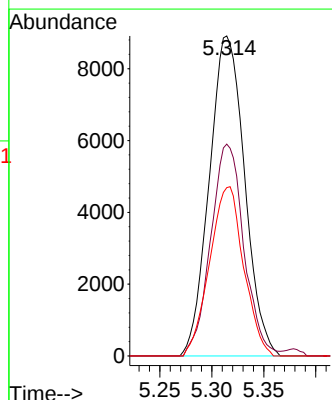
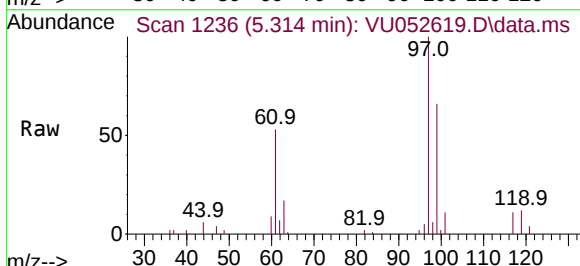
Tgt Ion: 97 Resp: 21094

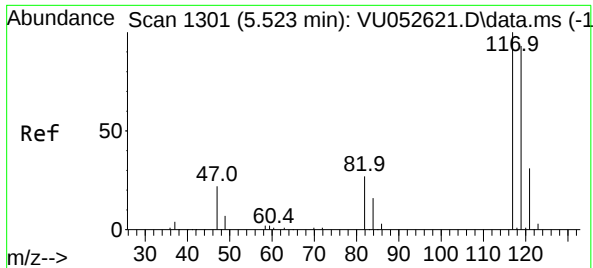
Ion Ratio Lower Upper

97 100

99 62.2 51.1 76.7

61 50.8 41.2 61.8

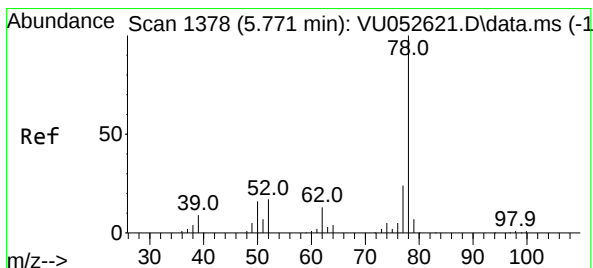
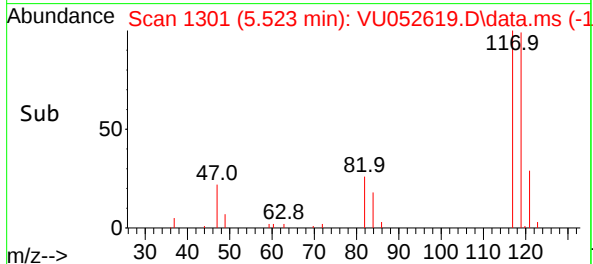
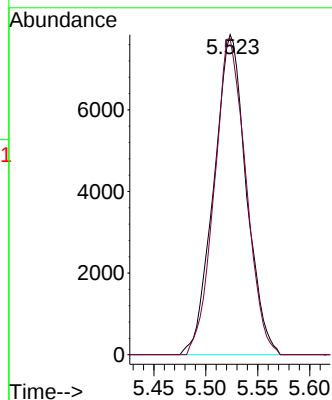
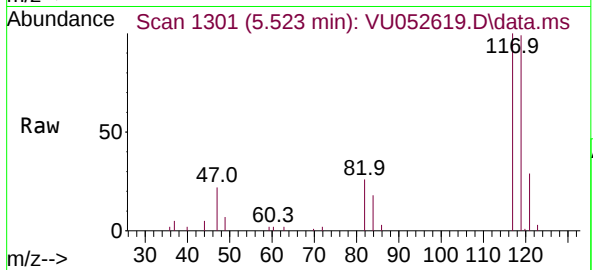




#31
Carbon tetrachloride
Concen: 5.701 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

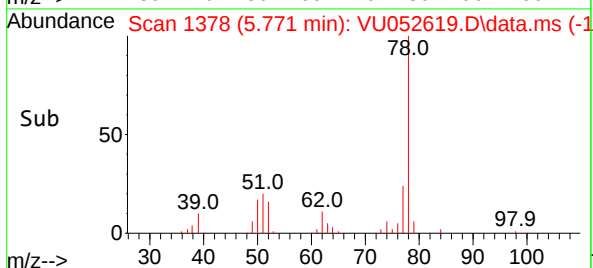
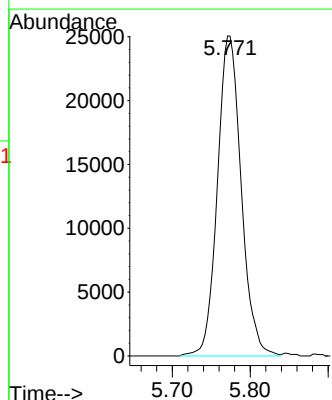
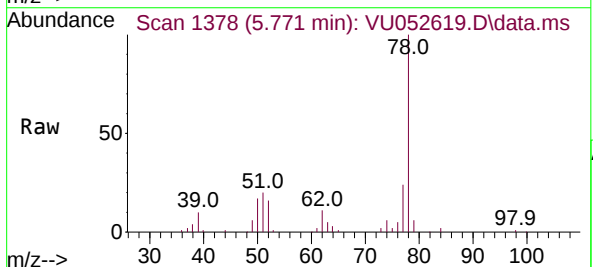
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

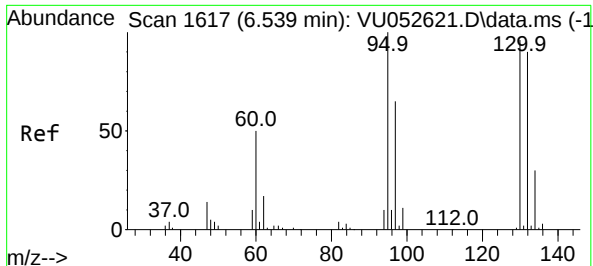
Tgt Ion:117 Resp: 17022
Ion Ratio Lower Upper
117 100
119 96.0 76.0 114.0



#33
Benzene
Concen: 6.139 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 78 Resp: 53274



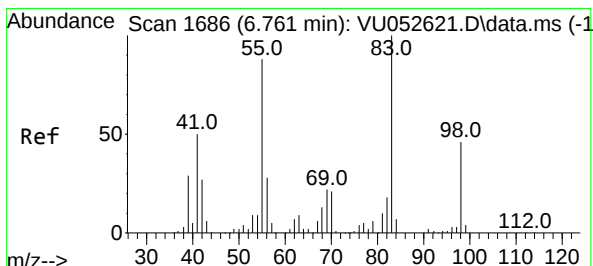
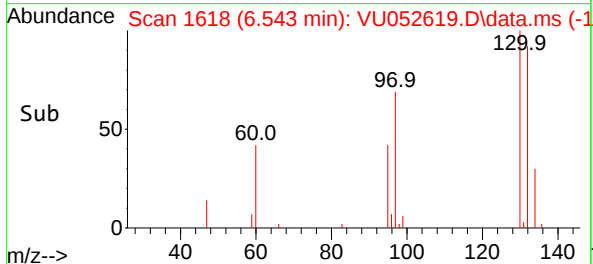
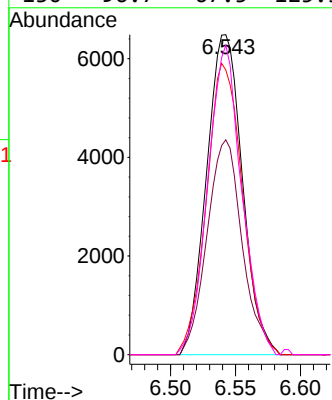
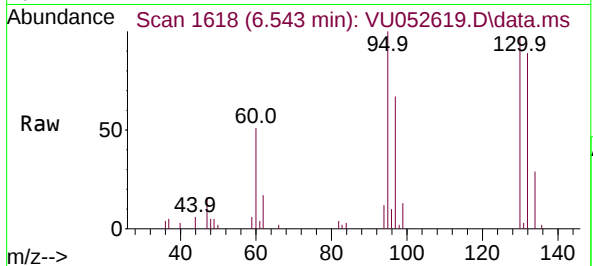


#34
Trichloroethene
Concen: 5.623 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

Tgt Ion: 95 Resp: 12455

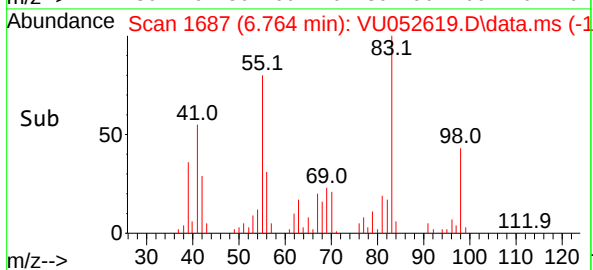
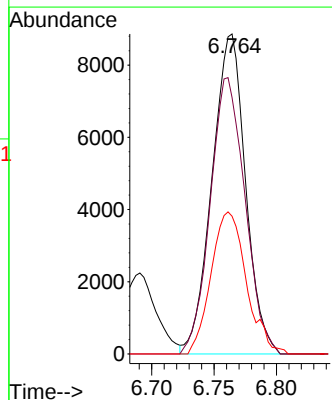
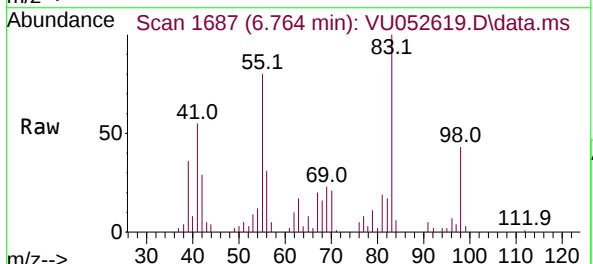
Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.7	84.9
132	89.0	62.6	116.3
130	96.7	67.5	125.3

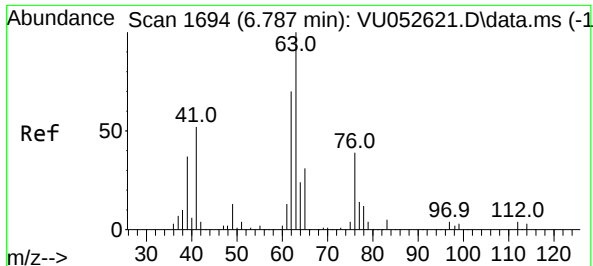


#35
Methylcyclohexane
Concen: 4.846 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 83 Resp: 16571

Ion	Ratio	Lower	Upper
83	100		
55	89.7	71.0	106.4
98	46.8	37.0	55.6

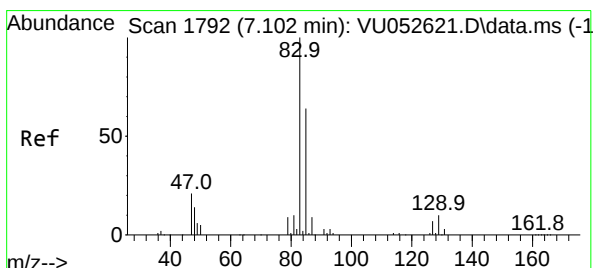
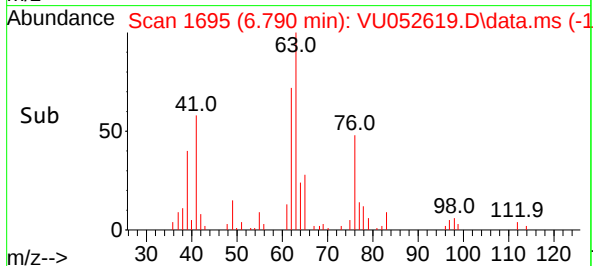
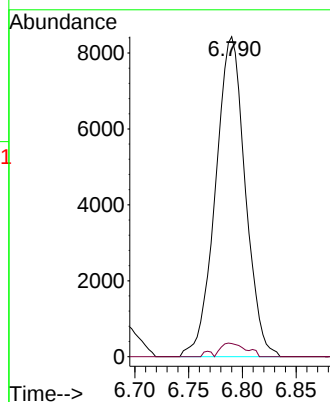
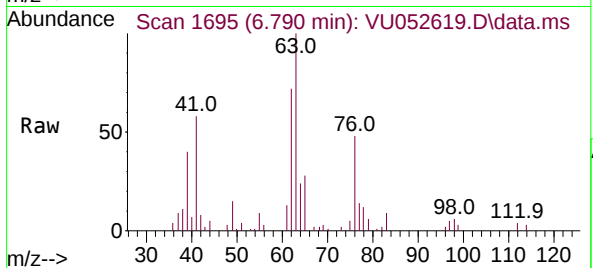




#37
1,2-Dichloropropane
Concen: 7.120 ug/L
RT: 6.790 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

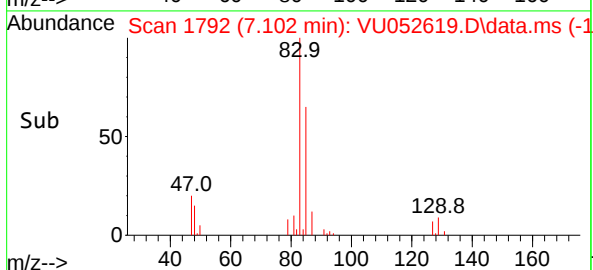
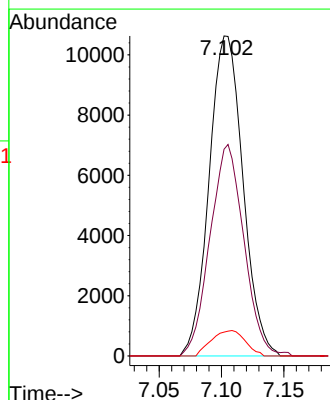
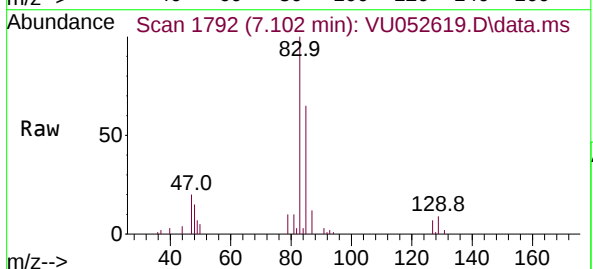
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

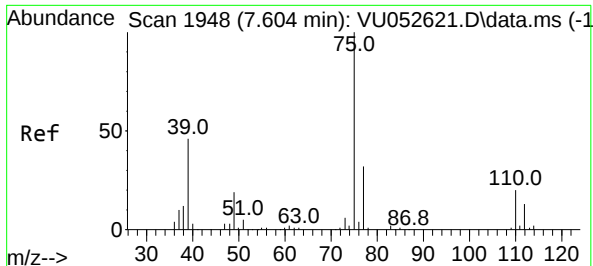
Tgt Ion: 63 Resp: 16209
Ion Ratio Lower Upper
63 100
112 3.1 3.1 4.7



#38
Bromodichloromethane
Concen: 6.610 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 83 Resp: 20108
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9
127 7.5 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 5.543 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

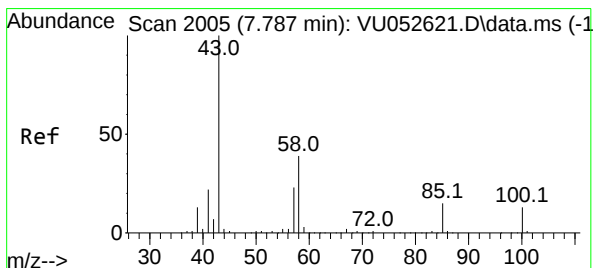
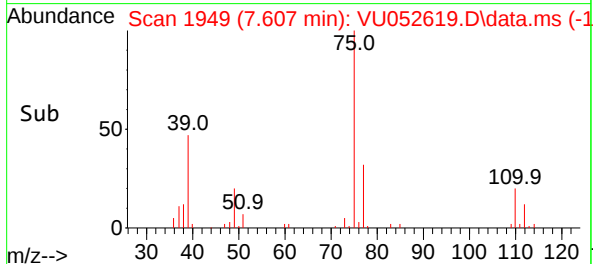
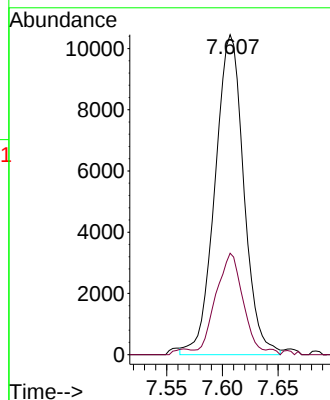
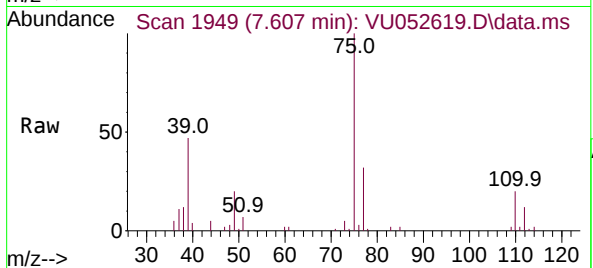
VSTD005061

Tgt Ion: 75 Resp: 18801

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 11.094 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

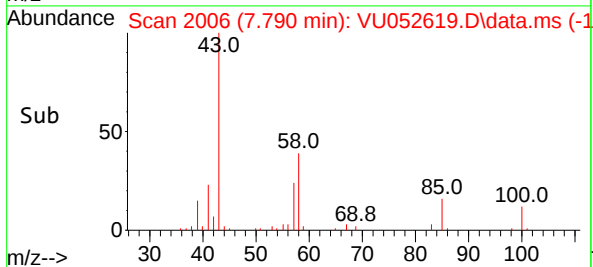
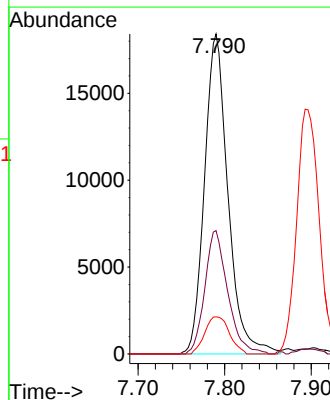
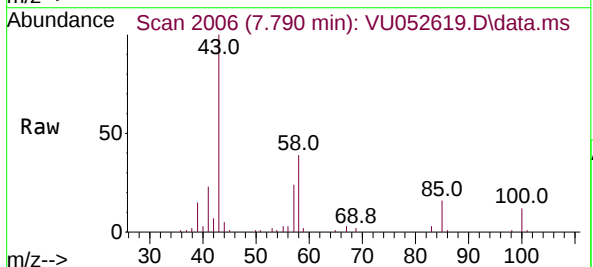
Tgt Ion: 43 Resp: 34705

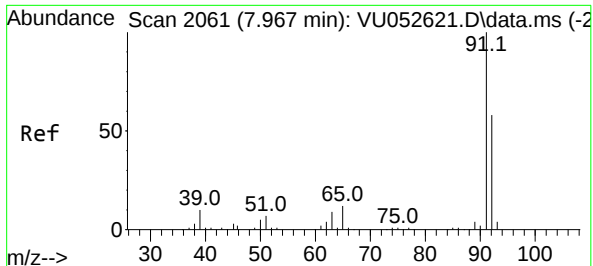
Ion Ratio Lower Upper

43 100

58 37.6 30.4 45.6

100 12.2 9.9 14.9





#42

Toluene

Concen: 5.254 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

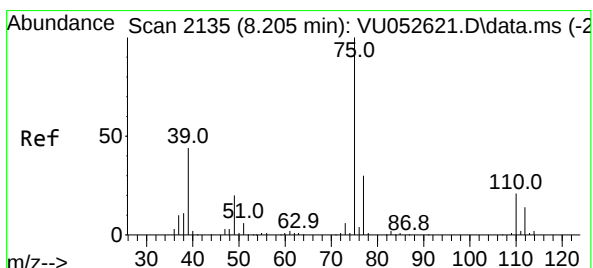
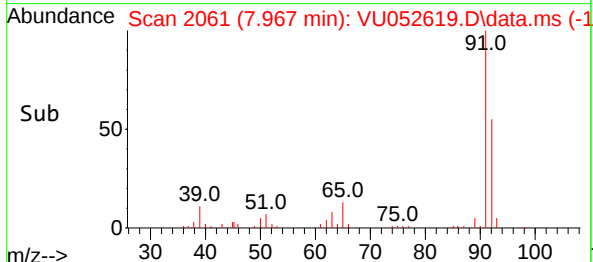
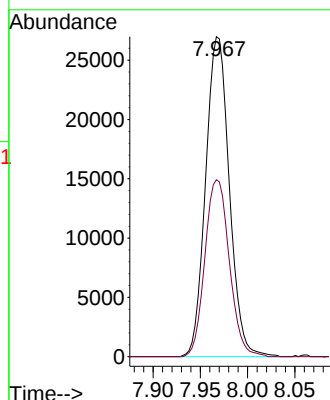
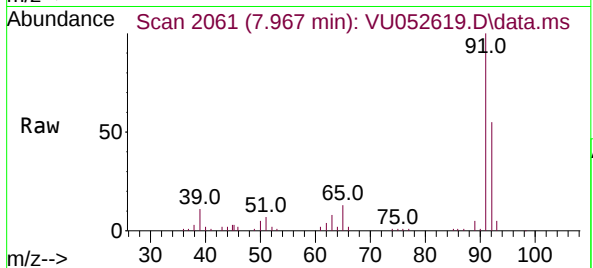
VSTD005061

Tgt Ion: 91 Resp: 47088

Ion Ratio Lower Upper

91 100

92 55.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.268 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052619.D

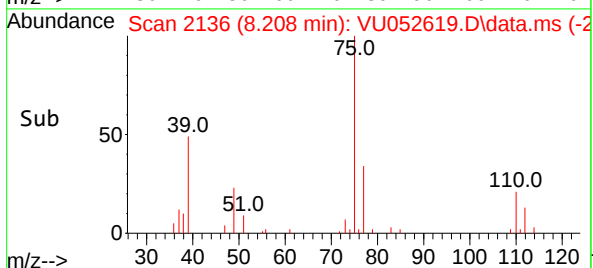
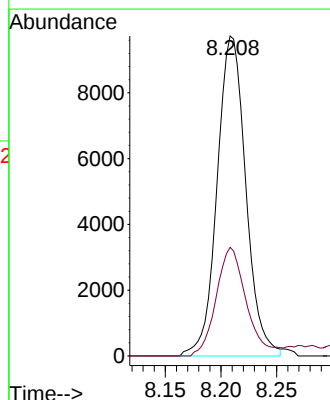
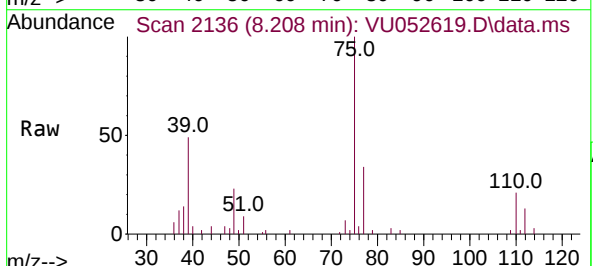
Acq: 06 Jan 2023 10:49

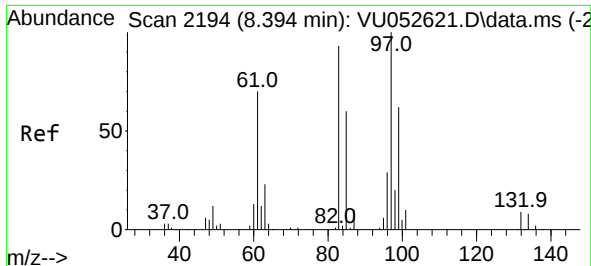
Tgt Ion: 75 Resp: 17439

Ion Ratio Lower Upper

75 100

77 34.0 21.3 39.5

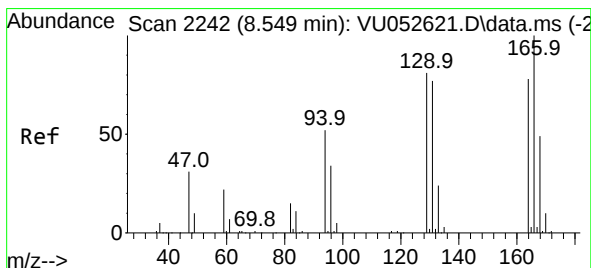
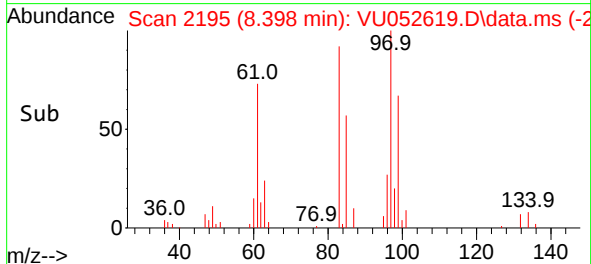
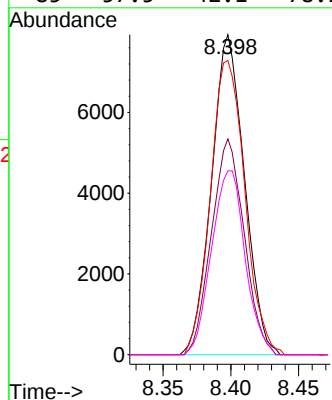
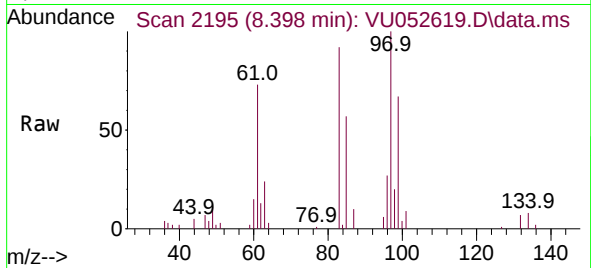




#45
1,1,2-Trichloroethane
Concen: 5.987 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

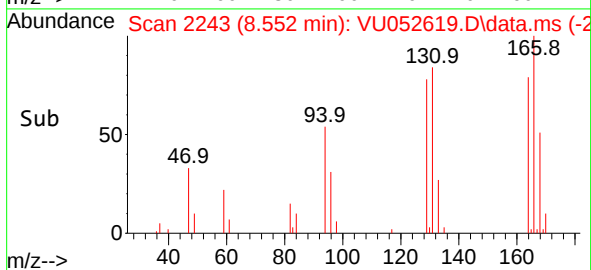
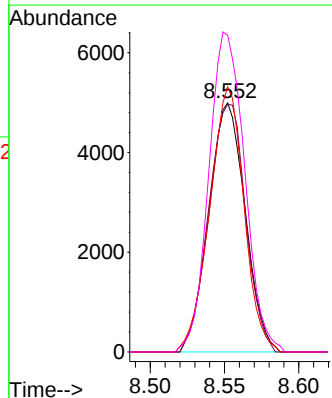
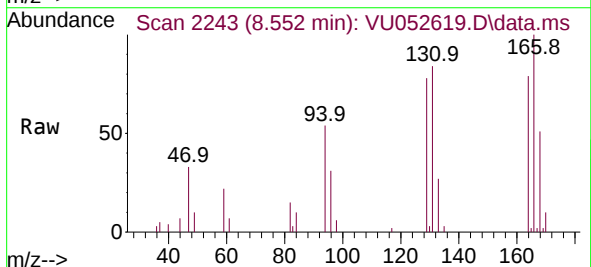
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

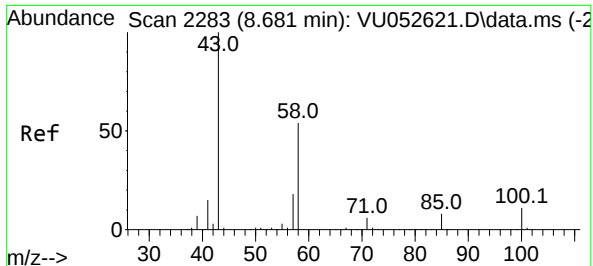
Tgt Ion: 97	Resp: 13373
Ion Ratio	Lower Upper
97 100	
99 67.5	43.3 80.3
83 92.0	65.2 121.0
85 57.5	42.1 78.1



#46
Tetrachloroethene
Concen: 5.149 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt	Ion:164	Resp:	8513
Ion	Ratio	Lower	Upper
164	100		
129	99.4	72.7	134.9
131	106.4	69.2	128.4
166	127.1	89.6	166.4

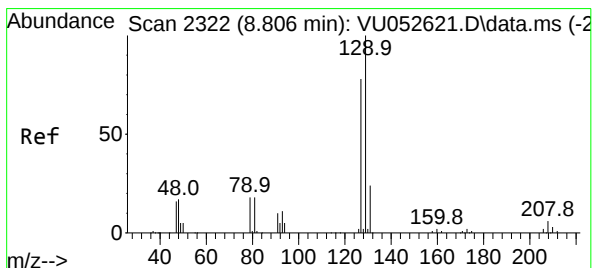
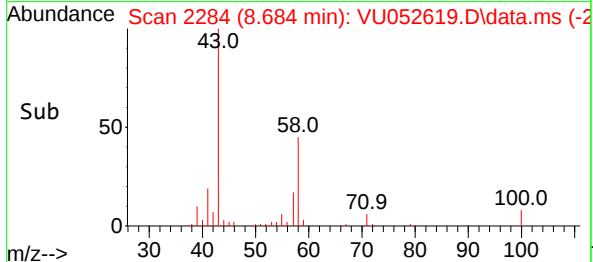
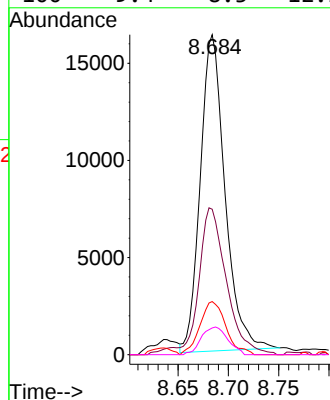
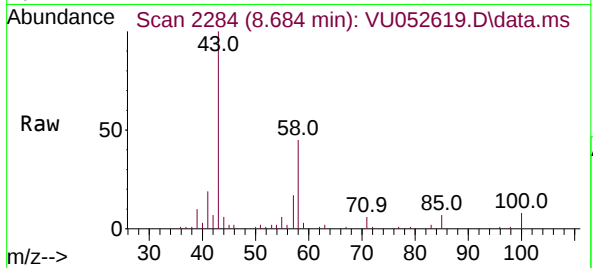




#48
2-Hexanone
Concen: 10.618 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

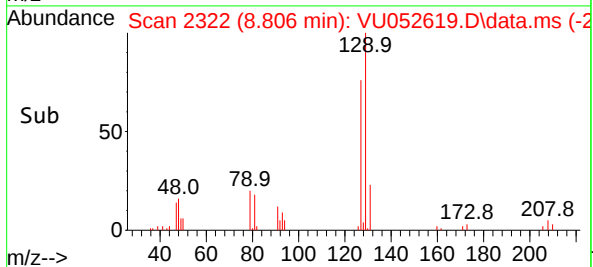
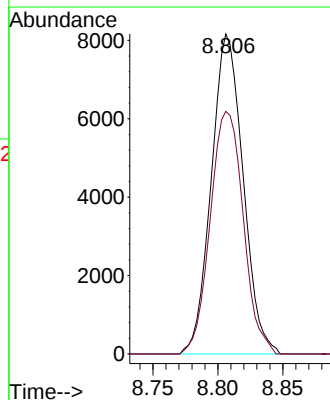
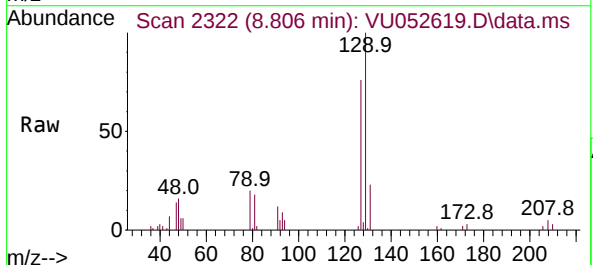
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

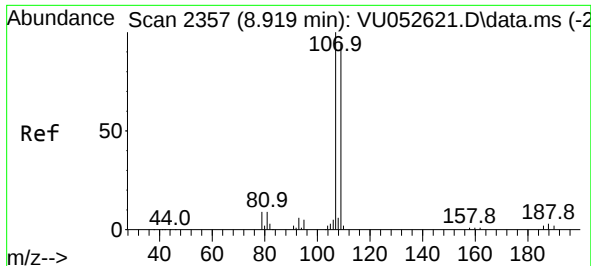
Tgt Ion: 43	Resp: 27934
Ion Ratio	Lower Upper
43 100	
58 50.4	42.6 63.8
57 17.7	14.2 21.4
100 9.4	8.3 12.5



#49
Dibromochloromethane
Concen: 5.701 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:129	Resp:	13877	
Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.5	101.3

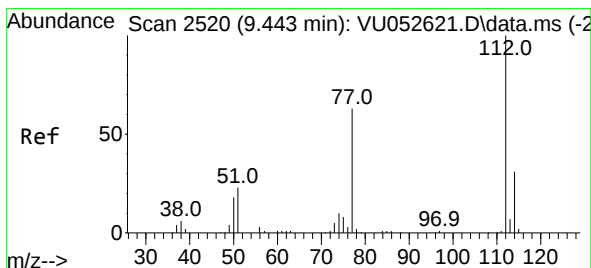
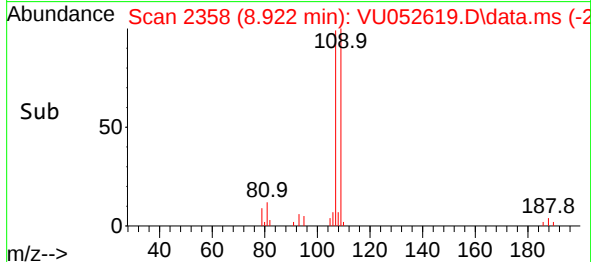
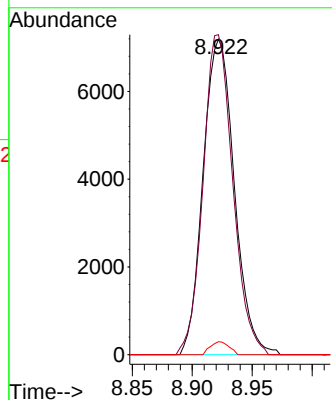
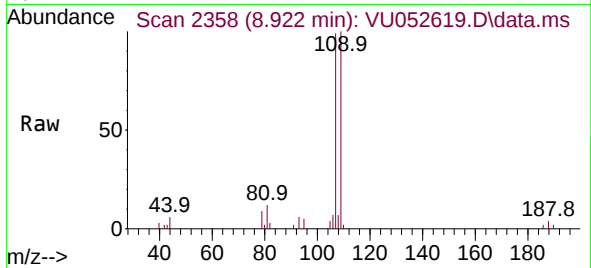




#50
1,2-Dibromoethane
Concen: 5.653 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

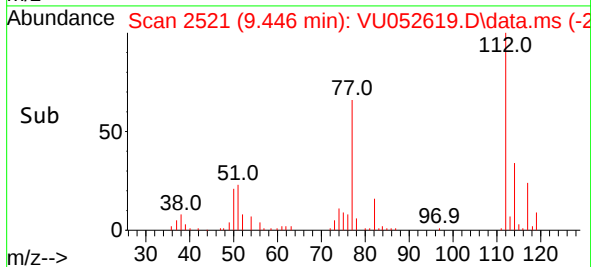
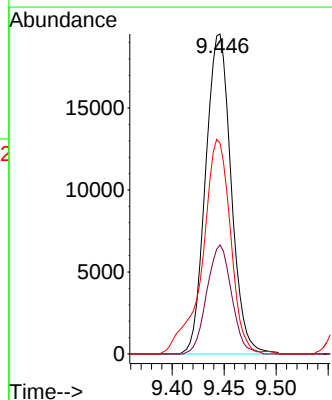
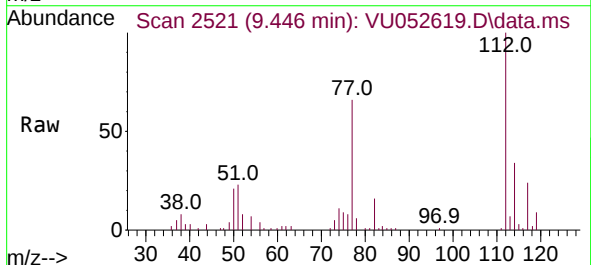
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

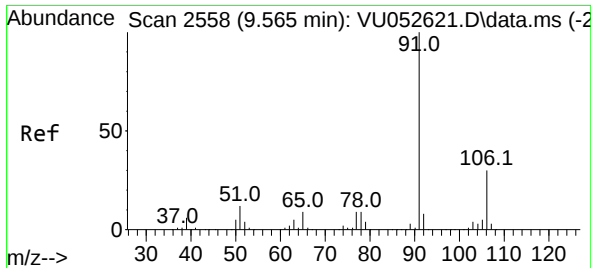
Tgt Ion:107 Resp: 13033
Ion Ratio Lower Upper
107 100
109 101.4 65.9 122.5
188 4.1 2.5 3.7#



#51
Chlorobenzene
Concen: 5.734 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:112 Resp: 33318
Ion Ratio Lower Upper
112 100
114 34.1 21.6 40.0
77 65.9 50.8 76.2

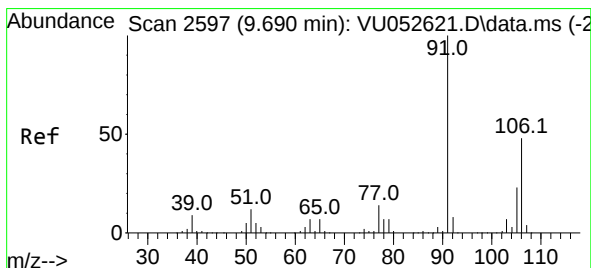
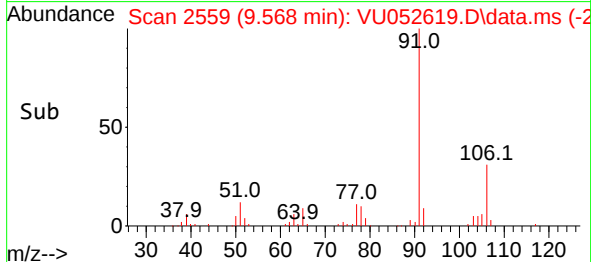
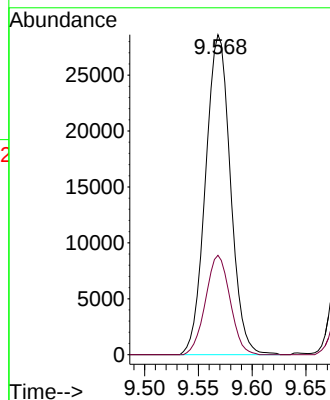
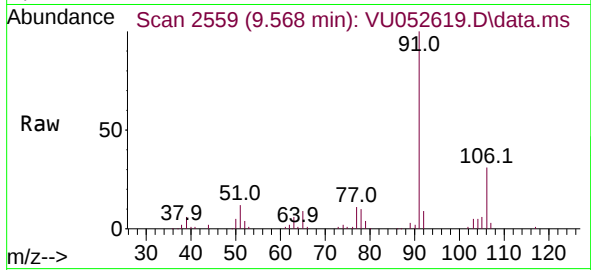




#52
Ethylbenzene
Concen: 4.871 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

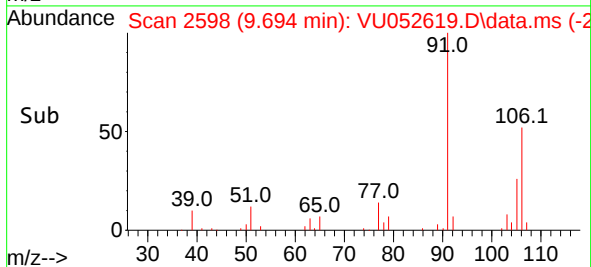
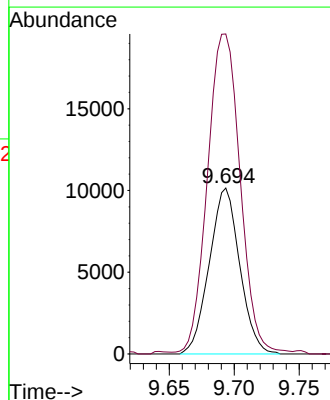
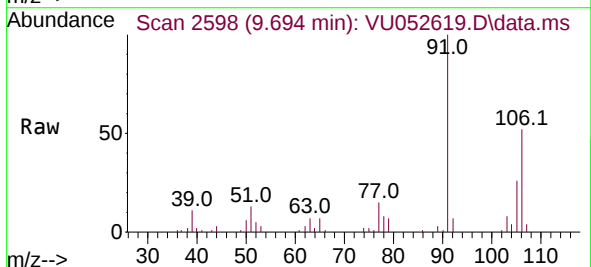
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

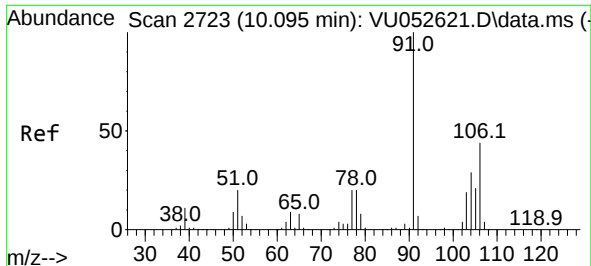
Tgt Ion: 91 Resp: 46083
Ion Ratio Lower Upper
91 100
106 31.0 20.7 38.5



#53
m,p-Xylene
Concen: 4.543 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 106 Resp: 16540
Ion Ratio Lower Upper
106 100
91 192.9 144.6 268.6

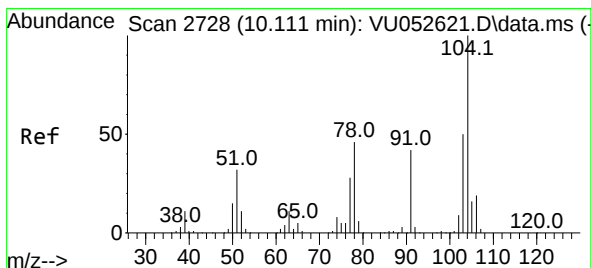
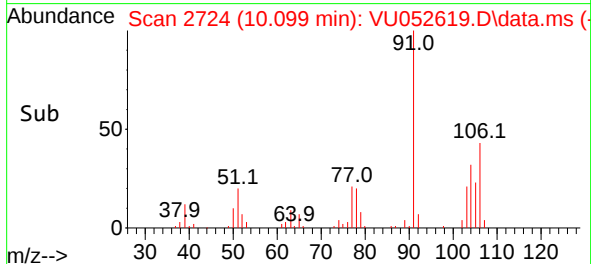
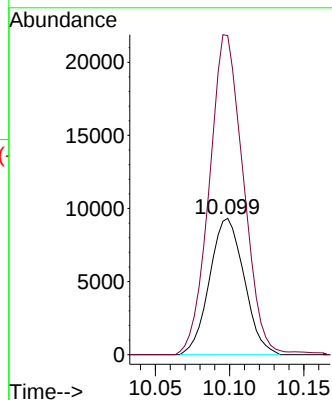
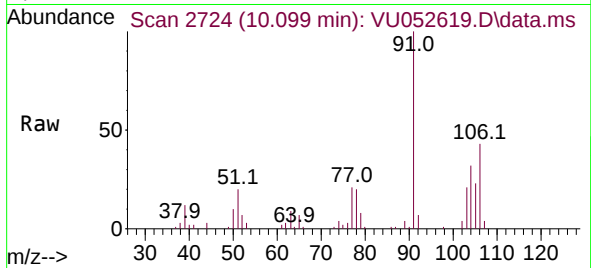




#54
o-xylene
Concen: 4.345 ug/L
RT: 10.099 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

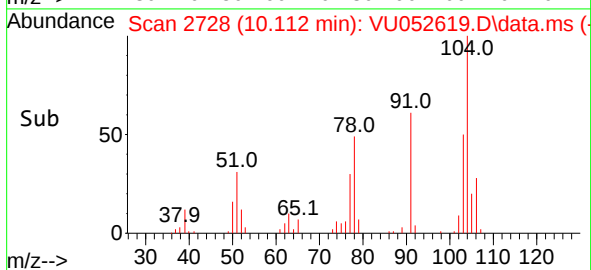
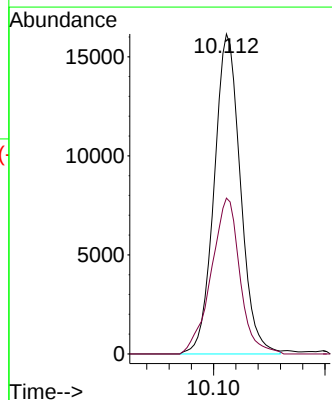
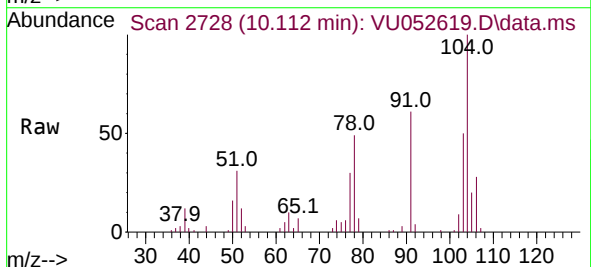
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

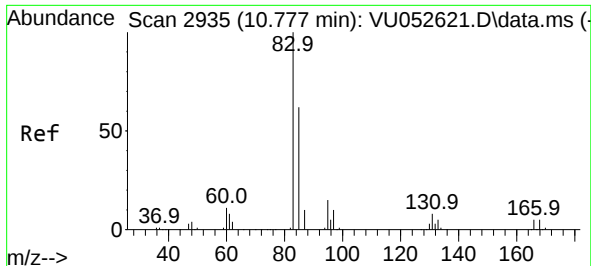
Tgt Ion:106 Resp: 15101
Ion Ratio Lower Upper
106 100
91 234.1 158.3 294.1



#55
Styrene
Concen: 4.306 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:104 Resp: 26460
Ion Ratio Lower Upper
104 100
78 48.7 32.5 60.3

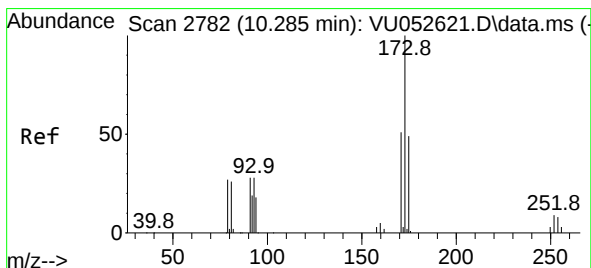
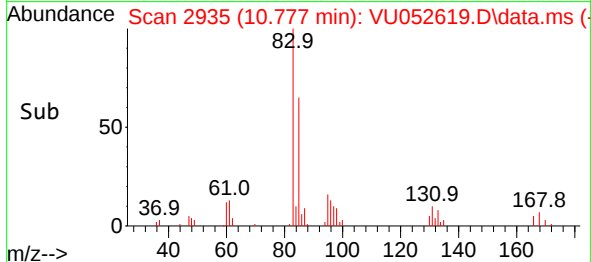
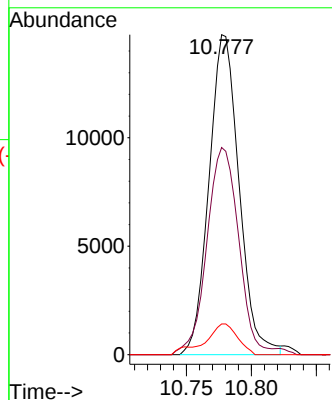
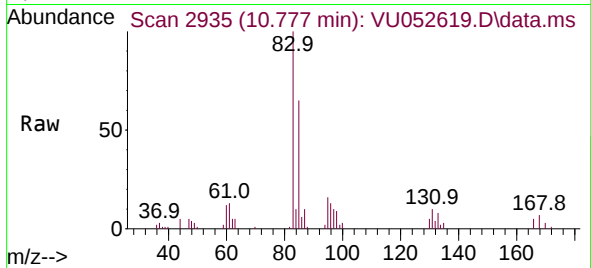




#57
 1,1,2,2-Tetrachloroethane
 Concen: 6.030 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

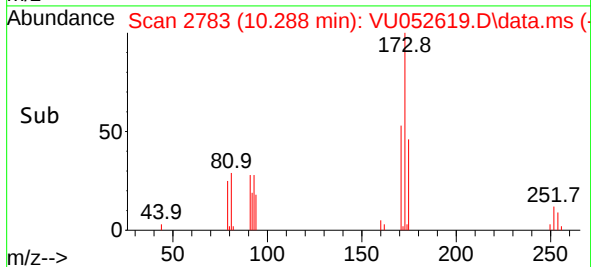
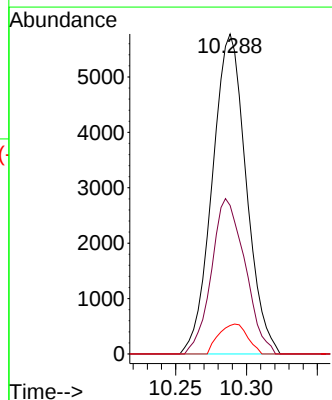
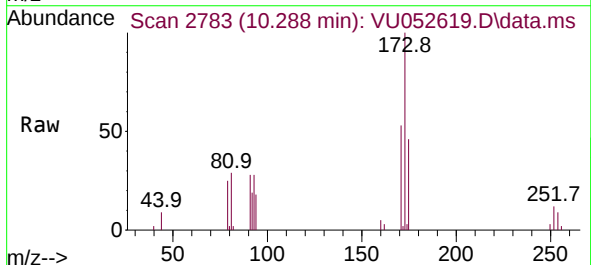
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005061

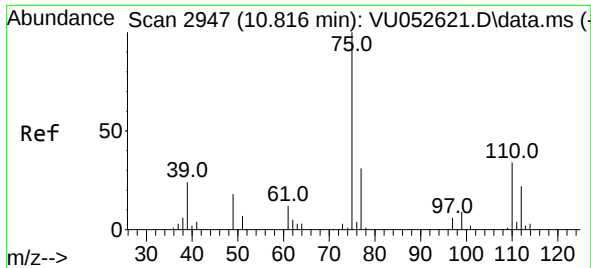
Tgt Ion: 83 Resp: 23741
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.0 81.6
 131 9.6 7.0 10.4



#59
 Bromoform
 Concen: 5.624 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

Tgt Ion: 173 Resp: 9594
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.4 59.0
 254 7.9 7.0 10.6

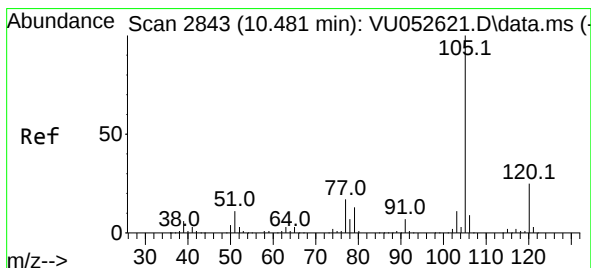
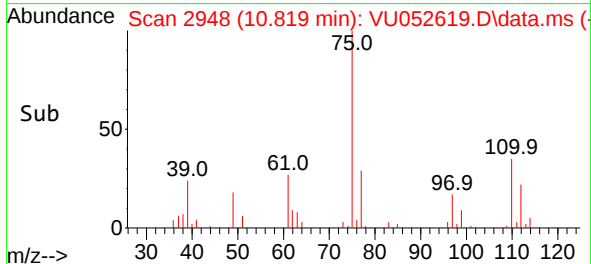
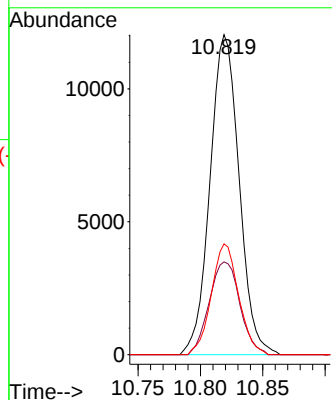
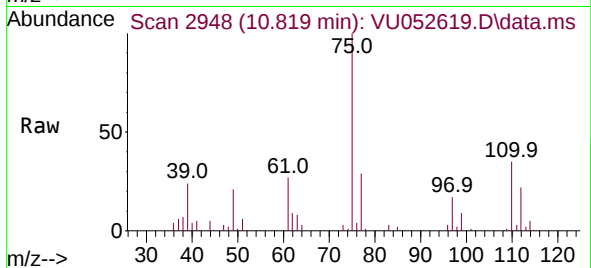




#60
1,2,3-Trichloropropane
Concen: 6.473 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

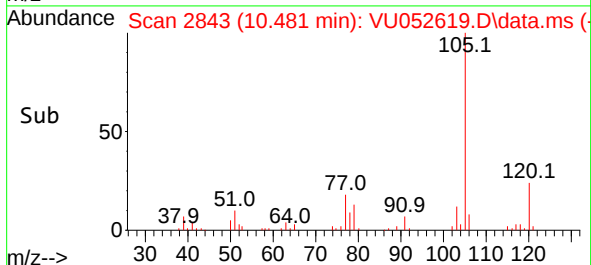
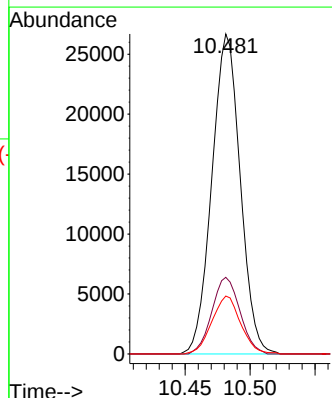
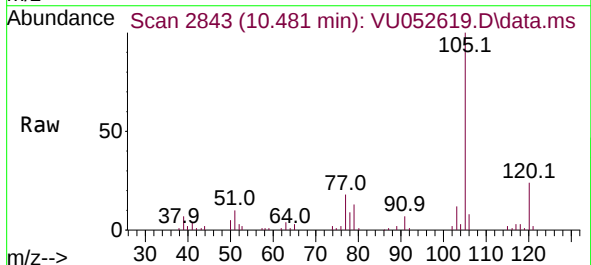
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

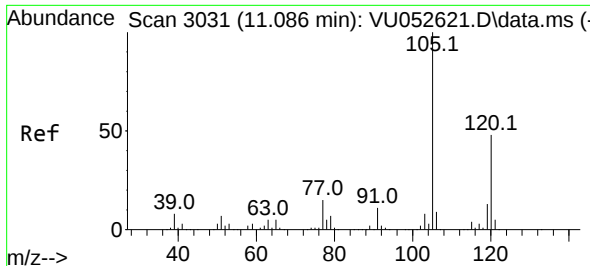
Tgt Ion: 75	Resp: 19578
Ion Ratio	Lower Upper
75 100	
77 30.5	25.3 37.9
110 32.4	27.3 40.9



#61
Isopropylbenzene
Concen: 4.694 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion: 105	Resp: 40443
Ion Ratio	Lower Upper
105 100	
120 23.7	19.8 29.8
77 18.4	13.8 20.6

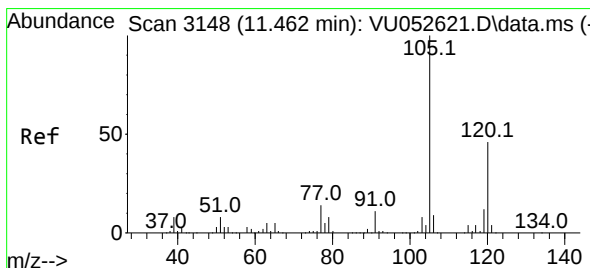
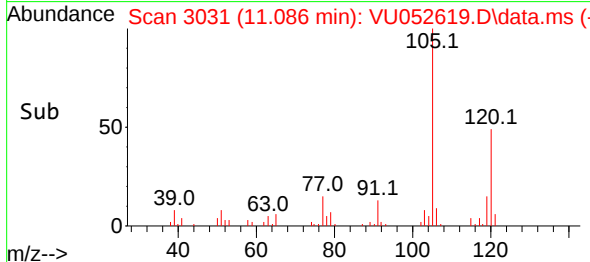
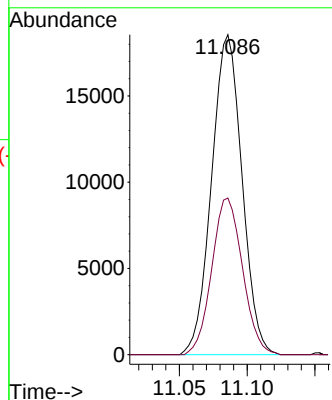
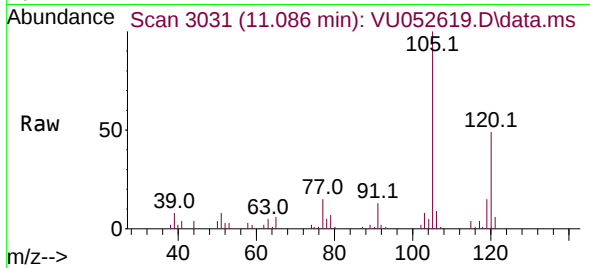




#62
1,3,5-Trimethylbenzene
Concen: 4.034 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

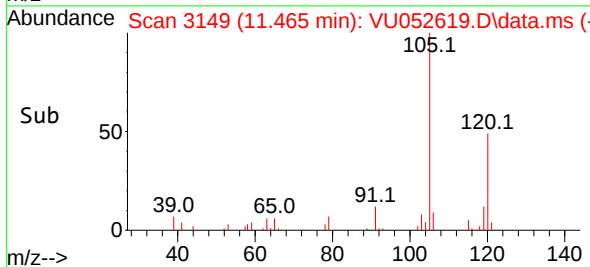
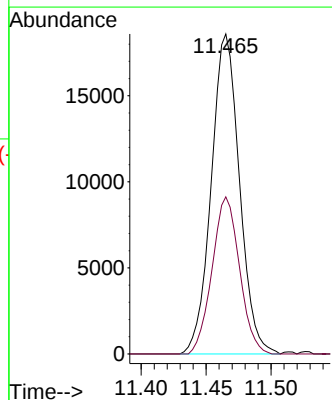
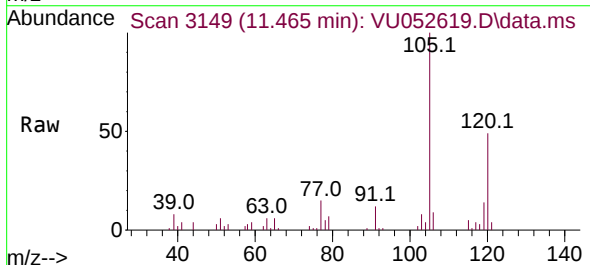
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

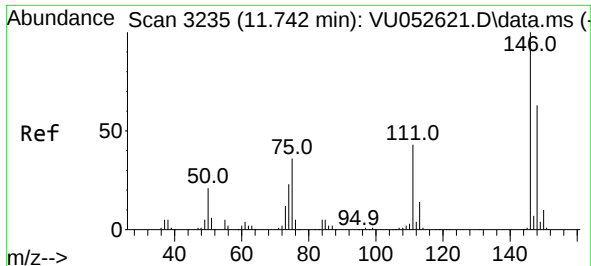
Tgt Ion:105 Resp: 28971
Ion Ratio Lower Upper
105 100
120 49.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 3.920 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:105 Resp: 28061
Ion Ratio Lower Upper
105 100
120 47.6 36.1 54.1

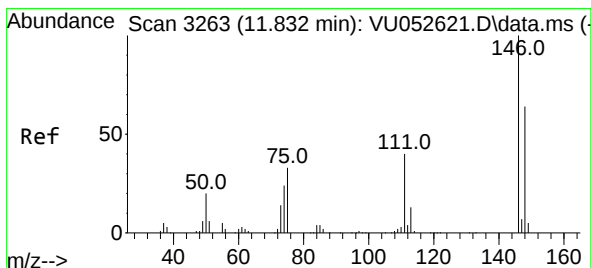
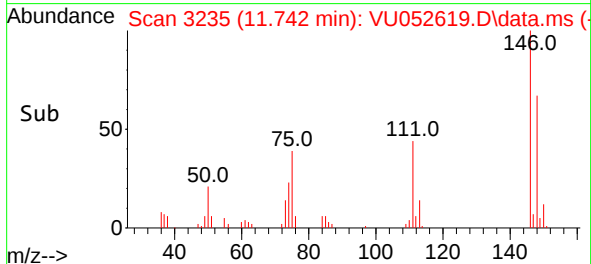
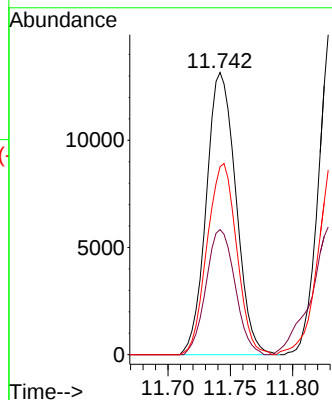
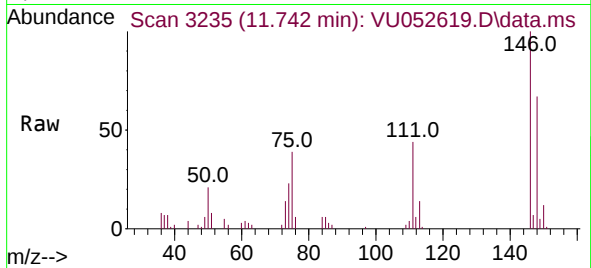




#64
1,3-Dichlorobenzene
Concen: 5.012 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

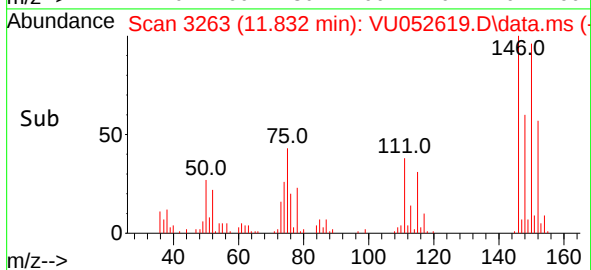
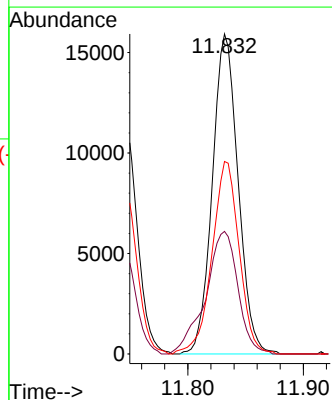
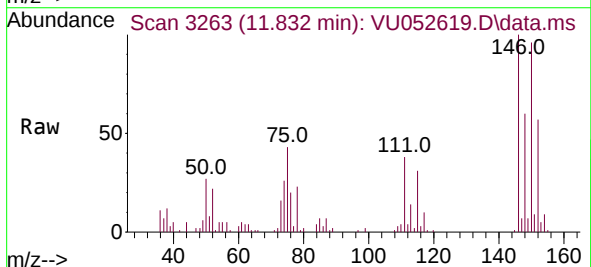
Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

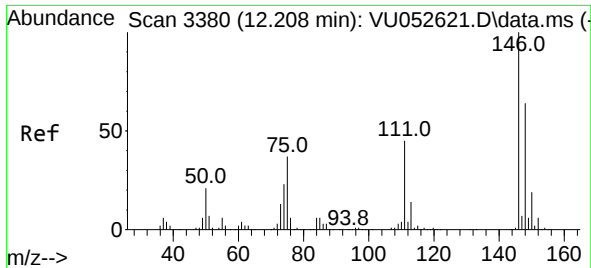
Tgt Ion:146 Resp: 21724
Ion Ratio Lower Upper
146 100
111 44.3 29.8 55.3
148 66.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.462 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:146 Resp: 24674
Ion Ratio Lower Upper
146 100
111 38.3 28.6 53.0
148 60.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.359 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005061

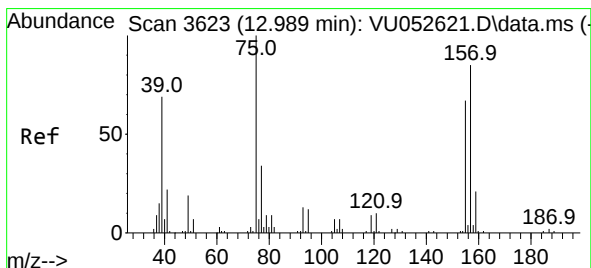
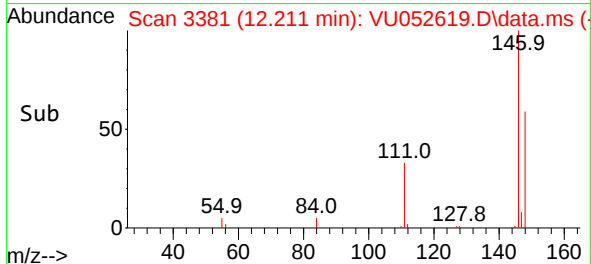
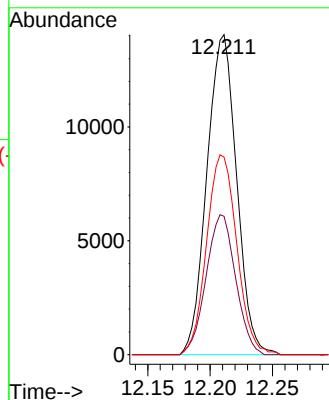
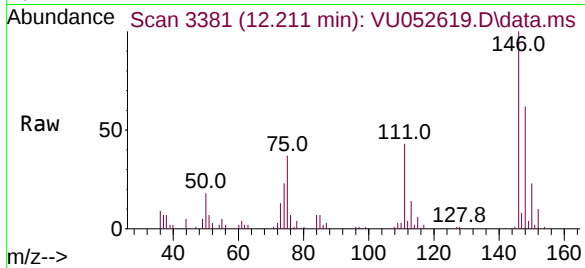
Tgt Ion:146 Resp: 23374

Ion Ratio Lower Upper

146 100

111 43.2 35.7 53.5

148 61.8 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.807 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052619.D

Acq: 06 Jan 2023 10:49

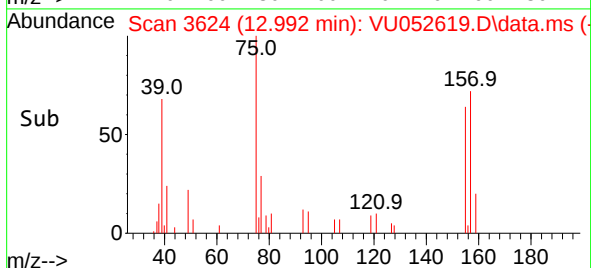
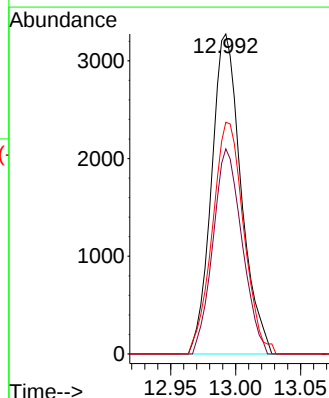
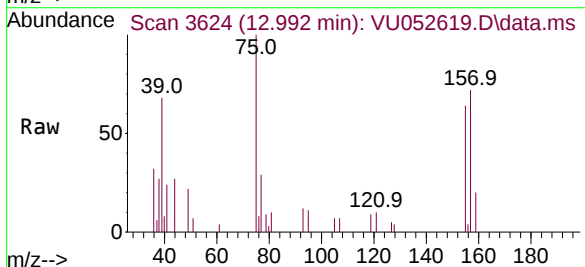
Tgt Ion: 75 Resp: 5180

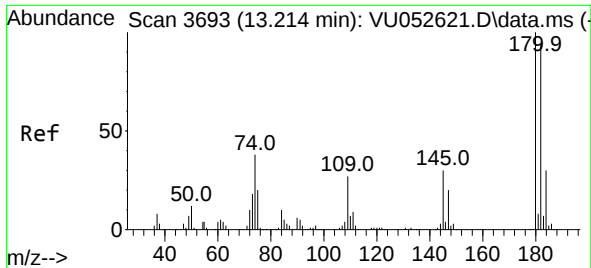
Ion Ratio Lower Upper

75 100

155 64.1 53.5 80.3

157 72.4 68.4 102.6

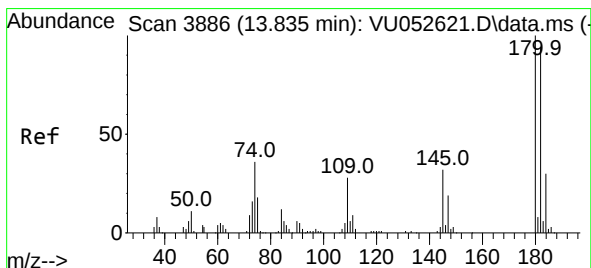
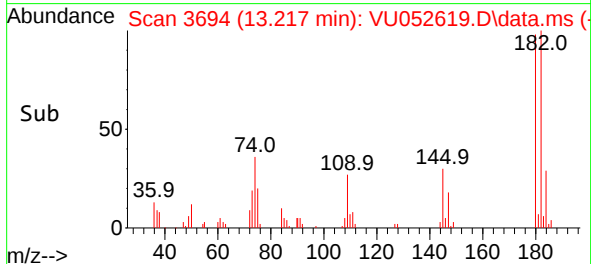
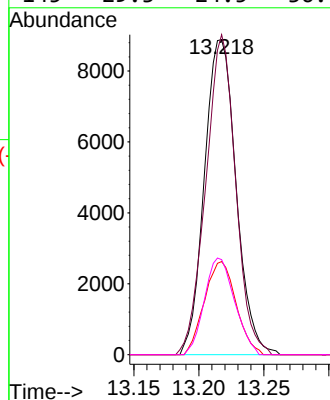
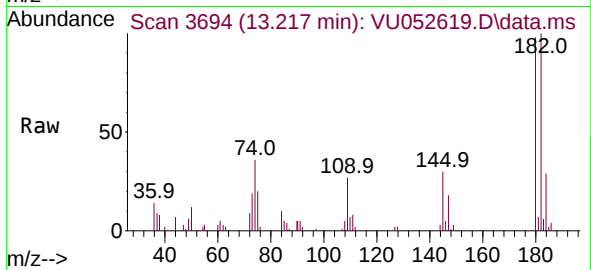




#69
 1,3,5-Trichlorobenzene
 Concen: 4.595 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

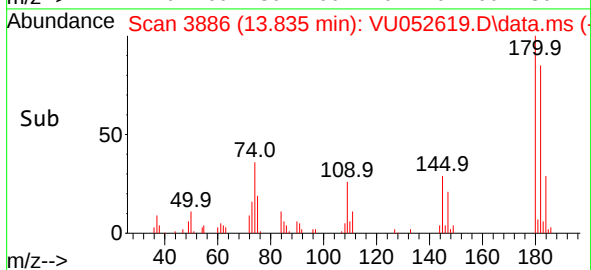
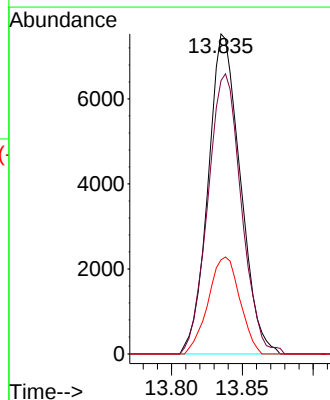
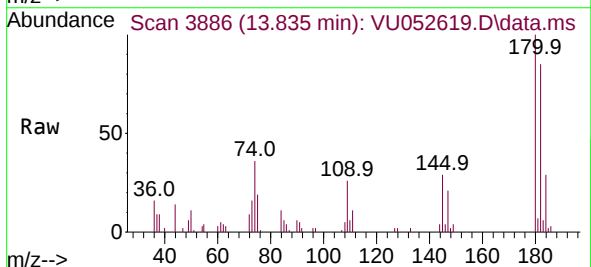
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005061

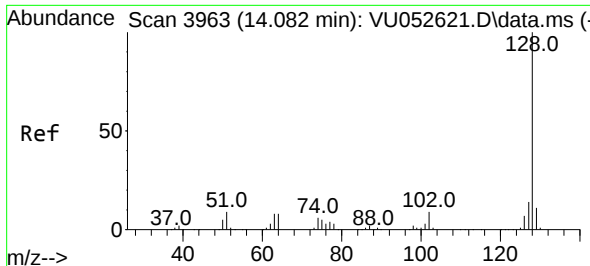
Tgt Ion:180	Resp:	15067
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.9 113.9
184	29.5	23.8 35.8
145	29.3	24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.297 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052619.D
 Acq: 06 Jan 2023 10:49

Tgt Ion:180	Resp:	11905
Ion Ratio	Lower	Upper
180	100	
182	90.4	75.4 113.0
145	29.7	25.0 37.6

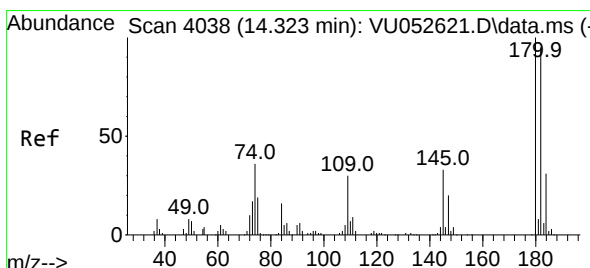
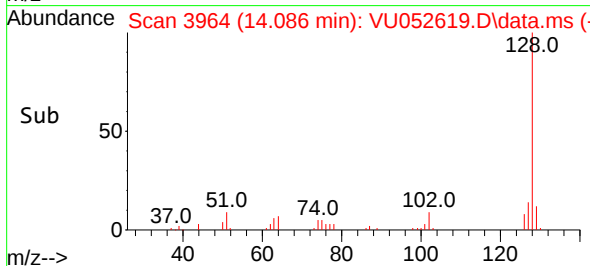
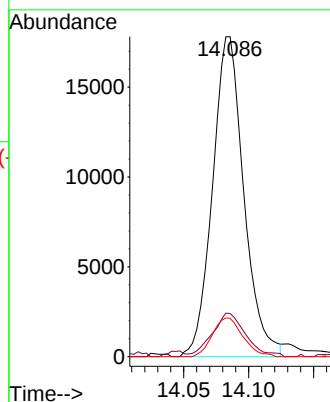
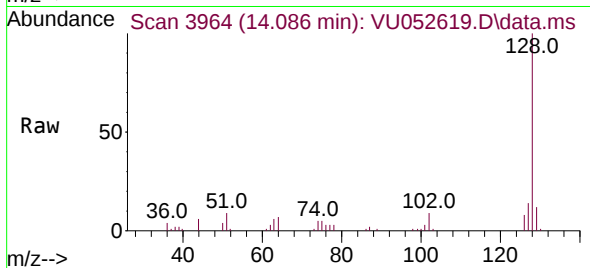




#71
Naphthalene
Concen: 3.378 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005061

Tgt Ion:	128	Resp:	29845
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.8	16.2
129	11.8	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 4.187 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052619.D
Acq: 06 Jan 2023 10:49

Tgt Ion:	180	Resp:	11771
Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.4	114.6
145	31.8	27.0	40.4

