

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083022\
 Data File : VU050516.D
 Acq On : 30 Aug 2022 14:49
 Operator : SY/MD
 Sample : VSTD01014
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010014

Quant Time: Aug 31 01:25:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:24:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	375775	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	362647	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	146488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	28826	7.000	ug/L	0.00
7) Chloroethane-d5	1.899	69	24103	7.894	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	48870	8.201	ug/L	0.00
21) 2-Butanone-d5	4.636	46	47119	16.614	ug/L	0.00
24) Chloroform-d	5.063	84	57247	8.385	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	38030	8.890	ug/L	0.00
32) Benzene-d6	5.726	84	115568	9.009	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.693	67	37975	8.855	ug/L	0.00
41) Toluene-d8	7.899	98	93768	8.377	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	13581	7.665	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	21929	13.985	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	56711	8.573	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	31434	9.242	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	22879	8.298	ug/L	96
3) Chloromethane	1.517	50	44080	12.647	ug/L	100
5) Vinyl chloride	1.600	62	37874	11.254	ug/L	99
6) Bromomethane	1.842	94	16950	12.849	ug/L	99
8) Chloroethane	1.922	64	24564	11.965	ug/L	98
9) Trichlorofluoromethane	2.131	101	42512	10.204	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	24283	9.579	ug/L	99
12) 1,1-Dichloroethene	2.575	96	26506	11.326	ug/L	96
13) Acetone	2.633	43	39395	20.134	ug/L	99
14) Carbon disulfide	2.787	76	60068	10.190	ug/L	97
15) Methyl Acetate	2.951	43	41454	11.624	ug/L	97
16) Methylene chloride	3.041	84	48341	14.506	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	28765	11.627	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	95101	11.900	ug/L	98
19) 1,1-Dichloroethane	3.867	63	61153	11.476	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	32956	11.104	ug/L	96
22) 2-Butanone	4.713	43	60131	22.367	ug/L	96
23) Bromochloromethane	4.973	128	18637	11.493	ug/L	97
25) Chloroform	5.086	83	62875	11.154	ug/L	98
27) 1,2-Dichloroethane	5.796	62	49093	11.502	ug/L	99
29) Cyclohexane	5.388	56	35338	10.479	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	45290	10.877	ug/L	99
31) Carbon tetrachloride	5.523	117	33214	9.893	ug/L	99
33) Benzene	5.774	78	139016	12.333	ug/L	100
34) Trichloroethene	6.542	95	31156	11.787	ug/L	99
35) Methylcyclohexane	6.761	83	35311	9.773	ug/L	99
37) 1,2-Dichloropropane	6.790	63	37967	11.666	ug/L	99
38) Bromodichloromethane	7.105	83	40804	10.044	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	44100	10.320	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	99068	22.501	ug/L	97
42) Toluene	7.970	91	130005	11.507	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	39912	10.065	ug/L	98

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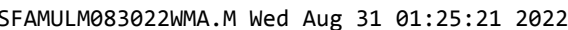
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010014

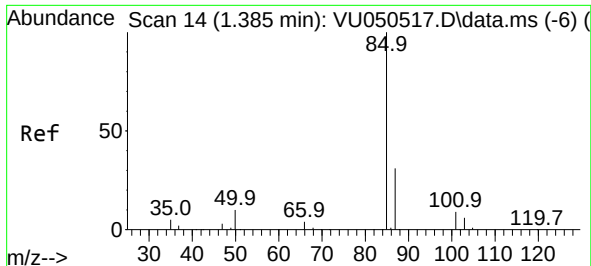
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:24:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	36450	11.401	ug/L	98
46) Tetrachloroethene	8.552	164	21194	11.033	ug/L	97
48) 2-Hexanone	8.687	43	82037	22.294	ug/L	99
49) Dibromochloromethane	8.809	129	29231	9.105	ug/L	97
50) 1,2-Dibromoethane	8.925	107	36523	11.332	ug/L	97
51) Chlorobenzene	9.449	112	82379	11.172	ug/L	99
52) Ethylbenzene	9.571	91	118273	10.449	ug/L	99
53) m,p-Xylene	9.693	106	43289	10.239	ug/L	99
54) o-Xylene	10.102	106	44011	10.386	ug/L	100
55) Styrene	10.115	104	70624	9.877	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	62604	10.794	ug/L	98
59) Bromoform	10.291	173	20052	9.653	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	48761	12.546	ug/L	100
61) Isopropylbenzene	10.484	105	101745	11.010	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	80149	10.664	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	75935	10.375	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	50353	11.213	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	51444	11.422	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	54904	11.561	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.995	75	9687	9.611	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	33373	10.879	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	28598	11.595	ug/L	98
71) Naphthalene	14.089	128	101644	12.148	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	32740	12.034	ug/L	99

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

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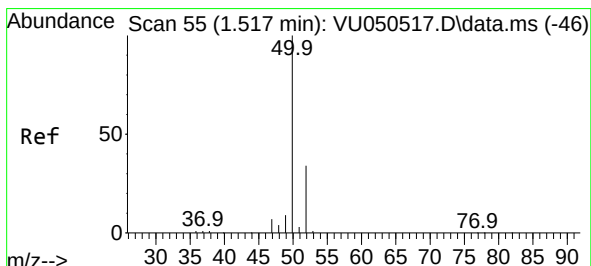
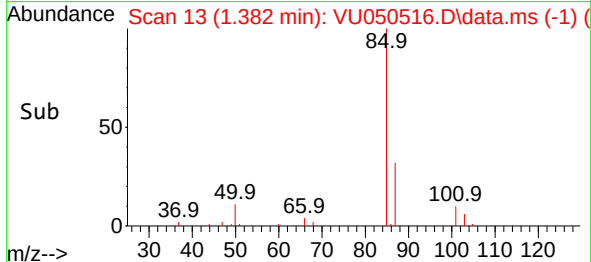
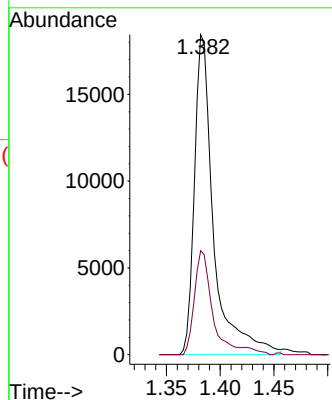
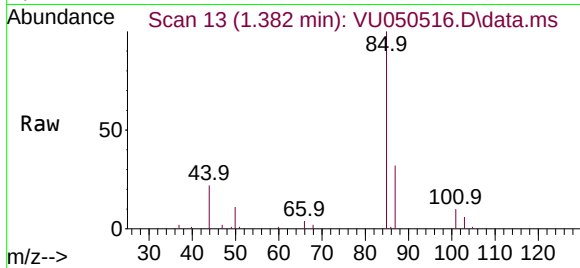




#2
Dichlorodifluoromethane
Concen: 8.298 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

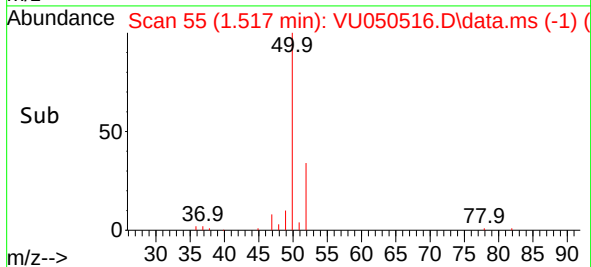
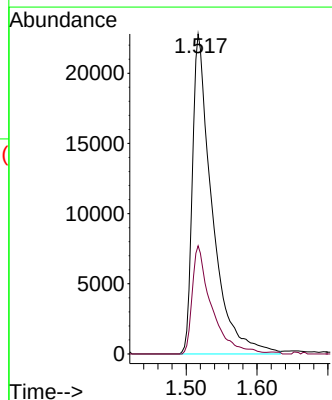
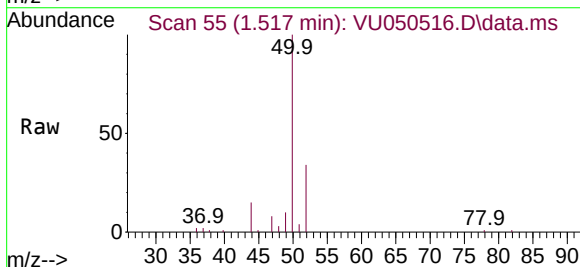
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

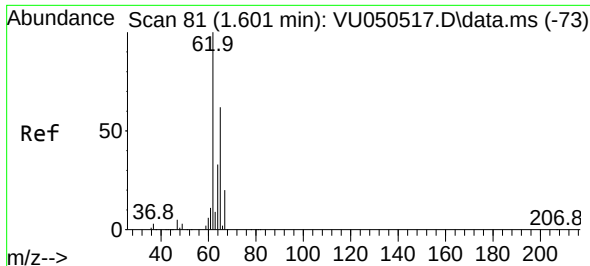
Tgt Ion: 85 Resp: 22879
Ion Ratio Lower Upper
85 100
87 29.7 25.5 38.3



#3
Chloromethane
Concen: 12.647 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 50 Resp: 44080
Ion Ratio Lower Upper
50 100
52 33.8 23.6 43.8

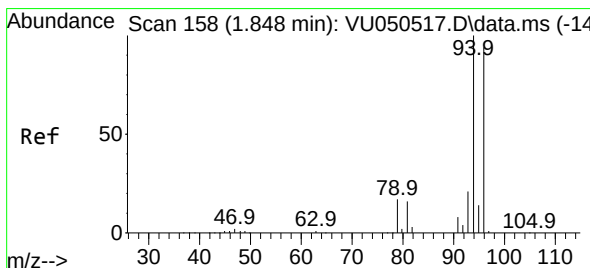
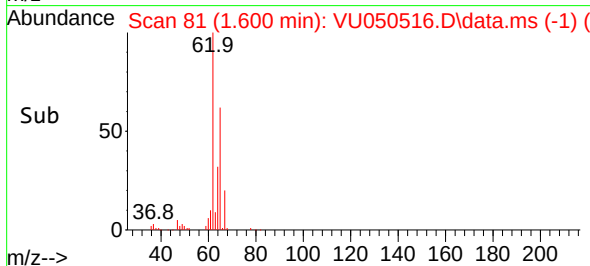
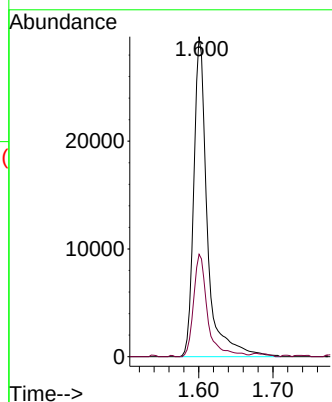
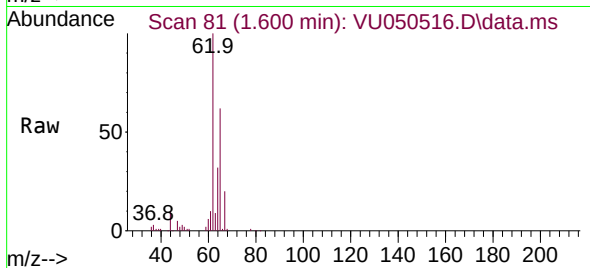




#5
 Vinyl chloride
 Concen: 11.254 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

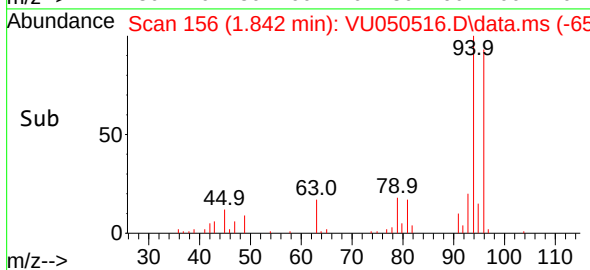
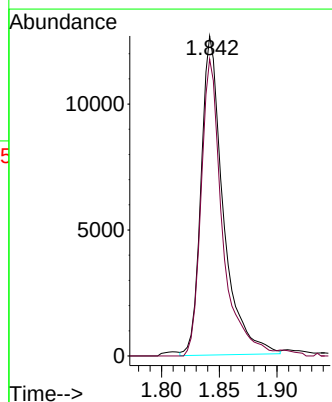
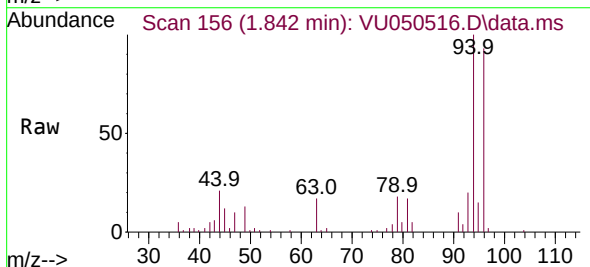
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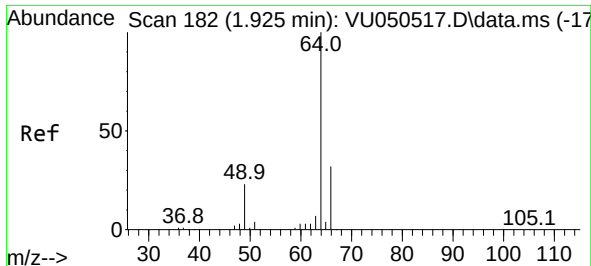
Tgt Ion: 62 Resp: 37874
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.9 42.5



#6
 Bromomethane
 Concen: 12.849 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.007 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

Tgt Ion: 94 Resp: 16950
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.9 122.3

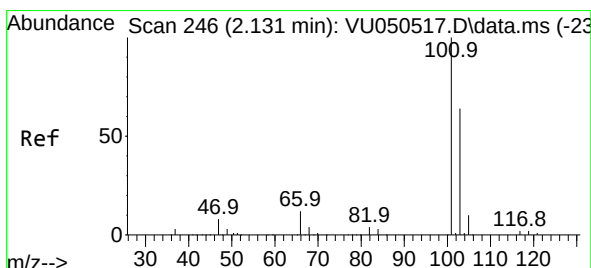
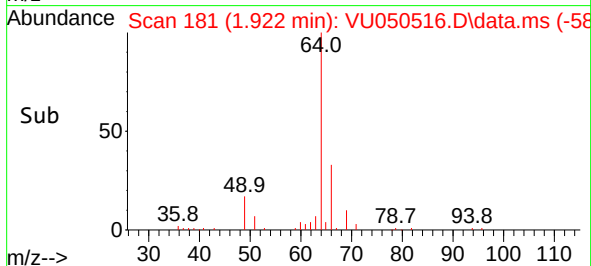
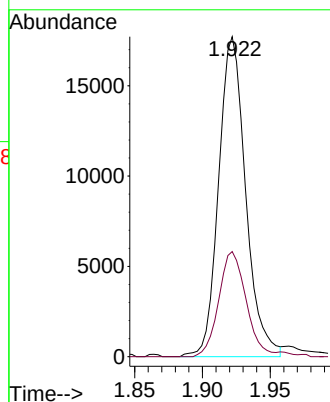
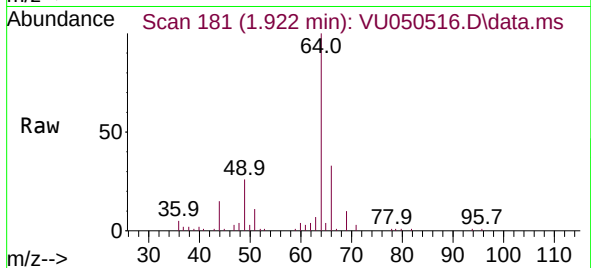




#8
Chloroethane
Concen: 11.965 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

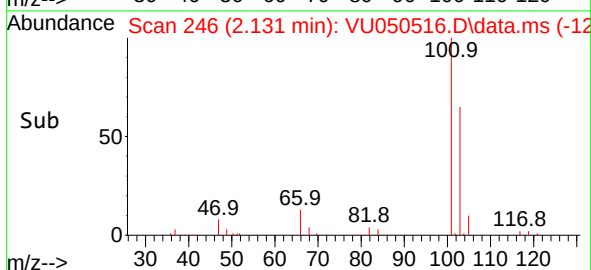
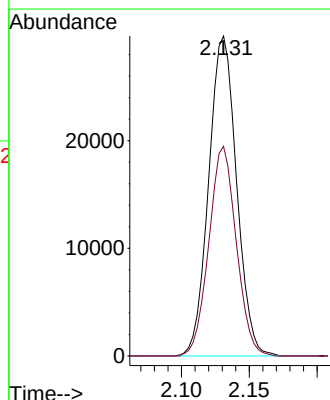
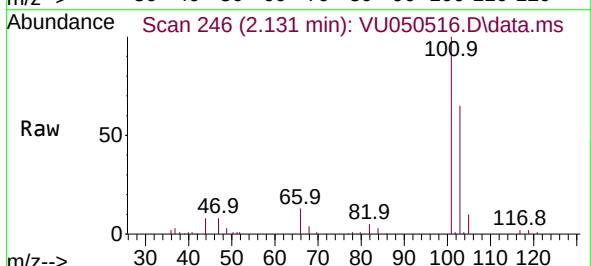
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ClientSampleId :
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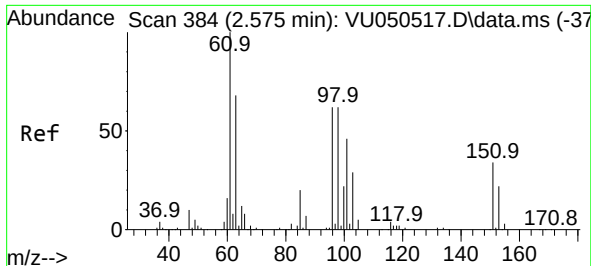
Tgt Ion: 64 Resp: 24564
Ion Ratio Lower Upper
64 100
66 32.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 10.204 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:101 Resp: 42512
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

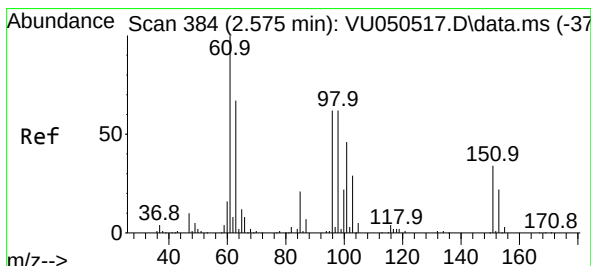
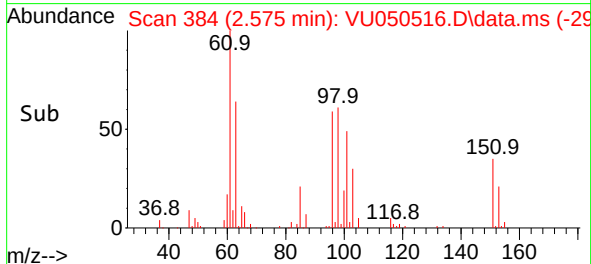
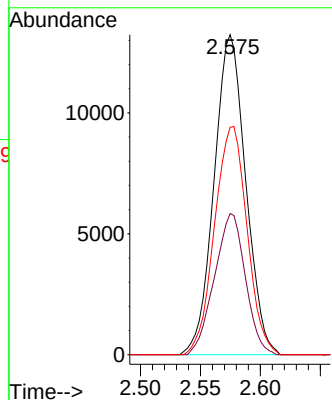
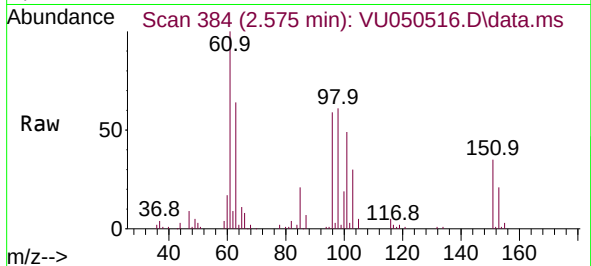




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.579 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

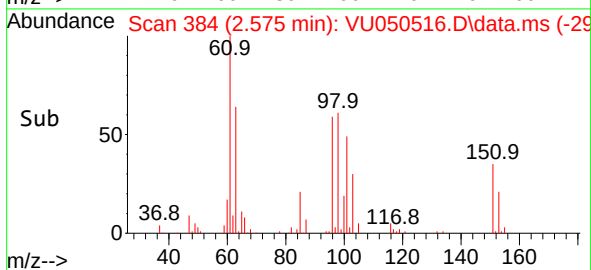
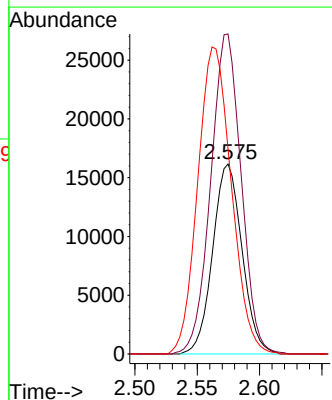
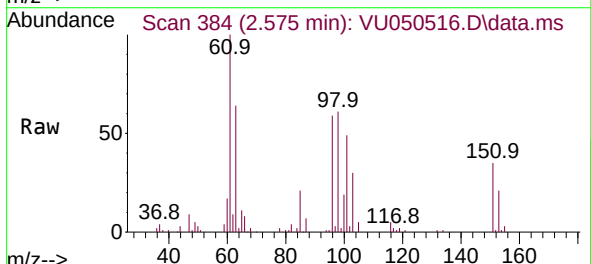
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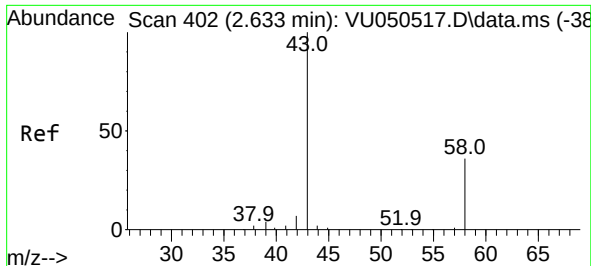
Tgt Ion:101 Resp: 24283
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.6 52.0
 151 73.3 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 11.326 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

Tgt Ion: 96 Resp: 26506
 Ion Ratio Lower Upper
 96 100
 61 168.5 113.5 210.9
 63 107.9 78.0 144.9





#13

Acetone

Concen: 20.134 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

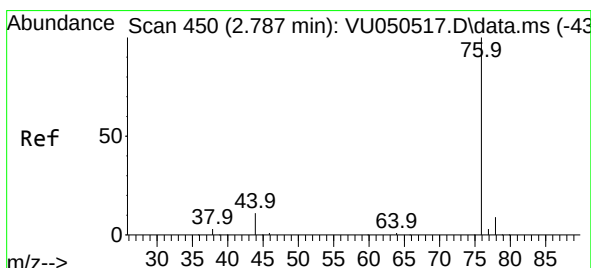
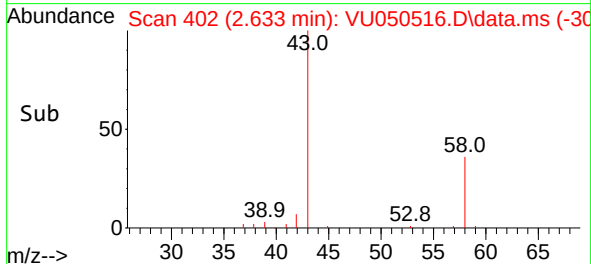
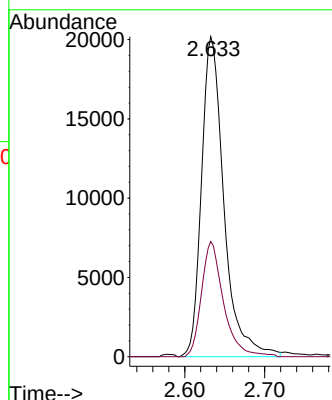
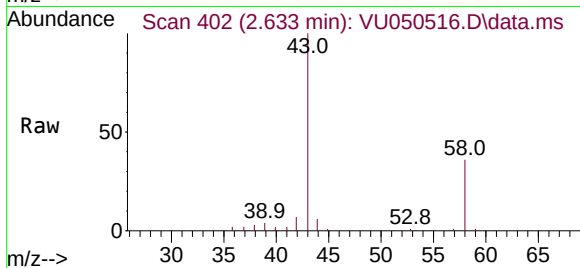
VSTD010014

Tgt Ion: 43 Resp: 39395

Ion Ratio Lower Upper

43 100

58 35.4 0.0 71.6



#14

Carbon disulfide

Concen: 10.190 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU050516.D

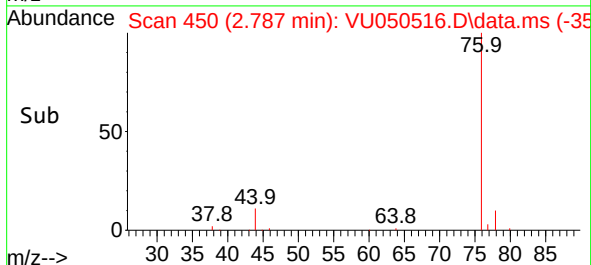
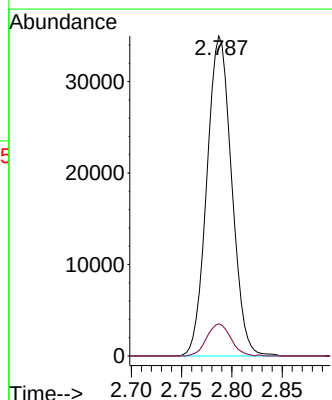
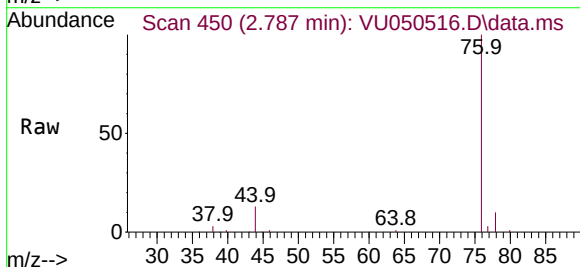
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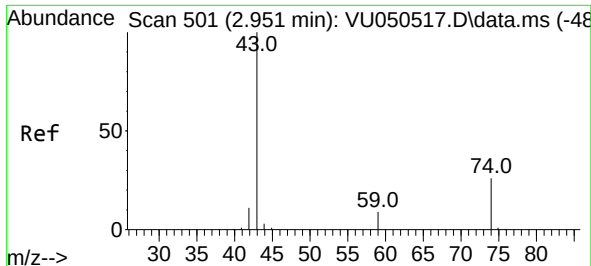
Tgt Ion: 76 Resp: 60068

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

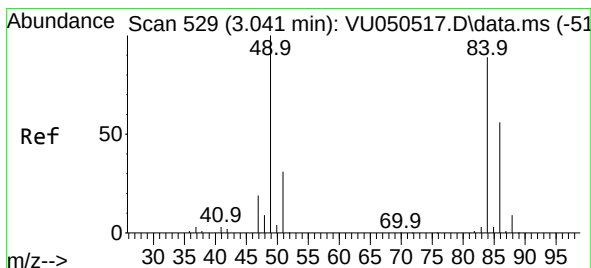
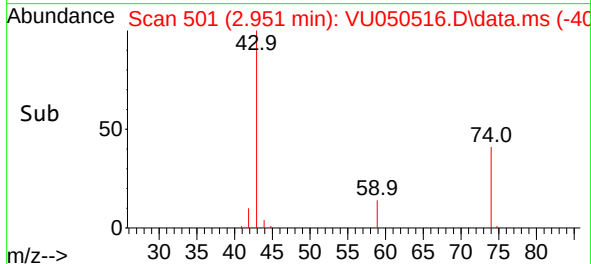
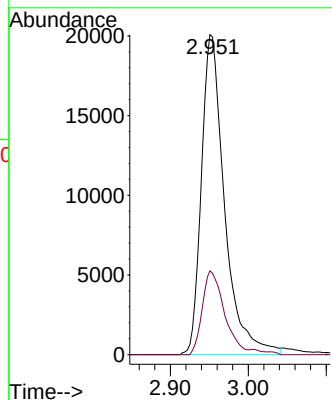
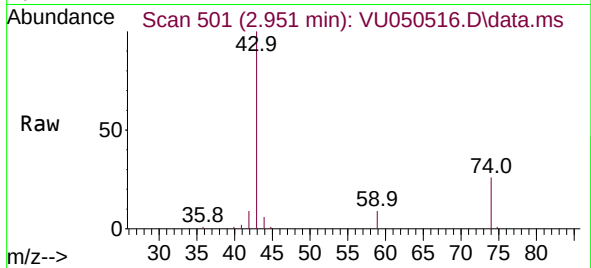




#15
Methyl Acetate
Concen: 11.624 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

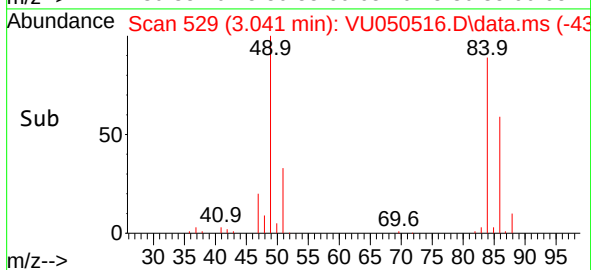
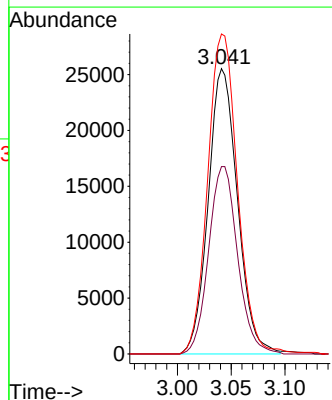
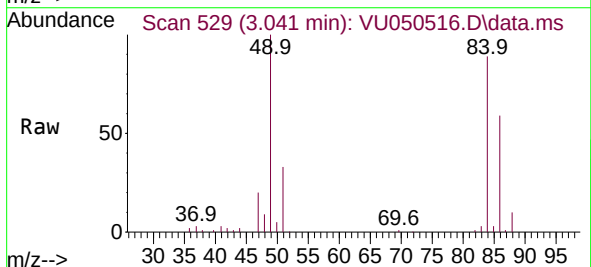
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ClientSampleId :
VSTD010014

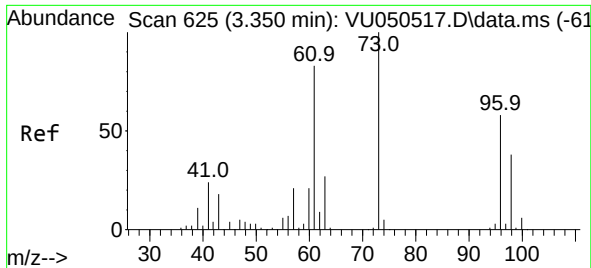
Tgt Ion: 43 Resp: 41454
Ion Ratio Lower Upper
43 100
74 24.8 21.0 31.6



#16
Methylene chloride
Concen: 14.506 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 84 Resp: 48341
Ion Ratio Lower Upper
84 100
86 65.7 44.3 82.3
49 112.2 78.8 146.3

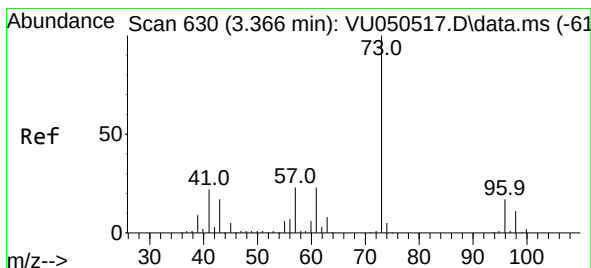
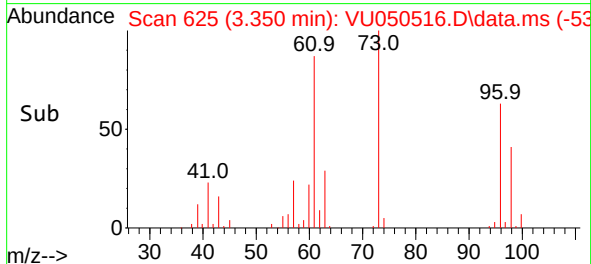
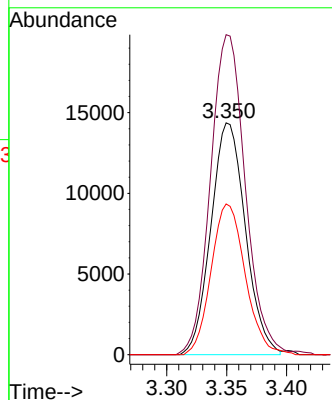
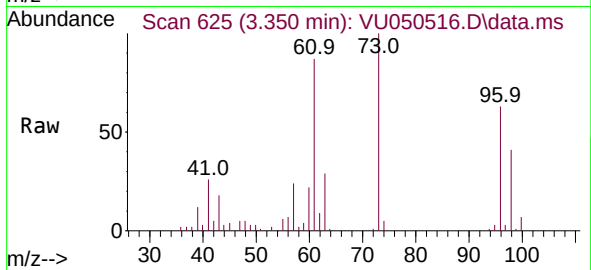




#17
trans-1,2-Dichloroethene
Concen: 11.627 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

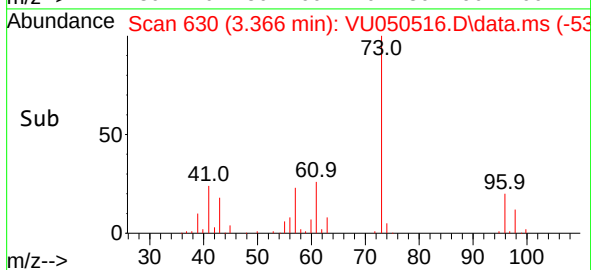
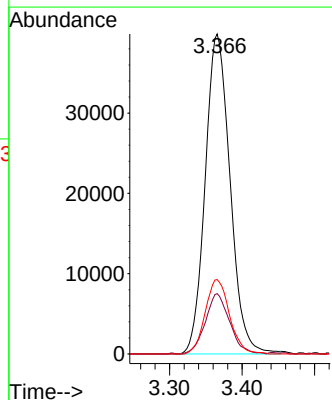
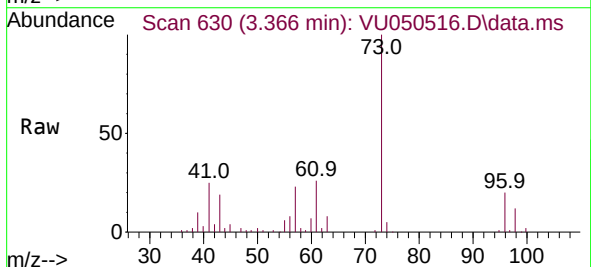
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

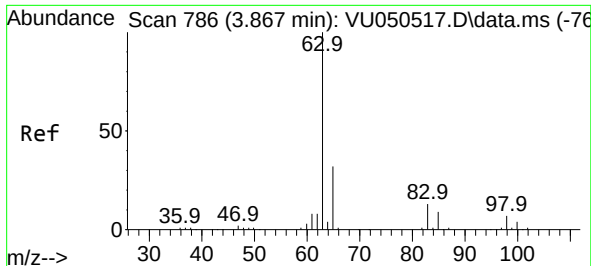
Tgt Ion: 96 Resp: 28765
Ion Ratio Lower Upper
96 100
61 138.0 99.7 185.1
98 65.0 46.2 85.8



#18
Methyl tert-butyl Ether
Concen: 11.900 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 73 Resp: 95101
Ion Ratio Lower Upper
73 100
43 18.3 13.9 20.9
57 22.7 17.8 26.6





#19

1,1-Dichloroethane

Concen: 11.476 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD010014

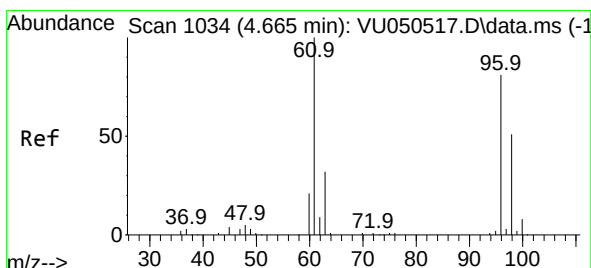
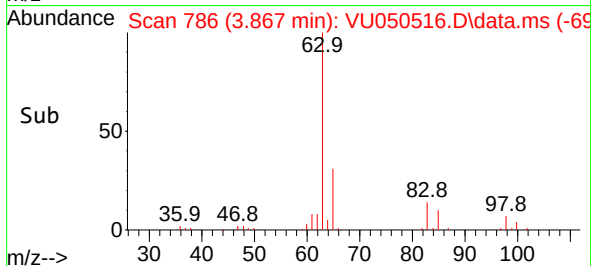
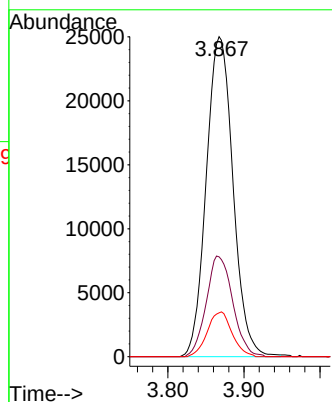
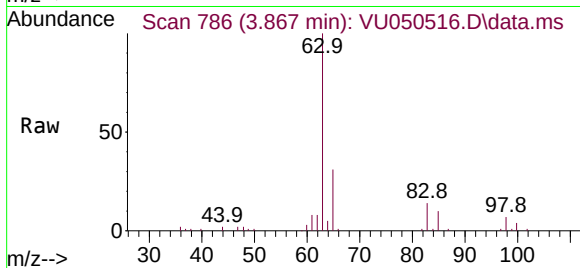
Tgt Ion: 63 Resp: 61153

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.9

83 13.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 11.104 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

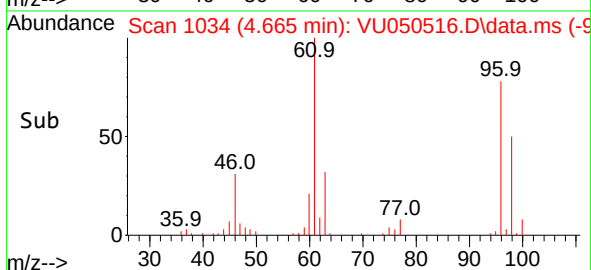
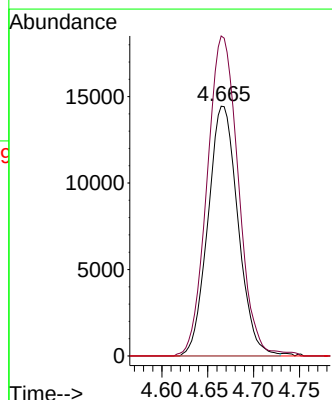
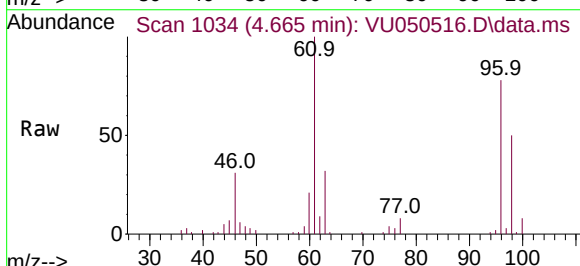
Tgt Ion: 96 Resp: 32956

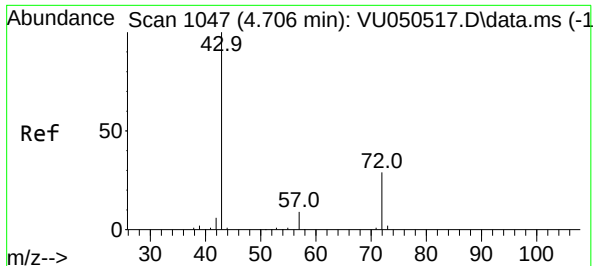
Ion Ratio Lower Upper

96 100

61 128.1 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 22.367 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

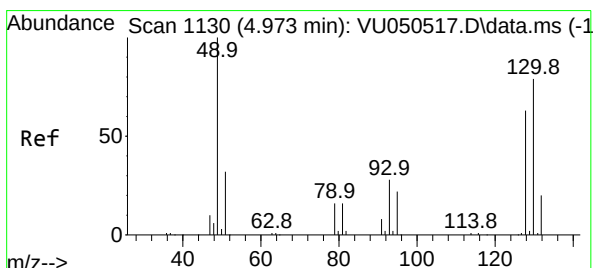
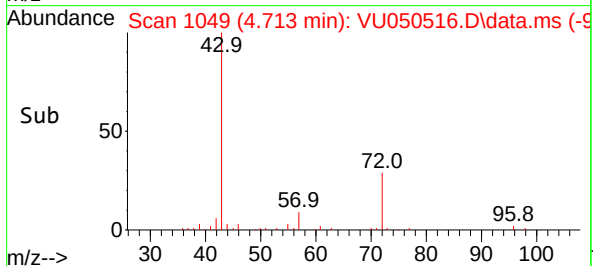
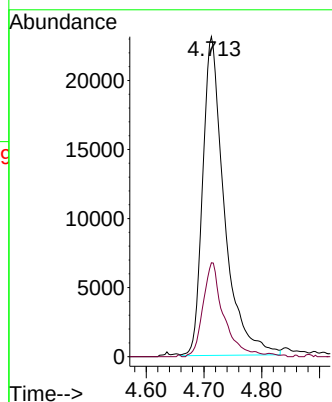
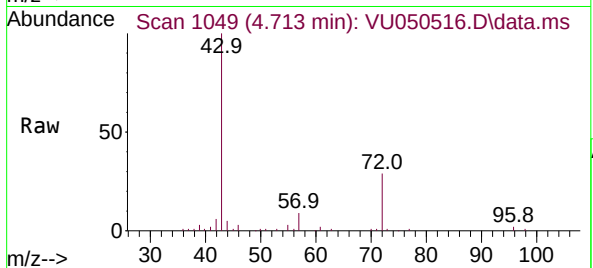
VSTD010014

Tgt Ion: 43 Resp: 60131

Ion Ratio Lower Upper

43 100

72 27.5 14.8 44.3



#23

Bromochloromethane

Concen: 11.493 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Tgt Ion: 128 Resp: 18637

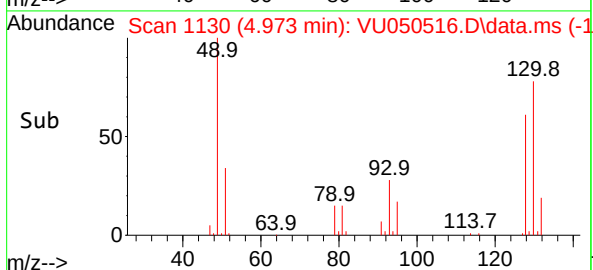
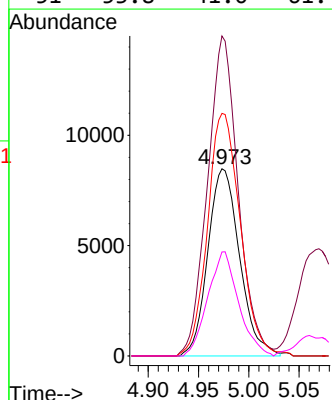
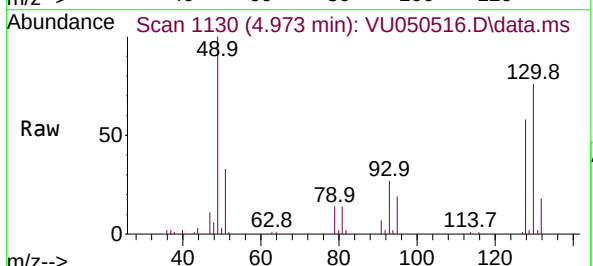
Ion Ratio Lower Upper

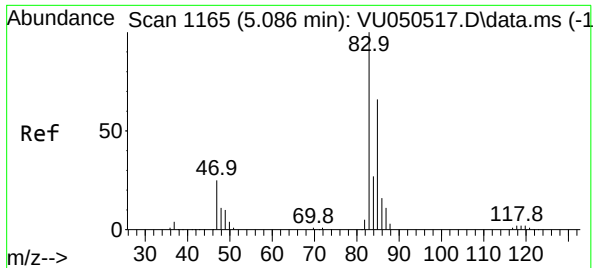
128 100

49 165.6 111.9 207.7

130 125.6 87.8 163.0

51 53.8 41.0 61.4

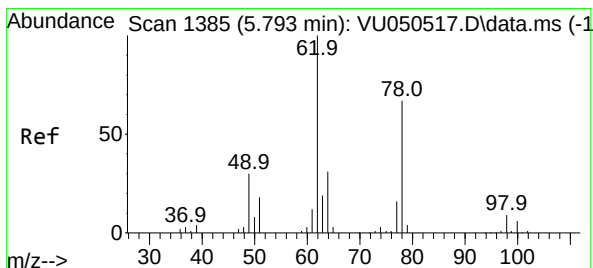
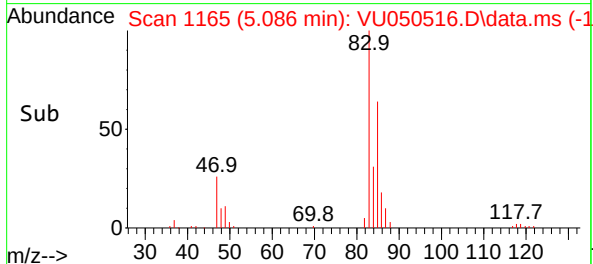
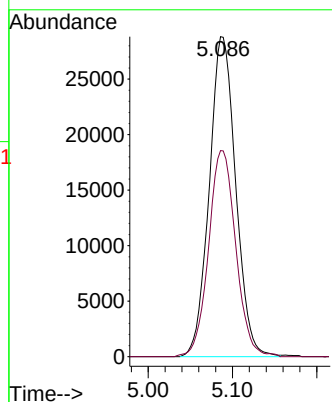
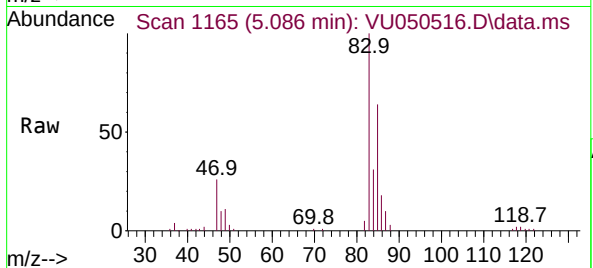




#25
Chloroform
Concen: 11.154 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

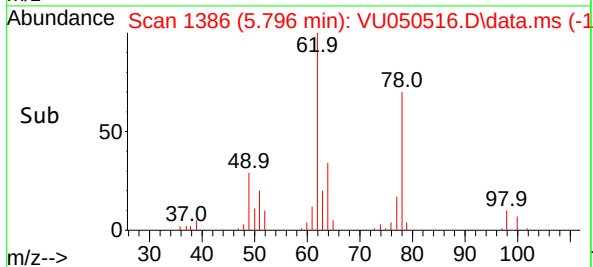
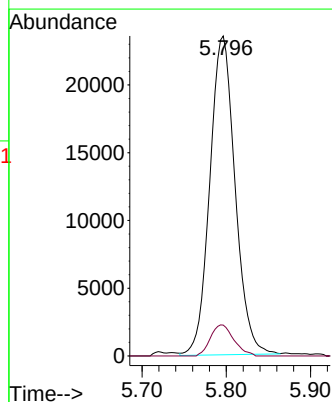
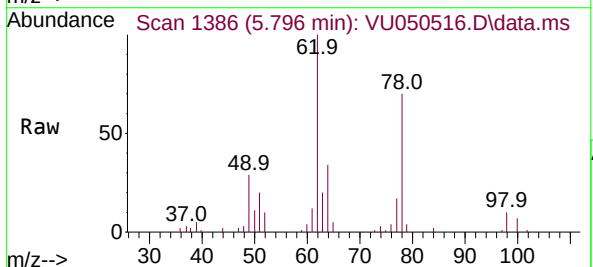
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

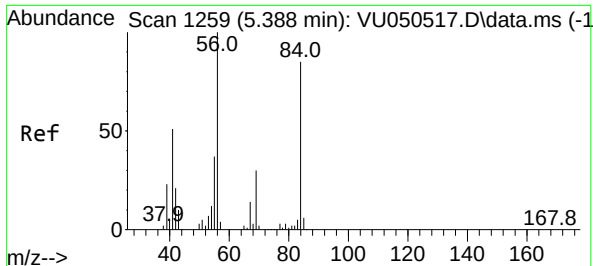
Tgt Ion: 83 Resp: 62875
Ion Ratio Lower Upper
83 100
85 64.4 46.3 85.9



#27
1,2-Dichloroethane
Concen: 11.502 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 62 Resp: 49093
Ion Ratio Lower Upper
62 100
98 9.6 7.5 11.3





#29

Cyclohexane

Concen: 10.479 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD010014

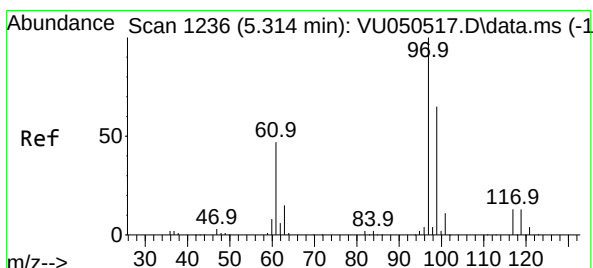
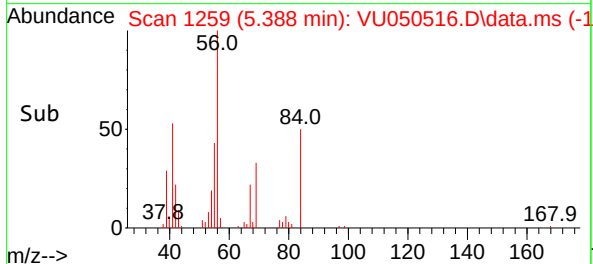
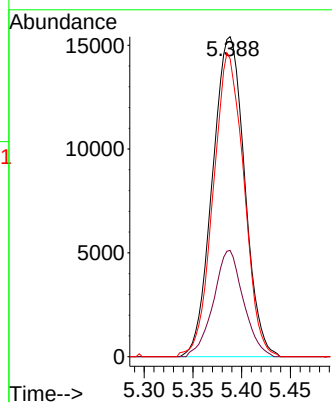
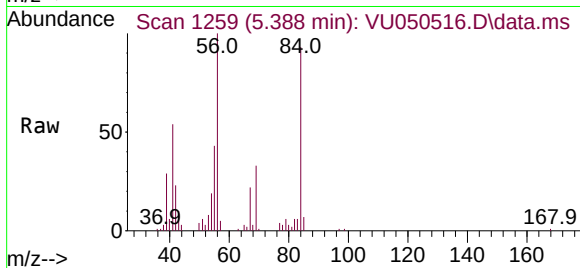
Tgt Ion: 56 Resp: 35338

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 90.4 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 10.877 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

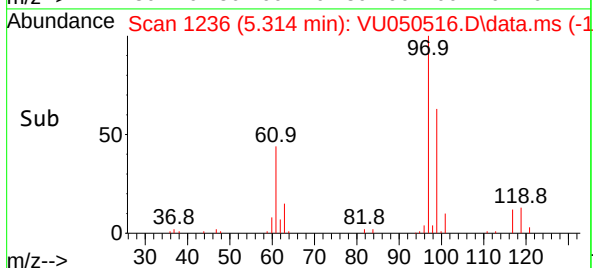
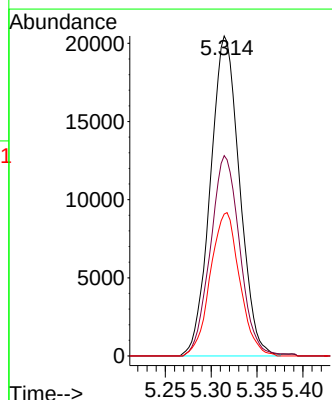
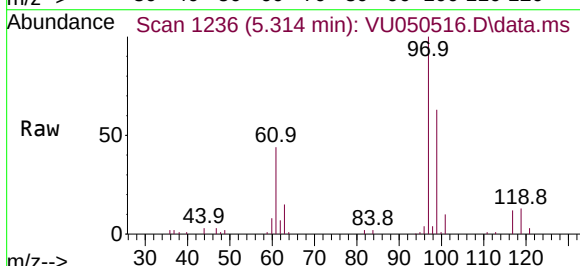
Tgt Ion: 97 Resp: 45290

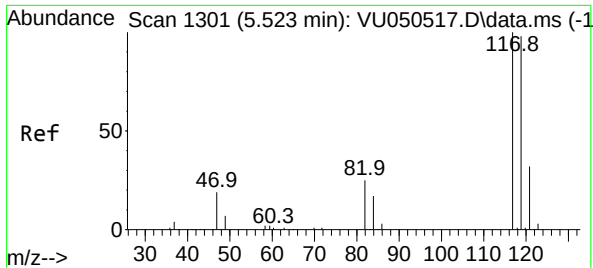
Ion Ratio Lower Upper

97 100

99 63.2 51.5 77.3

61 45.1 36.4 54.6

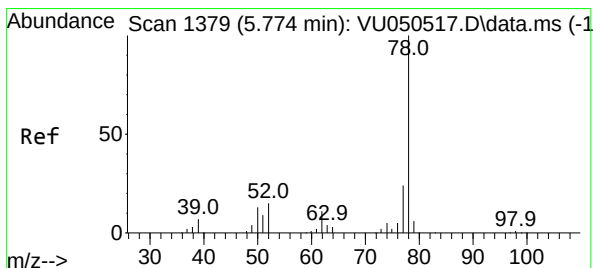
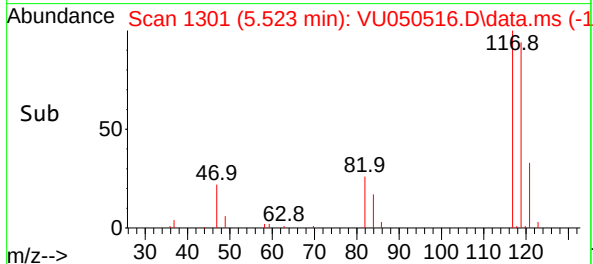
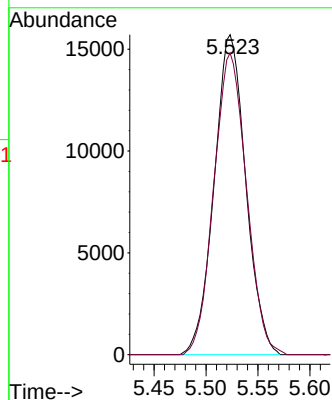
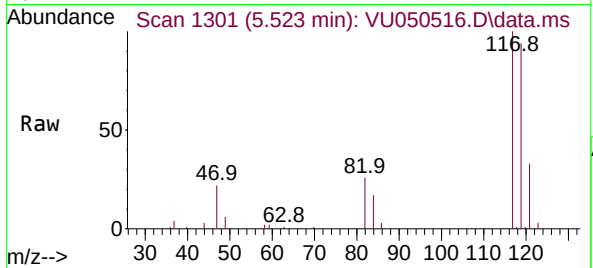




#31
Carbon tetrachloride
Concen: 9.893 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

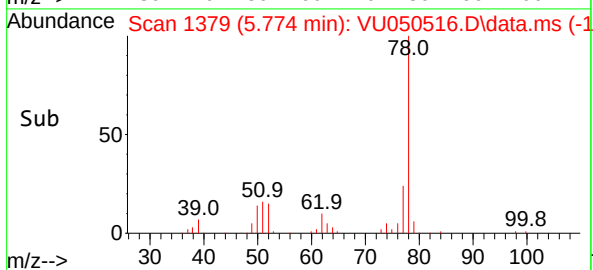
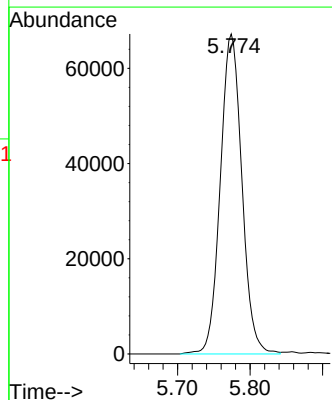
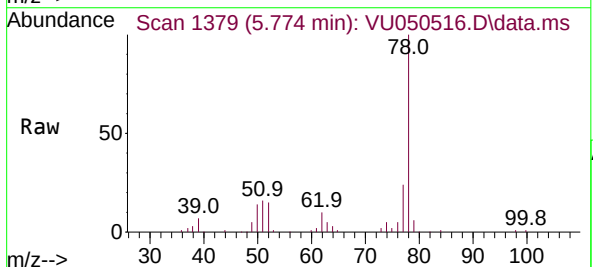
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

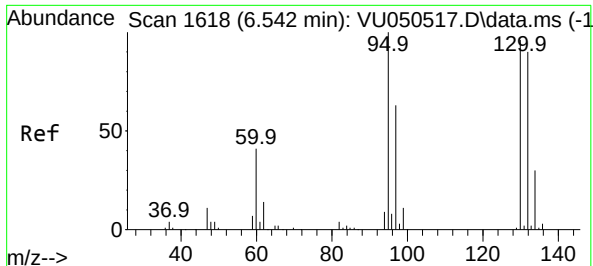
Tgt Ion:117 Resp: 33214
Ion Ratio Lower Upper
117 100
119 97.2 78.8 118.2



#33
Benzene
Concen: 12.333 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 78 Resp: 139016

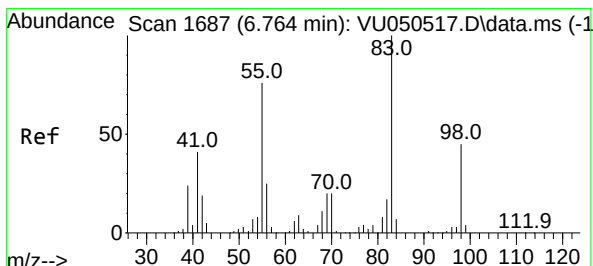
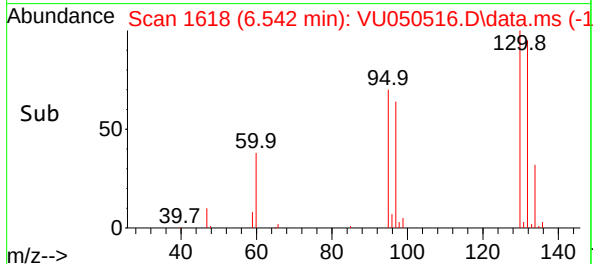
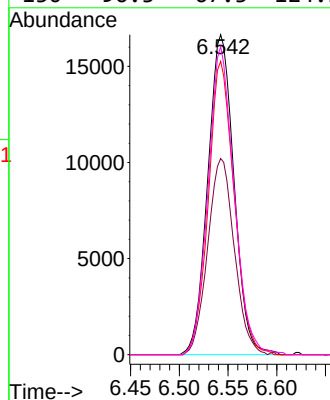
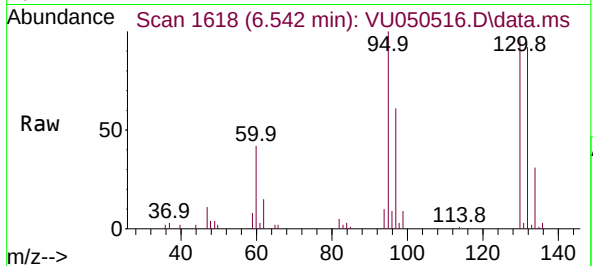




#34
Trichloroethene
Concen: 11.787 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

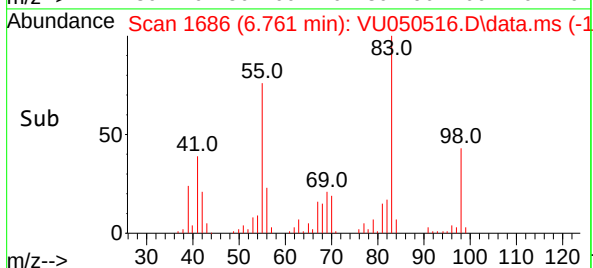
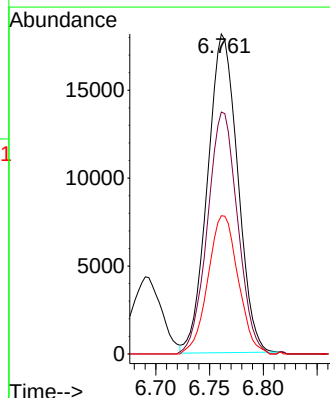
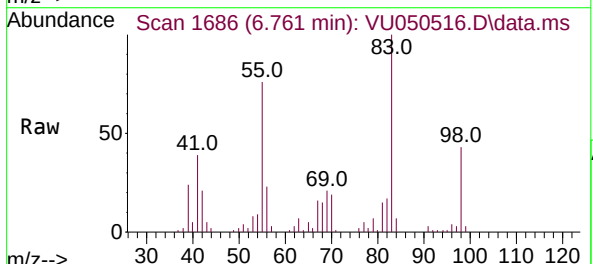
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

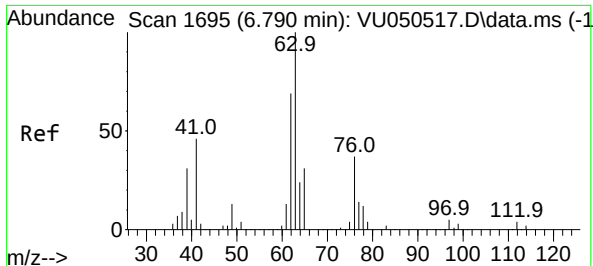
Tgt Ion:	95	Resp:	31156
Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.2	82.2
132	91.7	63.2	117.4
130	96.3	67.3	124.9



#35
Methylcyclohexane
Concen: 9.773 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:	83	Resp:	35311
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.4
98	43.5	35.7	53.5





#37

1,2-Dichloropropane

Concen: 11.666 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

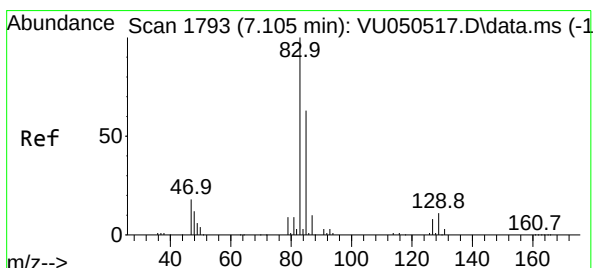
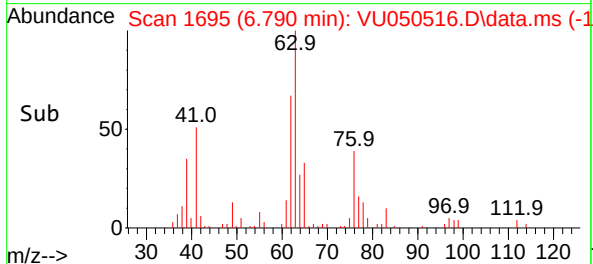
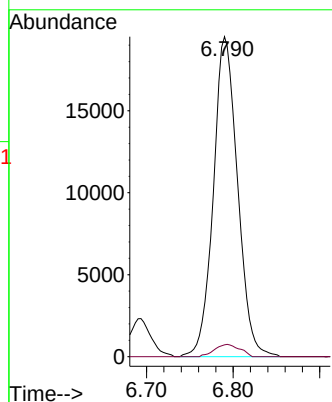
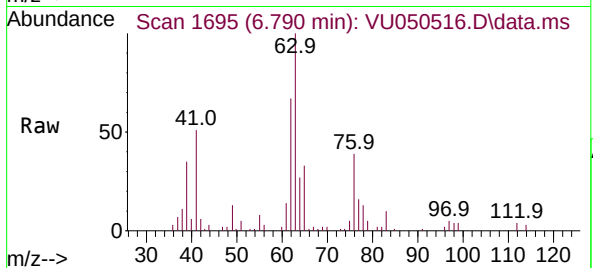
VSTD010014

Tgt Ion: 63 Resp: 37967

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 10.044 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

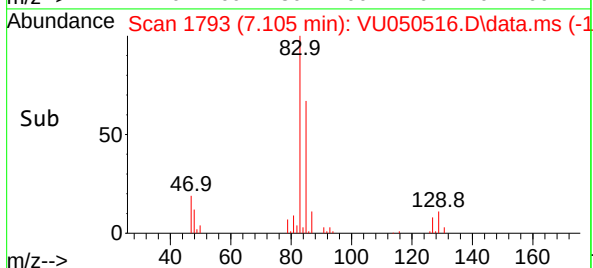
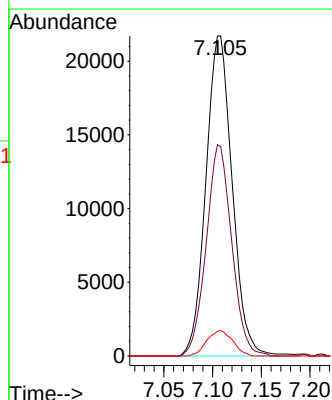
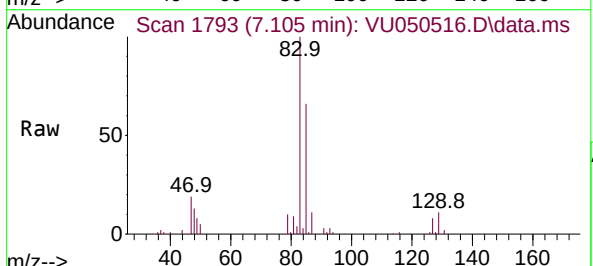
Tgt Ion: 83 Resp: 40804

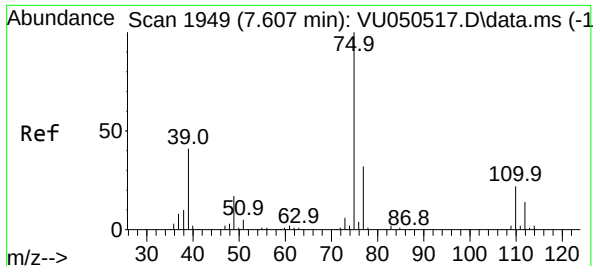
Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.4

127 7.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 10.320 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

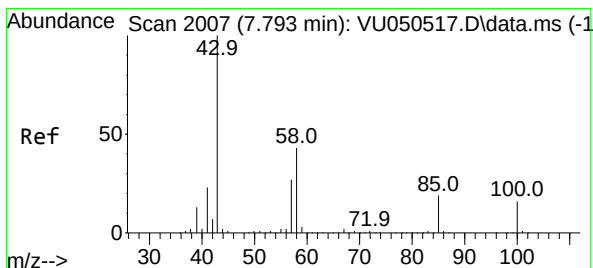
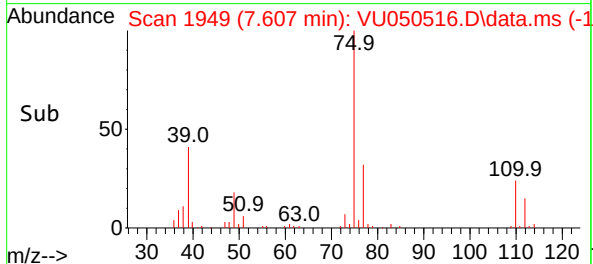
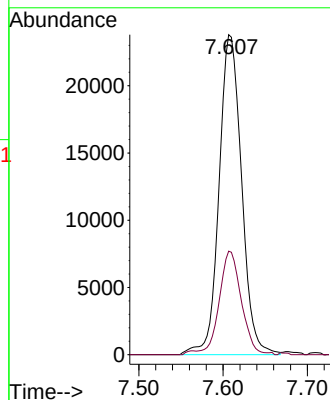
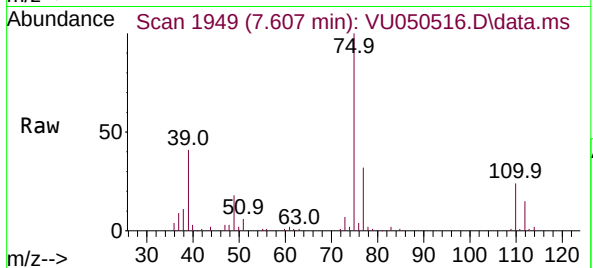
VSTD010014

Tgt Ion: 75 Resp: 44100

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 22.501 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

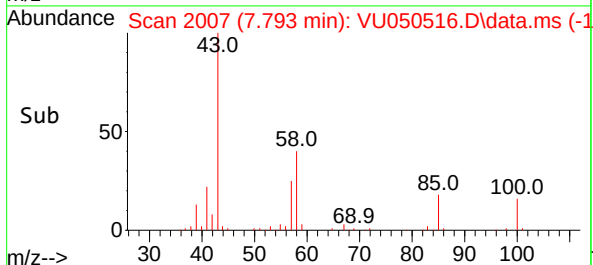
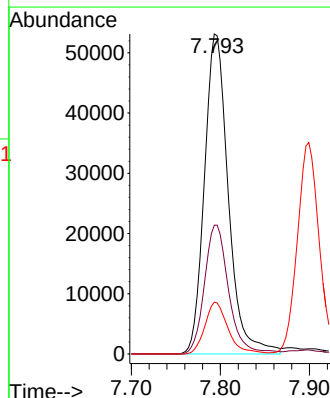
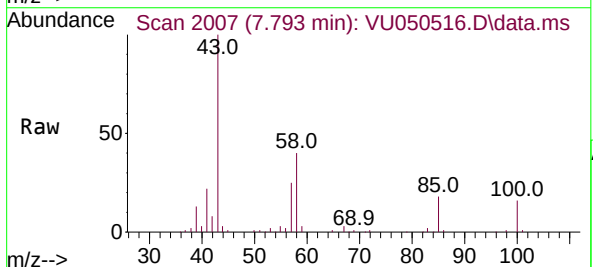
Tgt Ion: 43 Resp: 99068

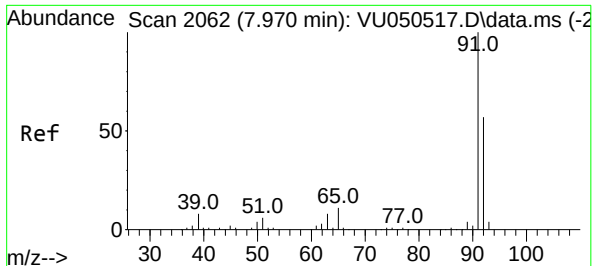
Ion Ratio Lower Upper

43 100

58 40.3 34.2 51.4

100 15.7 12.9 19.3





#42

Toluene

Concen: 11.507 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

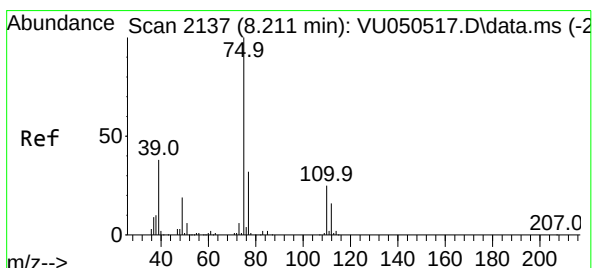
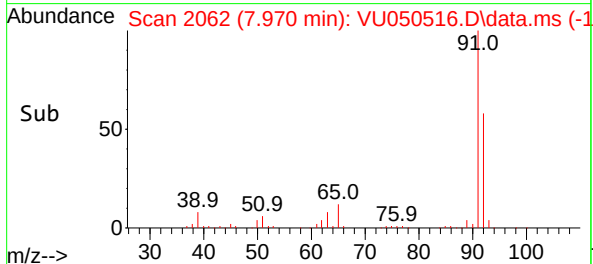
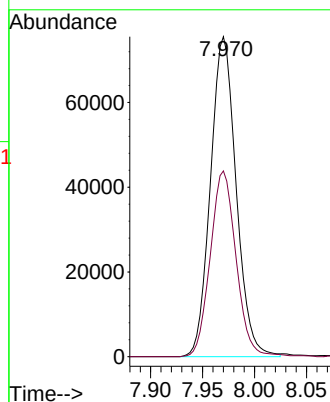
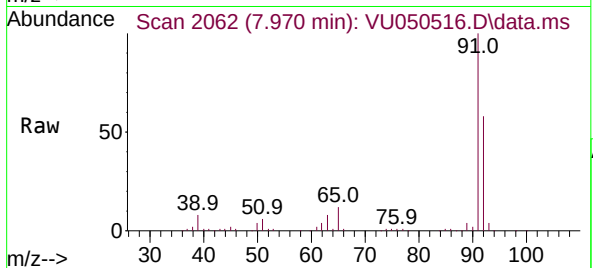
VSTD010014

Tgt Ion: 91 Resp: 130005

Ion Ratio Lower Upper

91 100

92 58.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 10.065 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU050516.D

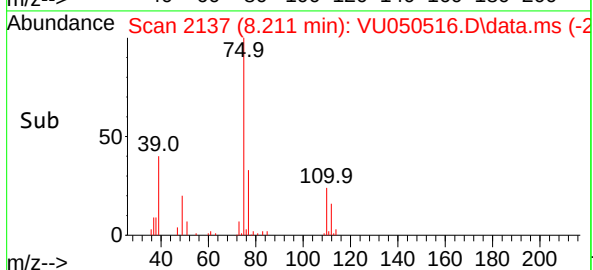
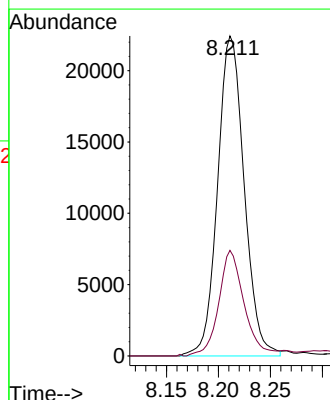
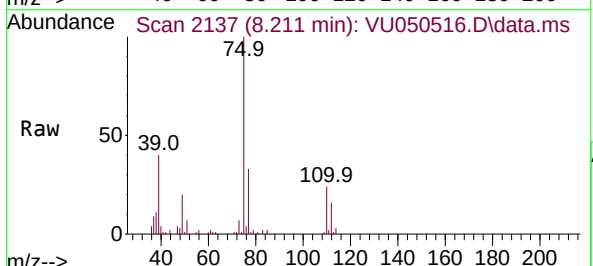
Acq: 30 Aug 2022 14:49

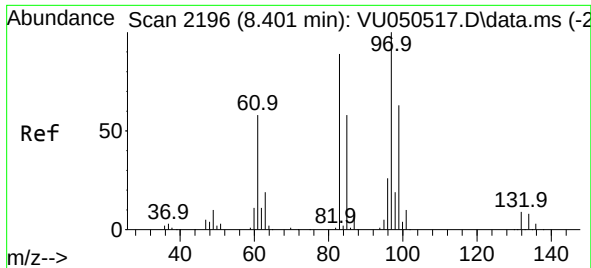
Tgt Ion: 75 Resp: 39912

Ion Ratio Lower Upper

75 100

77 33.0 22.2 41.2

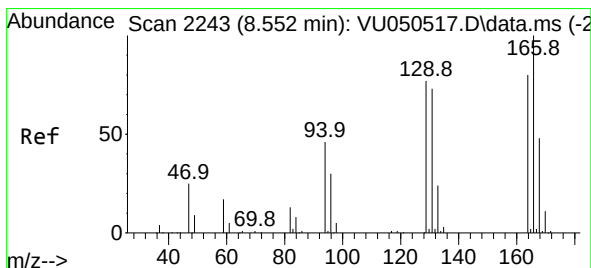
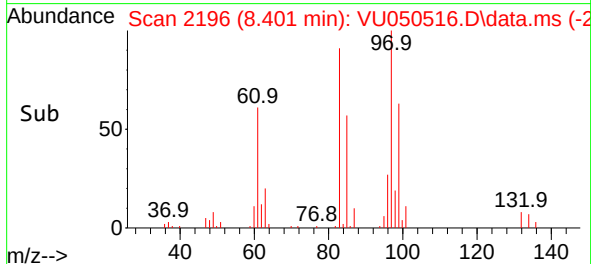
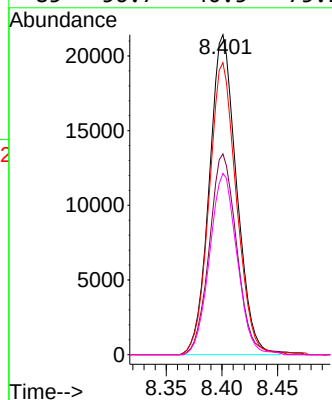
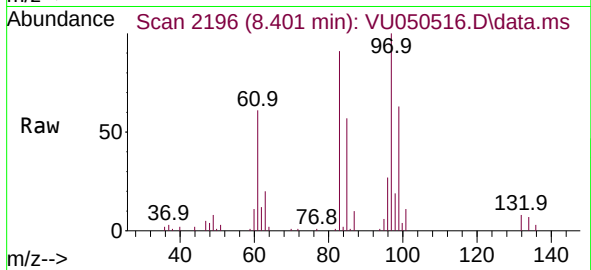




#45
1,1,2-Trichloroethane
Concen: 11.401 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

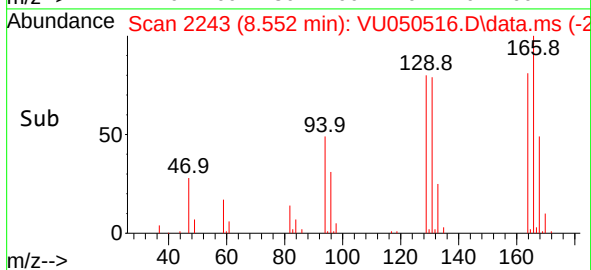
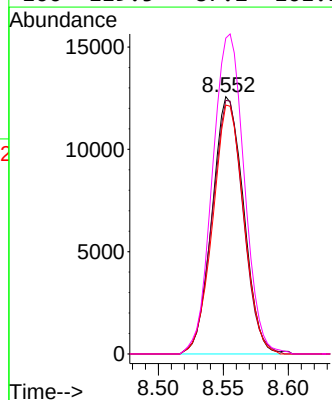
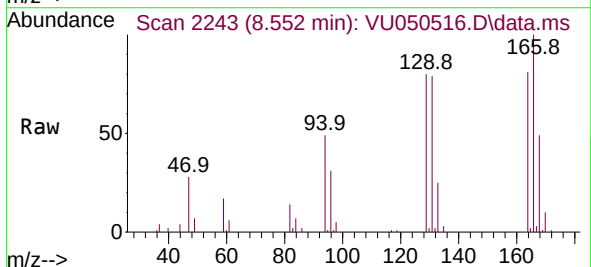
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

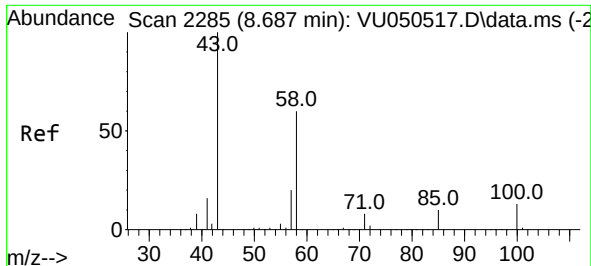
Tgt Ion:	97	Resp:	36450
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.3	82.3
83	91.3	62.1	115.3
85	56.7	40.5	75.1



#46
Tetrachloroethene
Concen: 11.033 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:	164	Resp:	21194
Ion	Ratio	Lower	Upper
164	100		
129	96.0	67.5	125.3
131	94.2	63.8	118.4
166	119.5	87.2	161.9

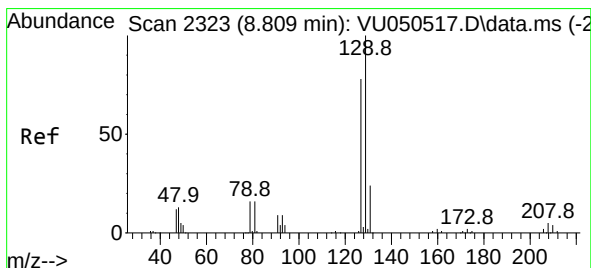
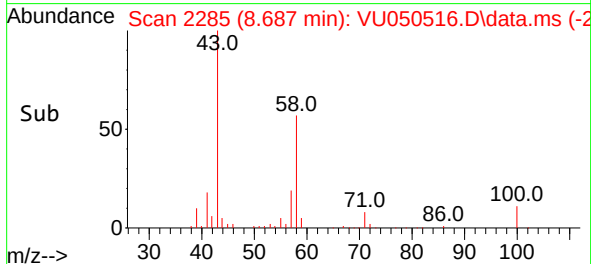
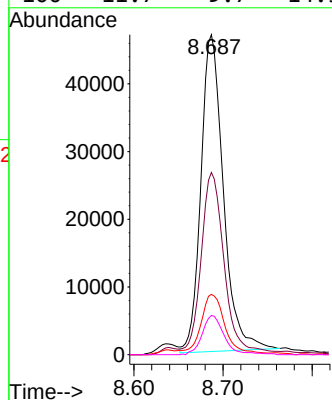
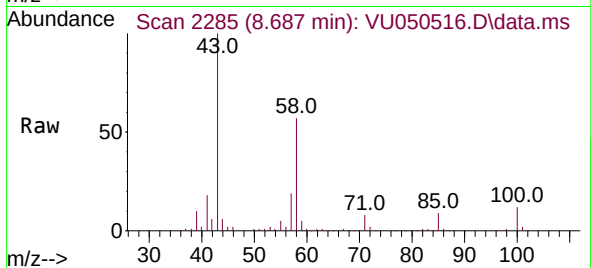




#48
2-Hexanone
Concen: 22.294 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

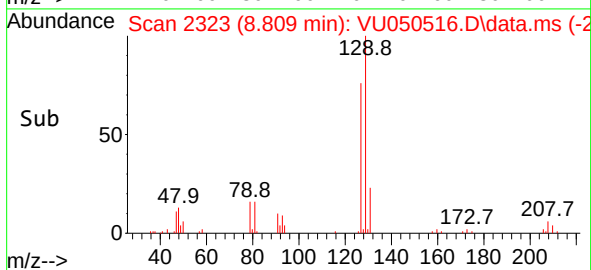
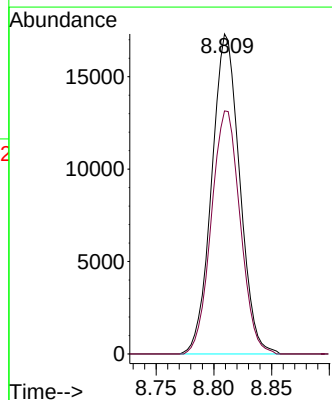
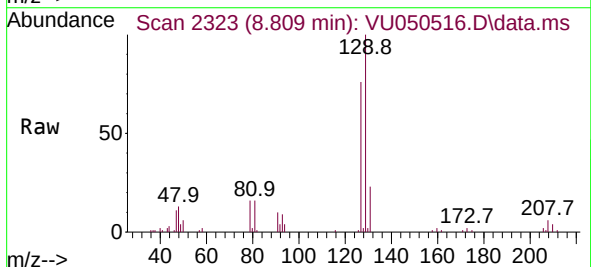
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

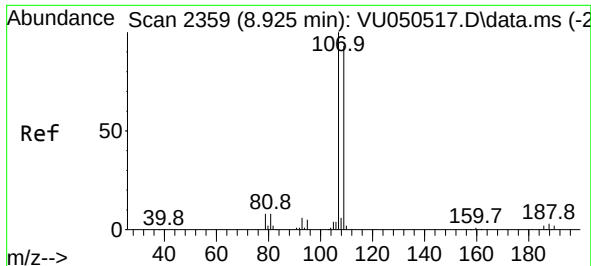
Tgt Ion:	43	Resp:	82037
Ion	Ratio	Lower	Upper
43	100		
58	57.3	46.6	69.8
57	20.4	15.8	23.6
100	11.7	9.7	14.5



#49
Dibromochloromethane
Concen: 9.105 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:	129	Resp:	29231
Ion	Ratio	Lower	Upper
129	100		
127	75.9	54.9	101.9

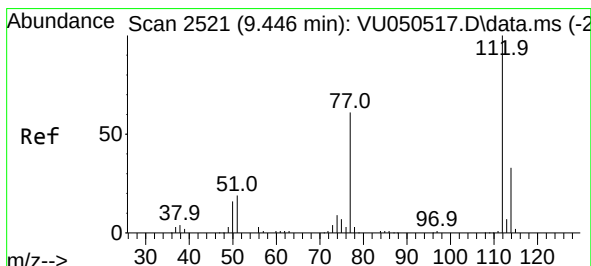
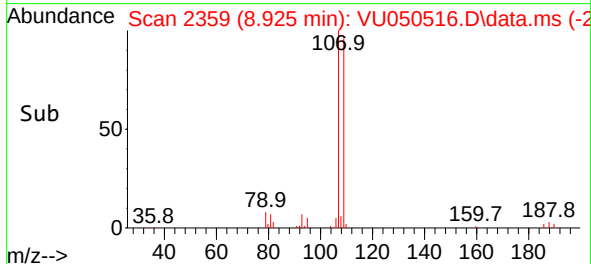
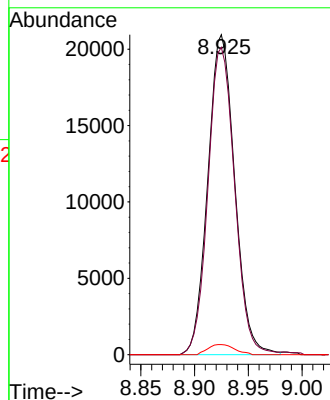
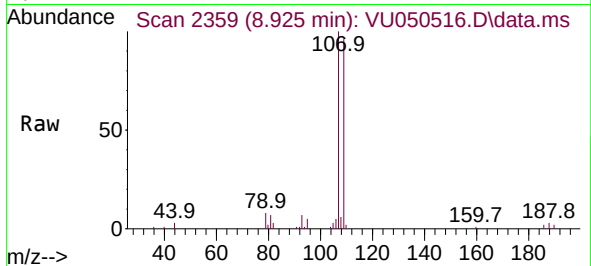




#50
1,2-Dibromoethane
Concen: 11.332 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

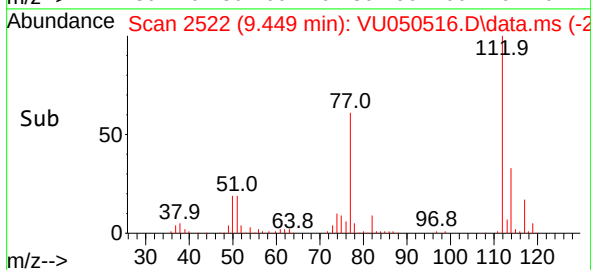
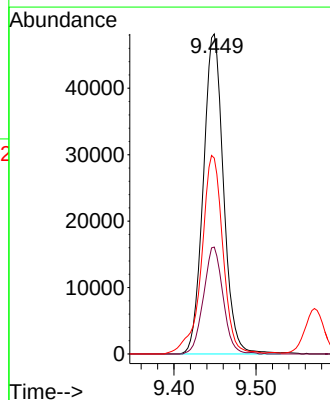
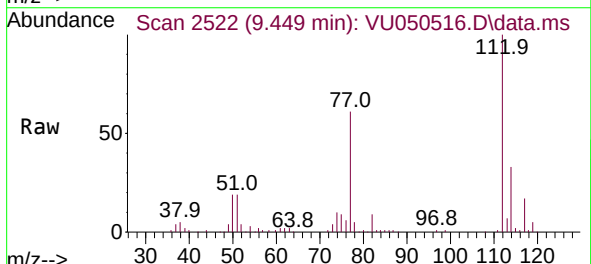
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

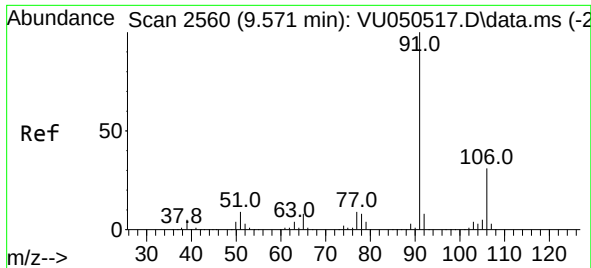
Tgt Ion:107 Resp: 36523
Ion Ratio Lower Upper
107 100
109 96.1 65.2 121.0
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 11.172 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:112 Resp: 82379
Ion Ratio Lower Upper
112 100
114 33.4 23.0 42.6
77 61.2 49.4 74.2

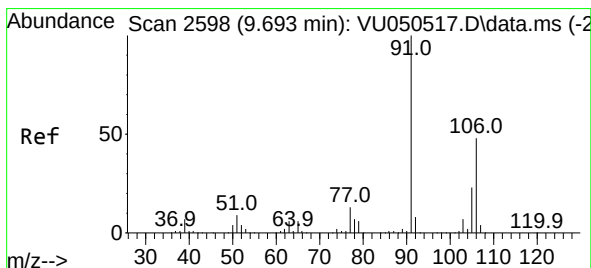
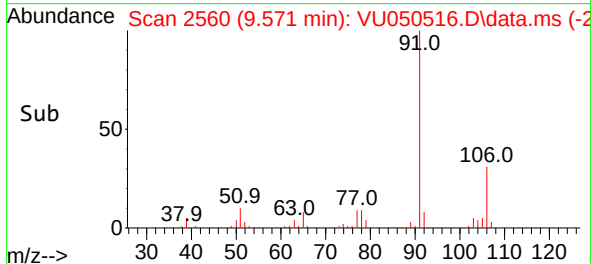
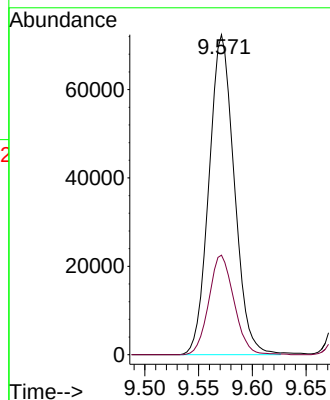
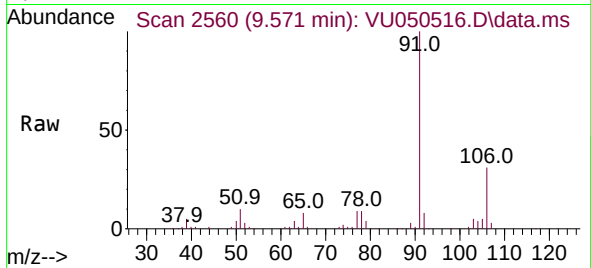




#52
Ethylbenzene
Concen: 10.449 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

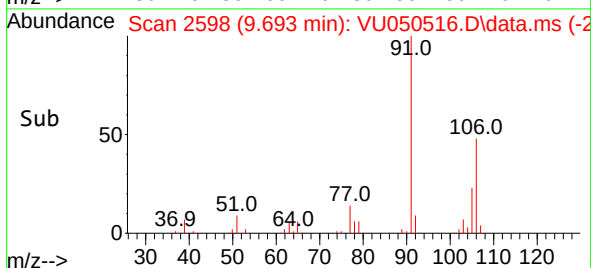
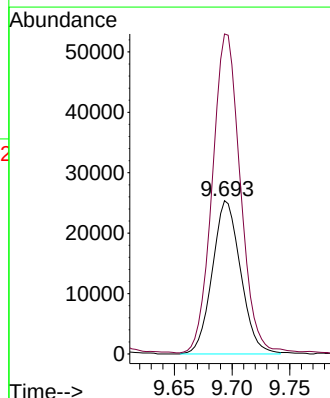
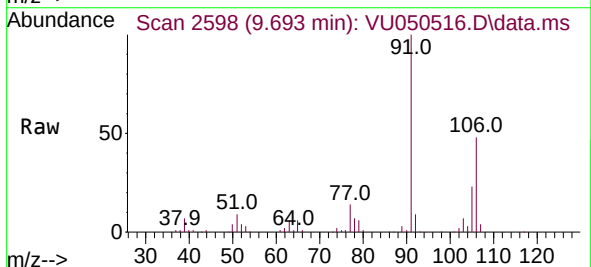
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

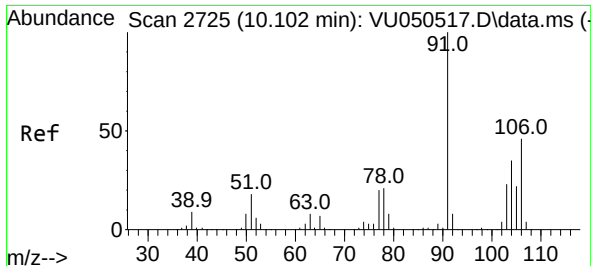
Tgt Ion: 91 Resp: 118273
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 10.239 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion: 106 Resp: 43289
Ion Ratio Lower Upper
106 100
91 208.8 145.1 269.5

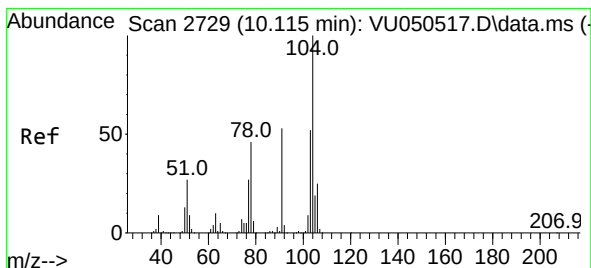
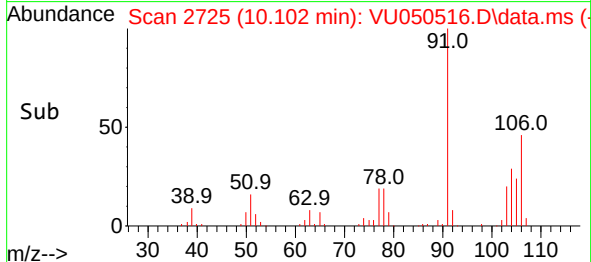
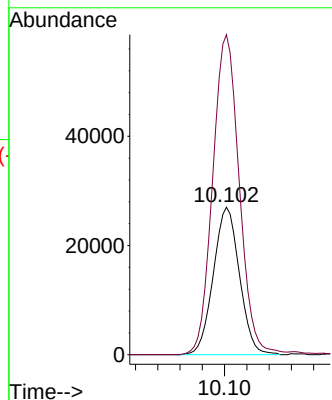
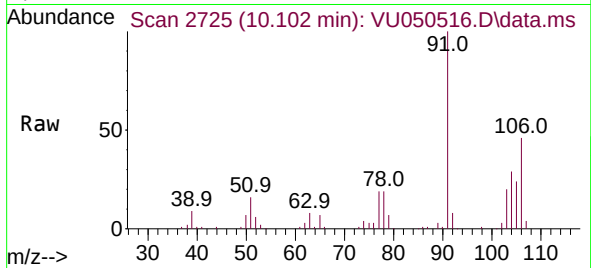




#54
o-Xylene
Concen: 10.386 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

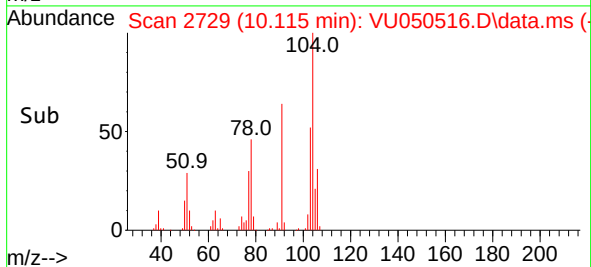
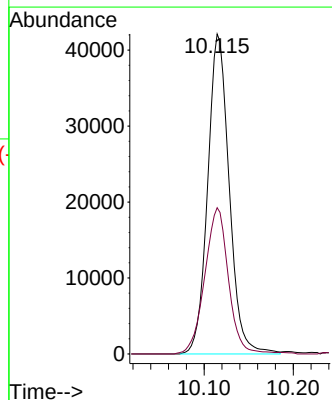
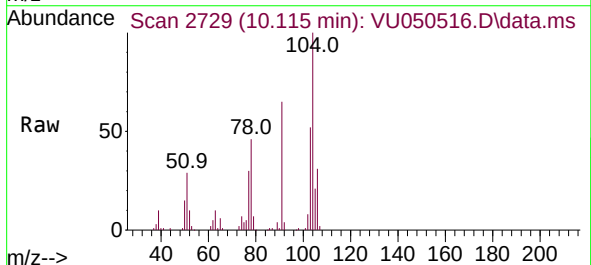
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

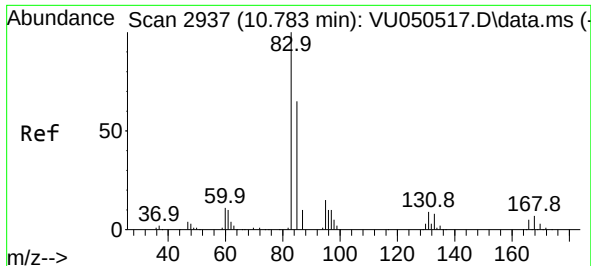
Tgt Ion:106 Resp: 44011
Ion Ratio Lower Upper
106 100
91 216.9 152.0 282.2



#55
Styrene
Concen: 9.877 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:104 Resp: 70624
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 10.794 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD010014

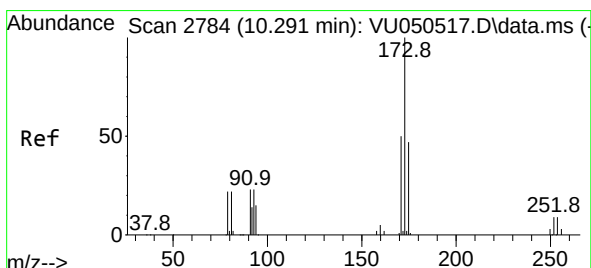
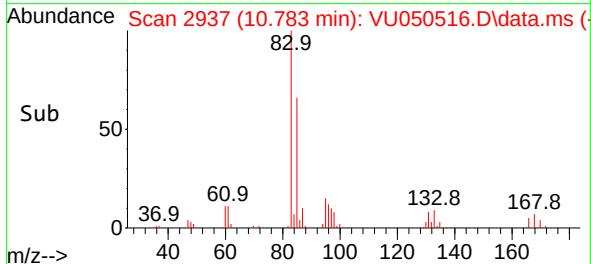
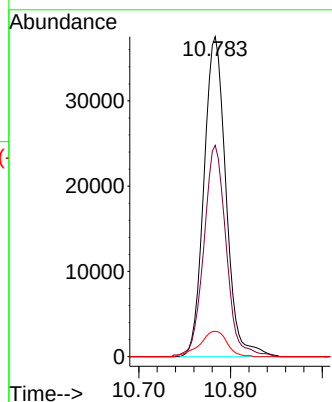
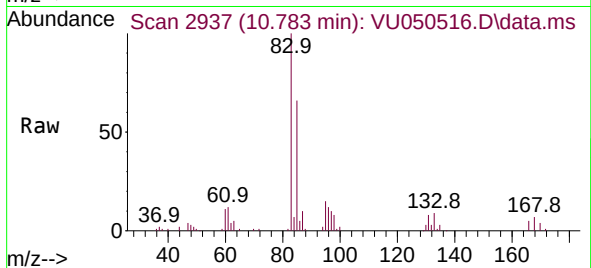
Tgt Ion: 83 Resp: 62604

Ion Ratio Lower Upper

83 100

85 66.1 45.3 84.1

131 8.0 7.2 10.8



#59

Bromoform

Concen: 9.653 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

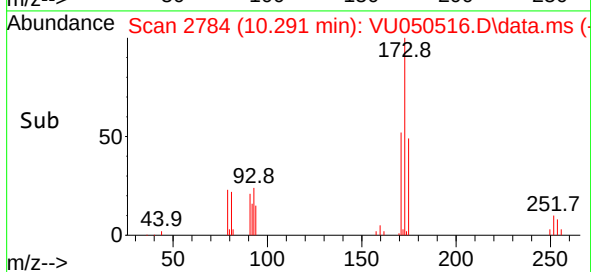
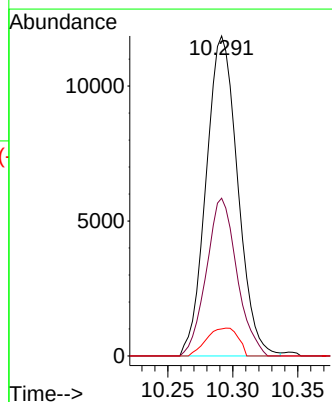
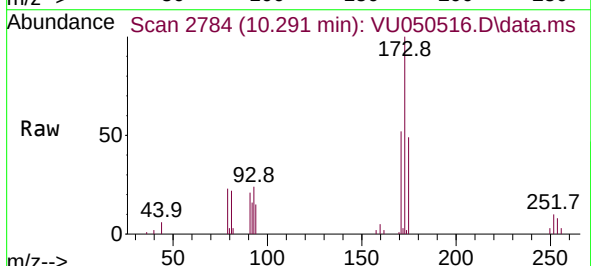
Tgt Ion:173 Resp: 20052

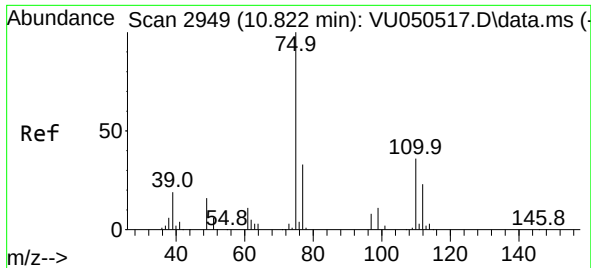
Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.8

254 8.6 7.7 11.5

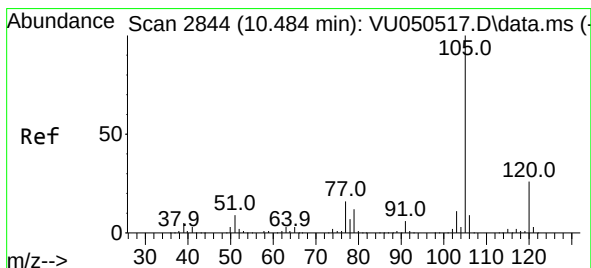
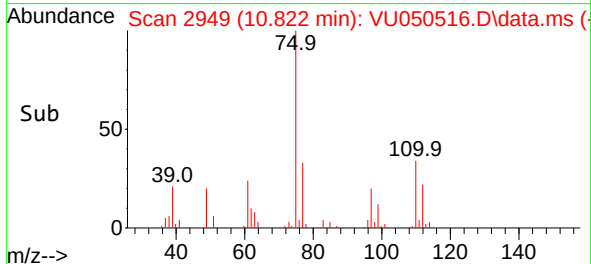
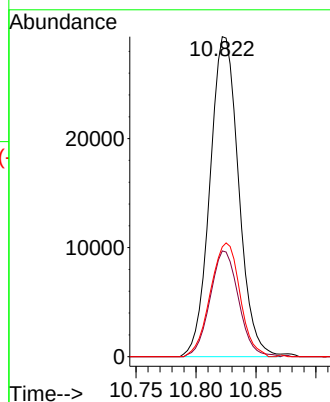
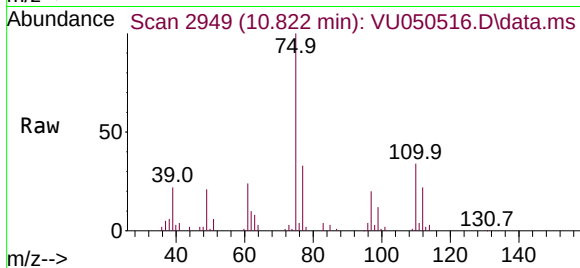




#60
1,2,3-Trichloropropane
Concen: 12.546 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

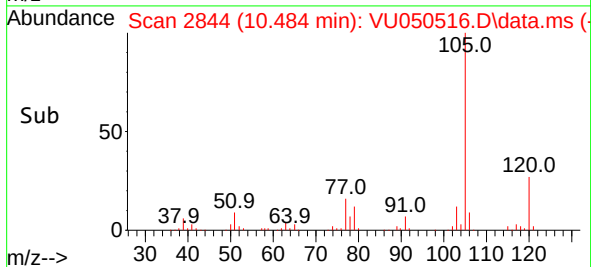
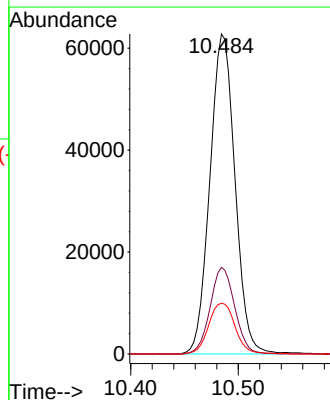
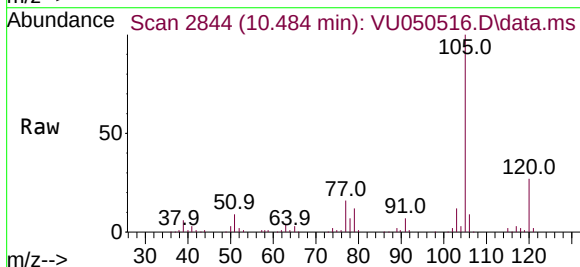
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

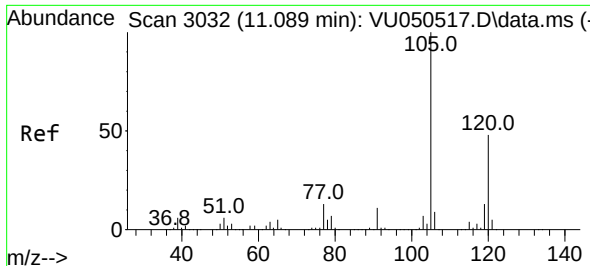
Tgt Ion:	75	Resp:	48761
Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
110	36.7	29.0	43.6



#61
Isopropylbenzene
Concen: 11.010 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:	105	Resp:	101745
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.6	31.0
77	16.7	12.6	19.0





#62

1,3,5-Trimethylbenzene

Concen: 10.664 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

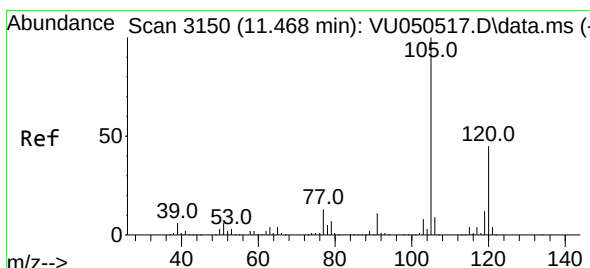
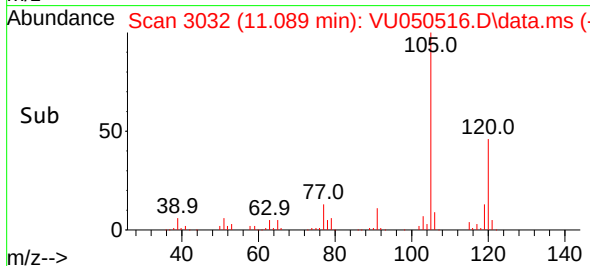
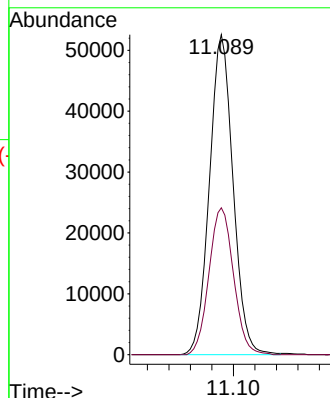
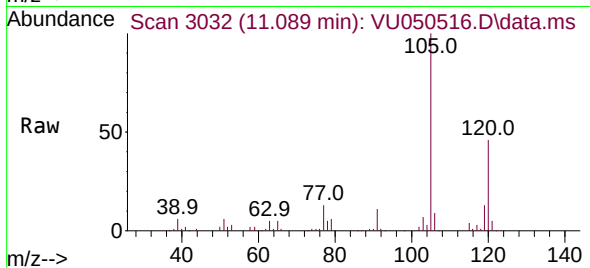
VSTD010014

Tgt Ion:105 Resp: 80149

Ion Ratio Lower Upper

105 100

120 47.7 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 10.375 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050516.D

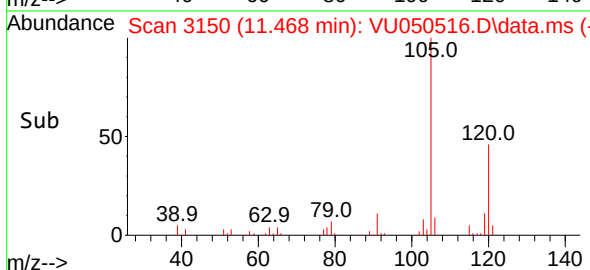
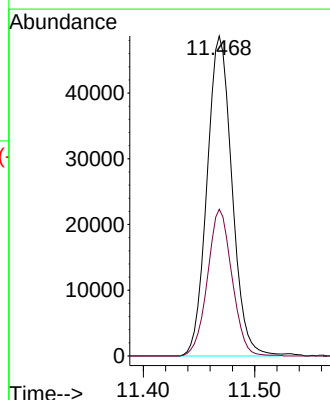
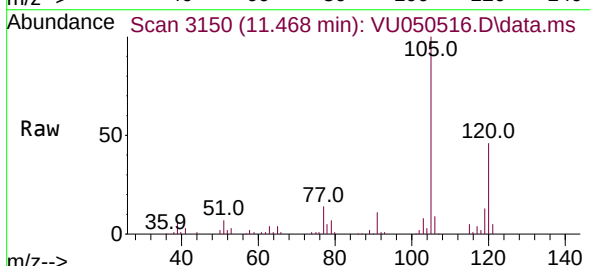
Acq: 30 Aug 2022 14:49

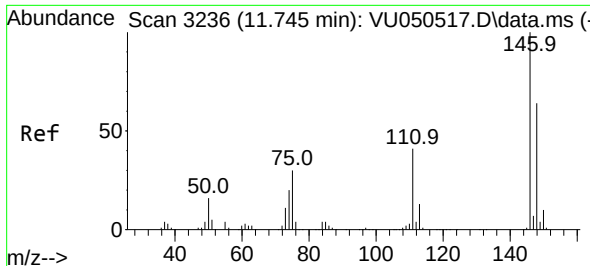
Tgt Ion:105 Resp: 75935

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4

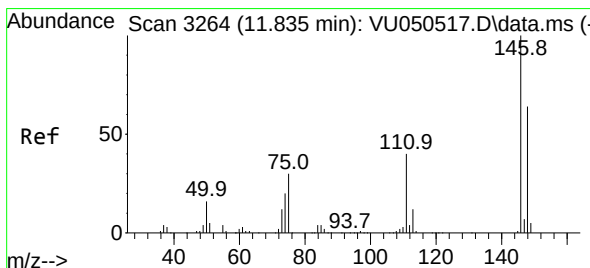
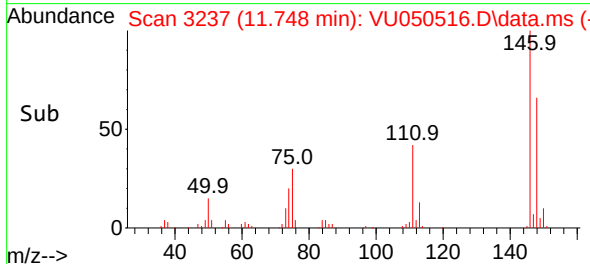
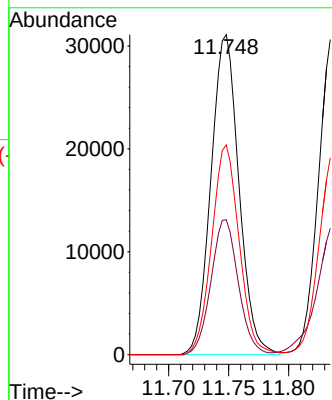
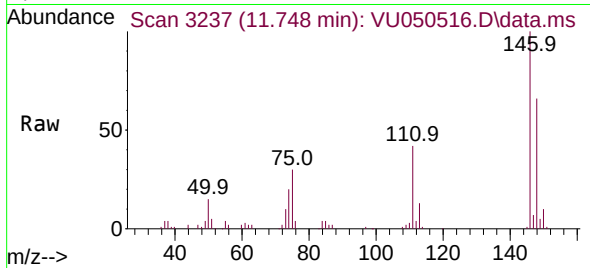




#64
1,3-Dichlorobenzene
Concen: 11.213 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

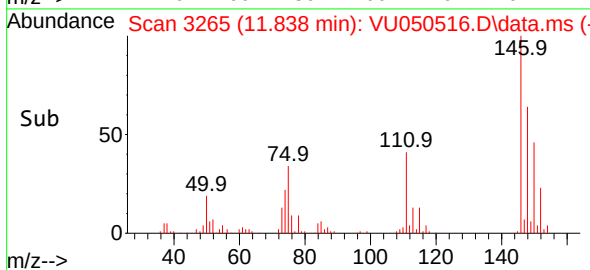
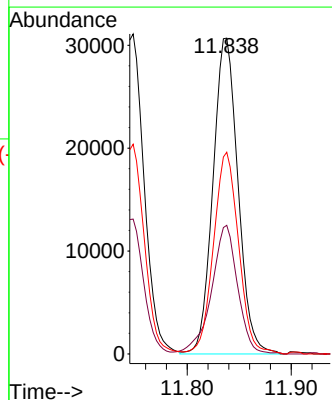
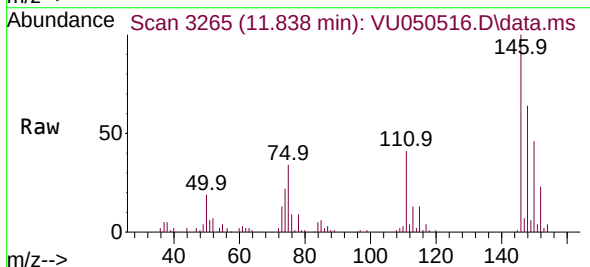
Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

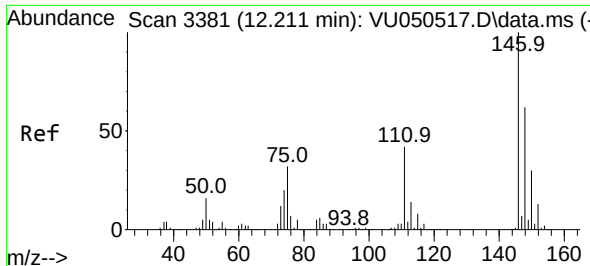
Tgt Ion:146 Resp: 50353
Ion Ratio Lower Upper
146 100
111 42.2 28.4 52.8
148 65.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 11.422 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:146 Resp: 51444
Ion Ratio Lower Upper
146 100
111 40.8 28.2 52.4
148 63.9 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 11.561 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD010014

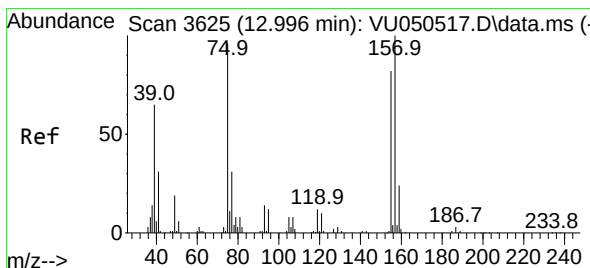
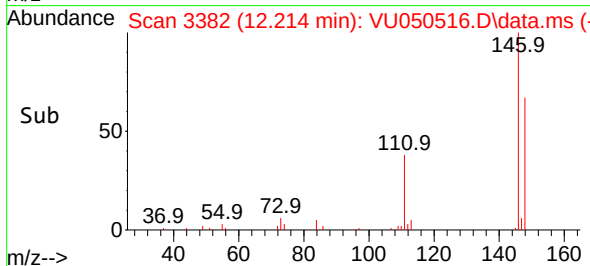
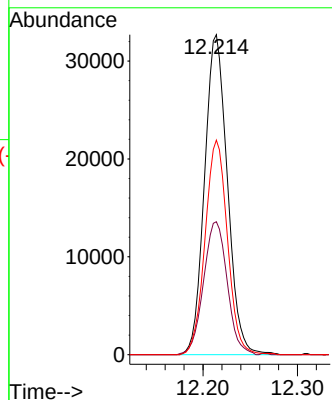
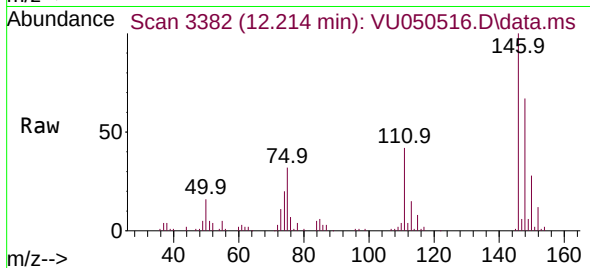
Tgt Ion:146 Resp: 54904

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.2

148 67.0 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 9.611 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050516.D

Acq: 30 Aug 2022 14:49

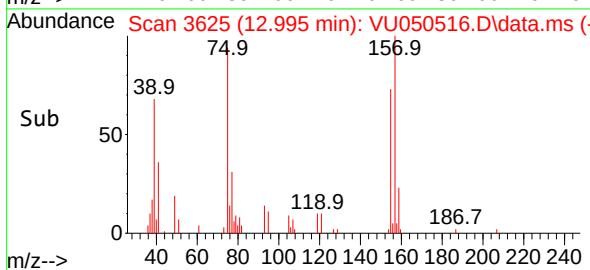
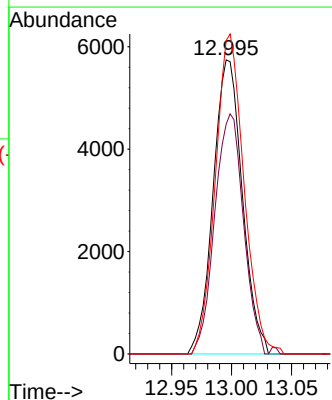
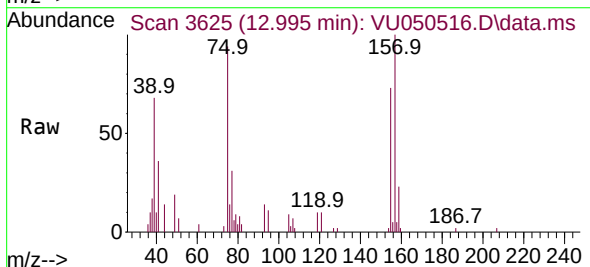
Tgt Ion: 75 Resp: 9687

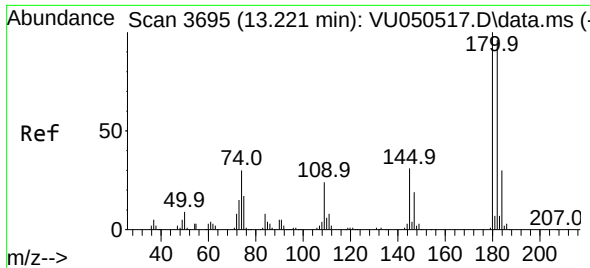
Ion Ratio Lower Upper

75 100

155 83.0 71.4 107.2

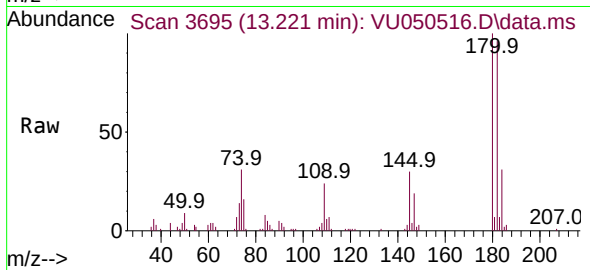
157 112.0 83.2 124.8



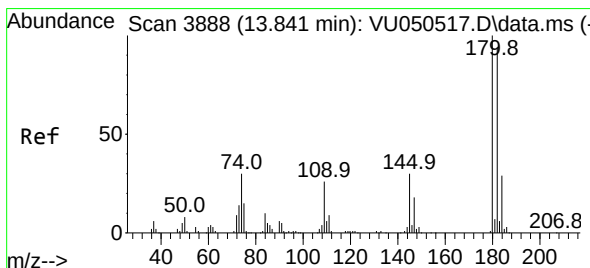
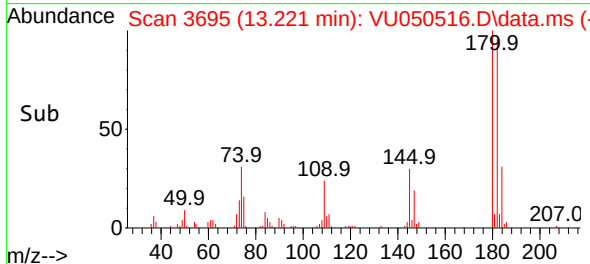
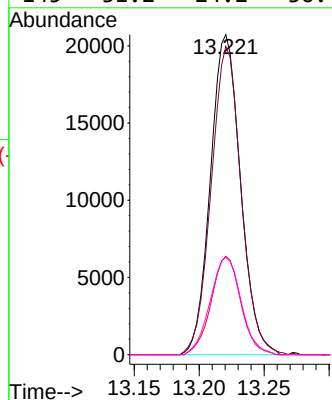


#69
 1,3,5-Trichlorobenzene
 Concen: 10.879 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010014

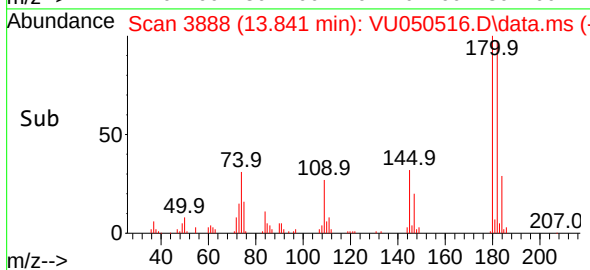
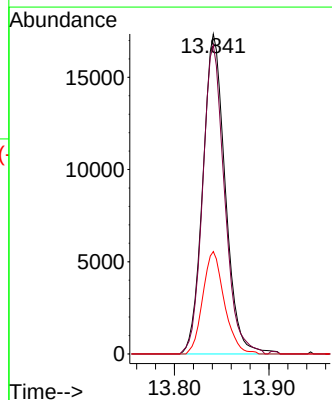
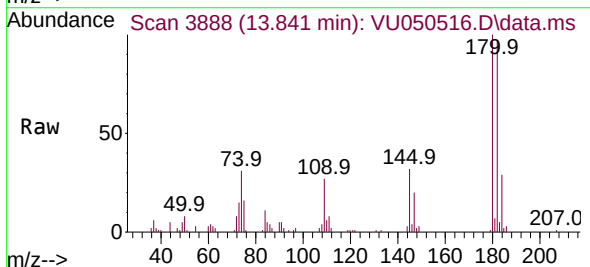


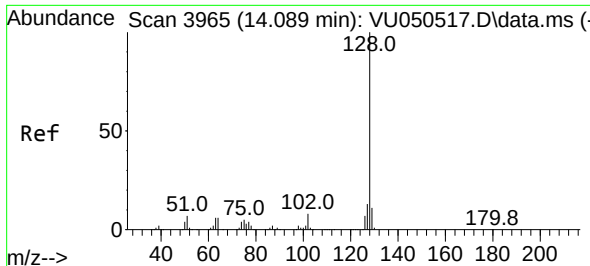
Tgt Ion:180 Resp: 33373
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.3 114.5
 184 30.2 24.4 36.6
 145 31.2 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 11.595 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU050516.D
 Acq: 30 Aug 2022 14:49

Tgt Ion:180 Resp: 28598
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.6 115.0
 145 30.8 24.2 36.4

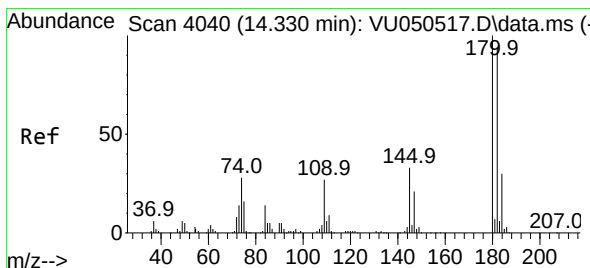
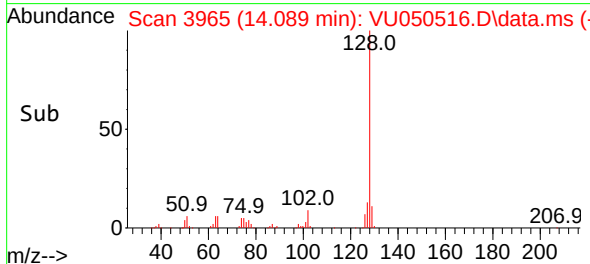
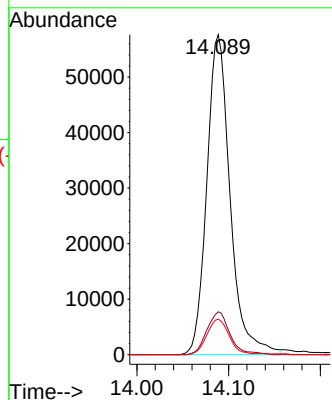
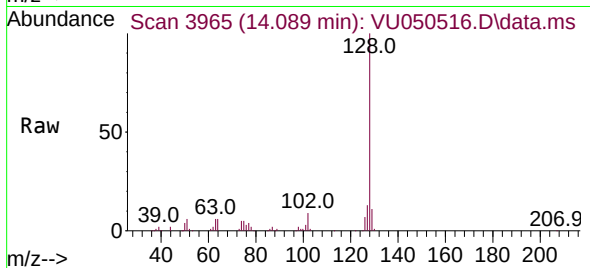




#71
Naphthalene
Concen: 12.148 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD010014

Tgt Ion:128 Resp: 101644
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 12.034 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050516.D
Acq: 30 Aug 2022 14:49

Tgt Ion:180 Resp: 32740
Ion Ratio Lower Upper
180 100
182 94.8 76.0 114.0
145 33.9 26.2 39.2

