

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054160.D
 Acq On : 18 May 2023 11:23
 Operator : JC/MD
 Sample : VSTD02029
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020029

Quant Time: May 19 01:42:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:39:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	188903	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	183688	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	105038	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	203491	18.316	ug/L	0.00
7) Chloroethane-d5	1.912	69	153932	16.611	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	93548	19.878	ug/L	0.00
20) 2-Butanone-d5	4.626	46	384731	187.204	ug/L	0.00
24) Chloroform-d	5.057	84	388641	18.359	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.693	65	175743	18.022	ug/L	0.00
32) Benzene-d6	5.722	84	757756	18.107	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	216406	17.134	ug/L	0.00
41) Toluene-d8	7.893	98	715796	18.251	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.172	79	93457	18.536	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	304804	177.169	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	159696	15.722	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	259035	15.777	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	293195	20.935	ug/L	99
3) Chloromethane	1.517	50	263376	19.499	ug/L	100
5) Vinyl chloride	1.604	62	295231	19.241	ug/L	99
6) Bromomethane	1.858	94	177484	18.022	ug/L	98
8) Chloroethane	1.935	64	172224	17.927	ug/L	97
9) Trichlorofluoromethane	2.134	101	463659	20.051	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	272732	20.205	ug/L	98
12) 1,1-Dichloroethene	2.575	96	238345	20.080	ug/L	90
13) Acetone	2.645	43	486414	260.046	ug/L	96
14) Carbon disulfide	2.790	76	630643	19.783	ug/L	100
15) Methyl Acetate	2.951	43	93781	24.262	ug/L	98
16) Methylene chloride	3.041	84	271477	16.821	ug/L	98
17) Methyl tert-butyl Ether	3.356	73	633608	23.887	ug/L	100
18) trans-1,2-Dichloroethene	3.349	96	249090	20.698	ug/L	99
19) 1,1-Dichloroethane	3.861	63	488589	22.129	ug/L	96
21) 2-Butanone	4.706	43	695286	271.208	ug/L	99
22) cis-1,2-Dichloroethene	4.658	96	293459	21.464	ug/L	98
23) Bromochloromethane	4.967	128	126837	20.982	ug/L	96
25) Chloroform	5.083	83	519608	21.695	ug/L	97
27) 1,2-Dichloroethane	5.787	62	307358	22.248	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	461540	21.811	ug/L	100
30) Cyclohexane	5.382	56	406953	21.942	ug/L	98
31) Carbon tetrachloride	5.520	117	414504	22.601	ug/L	100
33) Benzene	5.767	78	1070743	20.621	ug/L	100
34) Trichloroethene	6.536	95	293759	20.841	ug/L	99
35) Methylcyclohexane	6.758	83	447750	20.930	ug/L	96
37) 1,2-Dichloropropane	6.783	63	278077	21.345	ug/L	99
38) Bromodichloromethane	7.099	83	364848	22.303	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	440774	22.287	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	1504656	245.612	ug/L	100
42) Toluene	7.963	91	1155625	20.969	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	369764	23.095	ug/L	96

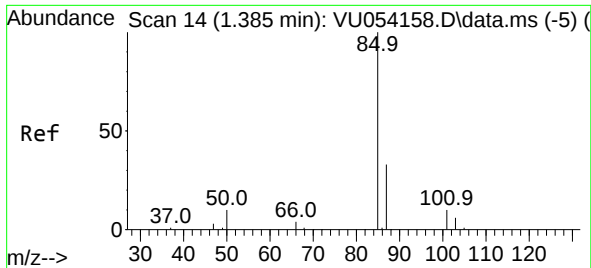
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
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 QLast Update : Fri May 19 01:39:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	198154	20.488	ug/L	98
47) Tetrachloroethene	8.549	164	237673	21.080	ug/L	99
48) 2-Hexanone	8.680	43	1137592	243.263	ug/L	100
49) Dibromochloromethane	8.803	129	235624	22.695	ug/L	99
50) 1,2-Dibromoethane	8.918	107	188977	21.072	ug/L	100
51) Chlorobenzene	9.443	112	762396	20.305	ug/L	99
52) Ethylbenzene	9.565	91	1343927	22.043	ug/L	99
53) m,p-Xylene	9.687	106	513856	22.035	ug/L	99
54) o-Xylene	10.095	106	499011	22.136	ug/L	100
55) Styrene	10.108	104	853439	23.073	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	240172	20.587	ug/L	99
59) Bromoform	10.285	173	143883	23.280	ug/L	99
60) Isopropylbenzene	10.478	105	1382395	21.696	ug/L	100
61) 1,2,3-Trichloropropane	10.815	75	170066	20.668	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	1178531	22.673	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	1205386	22.914	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	660691	20.734	ug/L	100
65) 1,4-Dichlorobenzene	11.831	146	658127	20.428	ug/L	99
67) 1,2-Dichlorobenzene	12.204	146	614808	20.762	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	39040	22.648	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.214	180	530082	22.867	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	454879	21.577	ug/L	99
71) Naphthalene	14.079	128	725774	19.970	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	392531	20.823	ug/L	99

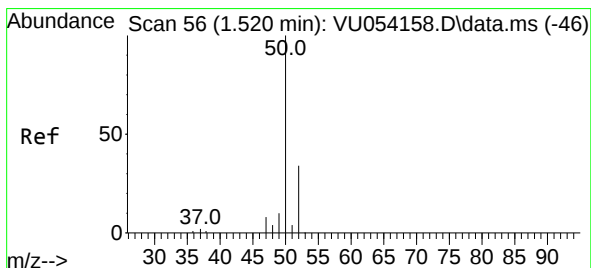
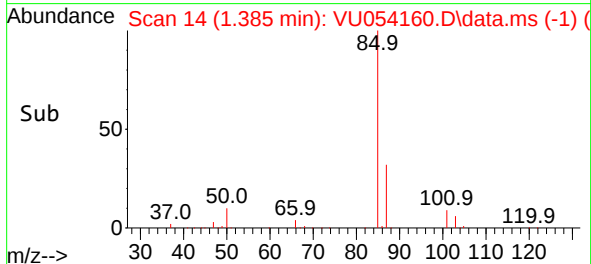
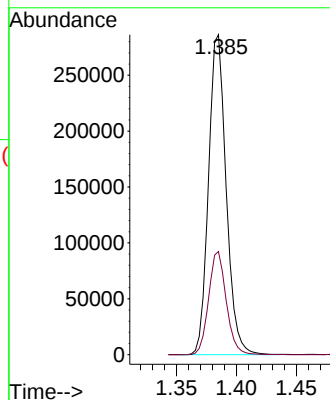
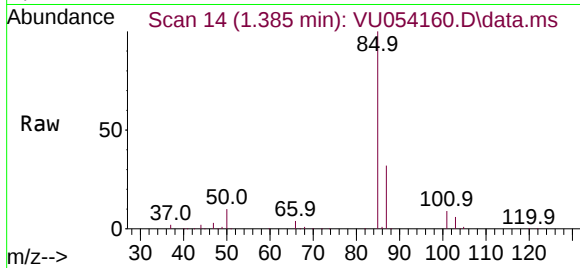
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#2
Dichlorodifluoromethane
Concen: 20.935 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

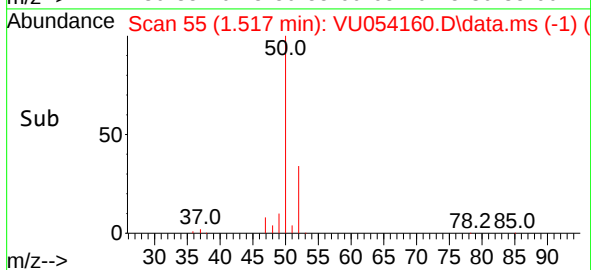
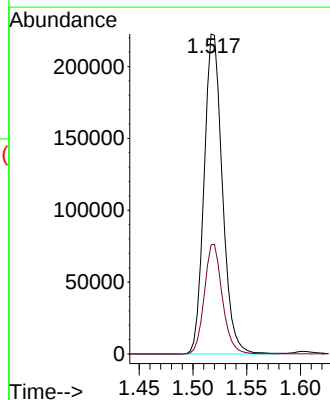
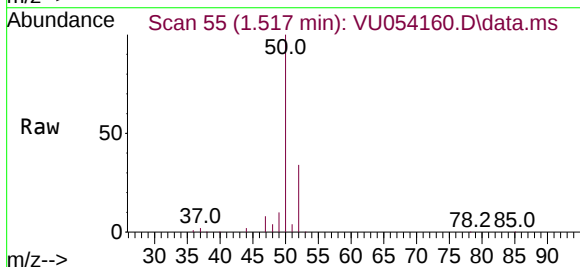
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

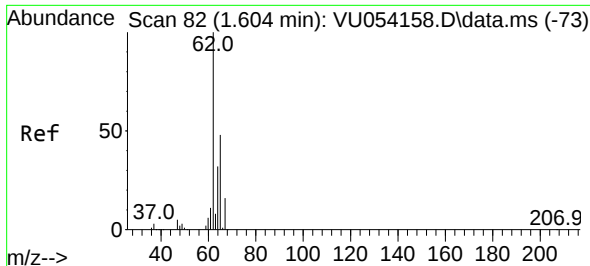
Tgt Ion: 85 Resp: 293195
Ion Ratio Lower Upper
85 100
87 32.2 26.1 39.1



#3
Chloromethane
Concen: 19.499 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 50 Resp: 263376
Ion Ratio Lower Upper
50 100
52 34.1 23.7 44.1

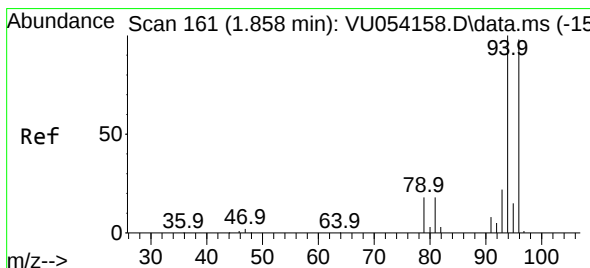
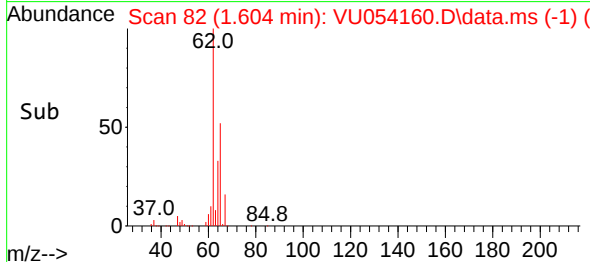
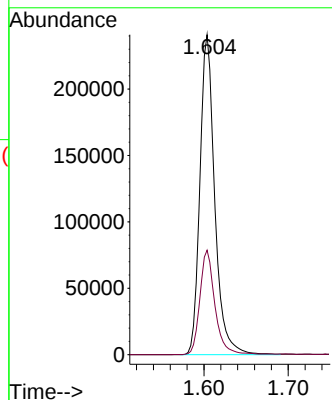
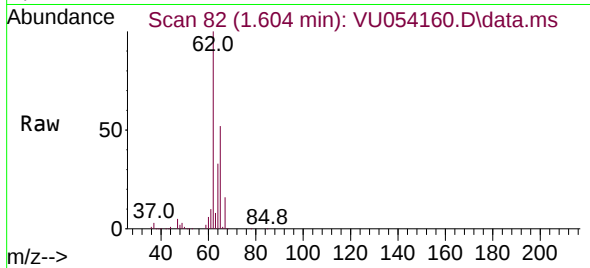




#5
 Vinyl chloride
 Concen: 19.241 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

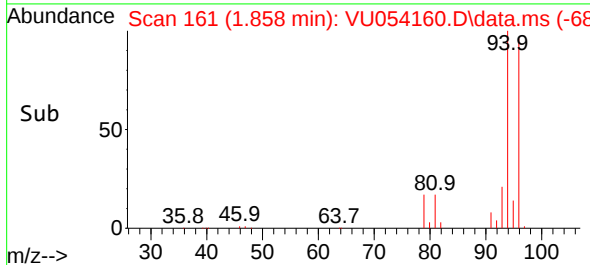
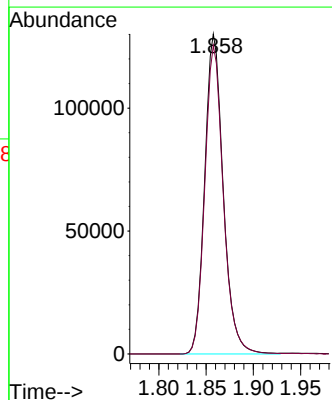
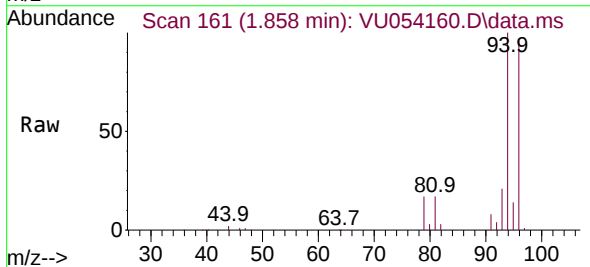
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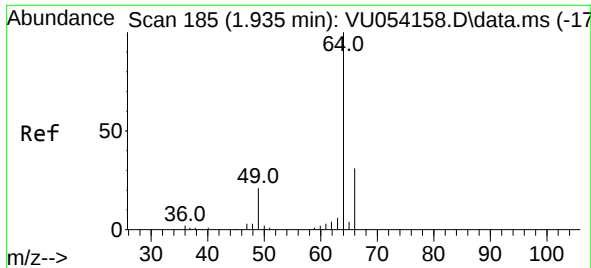
Tgt Ion: 62 Resp: 295231
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.4 41.6



#6
 Bromomethane
 Concen: 18.022 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

Tgt Ion: 94 Resp: 177484
 Ion Ratio Lower Upper
 94 100
 96 96.4 68.7 127.5

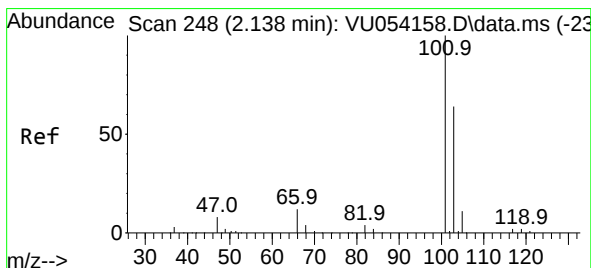
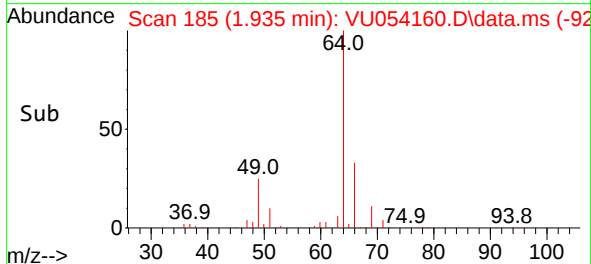
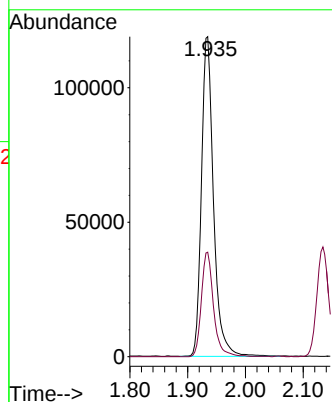
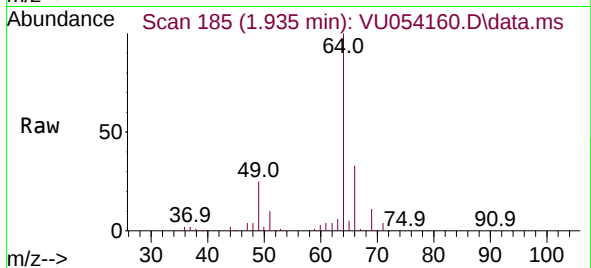




#8
Chloroethane
Concen: 17.927 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

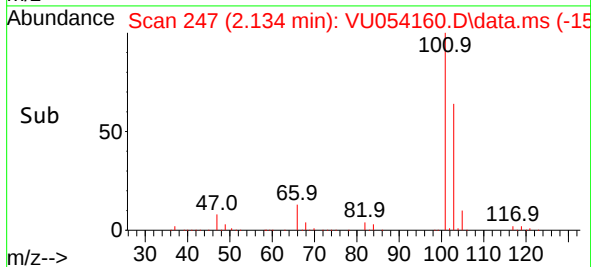
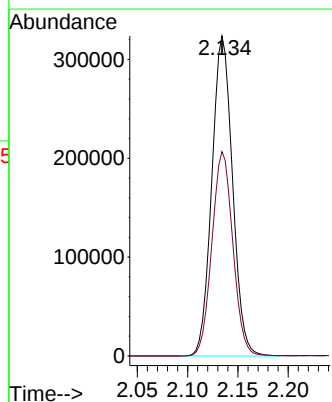
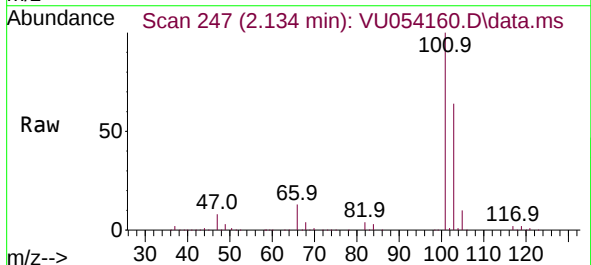
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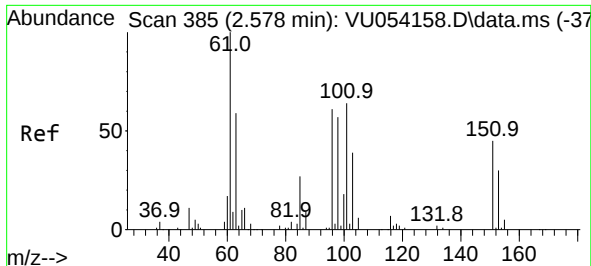
Tgt Ion: 64 Resp: 172224
Ion Ratio Lower Upper
64 100
66 32.6 21.6 40.0



#9
Trichlorofluoromethane
Concen: 20.051 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion:101 Resp: 463659
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6

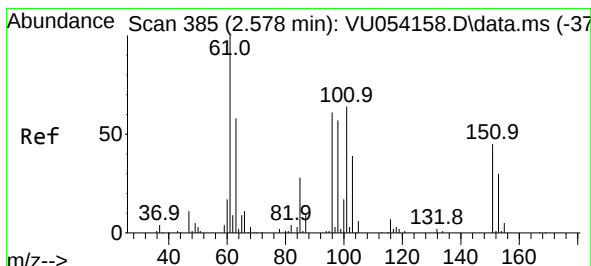
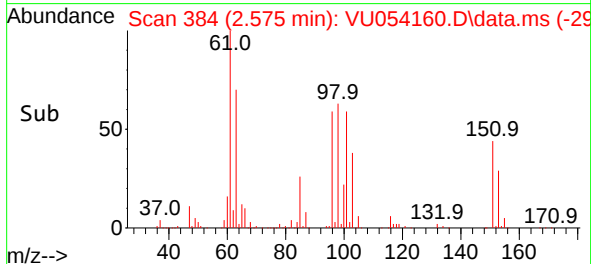
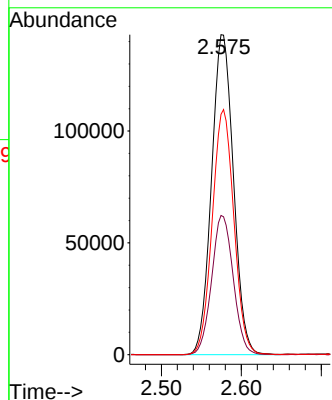
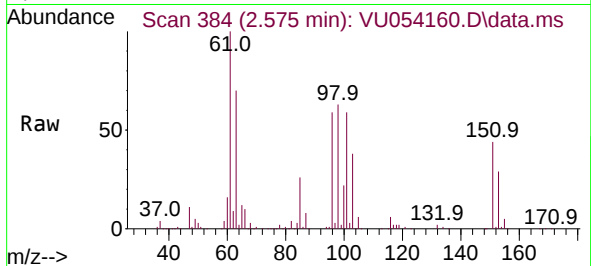




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 20.205 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

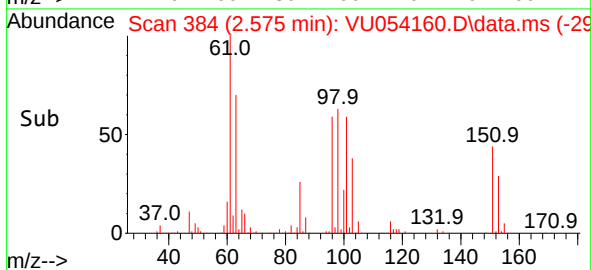
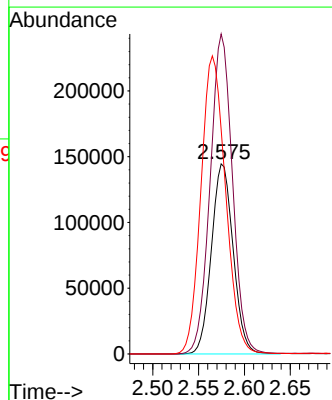
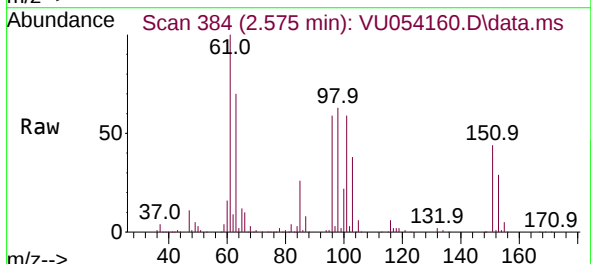
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ClientSampleId :
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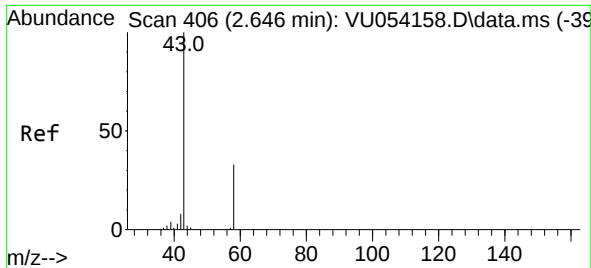
Tgt Ion:101 Resp: 272732
Ion Ratio Lower Upper
101 100
85 42.8 35.0 52.4
151 75.6 59.0 88.6



#12
1,1-Dichloroethene
Concen: 20.080 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 96 Resp: 238345
Ion Ratio Lower Upper
96 100
61 168.3 114.7 212.9
63 118.0 68.6 127.4





#13

Acetone

Concen: 260.046 ug/L

RT: 2.645 min Scan# 406

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

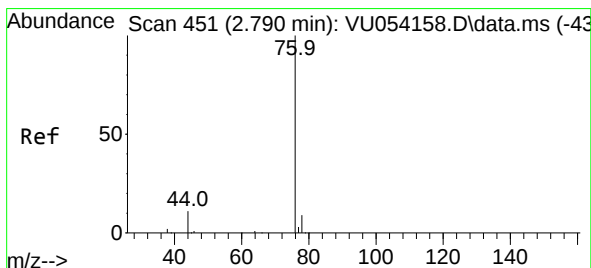
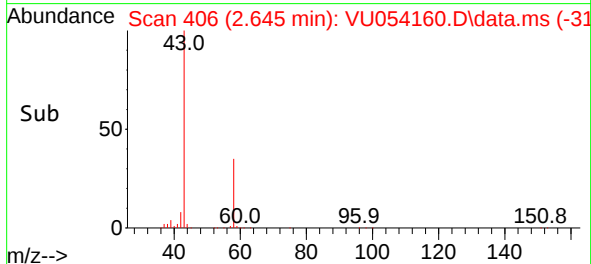
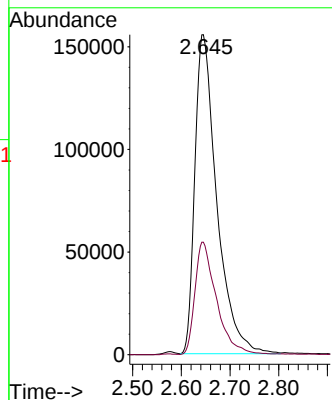
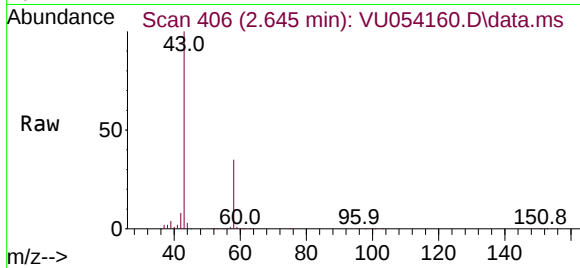
VSTD020029

Tgt Ion: 43 Resp: 486414

Ion Ratio Lower Upper

43 100

58 34.4 0.0 73.2



#14

Carbon disulfide

Concen: 19.783 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054160.D

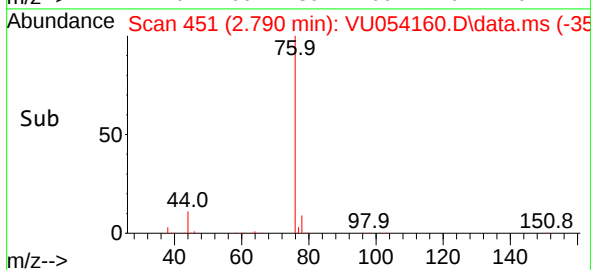
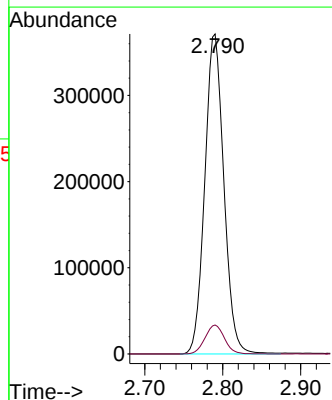
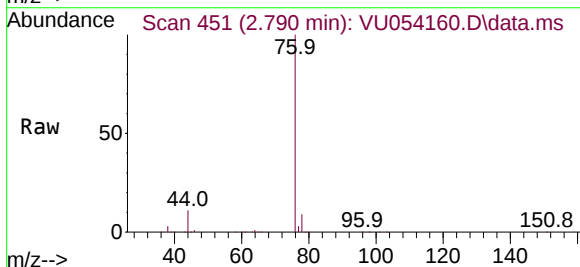
Acq: 18 May 2023 11:23

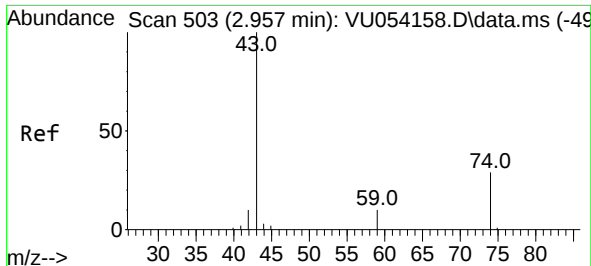
Tgt Ion: 76 Resp: 630643

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

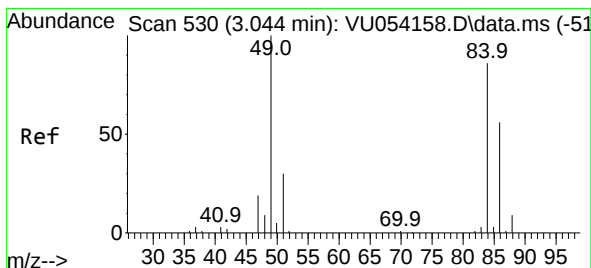
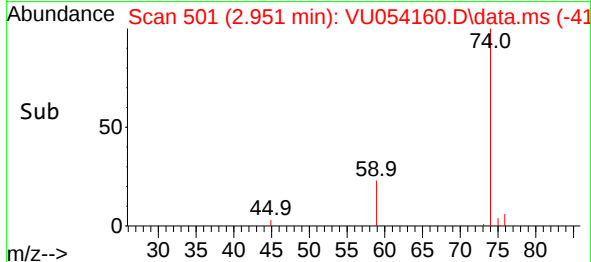
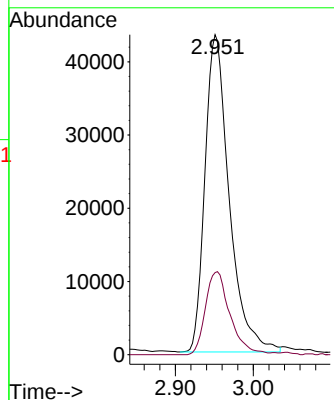
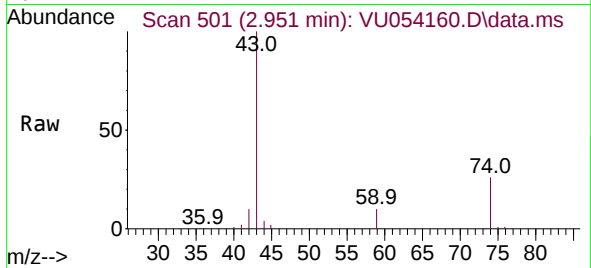




#15
Methyl Acetate
Concen: 24.262 ug/L
RT: 2.951 min Scan# 503
Delta R.T. -0.007 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

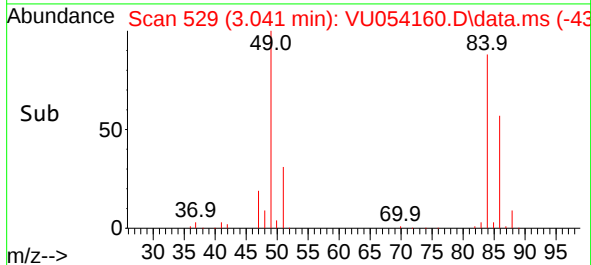
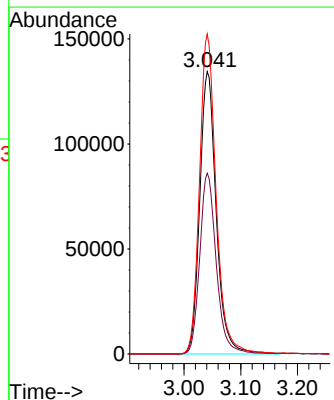
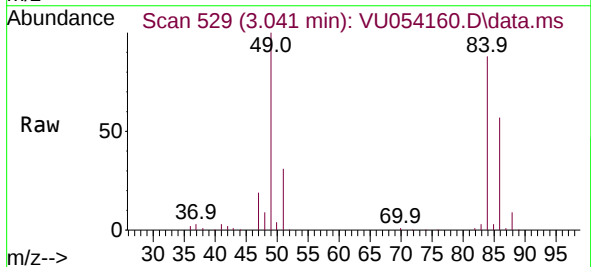
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ClientSampleId :
VSTD020029

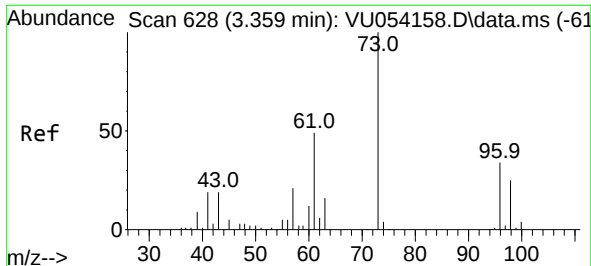
Tgt Ion: 43 Resp: 93781
Ion Ratio Lower Upper
43 100
74 26.4 20.3 30.5



#16
Methylene chloride
Concen: 16.821 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 84 Resp: 271477
Ion Ratio Lower Upper
84 100
86 64.0 45.5 84.5
49 113.3 81.3 150.9

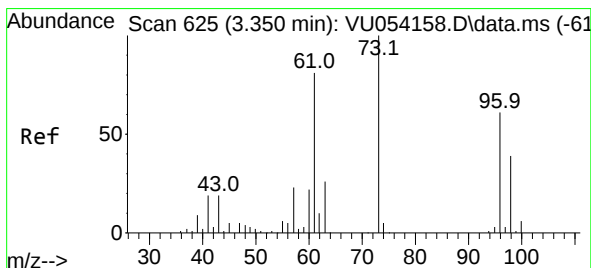
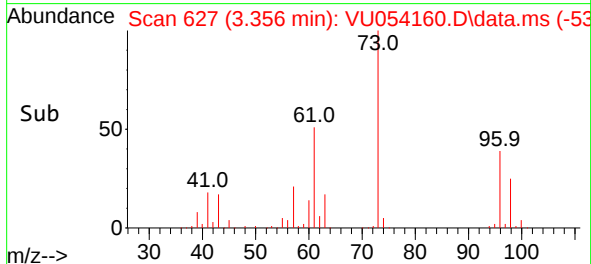
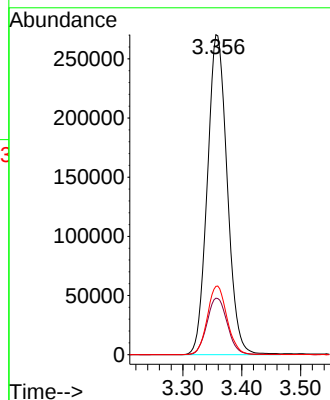
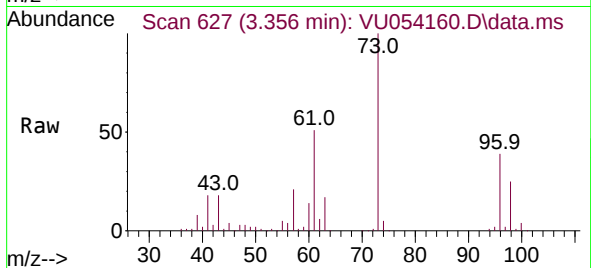




#17
Methyl tert-butyl Ether
Concen: 23.887 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

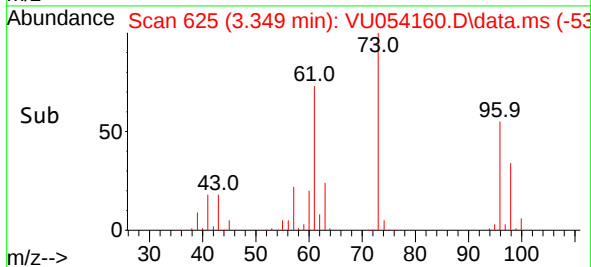
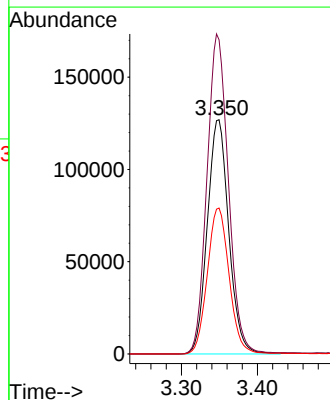
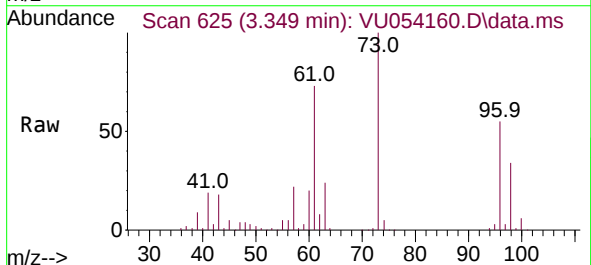
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

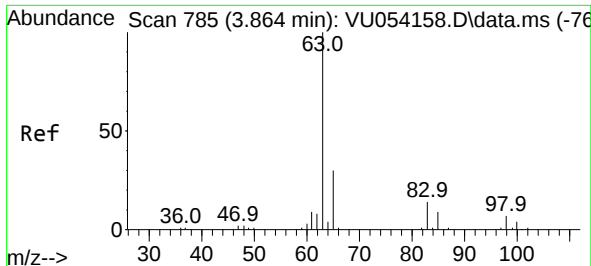
Tgt Ion: 73 Resp: 633608
Ion Ratio Lower Upper
73 100
43 18.1 14.6 22.0
57 21.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 20.698 ug/L
RT: 3.349 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 96 Resp: 249090
Ion Ratio Lower Upper
96 100
61 134.0 94.1 174.8
98 62.3 45.3 84.1





#19

1,1-Dichloroethane

Concen: 22.129 ug/L

RT: 3.861 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020029

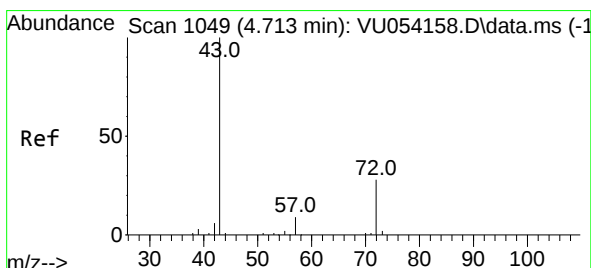
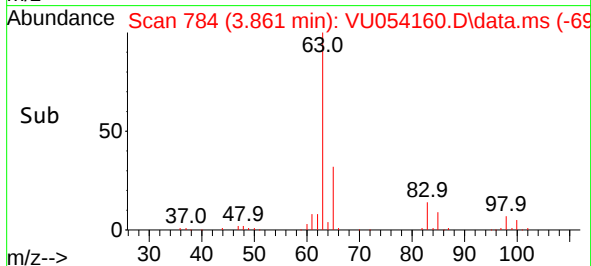
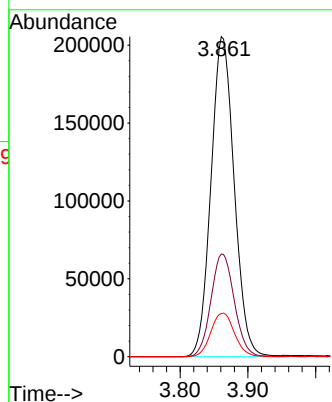
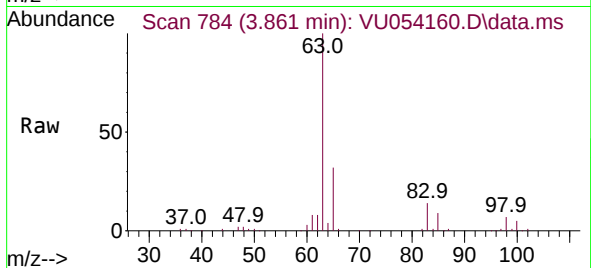
Tgt Ion: 63 Resp: 488589

Ion Ratio Lower Upper

63 100

65 32.1 20.7 38.5

83 13.5 10.1 18.7



#21

2-Butanone

Concen: 271.208 ug/L

RT: 4.706 min Scan# 1047

Delta R.T. -0.007 min

Lab File: VU054160.D

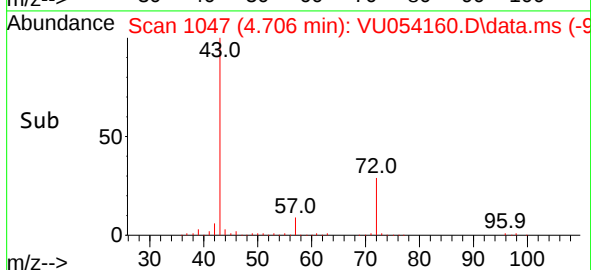
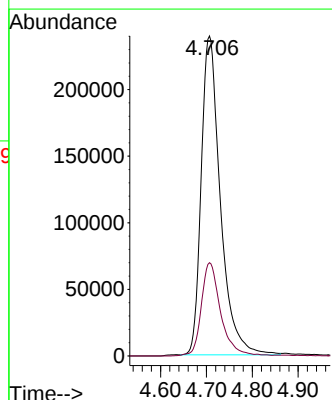
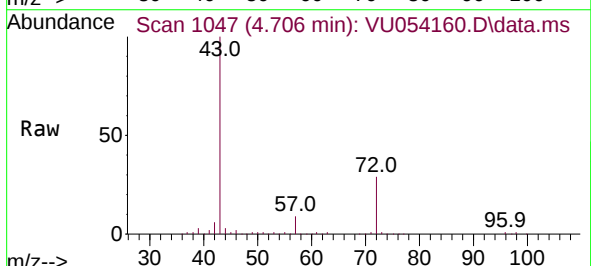
Acq: 18 May 2023 11:23

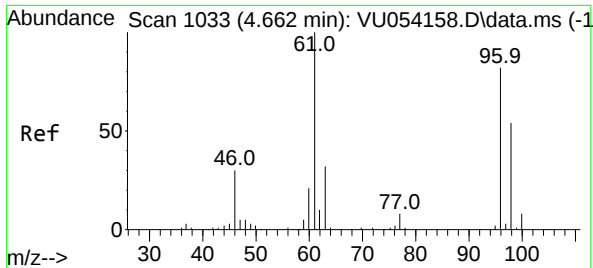
Tgt Ion: 43 Resp: 695286

Ion Ratio Lower Upper

43 100

72 29.3 14.2 42.8

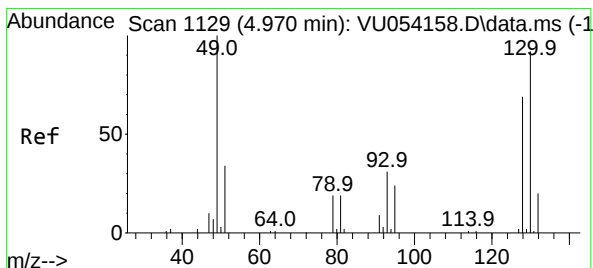
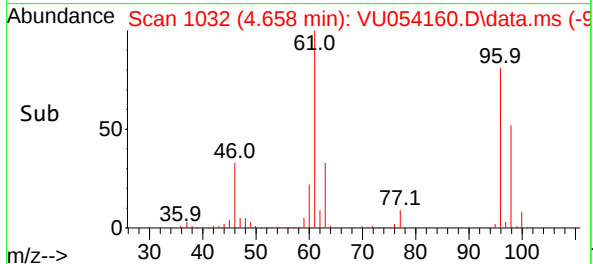
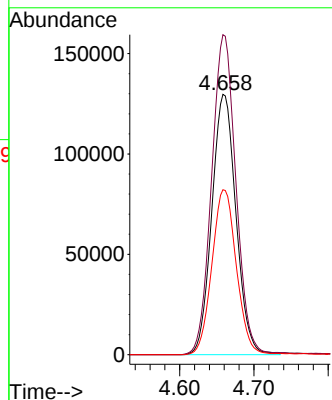
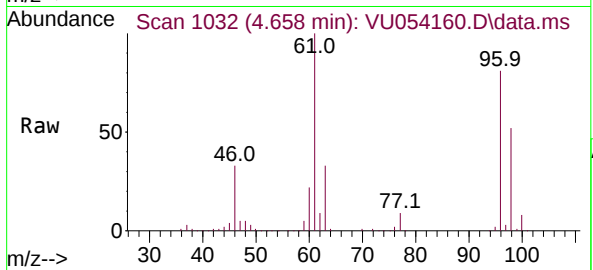




#22
 cis-1,2-Dichloroethene
 Concen: 21.464 ug/L
 RT: 4.658 min Scan# 1032
 Delta R.T. -0.003 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

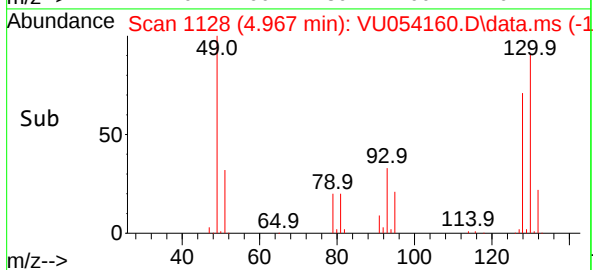
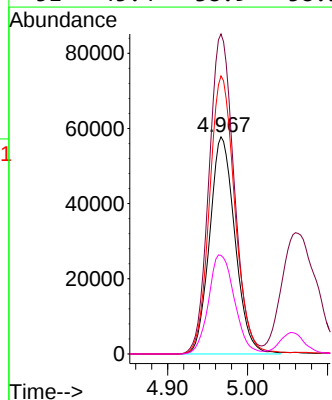
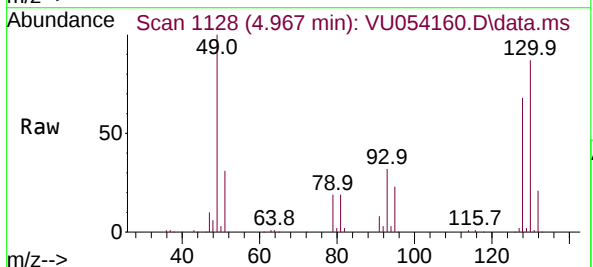
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020029

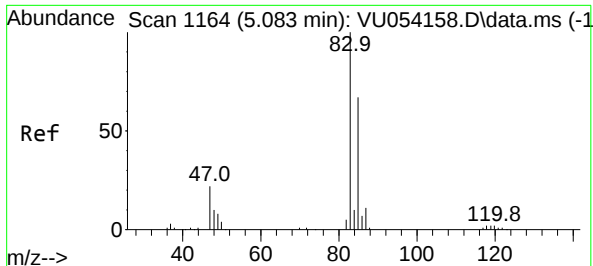
Tgt Ion: 96 Resp: 293459
 Ion Ratio Lower Upper
 96 100
 61 122.9 85.0 157.8
 98 63.4 45.8 85.0



#23
 Bromochloromethane
 Concen: 20.982 ug/L
 RT: 4.967 min Scan# 1128
 Delta R.T. -0.003 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

Tgt Ion:128 Resp: 126837
 Ion Ratio Lower Upper
 128 100
 49 147.4 100.9 187.3
 130 128.0 93.2 173.0
 51 45.4 38.9 58.3





#25

Chloroform

Concen: 21.695 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

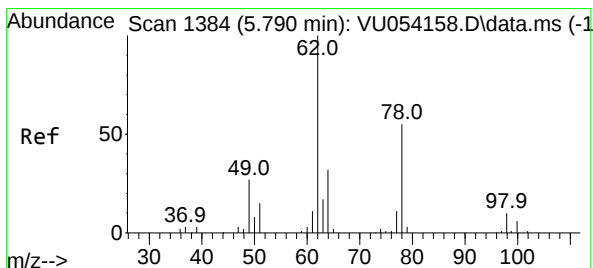
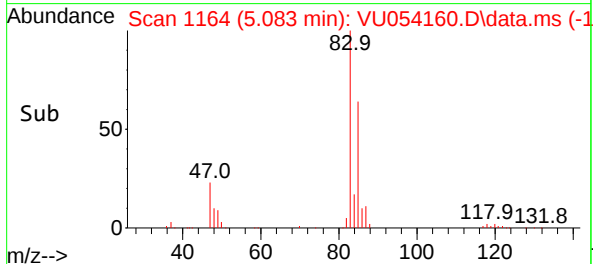
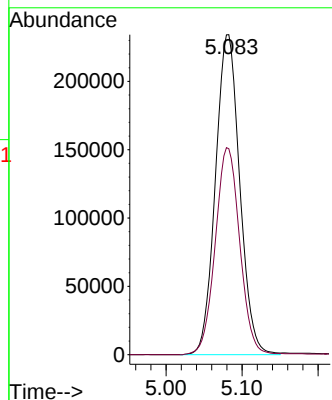
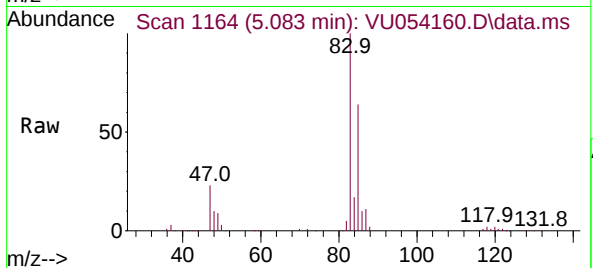
VSTD020029

Tgt Ion: 83 Resp: 519608

Ion Ratio Lower Upper

83 100

85 64.3 46.8 87.0



#27

1,2-Dichloroethane

Concen: 22.248 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054160.D

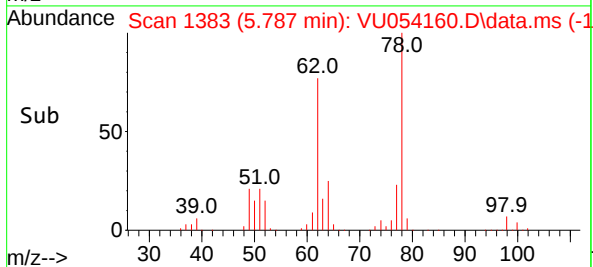
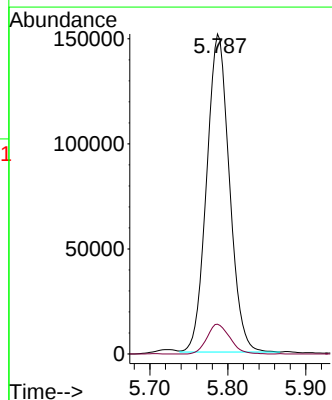
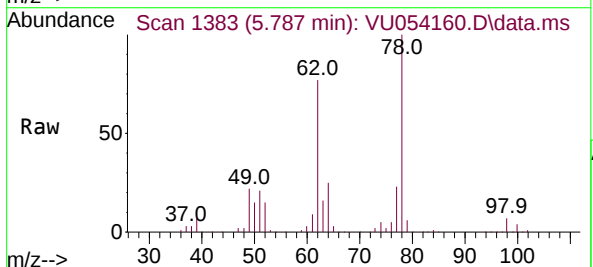
Acq: 18 May 2023 11:23

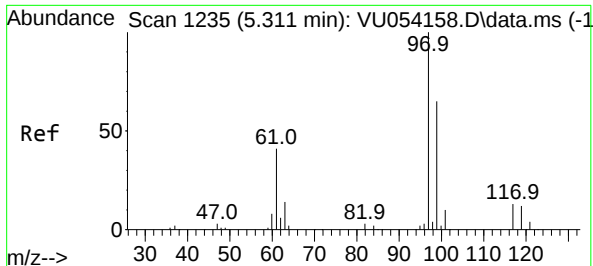
Tgt Ion: 62 Resp: 307358

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 21.811 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020029

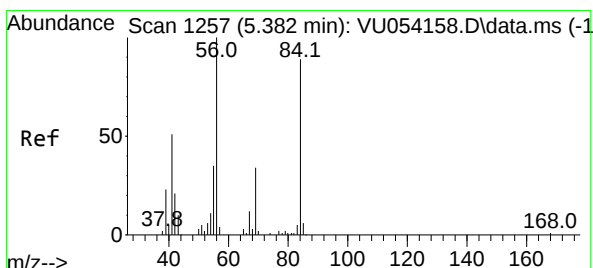
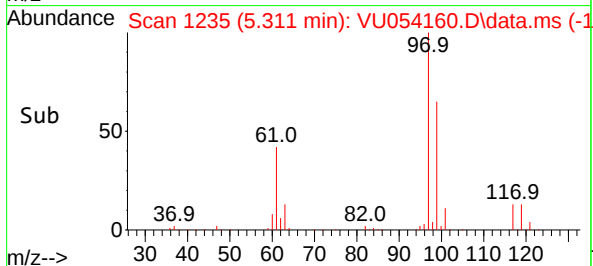
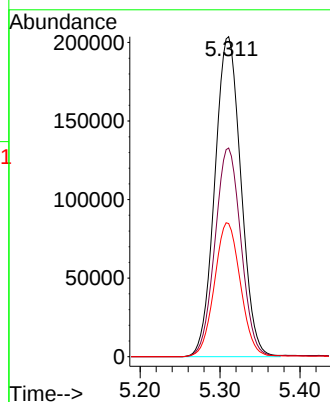
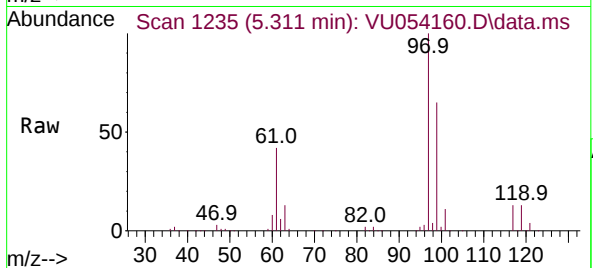
Tgt Ion: 97 Resp: 461540

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 41.8 33.4 50.2



#30

Cyclohexane

Concen: 21.942 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

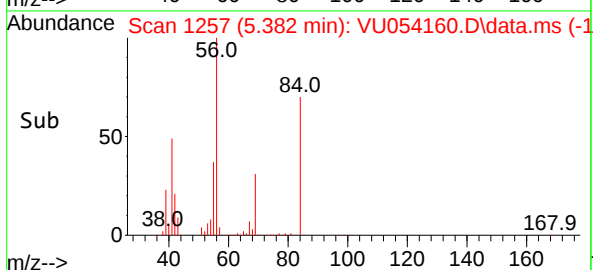
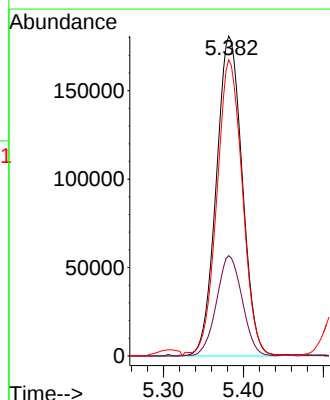
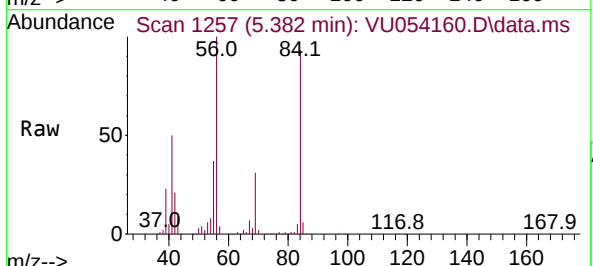
Tgt Ion: 56 Resp: 406953

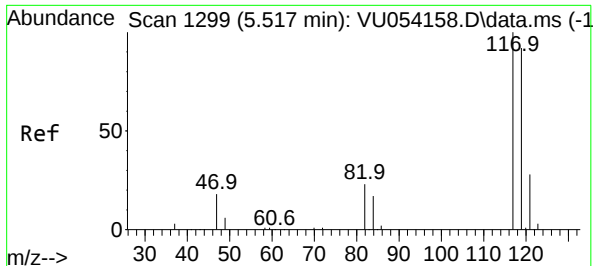
Ion Ratio Lower Upper

56 100

69 30.7 26.2 39.4

84 91.4 74.2 111.4

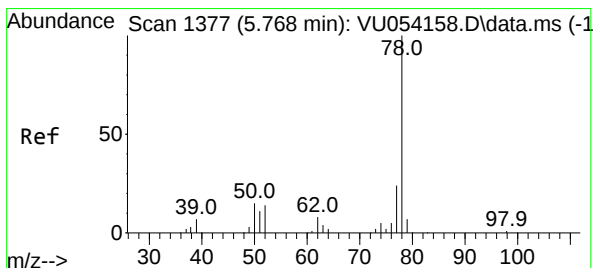
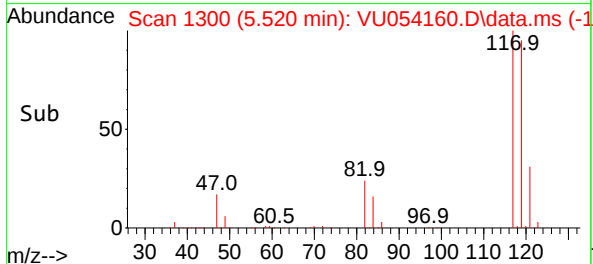
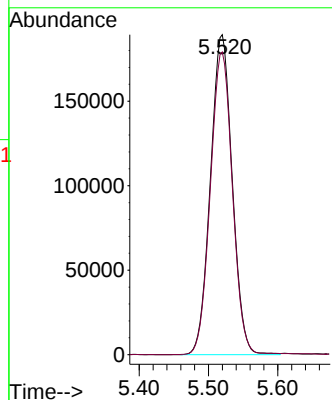
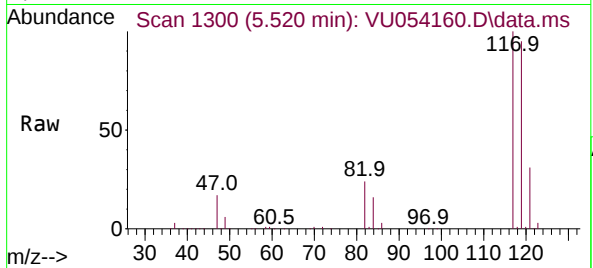




#31
Carbon tetrachloride
Concen: 22.601 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

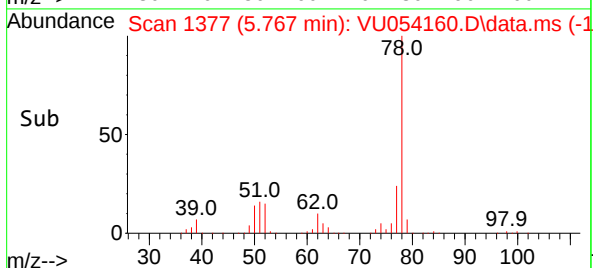
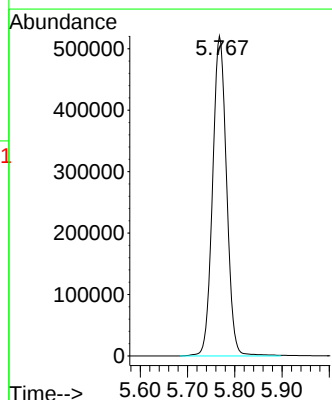
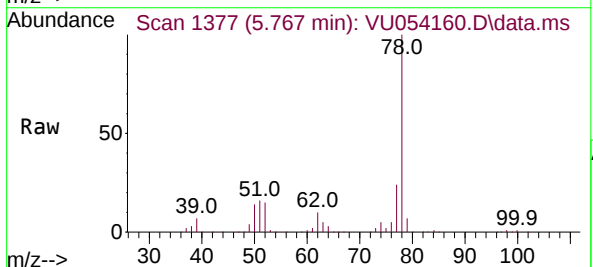
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

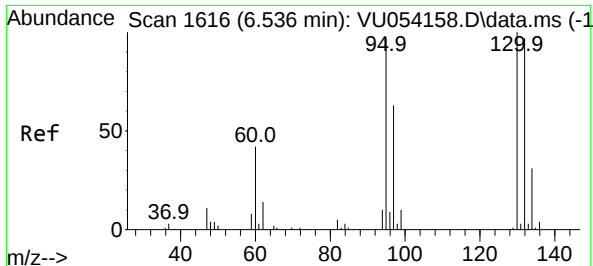
Tgt Ion:117 Resp: 414504
Ion Ratio Lower Upper
117 100
119 95.5 76.6 114.8



#33
Benzene
Concen: 20.621 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 78 Resp: 1070743

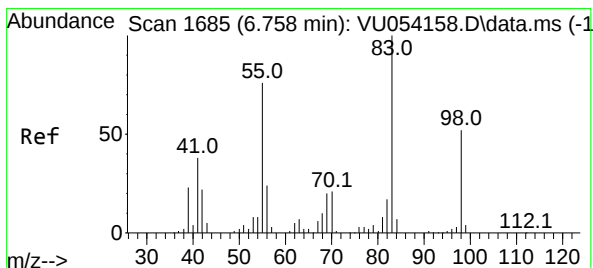
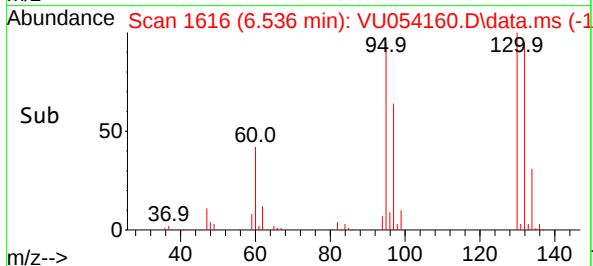
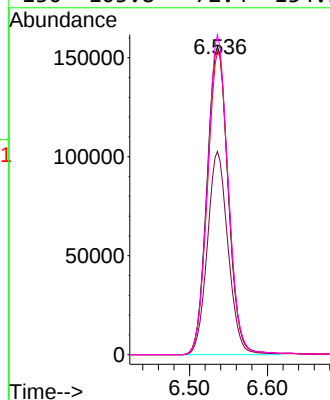
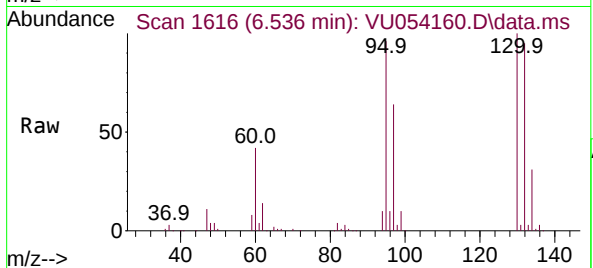




#34
Trichloroethene
Concen: 20.841 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

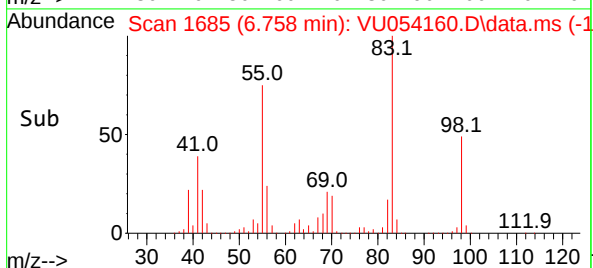
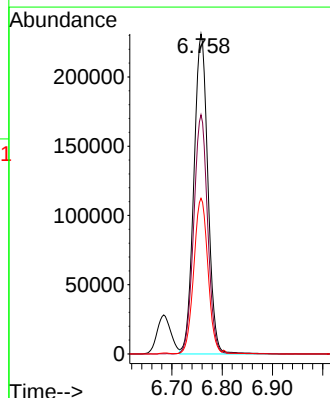
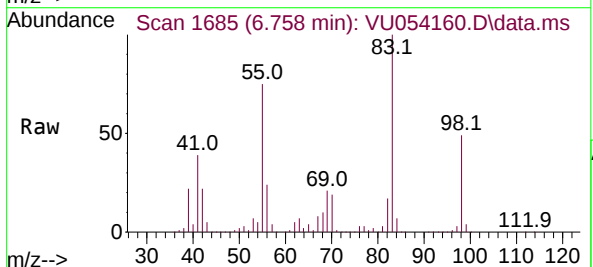
Instrument :
MSVOA_U
ClientSampleId :
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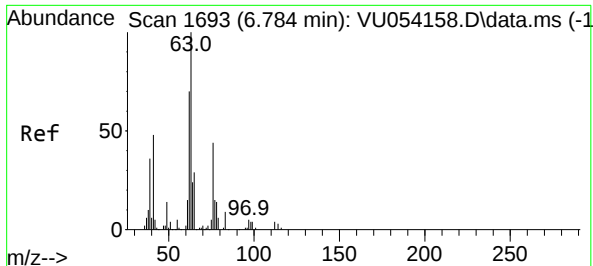
Tgt Ion: 95 Resp: 293759
Ion Ratio Lower Upper
95 100
97 65.9 45.8 85.0
132 98.6 70.1 130.3
130 103.8 72.4 134.5



#35
Methylcyclohexane
Concen: 20.930 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 83 Resp: 447750
Ion Ratio Lower Upper
83 100
55 74.1 61.6 92.4
98 48.7 41.3 61.9

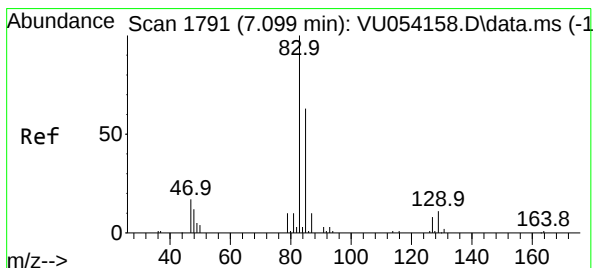
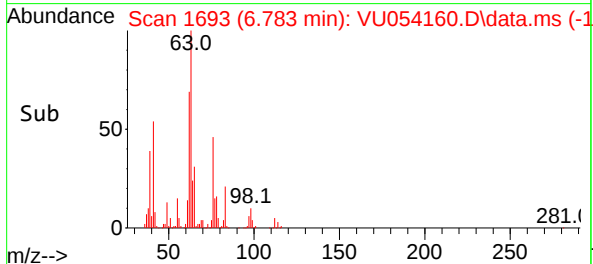
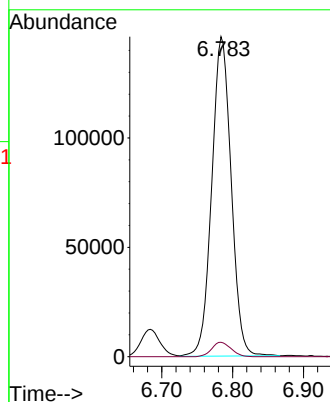
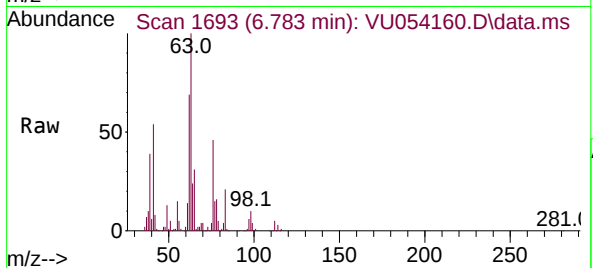




#37
1,2-Dichloropropane
Concen: 21.345 ug/L
RT: 6.783 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

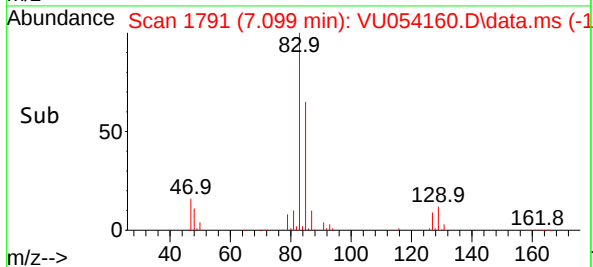
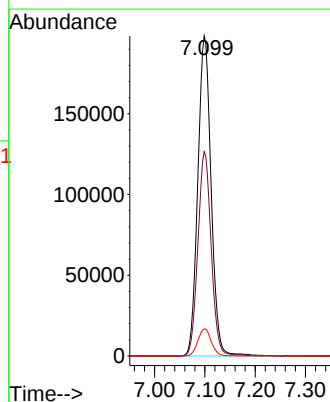
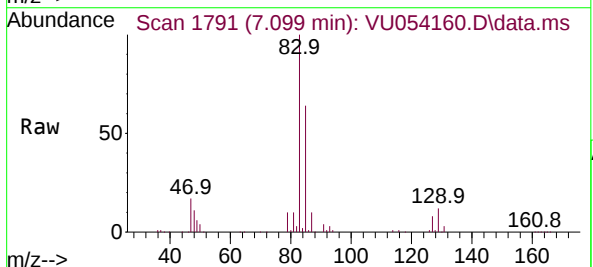
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

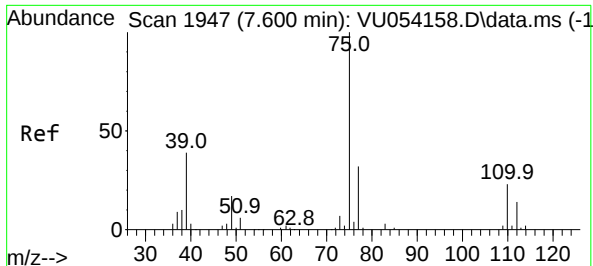
Tgt Ion: 63 Resp: 278077
Ion Ratio Lower Upper
63 100
112 4.5 3.3 4.9



#38
Bromodichloromethane
Concen: 22.303 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 83 Resp: 364848
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.0
127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 22.287 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

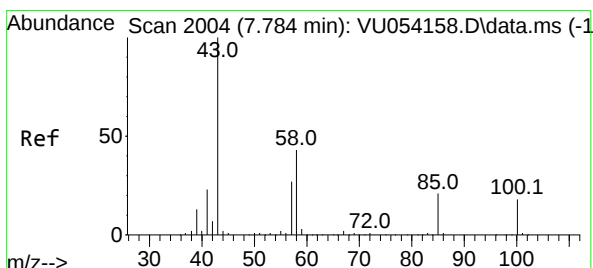
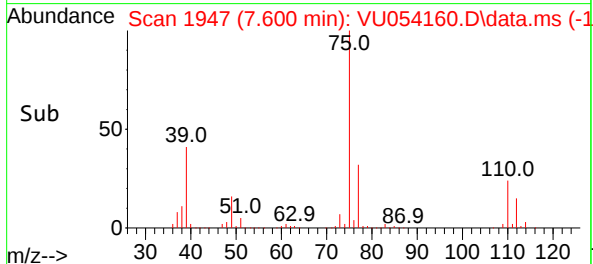
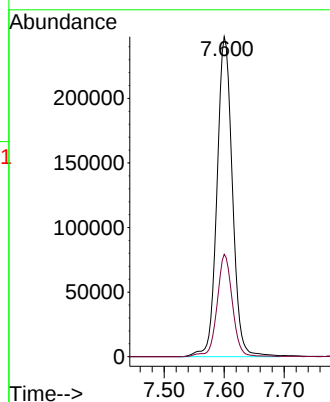
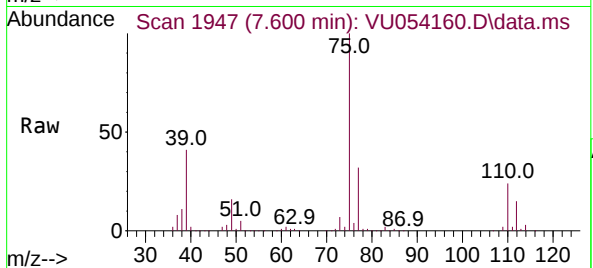
VSTD020029

Tgt Ion: 75 Resp: 440774

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 245.612 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

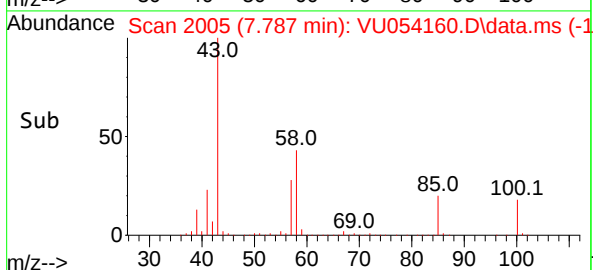
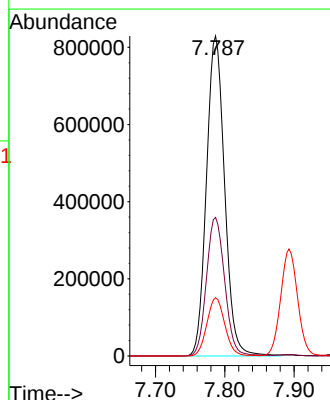
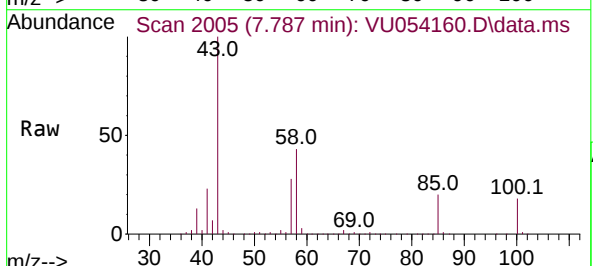
Tgt Ion: 43 Resp: 1504656

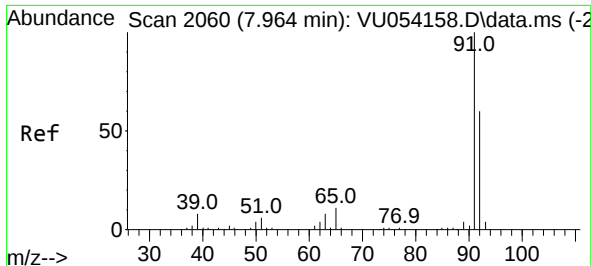
Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2

100 18.0 14.1 21.1





#42

Toluene

Concen: 20.969 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

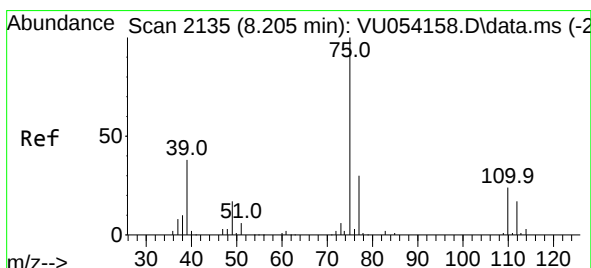
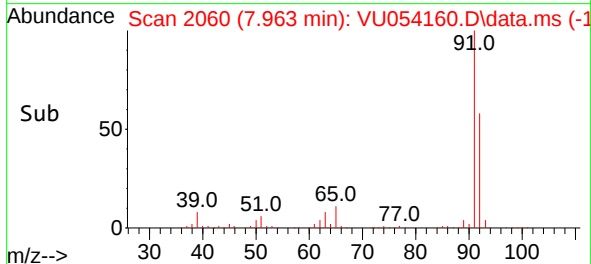
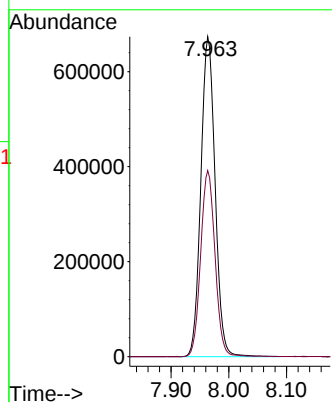
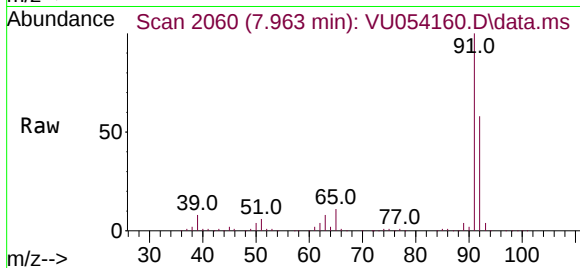
VSTD020029

Tgt Ion: 91 Resp: 1155625

Ion Ratio Lower Upper

91 100

92 58.2 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 23.095 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054160.D

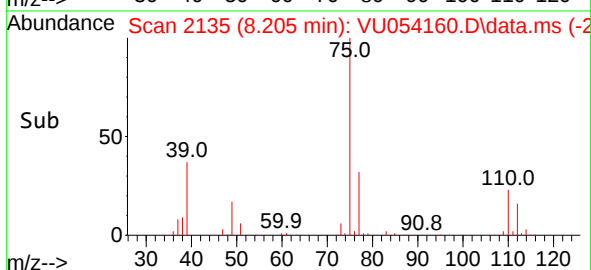
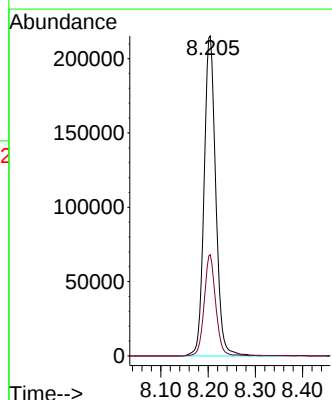
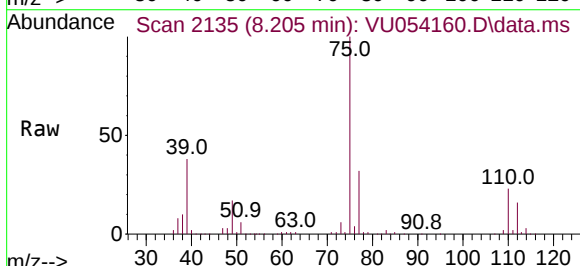
Acq: 18 May 2023 11:23

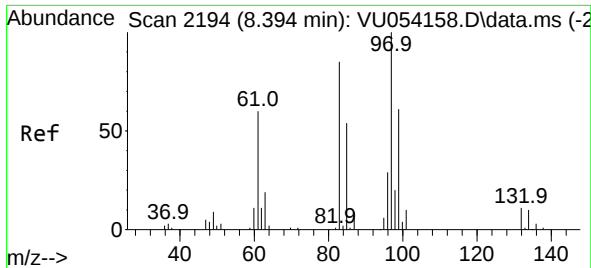
Tgt Ion: 75 Resp: 369764

Ion Ratio Lower Upper

75 100

77 31.6 20.8 38.6



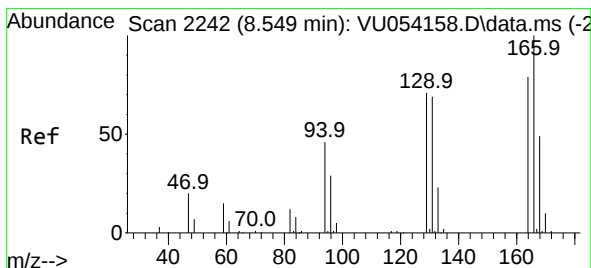
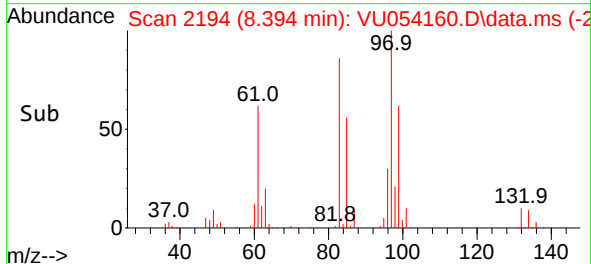
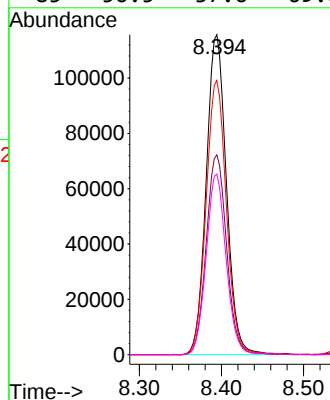
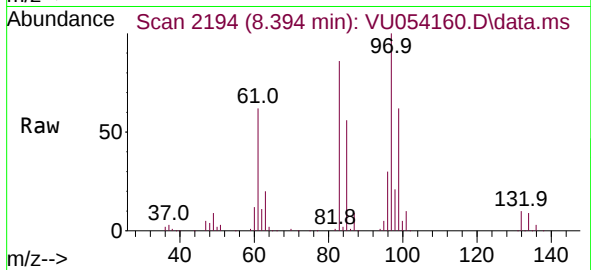


#45
1,1,2-Trichloroethane
Concen: 20.488 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

Tgt Ion: 97 Resp: 198154

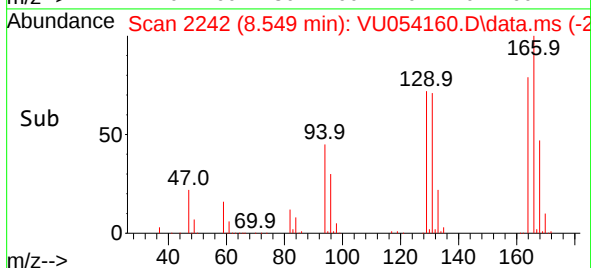
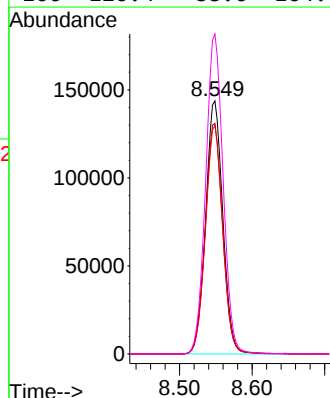
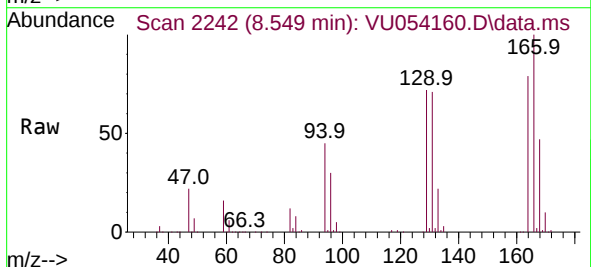
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	79.8
83	85.7	59.1	109.9
85	56.5	37.6	69.8

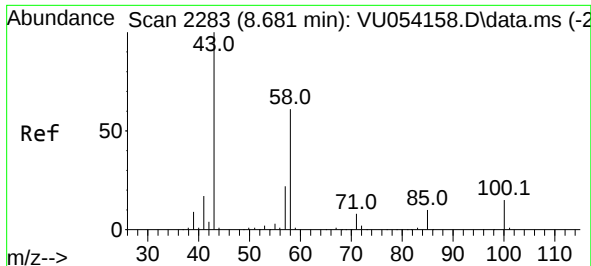


#47
Tetrachloroethene
Concen: 21.080 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 164 Resp: 237673

Ion	Ratio	Lower	Upper
164	100		
129	91.1	63.3	117.7
131	90.3	61.0	113.4
166	126.4	88.6	164.6



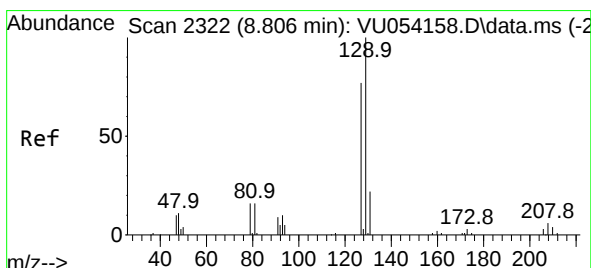
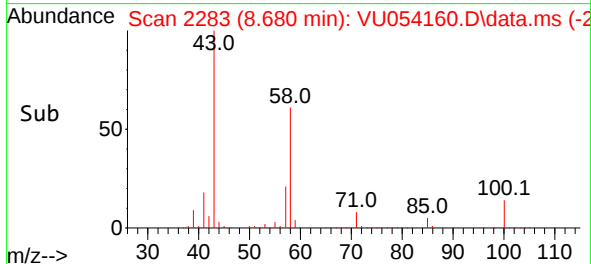
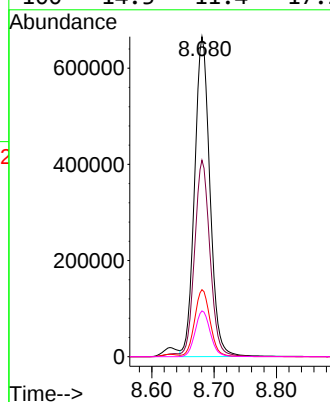
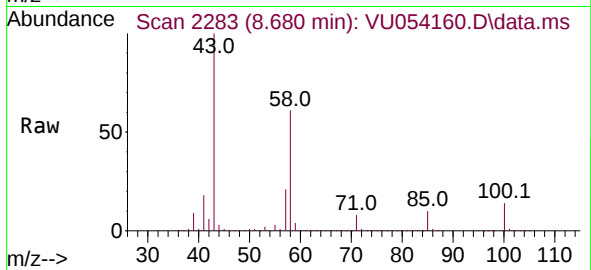


#48
2-Hexanone
Concen: 243.263 ug/L
RT: 8.680 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

Tgt Ion: 43 Resp: 1137592

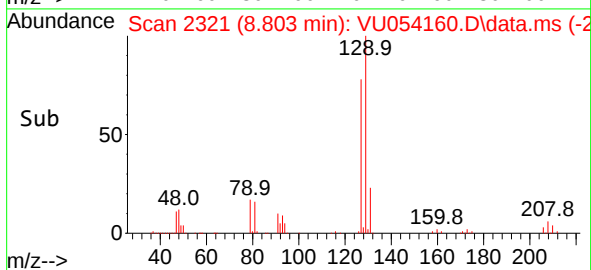
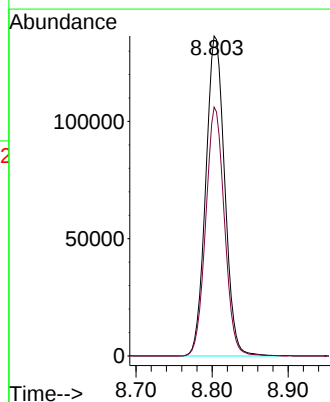
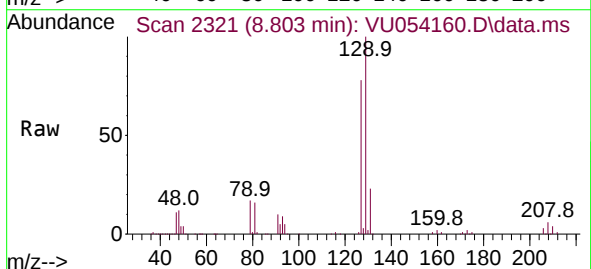
Ion	Ratio	Lower	Upper
43	100		
58	61.1	48.6	72.8
57	21.1	16.7	25.1
100	14.3	11.4	17.2

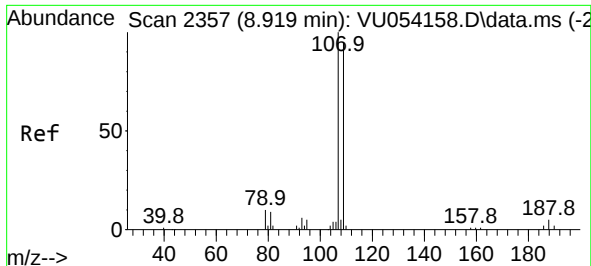


#49
Dibromochloromethane
Concen: 22.695 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 129 Resp: 235624

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.6	99.6





#50

1,2-Dibromoethane

Concen: 21.072 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020029

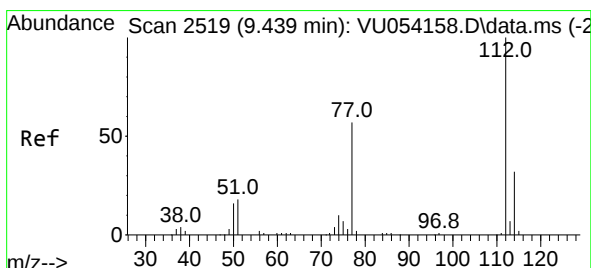
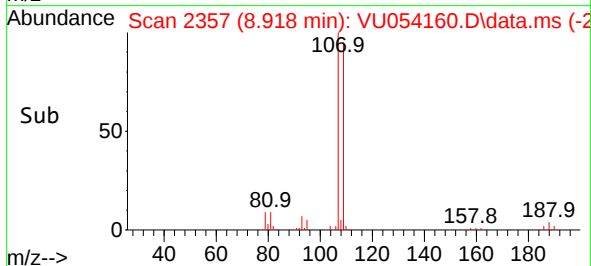
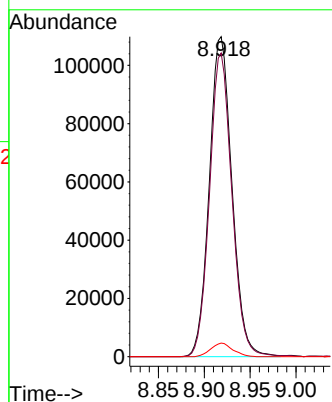
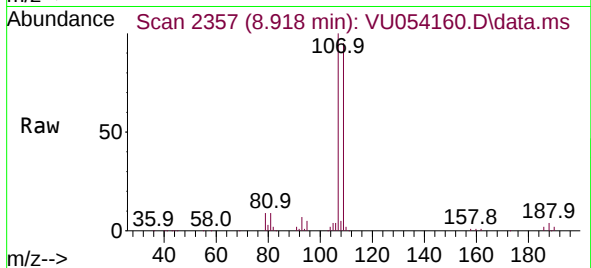
Tgt Ion:107 Resp: 188977

Ion Ratio Lower Upper

107 100

109 94.9 66.4 123.2

188 4.3 3.8 5.6



#51

Chlorobenzene

Concen: 20.305 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

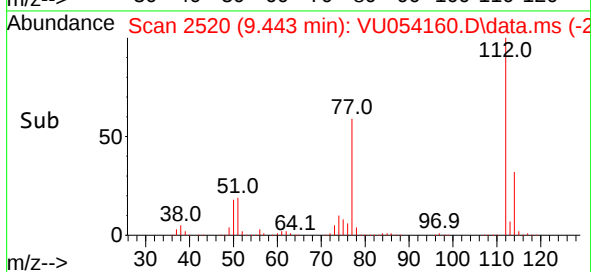
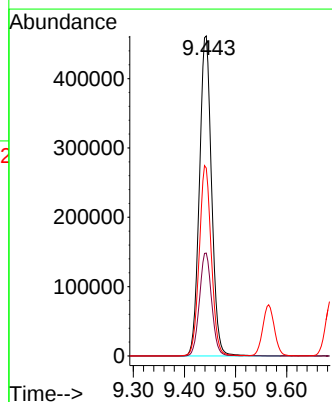
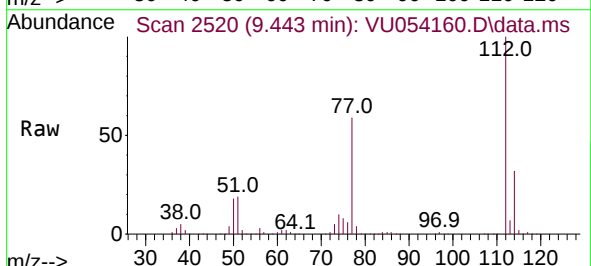
Tgt Ion:112 Resp: 762396

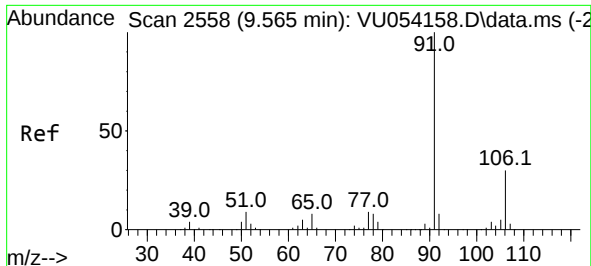
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 58.7 46.1 69.1





#52

Ethylbenzene

Concen: 22.043 ug/L

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

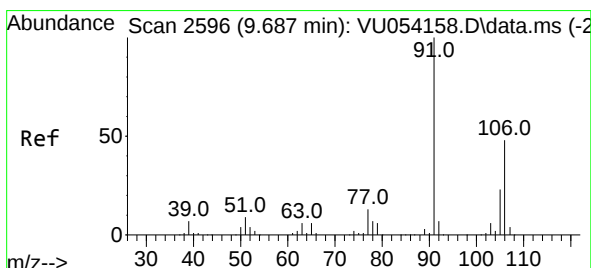
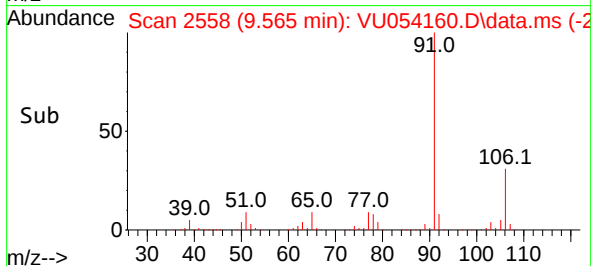
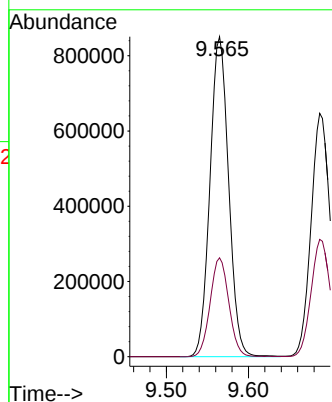
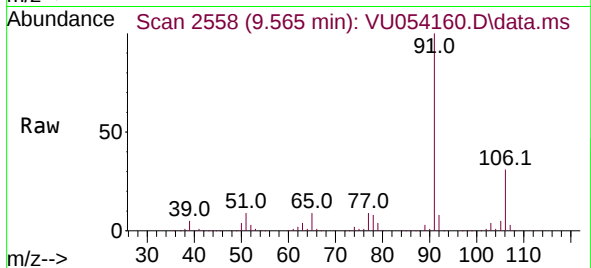
VSTD020029

Tgt Ion: 91 Resp: 1343927

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-Xylene

Concen: 22.035 ug/L

RT: 9.687 min Scan# 2596

Delta R.T. -0.000 min

Lab File: VU054160.D

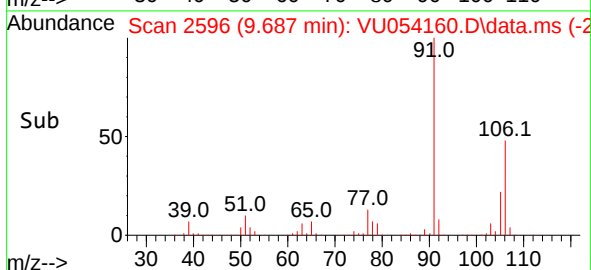
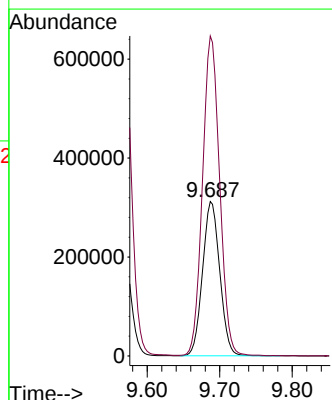
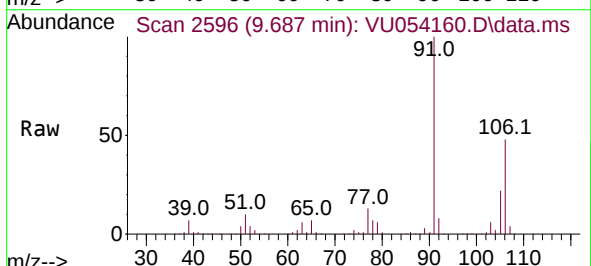
Acq: 18 May 2023 11:23

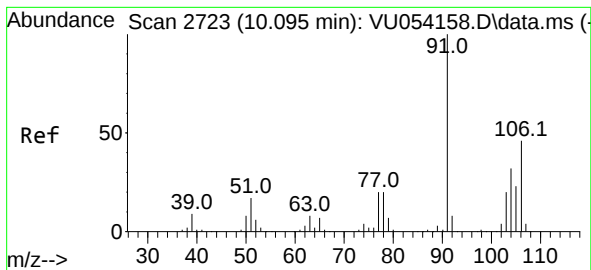
Tgt Ion:106 Resp: 513856

Ion Ratio Lower Upper

106 100

91 207.3 146.3 271.7





#54

o-Xylene

Concen: 22.136 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

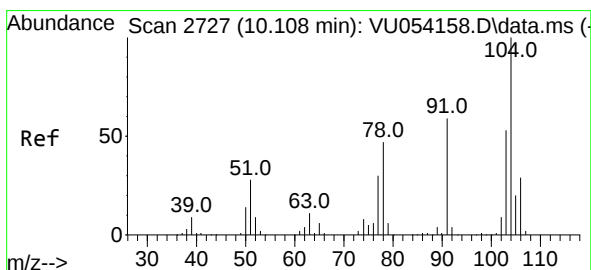
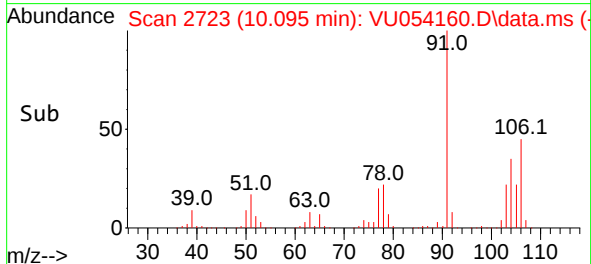
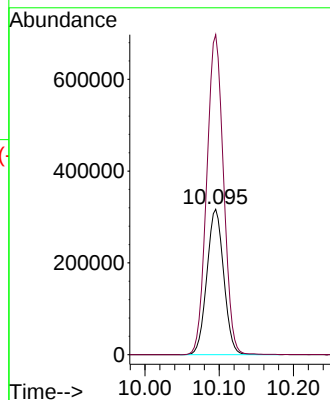
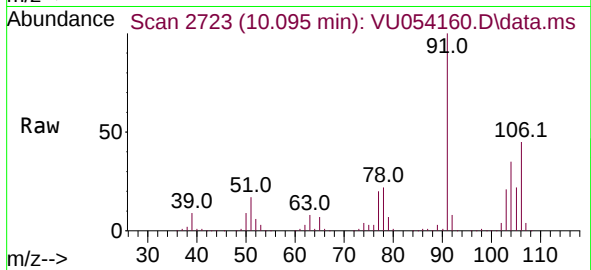
VSTD020029

Tgt Ion:106 Resp: 499011

Ion Ratio Lower Upper

106 100

91 220.0 153.6 285.3



#55

Styrene

Concen: 23.073 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054160.D

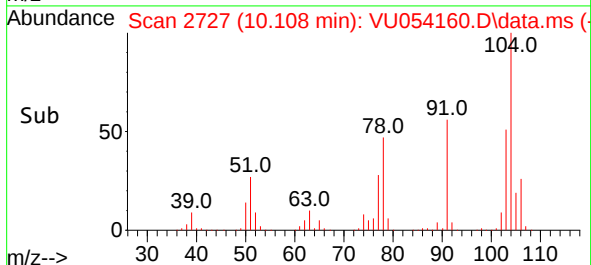
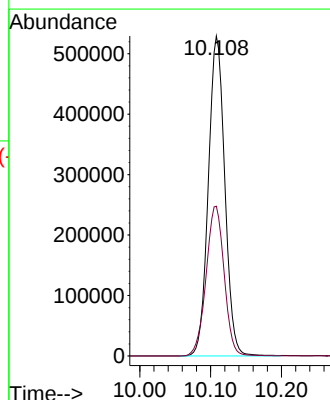
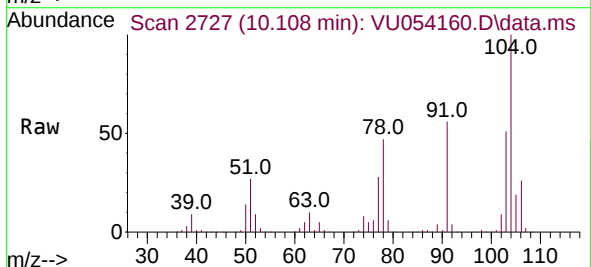
Acq: 18 May 2023 11:23

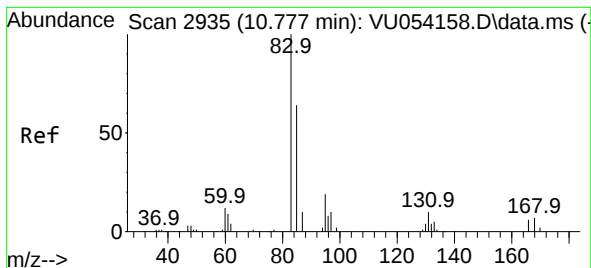
Tgt Ion:104 Resp: 853439

Ion Ratio Lower Upper

104 100

78 46.8 33.1 61.5

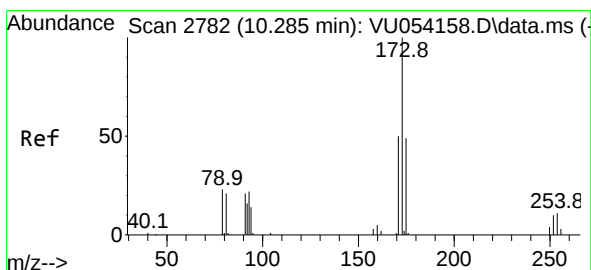
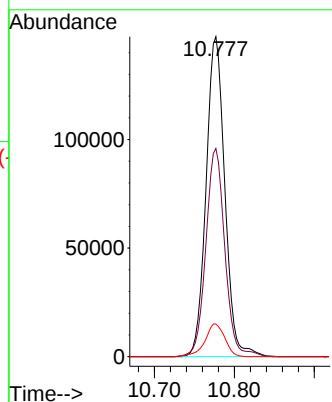
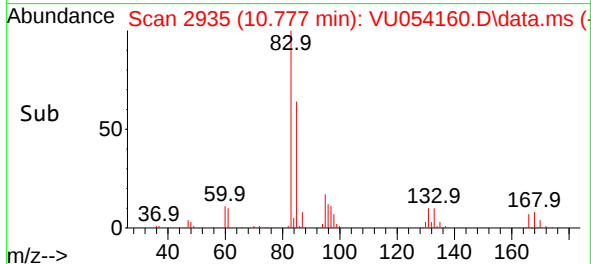
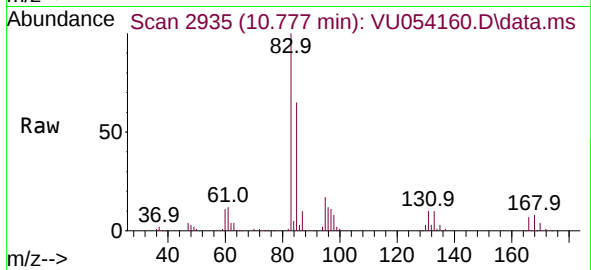




#57
1,1,2,2-Tetrachloroethane
Concen: 20.587 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

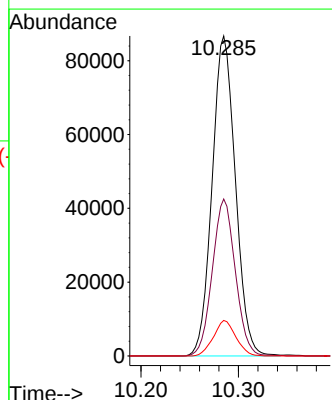
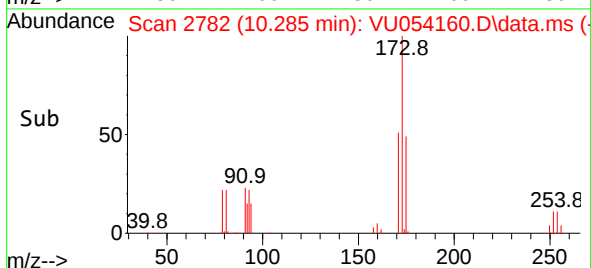
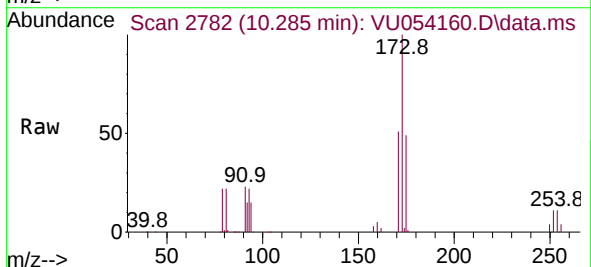
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

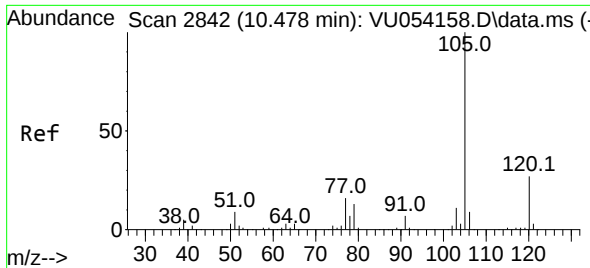
Tgt Ion: 83 Resp: 240172
Ion Ratio Lower Upper
83 100
85 65.1 44.8 83.2
131 10.2 8.1 12.1



#59
Bromoform
Concen: 23.280 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion:173 Resp: 143883
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
254 10.7 7.9 11.9

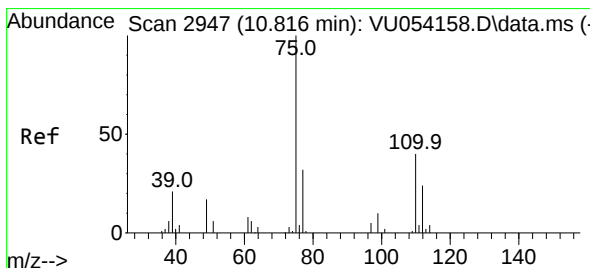
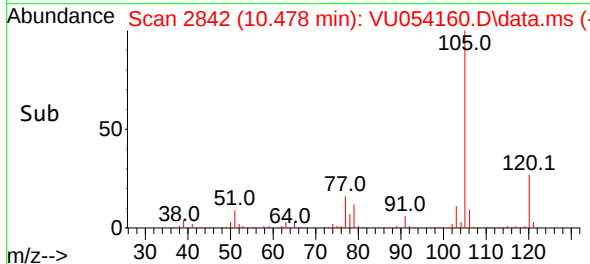
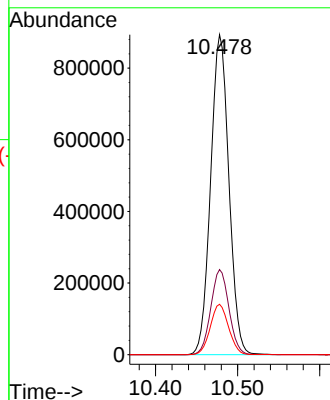
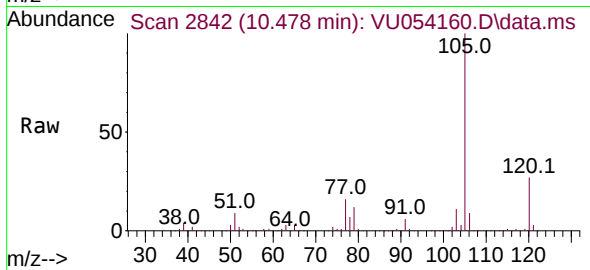




#60
Isopropylbenzene
Concen: 21.696 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

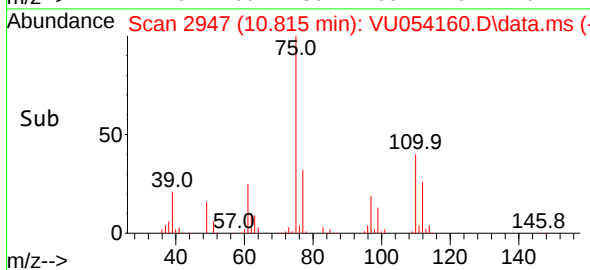
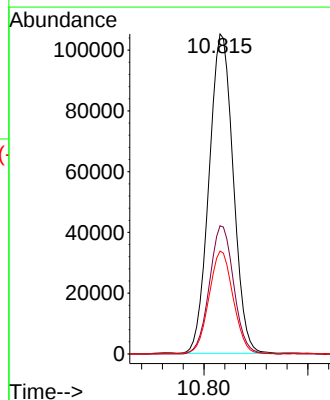
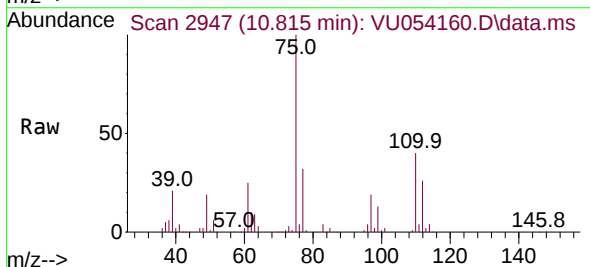
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

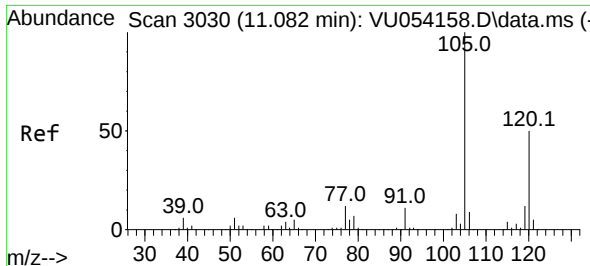
Tgt Ion:105 Resp: 1382395
Ion Ratio Lower Upper
105 100
120 26.4 21.3 31.9
77 15.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 20.668 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion: 75 Resp: 170066
Ion Ratio Lower Upper
75 100
110 40.2 32.3 48.5
77 32.5 26.3 39.5

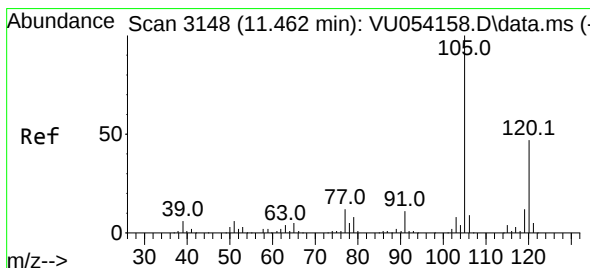
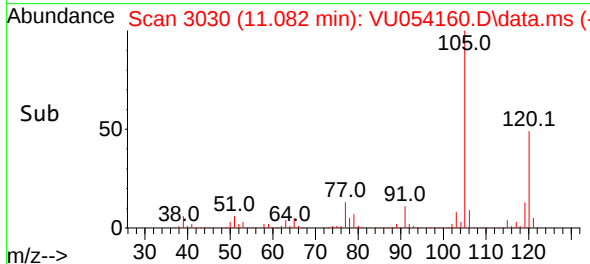
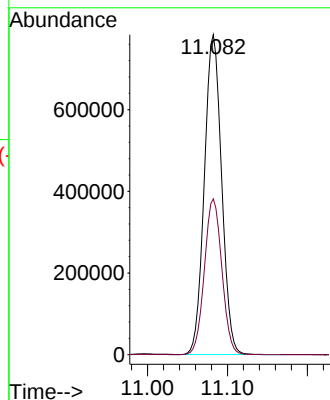
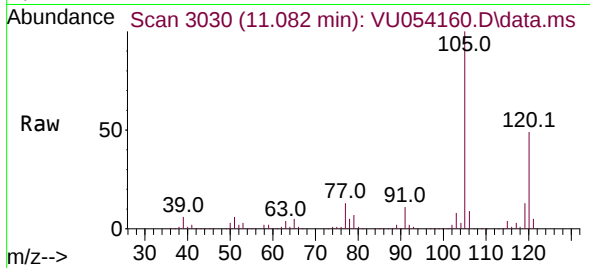




#62
1,3,5-Trimethylbenzene
Concen: 22.673 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

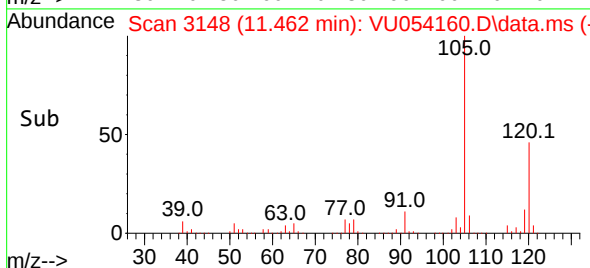
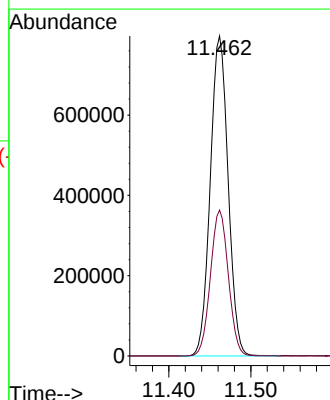
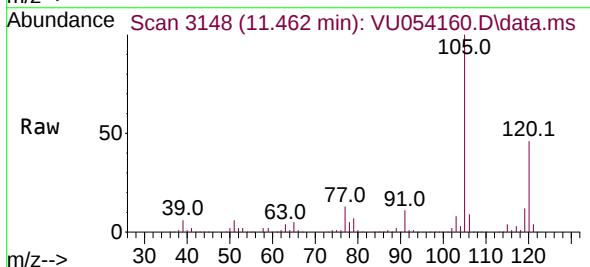
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

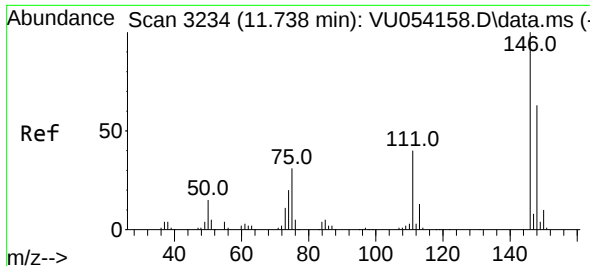
Tgt Ion:105 Resp: 1178531
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.0



#63
1,2,4-Trimethylbenzene
Concen: 22.914 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion:105 Resp: 1205386
Ion Ratio Lower Upper
105 100
120 45.7 36.9 55.3

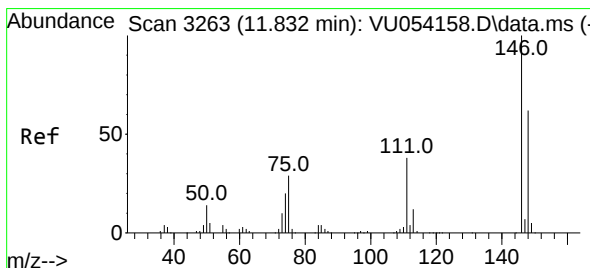
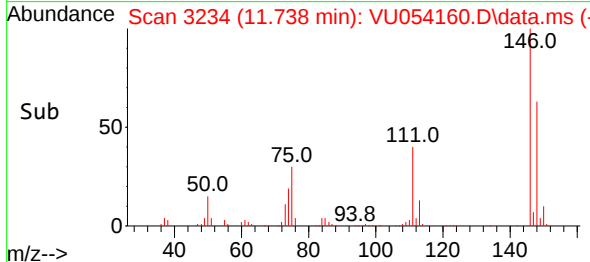
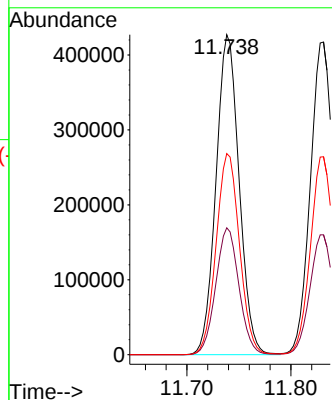
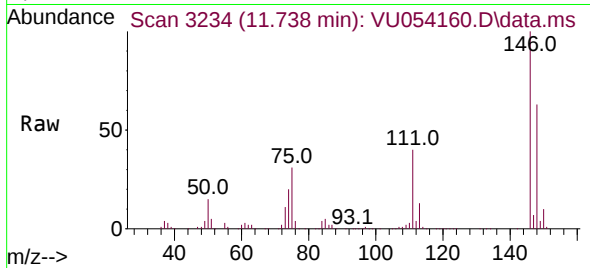




#64
1,3-Dichlorobenzene
Concen: 20.734 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

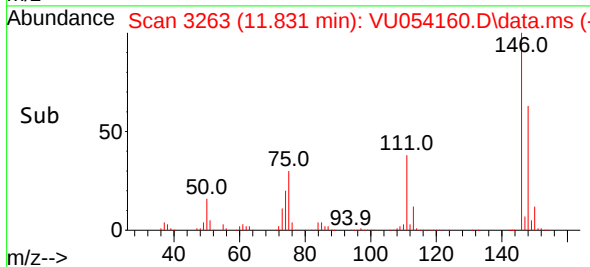
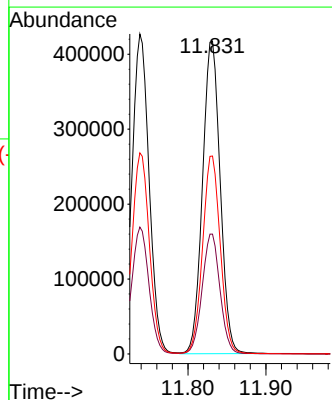
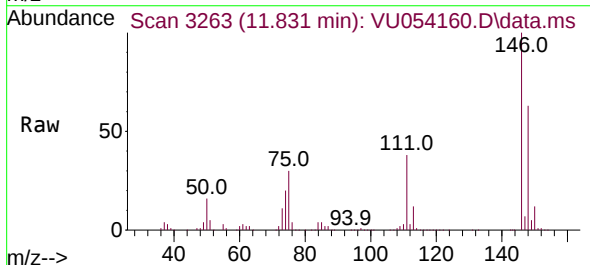
Instrument :
MSVOA_U
ClientSampleId :
VSTD020029

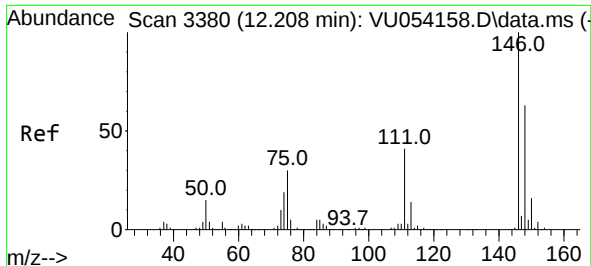
Tgt Ion:146 Resp: 660691
Ion Ratio Lower Upper
146 100
111 39.7 27.8 51.6
148 62.9 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 20.428 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054160.D
Acq: 18 May 2023 11:23

Tgt Ion:146 Resp: 658127
Ion Ratio Lower Upper
146 100
111 38.3 26.6 49.4
148 63.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 20.762 ug/L

RT: 12.204 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020029

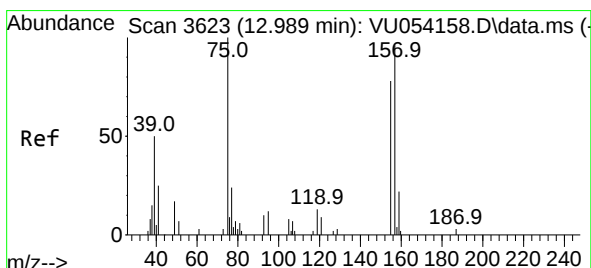
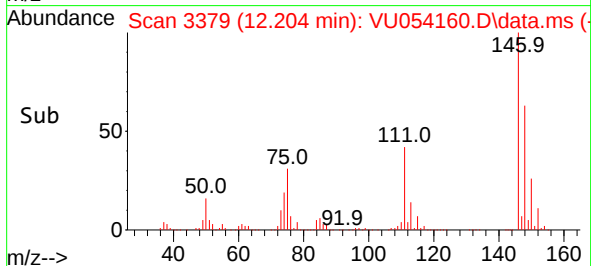
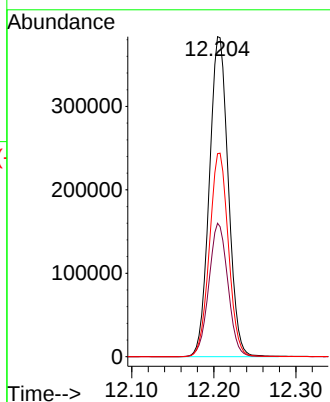
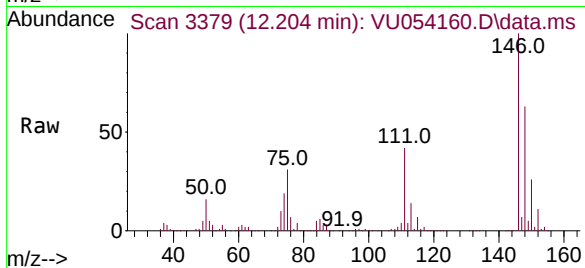
Tgt Ion:146 Resp: 614808

Ion Ratio Lower Upper

146 100

111 41.7 33.0 49.4

148 63.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 22.648 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

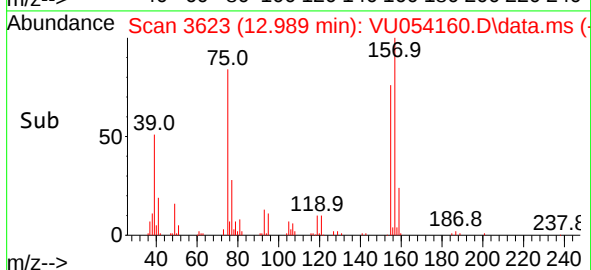
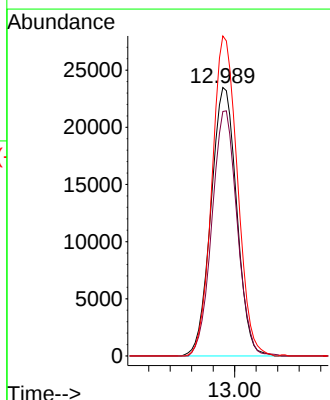
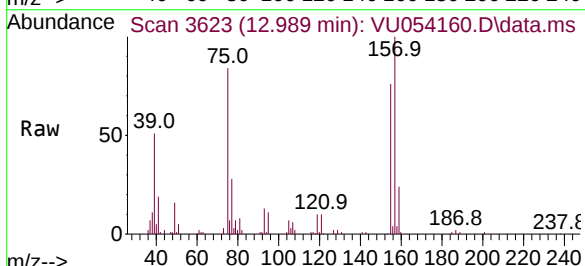
Tgt Ion: 75 Resp: 39040

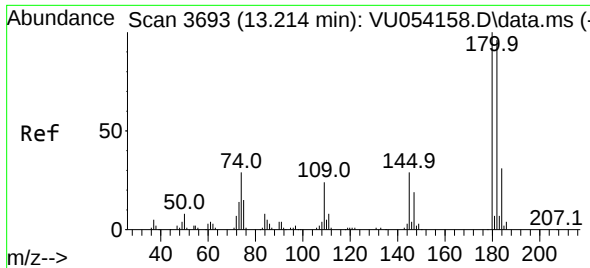
Ion Ratio Lower Upper

75 100

155 91.1 62.7 94.1

157 119.2 77.0 115.4#



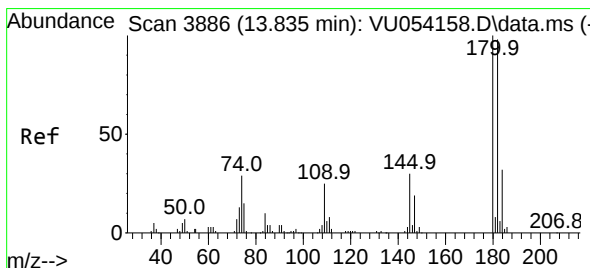
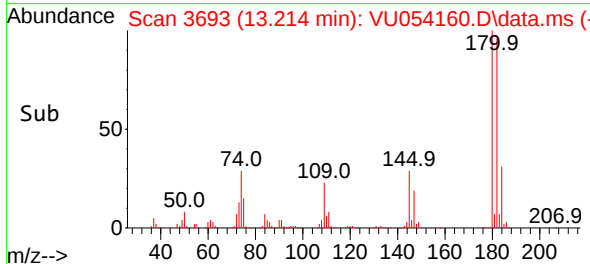
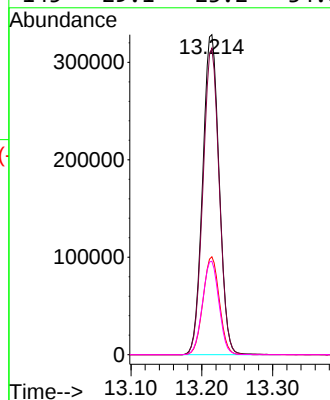
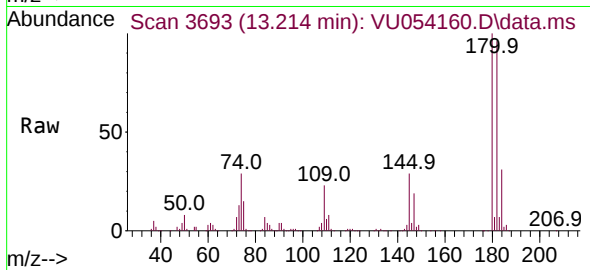


#69
 1,3,5-Trichlorobenzene
 Concen: 22.867 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020029

Tgt Ion:180 Resp: 530082

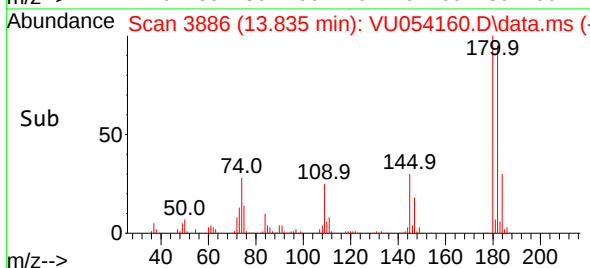
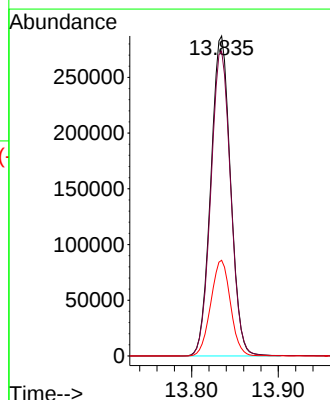
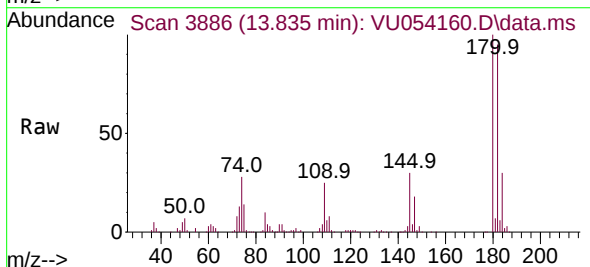
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
184	30.4	24.5	36.7
145	29.1	23.2	34.8

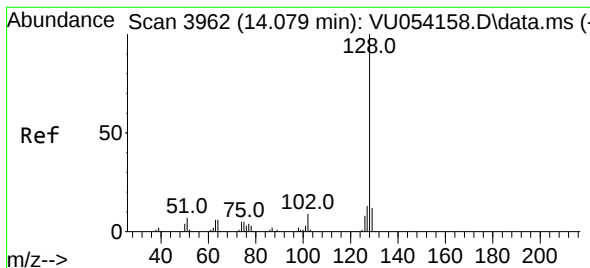


#70
 1,2,4-trichlorobenzene
 Concen: 21.577 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054160.D
 Acq: 18 May 2023 11:23

Tgt Ion:180 Resp: 454879

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
145	29.9	23.3	34.9





#71

Naphthalene

Concen: 19.970 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020029

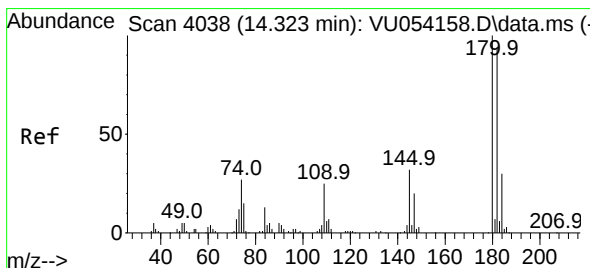
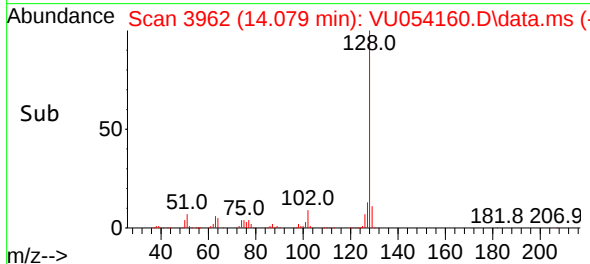
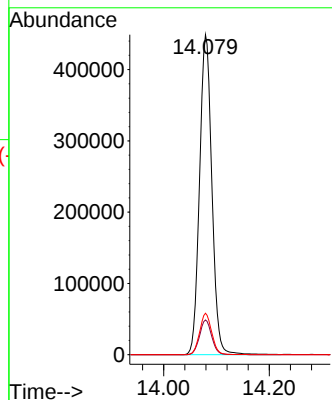
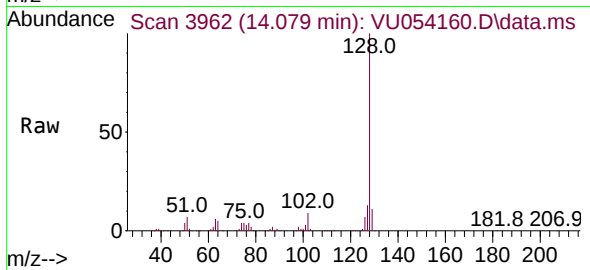
Tgt Ion:128 Resp: 725774

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

127 12.7 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 20.823 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU054160.D

Acq: 18 May 2023 11:23

Tgt Ion:180 Resp: 392531

Ion Ratio Lower Upper

180 100

182 96.9 76.4 114.6

145 31.3 25.1 37.7

