

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053982.D
 Acq On : 29 Apr 2023 13:16
 Operator : JC/MD
 Sample : VSTD01018
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010018

Quant Time: May 01 01:51:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	276203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	256994	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	133970	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	19836	9.323	ug/L	0.00
7) Chloroethane-d5	1.912	69	12755	7.966	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	35213	10.401	ug/L	0.00
21) 2-Butanone-d5	4.636	46	22483	22.127	ug/L	0.00
24) Chloroform-d	5.060	84	36109	10.034	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	23525	10.903	ug/L	0.00
32) Benzene-d6	5.722	84	71021	10.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	23009	10.575	ug/L	0.00
41) Toluene-d8	7.893	98	62405	9.035	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	10482	9.345	ug/L	0.00
47) 2-Hexanone-d5	8.635	63	15150	20.167	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	30345	10.079	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	24796	8.919	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	20373	9.346	ug/L	96
3) Chloromethane	1.520	50	19030	10.436	ug/L	99
5) Vinyl chloride	1.604	62	19984	9.555	ug/L	92
6) Bromomethane	1.858	94	10964	7.532	ug/L	99
8) Chloroethane	1.932	64	10674	8.610	ug/L	96
9) Trichlorofluoromethane	2.134	101	32510	10.118	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	19121	10.177	ug/L	99
12) 1,1-Dichloroethene	2.578	96	16314	9.749	ug/L	95
13) Acetone	2.642	43	24823	26.463	ug/L	97
14) Carbon disulfide	2.790	76	35066	8.203	ug/L	100
15) Methyl Acetate	2.951	43	19257	13.494	ug/L	95
16) Methylene chloride	3.044	84	22376	11.680	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	17104	10.185	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	60431	11.746	ug/L	99
19) 1,1-Dichloroethane	3.864	63	36425	12.386	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	19857	10.098	ug/L	97
22) 2-Butanone	4.713	43	27309	24.277	ug/L	99
23) Bromochloromethane	4.970	128	10371	9.594	ug/L	99
25) Chloroform	5.083	83	37950	11.448	ug/L	100
27) 1,2-Dichloroethane	5.790	62	28855	11.711	ug/L	98
29) Cyclohexane	5.382	56	26868	10.750	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	31996	11.066	ug/L	97
31) Carbon tetrachloride	5.520	117	27190	10.568	ug/L	98
33) Benzene	5.771	78	75748	11.062	ug/L	100
34) Trichloroethene	6.539	95	20519	10.161	ug/L	96
35) Methylcyclohexane	6.758	83	27078	9.218	ug/L	98
37) 1,2-Dichloropropane	6.787	63	22308	12.560	ug/L	99
38) Bromodichloromethane	7.102	83	26321	11.238	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	31859	11.028	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	48787	24.719	ug/L	99
42) Toluene	7.967	91	75994	9.957	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	31057	11.427	ug/L	99

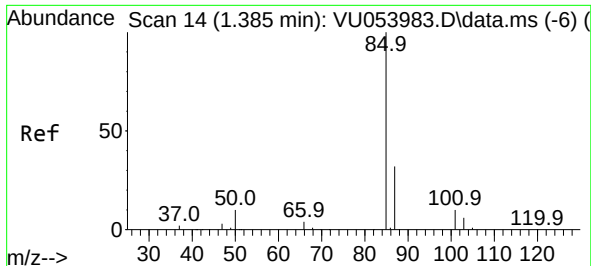
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
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 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	20520	10.826	ug/L	98
46) Tetrachloroethene	8.549	164	16036	9.713	ug/L	96
48) 2-Hexanone	8.684	43	39661	24.855	ug/L	98
49) Dibromochloromethane	8.806	129	19209	9.863	ug/L	99
50) 1,2-Dibromoethane	8.918	107	20831	9.983	ug/L	99
51) Chlorobenzene	9.443	112	53188	10.192	ug/L	98
52) Ethylbenzene	9.565	91	86822	10.221	ug/L	100
53) m,p-Xylene	9.690	106	31985	9.691	ug/L	99
54) o-Xylene	10.095	106	31566	9.696	ug/L	99
55) Styrene	10.111	104	52431	9.759	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	33897	11.953	ug/L	97
59) Bromoform	10.285	173	14614	10.482	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	26456	12.977	ug/L	97
61) Isopropylbenzene	10.481	105	84712	10.547	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	66715	10.018	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	65466	9.918	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	41552	10.030	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	44036	10.403	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	42769	10.329	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	6177	11.320	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	30220	9.887	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	26103	9.220	ug/L	99
71) Naphthalene	14.082	128	72388	8.576	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	26125	9.231	ug/L	99

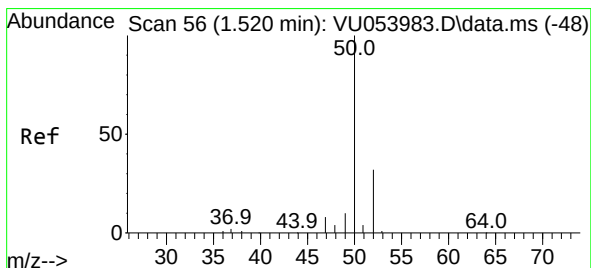
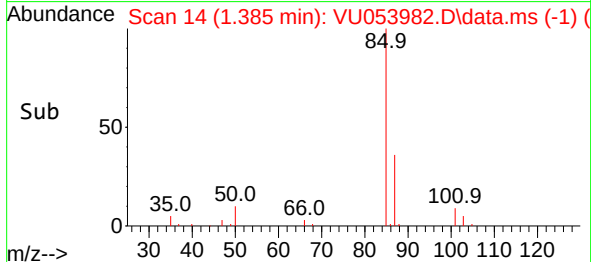
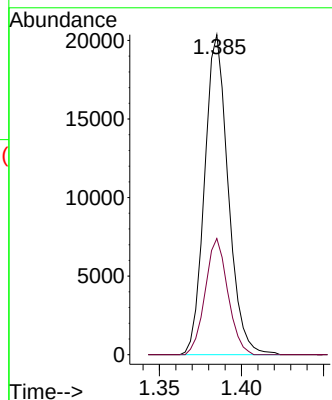
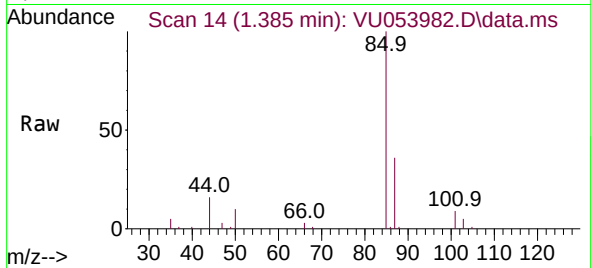
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#2
Dichlorodifluoromethane
Concen: 9.346 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

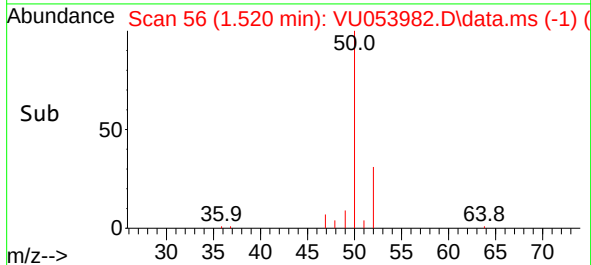
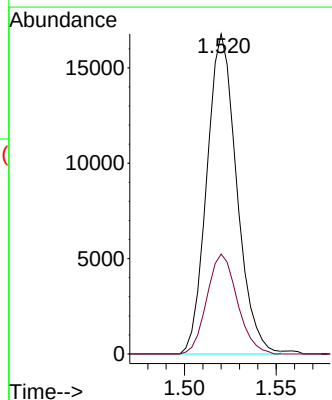
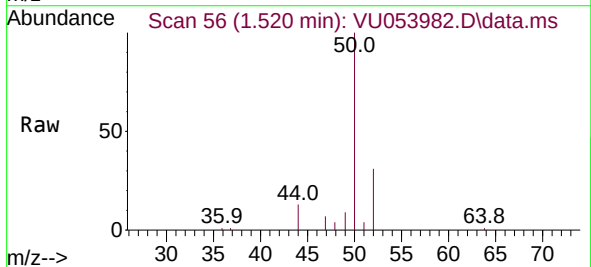
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

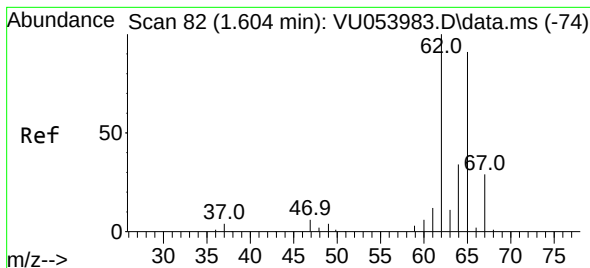
Tgt Ion: 85 Resp: 20373
Ion Ratio Lower Upper
85 100
87 34.8 26.0 39.0



#3
Chloromethane
Concen: 10.436 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 50 Resp: 19030
Ion Ratio Lower Upper
50 100
52 31.2 22.4 41.6





#5

Vinyl chloride

Concen: 9.555 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

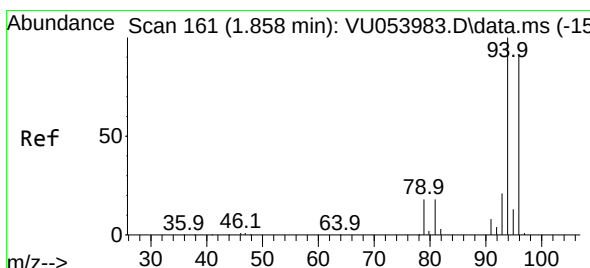
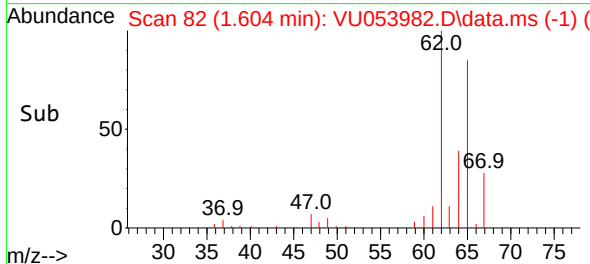
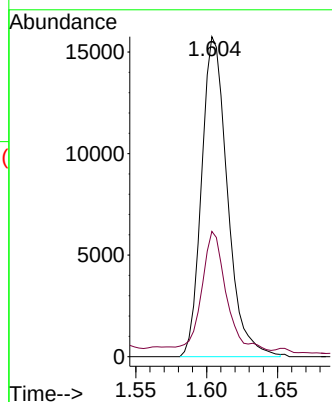
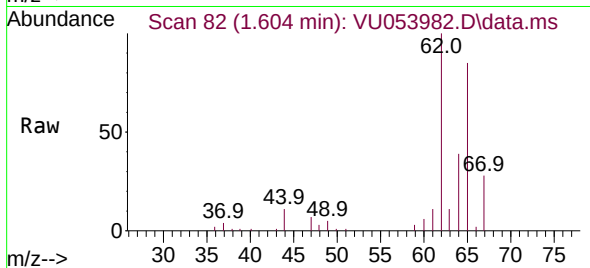
VSTD010018

Tgt Ion: 62 Resp: 19984

Ion Ratio Lower Upper

62 100

64 39.1 24.1 44.7



#6

Bromomethane

Concen: 7.532 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU053982.D

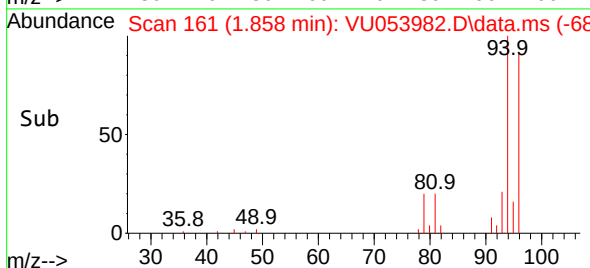
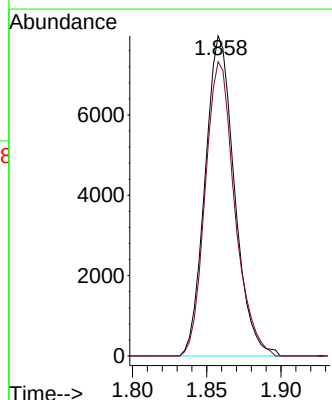
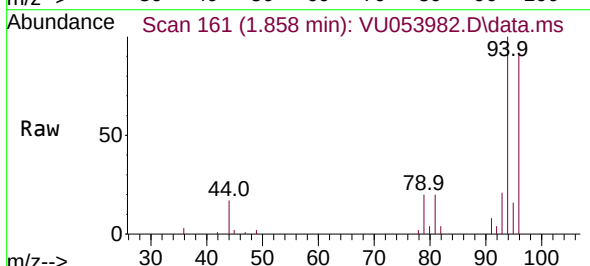
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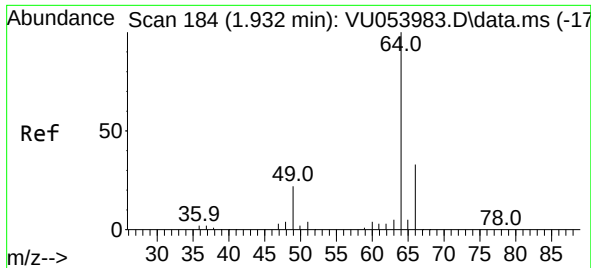
Tgt Ion: 94 Resp: 10964

Ion Ratio Lower Upper

94 100

96 92.0 63.9 118.7

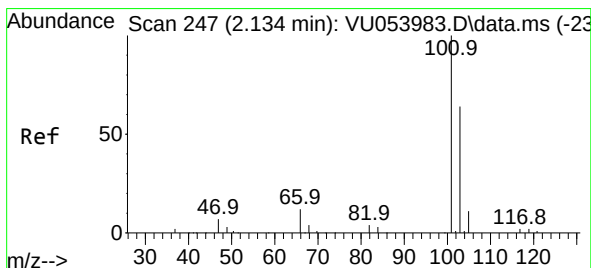
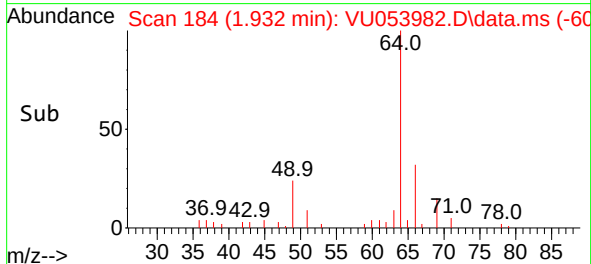
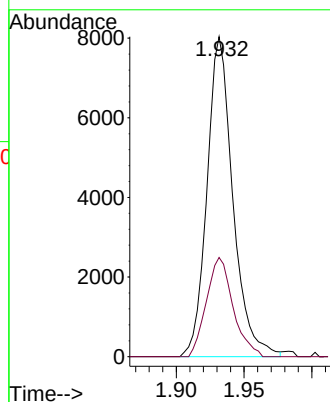
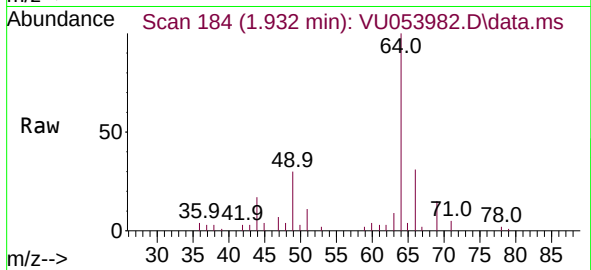




#8
Chloroethane
Concen: 8.610 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

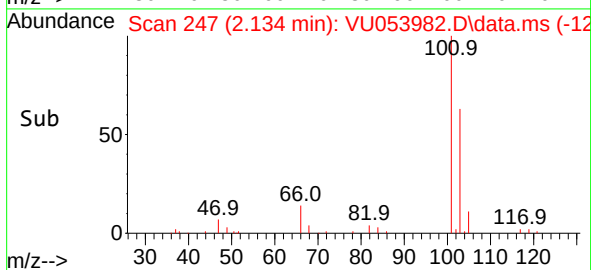
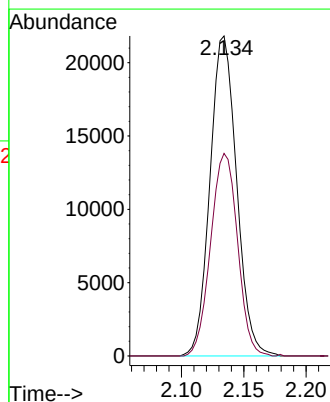
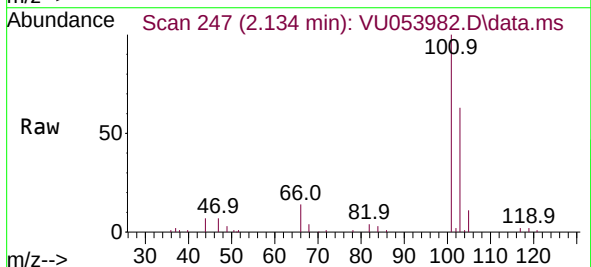
Instrument :
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ClientSampleId :
VSTD010018

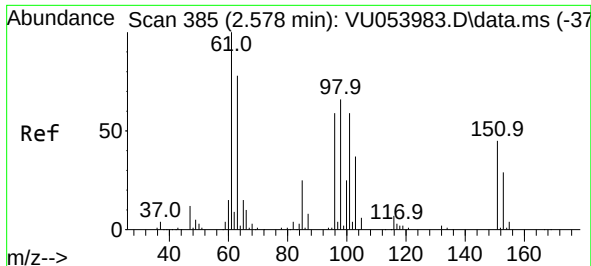
Tgt Ion: 64 Resp: 10674
Ion Ratio Lower Upper
64 100
66 31.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 10.118 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 101 Resp: 32510
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4

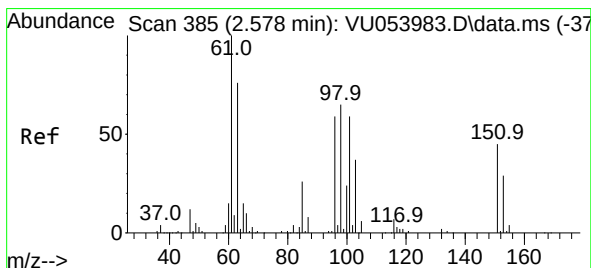
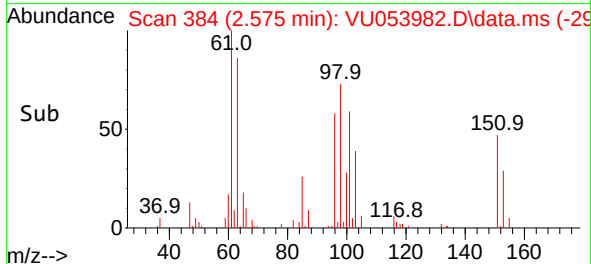
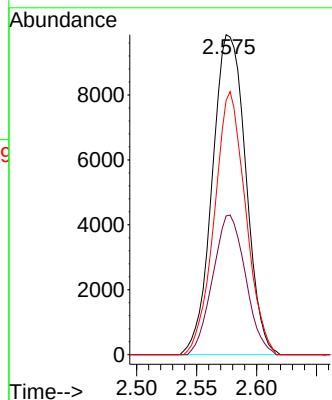
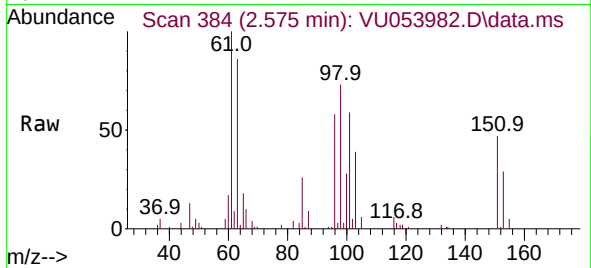




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.177 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

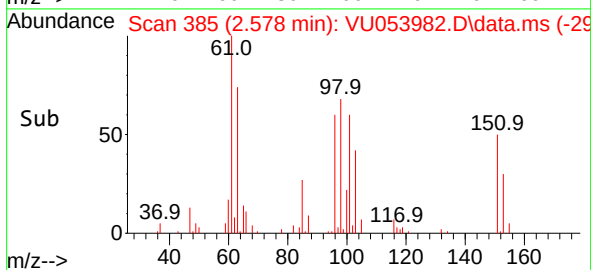
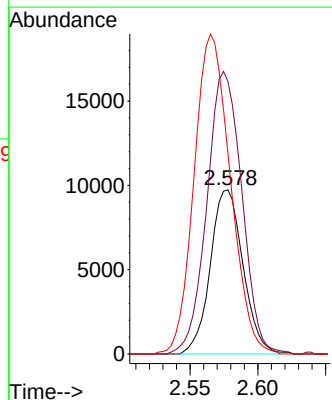
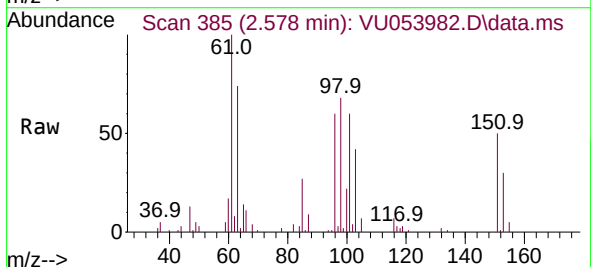
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

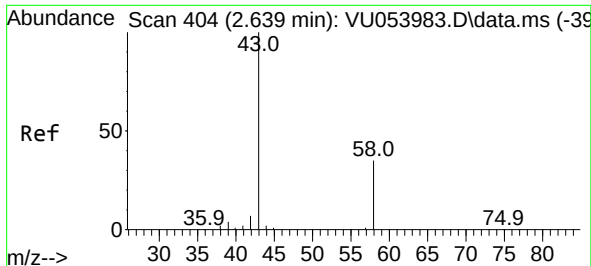
Tgt Ion:101 Resp: 19121
Ion Ratio Lower Upper
101 100
85 42.7 34.3 51.5
151 77.1 60.3 90.5



#12
1,1-Dichloroethene
Concen: 9.749 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 96 Resp: 16314
Ion Ratio Lower Upper
96 100
61 166.1 118.3 219.7
63 122.6 92.3 171.5





#13

Acetone

Concen: 26.463 ug/L

RT: 2.642 min Scan# 405

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

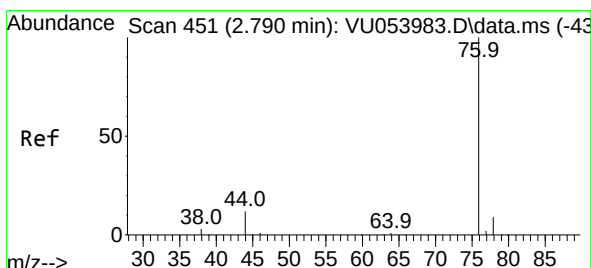
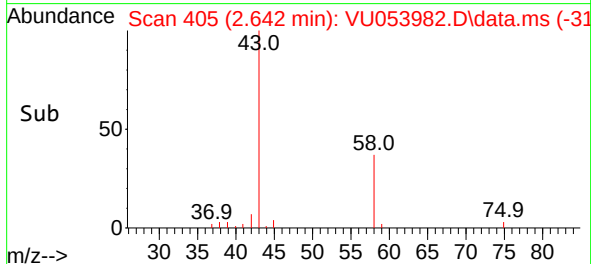
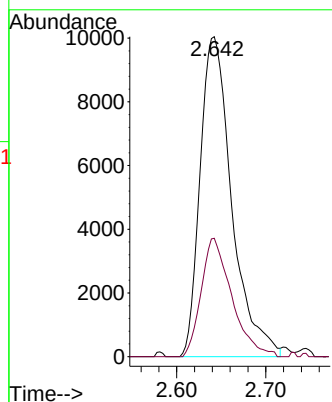
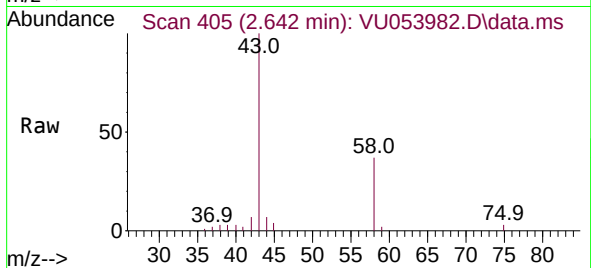
VSTD010018

Tgt Ion: 43 Resp: 24823

Ion Ratio Lower Upper

43 100

58 35.5 0.0 67.4



#14

Carbon disulfide

Concen: 8.203 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053982.D

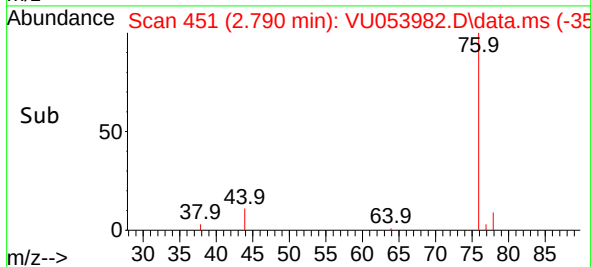
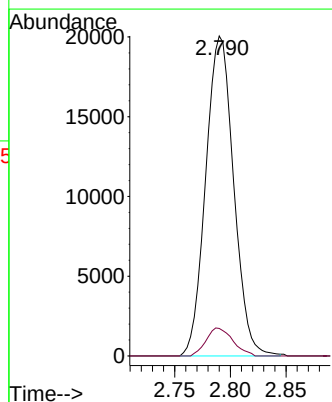
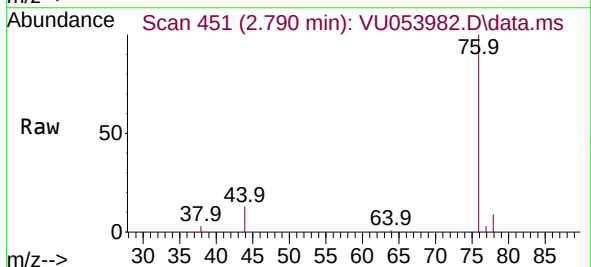
Acq: 29 Apr 2023 13:16

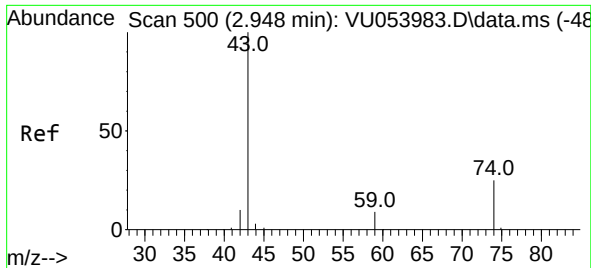
Tgt Ion: 76 Resp: 35066

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4

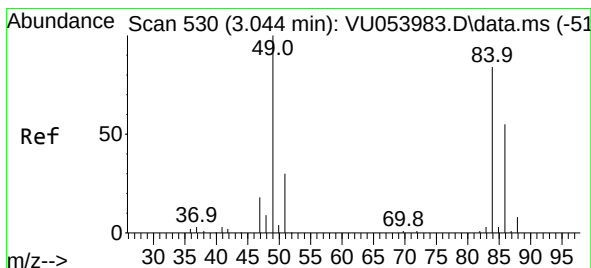
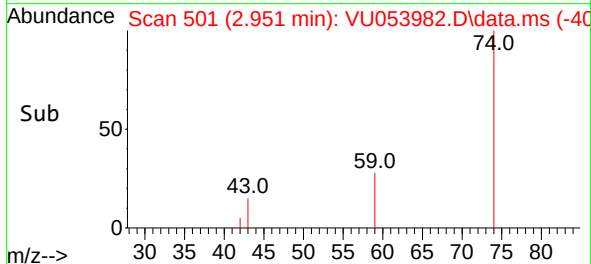
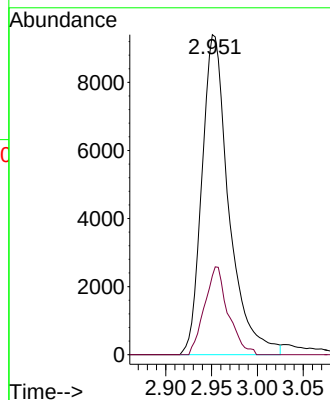
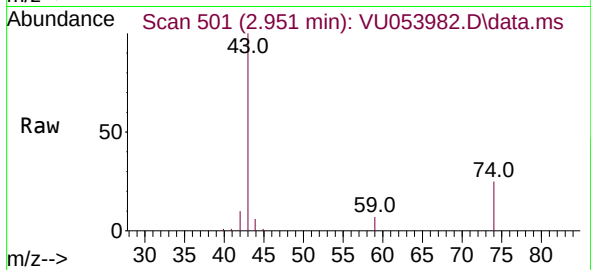




#15
Methyl Acetate
Concen: 13.494 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

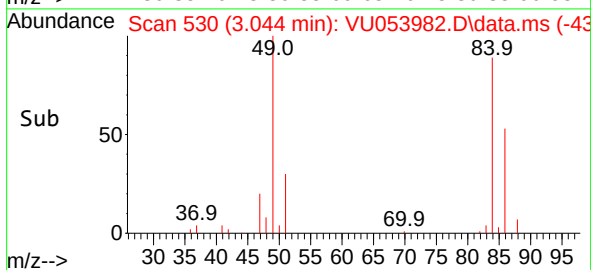
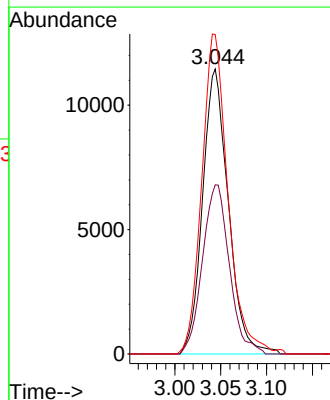
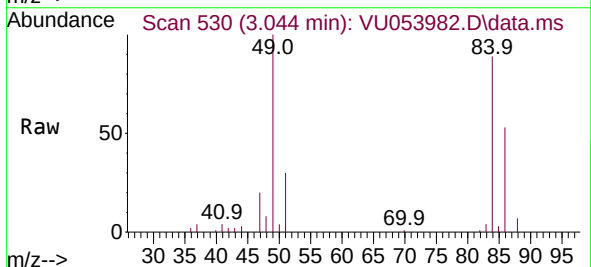
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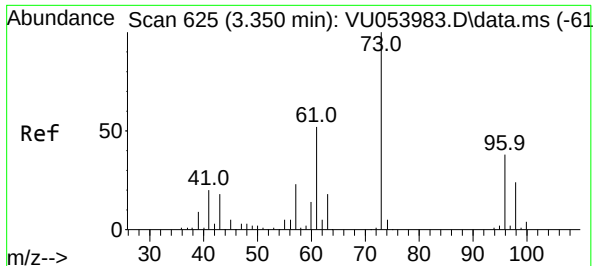
Tgt Ion: 43 Resp: 19257
Ion Ratio Lower Upper
43 100
74 23.8 21.2 31.8



#16
Methylene chloride
Concen: 11.680 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 84 Resp: 22376
Ion Ratio Lower Upper
84 100
86 59.4 45.8 85.2
49 112.1 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 10.185 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

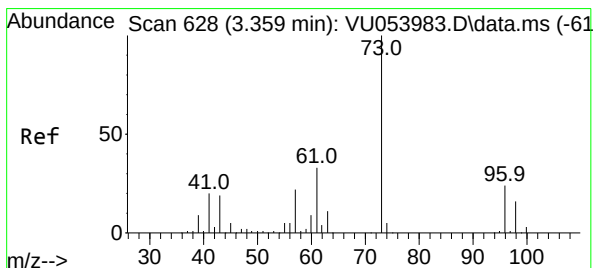
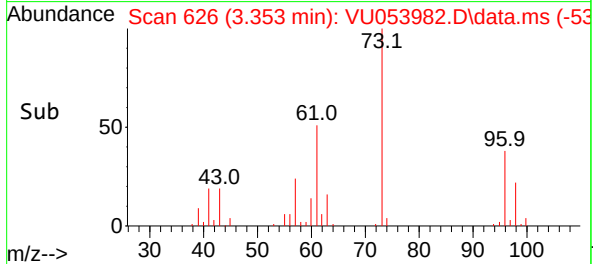
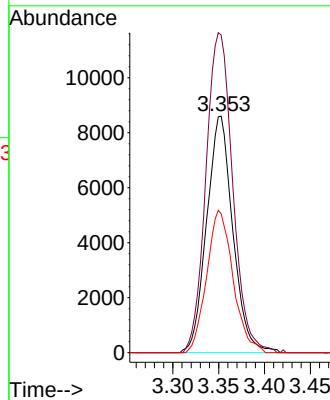
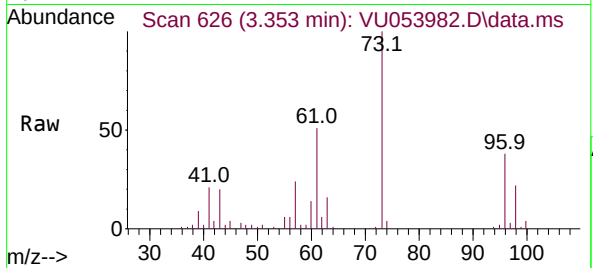
Tgt Ion: 96 Resp: 17104

Ion Ratio Lower Upper

96 100

61 134.3 97.5 181.1

98 58.7 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 11.746 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

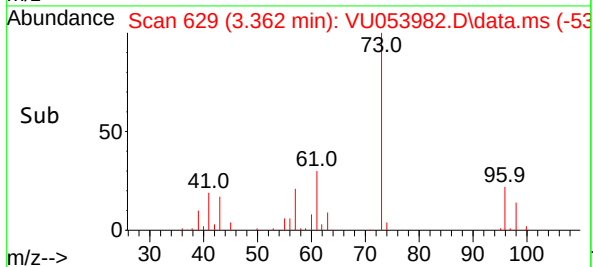
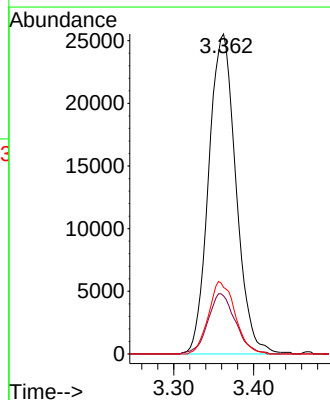
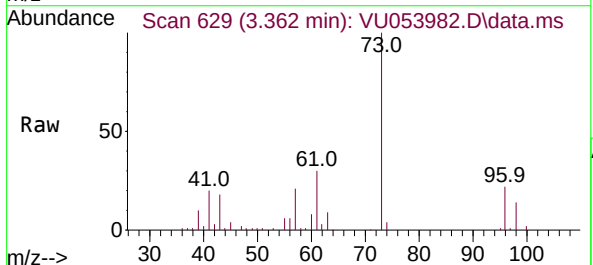
Tgt Ion: 73 Resp: 60431

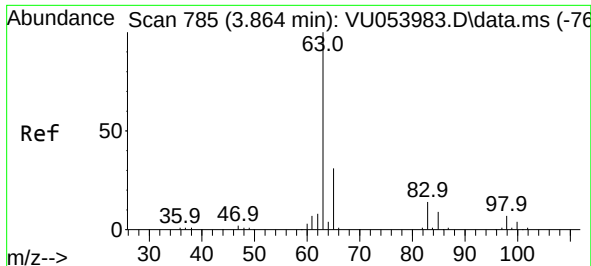
Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.0

57 22.0 18.0 27.0

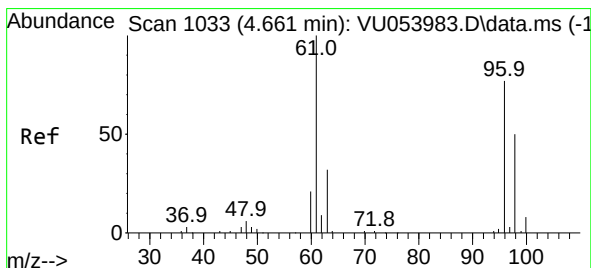
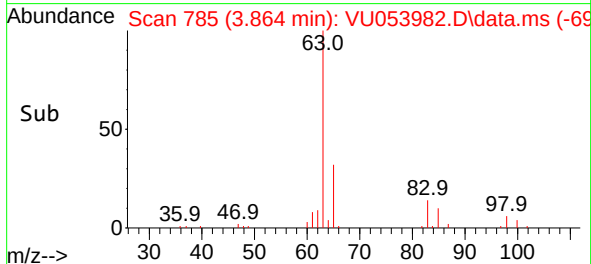
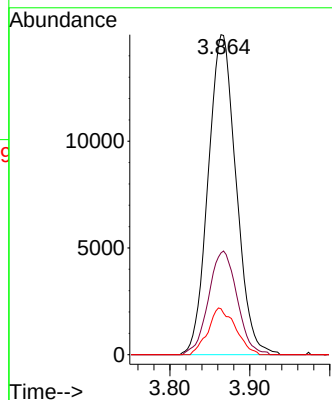
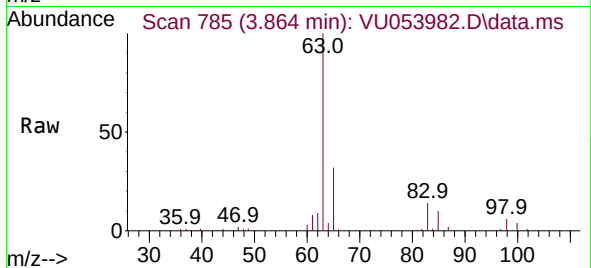




#19
1,1-Dichloroethane
Concen: 12.386 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

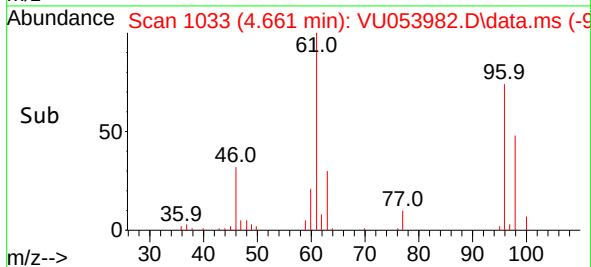
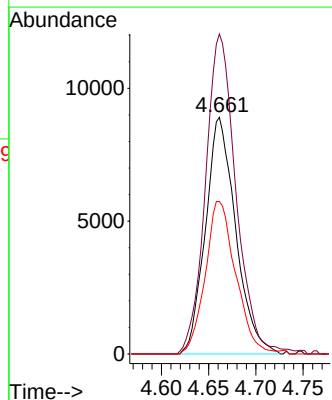
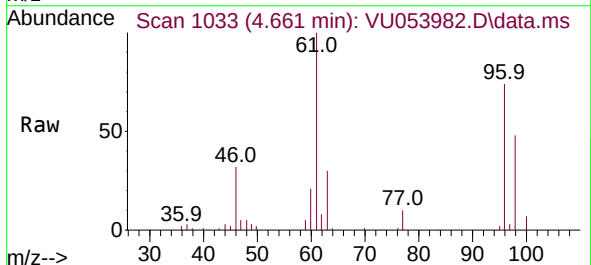
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

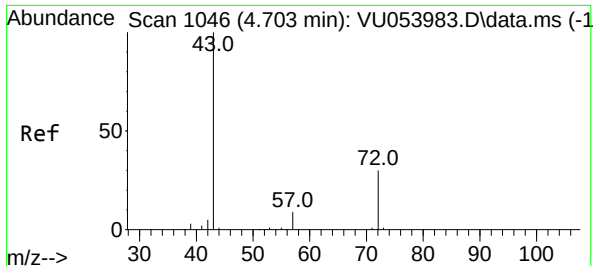
Tgt Ion: 63 Resp: 36425
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 14.3 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 10.098 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 96 Resp: 19857
Ion Ratio Lower Upper
96 100
61 135.2 90.9 168.9
98 64.4 45.7 84.9

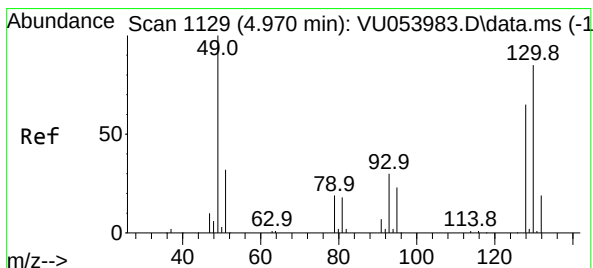
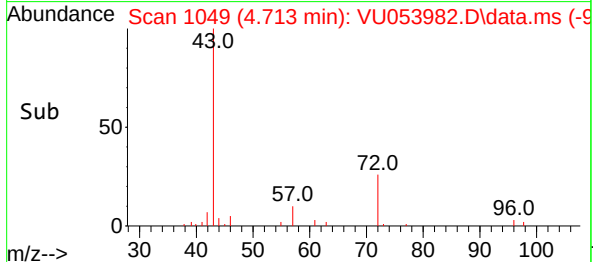
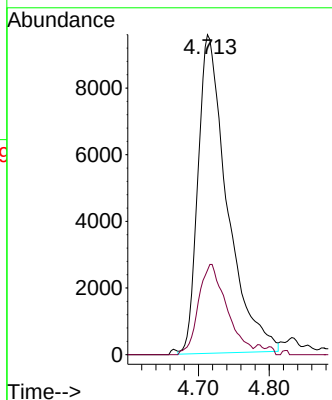
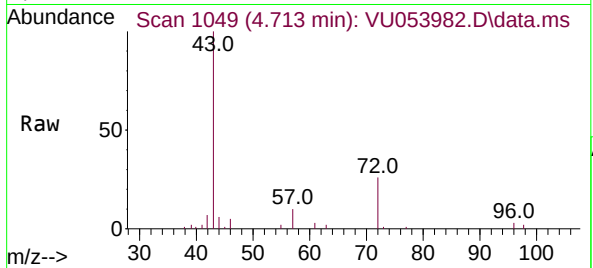




#22
2-Butanone
Concen: 24.277 ug/L
RT: 4.713 min Scan# 1046
Delta R.T. 0.010 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

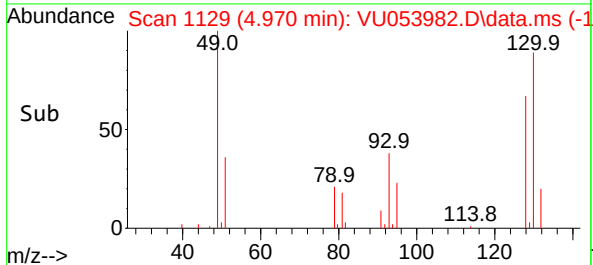
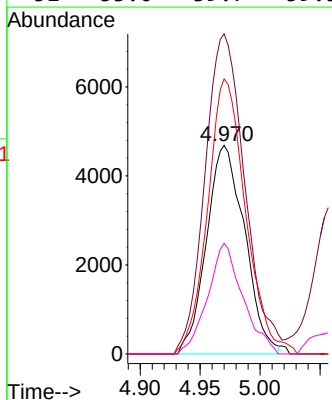
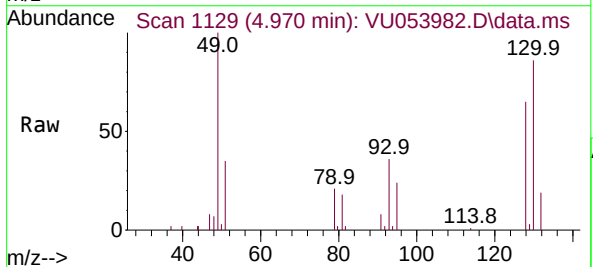
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

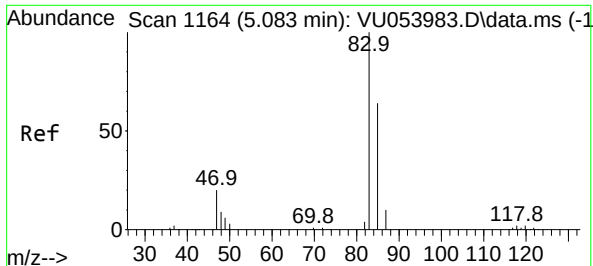
Tgt Ion: 43 Resp: 27309
Ion Ratio Lower Upper
43 100
72 27.5 14.0 41.9



#23
Bromochloromethane
Concen: 9.594 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 128 Resp: 10371
Ion Ratio Lower Upper
128 100
49 153.4 107.5 199.7
130 131.9 91.0 169.0
51 53.0 39.7 59.5





#25

Chloroform

Concen: 11.448 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

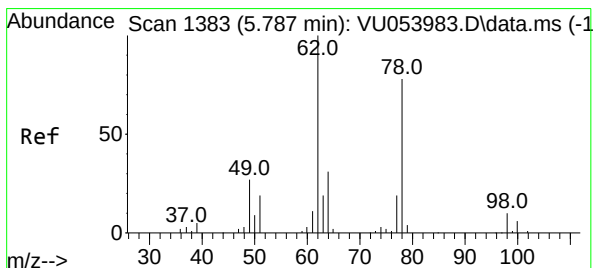
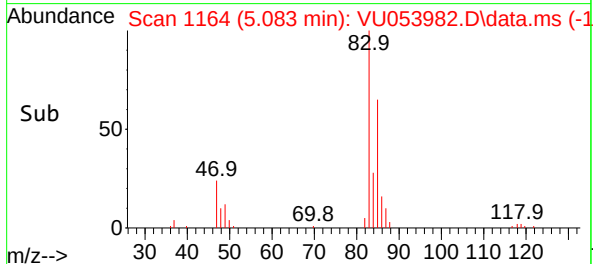
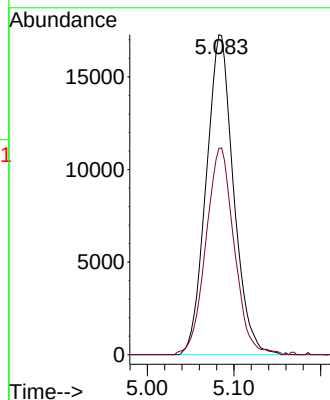
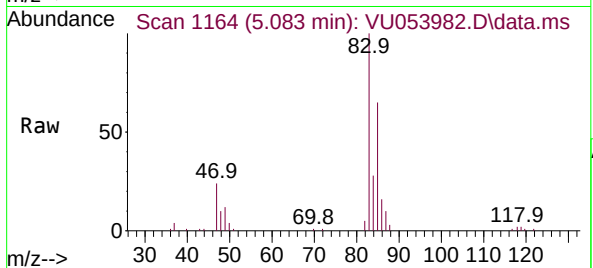
VSTD010018

Tgt Ion: 83 Resp: 37950

Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 11.711 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053982.D

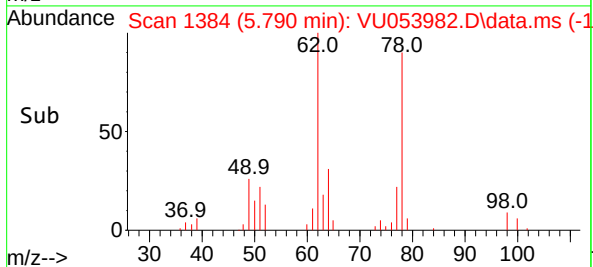
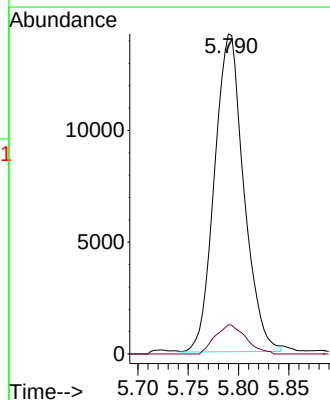
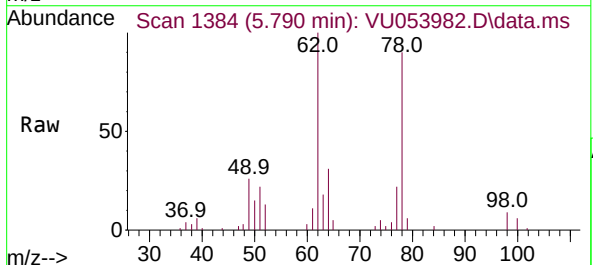
Acq: 29 Apr 2023 13:16

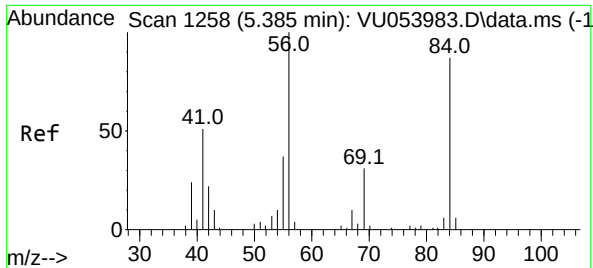
Tgt Ion: 62 Resp: 28855

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 10.750 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

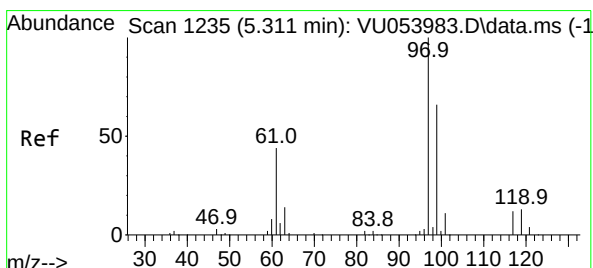
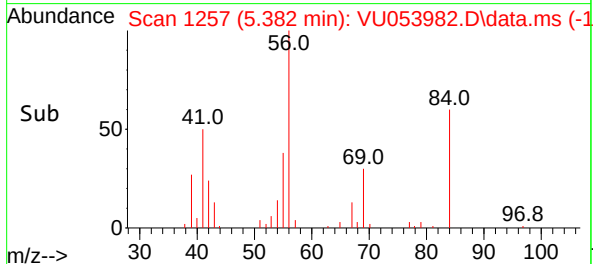
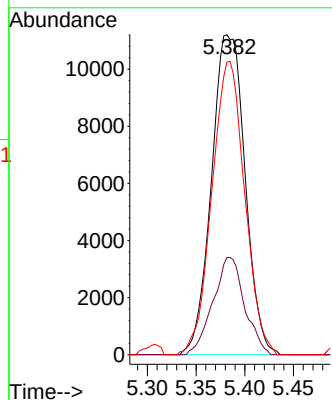
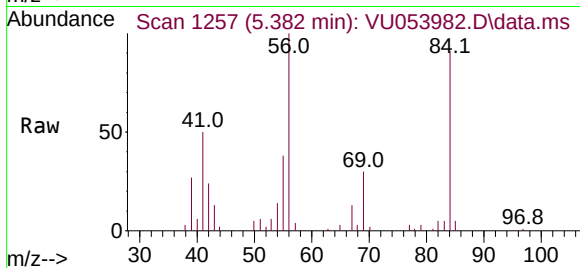
Tgt Ion: 56 Resp: 26868

Ion Ratio Lower Upper

56 100

69 28.6 25.8 38.6

84 89.5 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 11.066 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

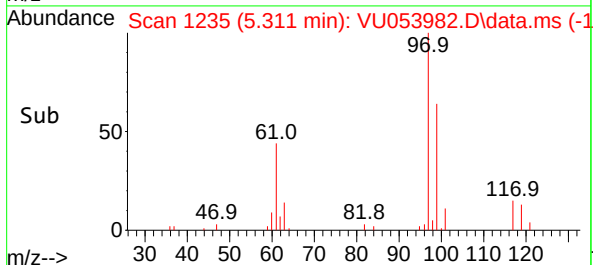
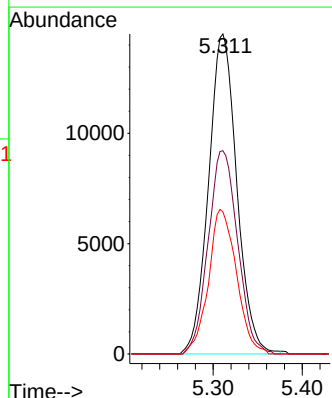
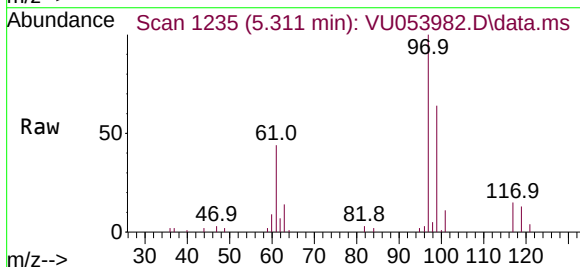
Tgt Ion: 97 Resp: 31996

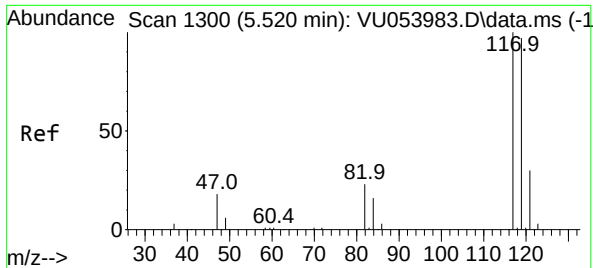
Ion Ratio Lower Upper

97 100

99 66.1 51.2 76.8

61 44.7 34.2 51.4

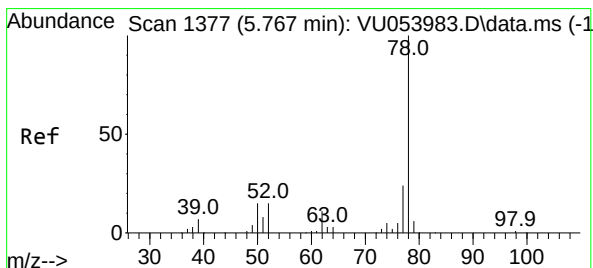
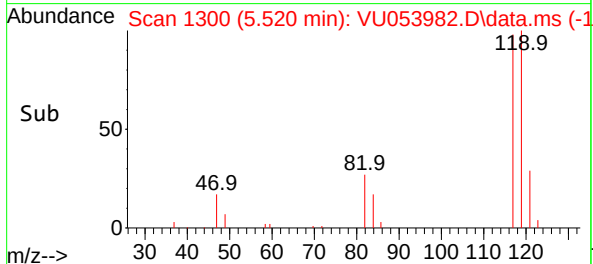
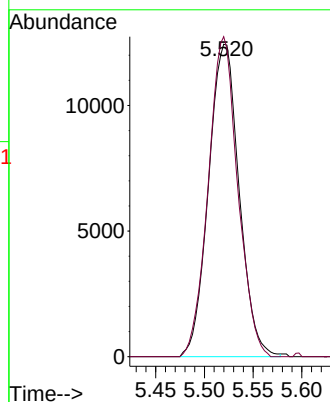
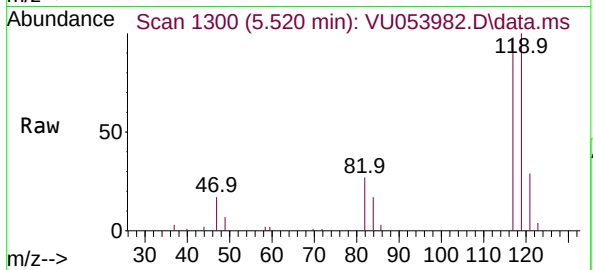




#31
Carbon tetrachloride
Concen: 10.568 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

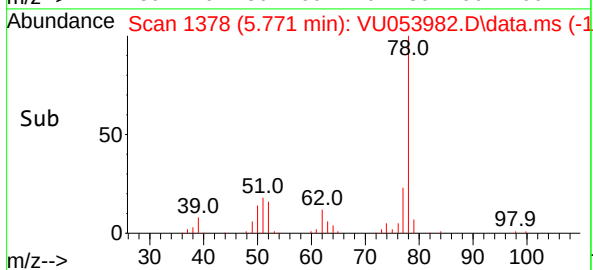
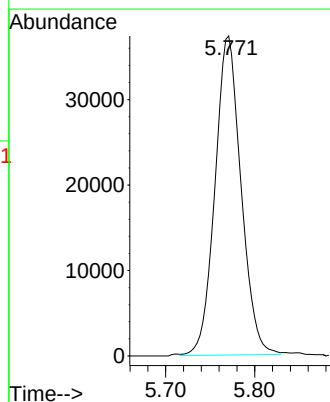
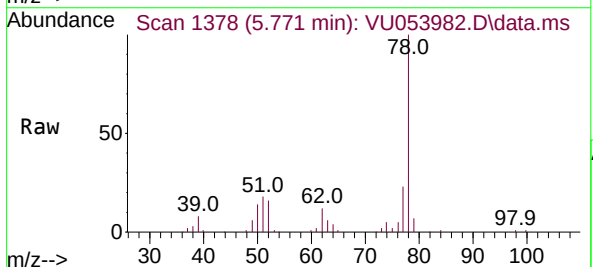
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

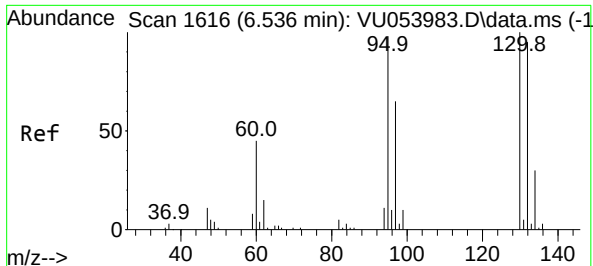
Tgt Ion:117 Resp: 27190
Ion Ratio Lower Upper
117 100
119 98.8 77.8 116.6



#33
Benzene
Concen: 11.062 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 78 Resp: 75748





#34

Trichloroethene

Concen: 10.161 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

Tgt Ion: 95 Resp: 20519

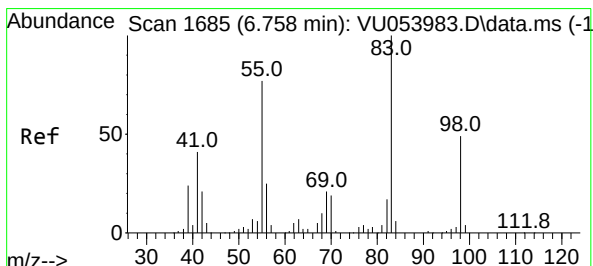
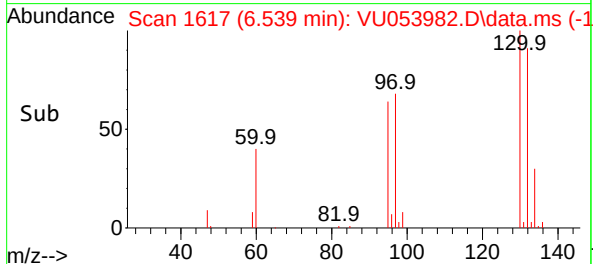
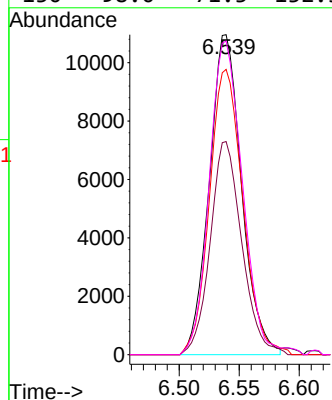
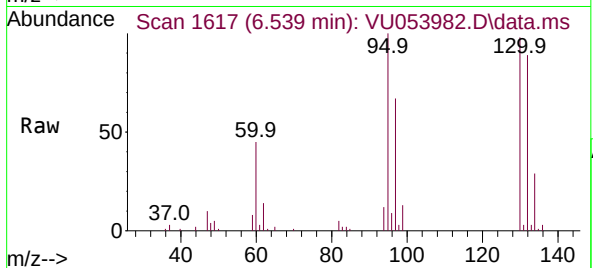
Ion Ratio Lower Upper

95 100

97 66.6 46.5 86.3

132 89.2 67.8 126.0

130 98.0 71.3 132.3



#35

Methylcyclohexane

Concen: 9.218 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

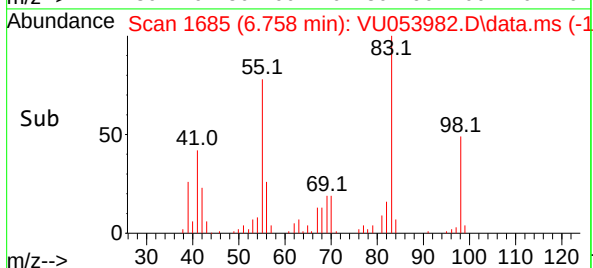
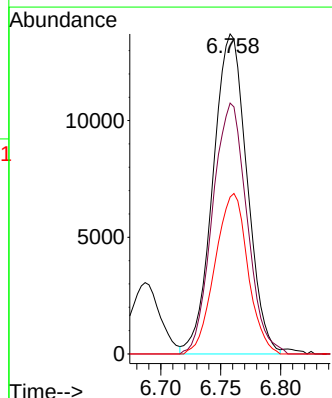
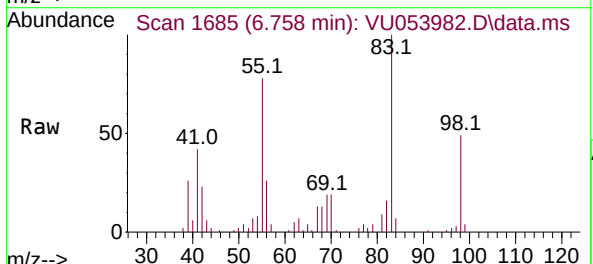
Tgt Ion: 83 Resp: 27078

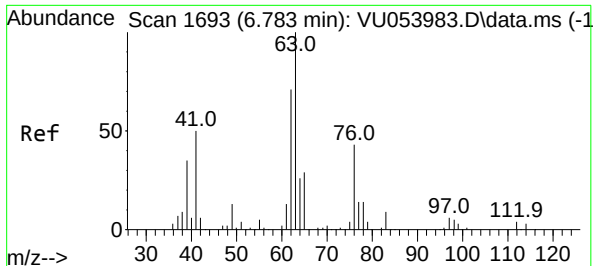
Ion Ratio Lower Upper

83 100

55 79.1 61.8 92.6

98 48.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 12.560 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

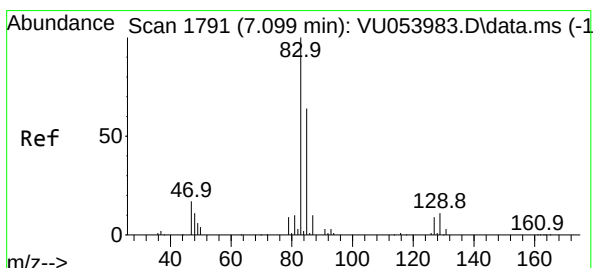
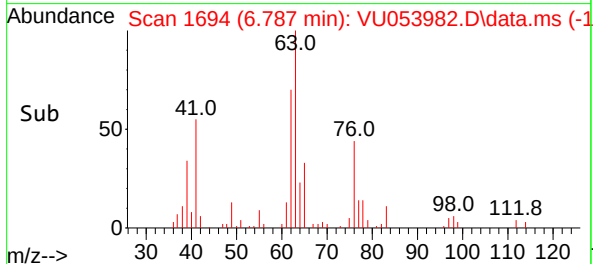
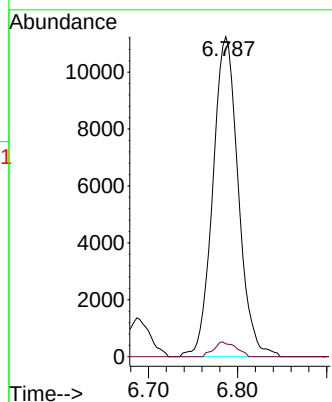
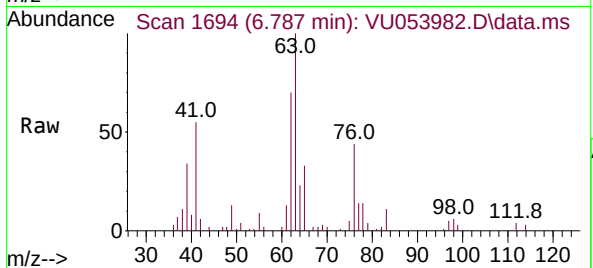
VSTD010018

Tgt Ion: 63 Resp: 22308

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 11.238 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

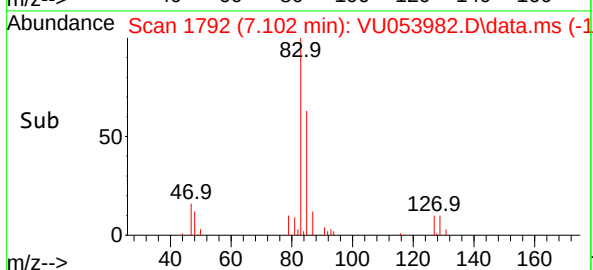
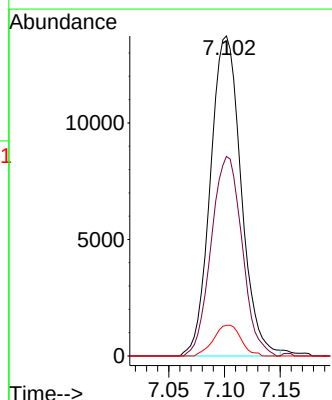
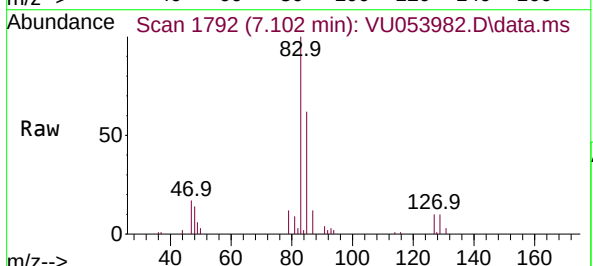
Tgt Ion: 83 Resp: 26321

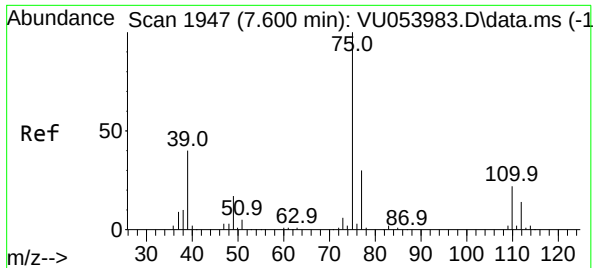
Ion Ratio Lower Upper

83 100

85 62.3 45.0 83.6

127 10.3 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 11.028 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

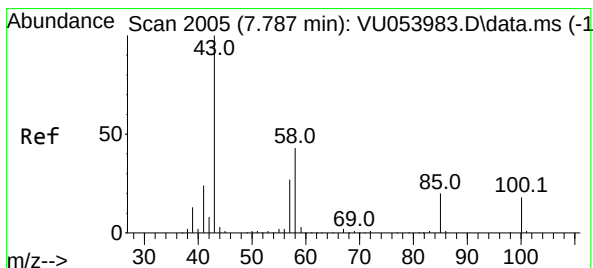
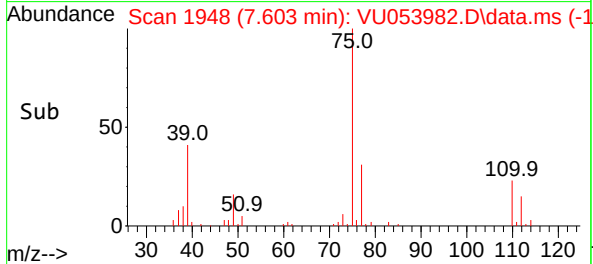
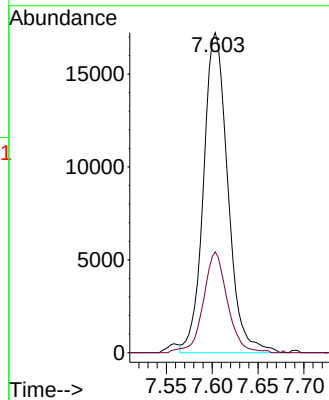
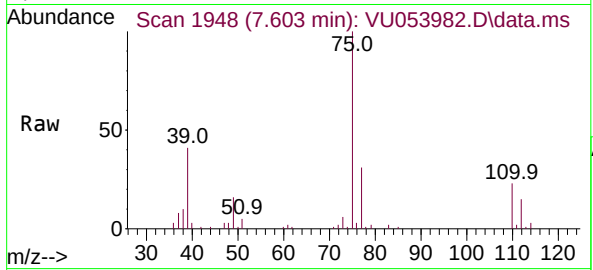
VSTD010018

Tgt Ion: 75 Resp: 31859

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 24.719 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

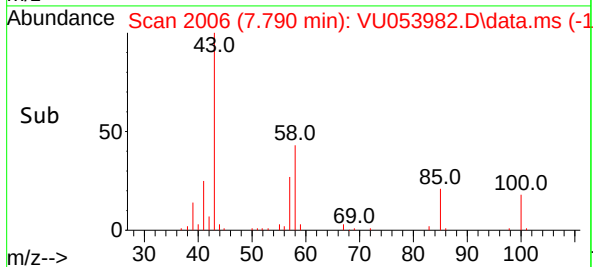
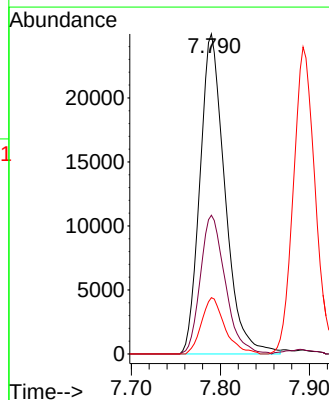
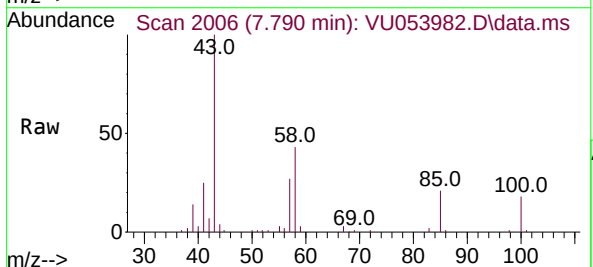
Tgt Ion: 43 Resp: 48787

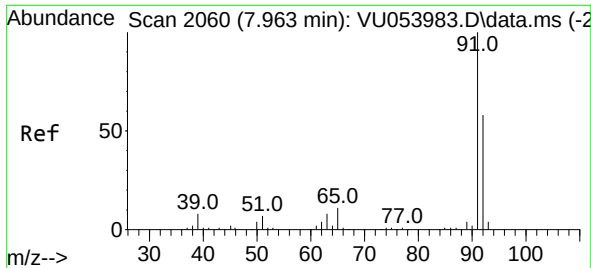
Ion Ratio Lower Upper

43 100

58 43.0 34.5 51.7

100 16.4 13.8 20.6





#42

Toluene

Concen: 9.957 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

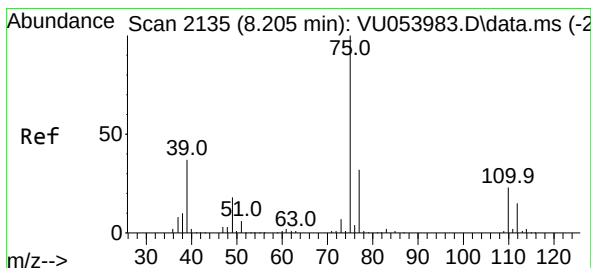
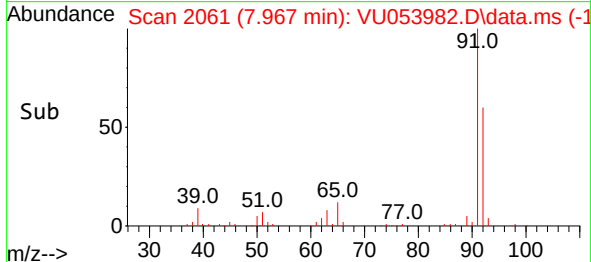
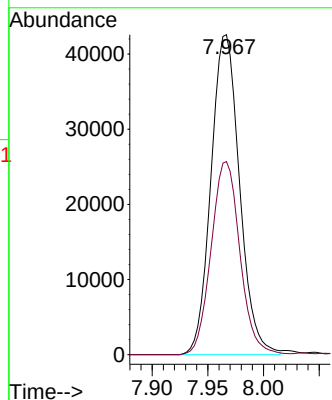
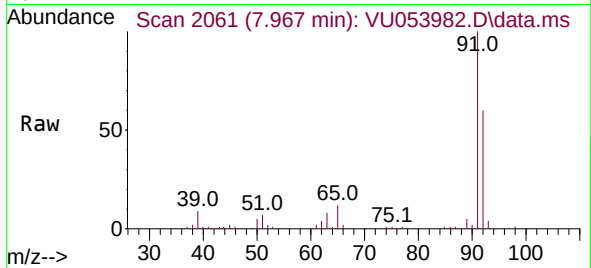
VSTD010018

Tgt Ion: 91 Resp: 75994

Ion Ratio Lower Upper

91 100

92 60.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 11.427 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053982.D

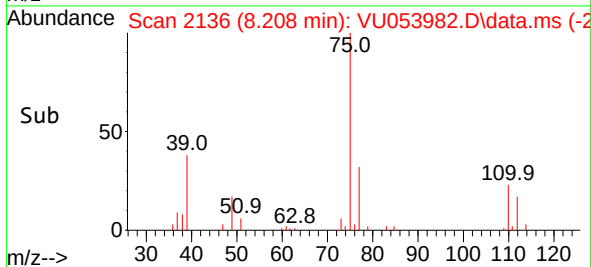
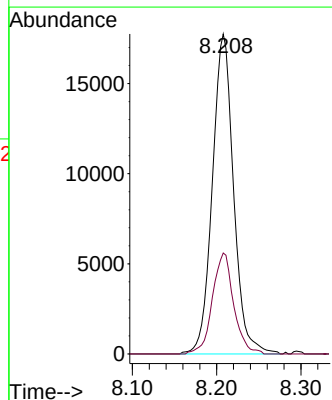
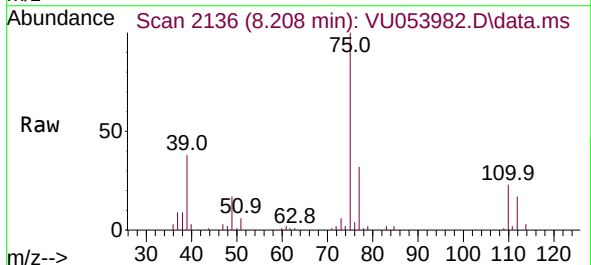
Acq: 29 Apr 2023 13:16

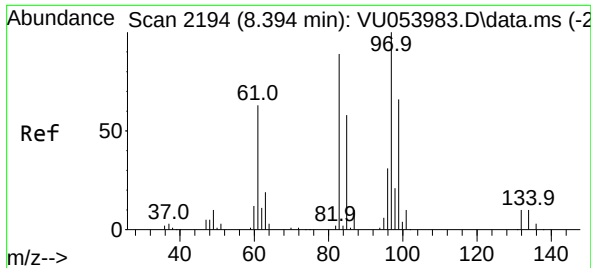
Tgt Ion: 75 Resp: 31057

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

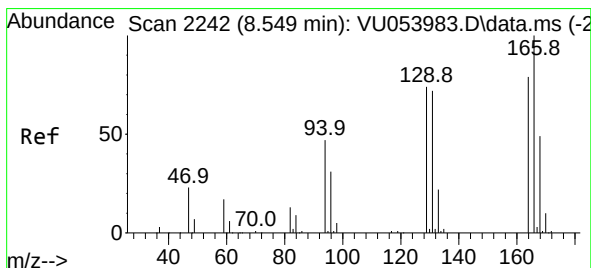
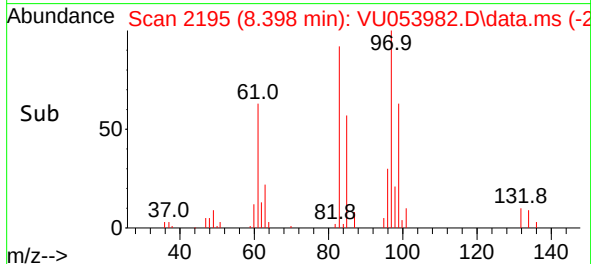
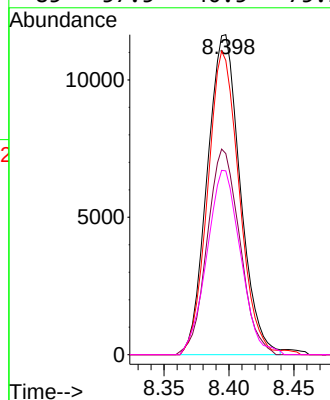
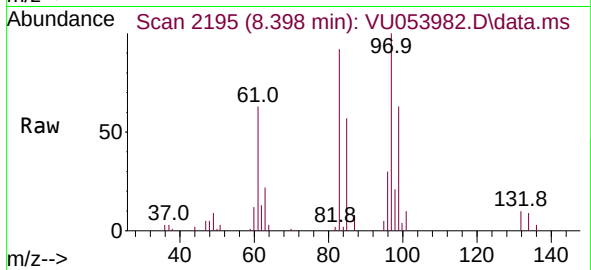




#45
1,1,2-Trichloroethane
Concen: 10.826 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

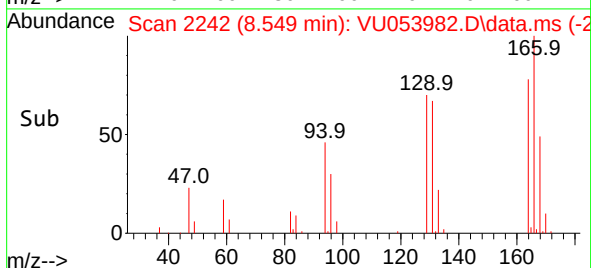
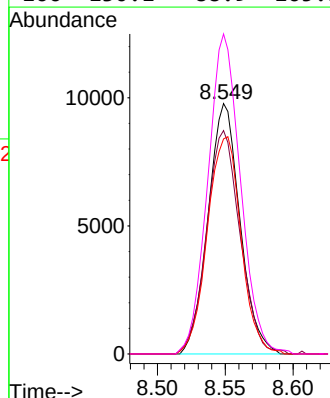
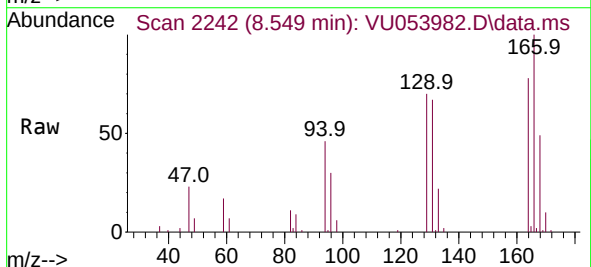
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

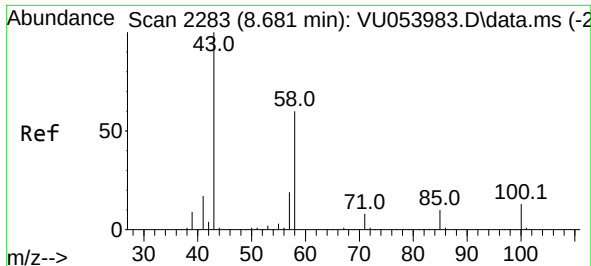
Tgt Ion:	97	Resp:	20520
Ion	Ratio	Lower	Upper
97	100		
99	62.9	46.2	85.8
83	92.0	62.7	116.5
85	57.5	40.5	75.1



#46
Tetrachloroethene
Concen: 9.713 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion:	164	Resp:	16036
Ion	Ratio	Lower	Upper
164	100		
129	89.2	65.6	121.8
131	85.9	63.8	118.4
166	130.1	88.9	165.1

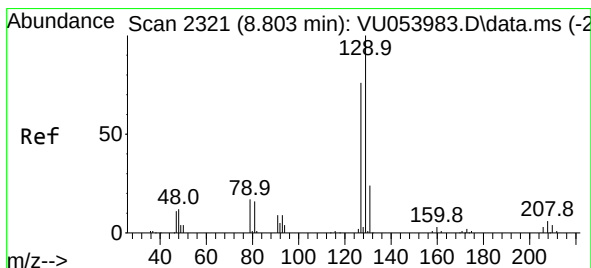
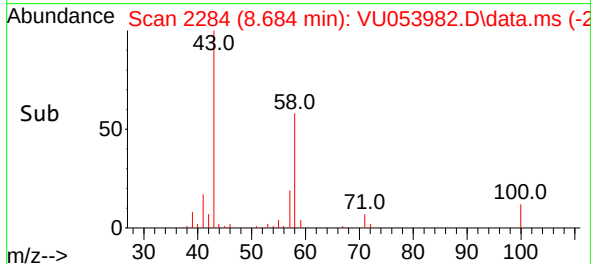
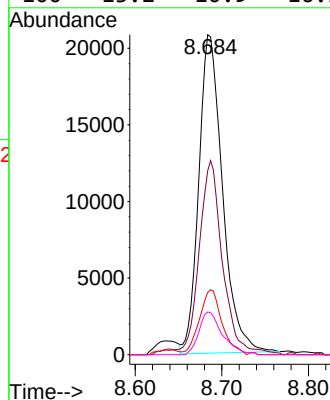
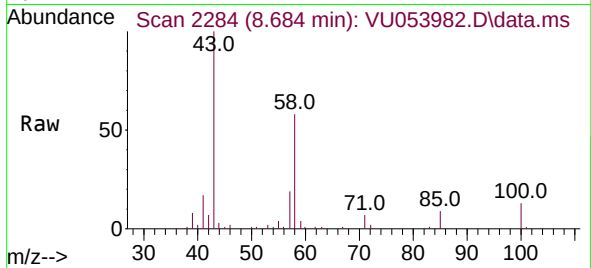




#48
2-Hexanone
Concen: 24.855 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

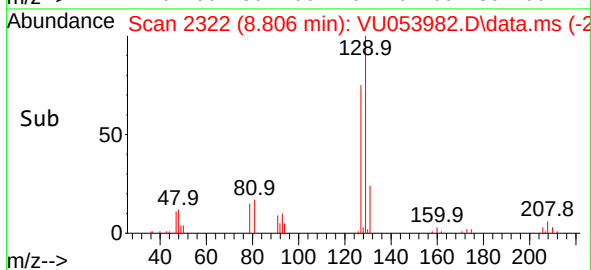
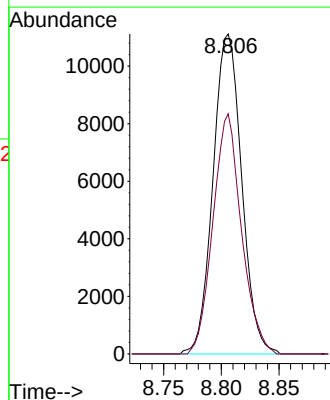
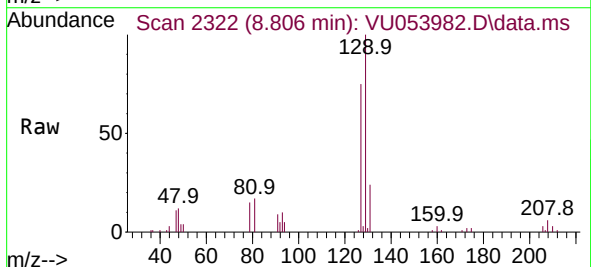
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

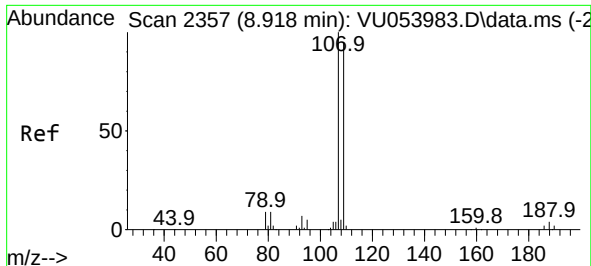
Tgt Ion: 43	Resp: 39661
Ion Ratio	Lower Upper
43	100
58	59.7 48.5 72.7
57	19.3 16.5 24.7
100	13.2 10.9 16.3



#49
Dibromochloromethane
Concen: 9.863 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 129	Resp: 19209
Ion Ratio	Lower Upper
129	100
127	75.0 52.9 98.3





#50

1,2-Dibromoethane

Concen: 9.983 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

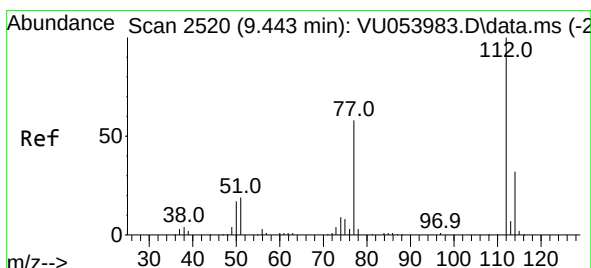
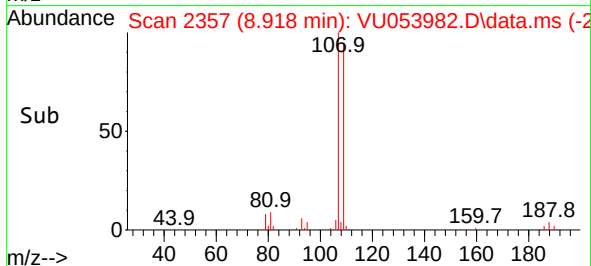
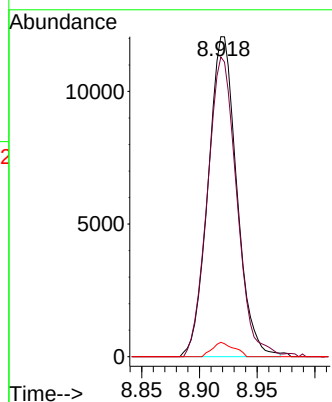
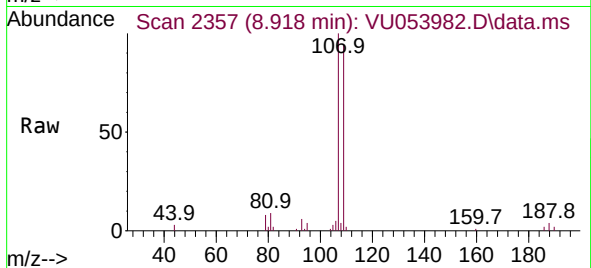
Tgt Ion:107 Resp: 20831

Ion Ratio Lower Upper

107 100

109 93.7 66.1 122.8

188 4.5 3.1 4.7



#51

Chlorobenzene

Concen: 10.192 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

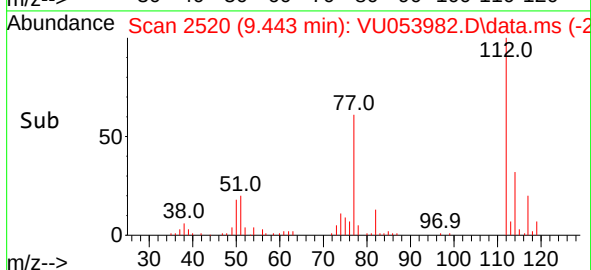
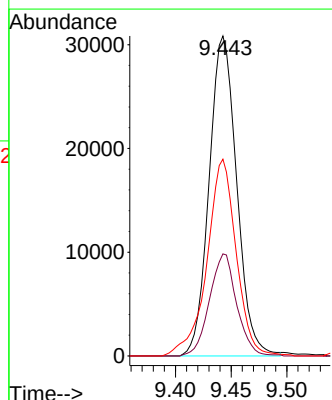
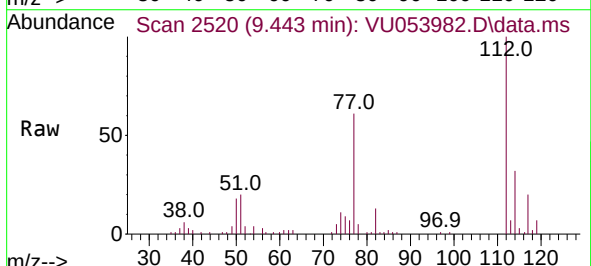
Tgt Ion:112 Resp: 53188

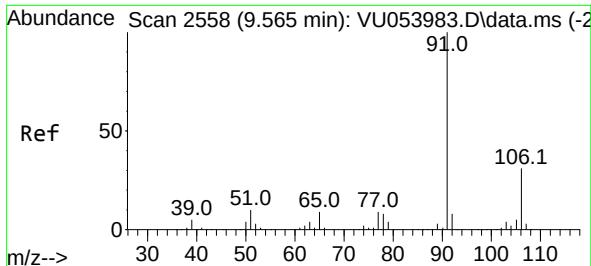
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 61.5 47.0 70.4

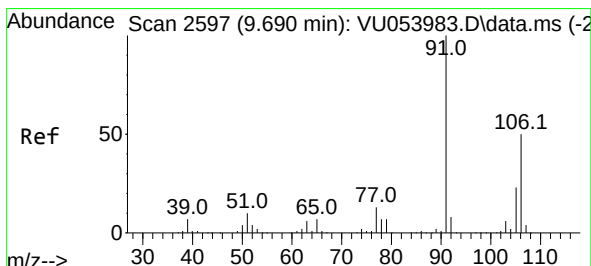
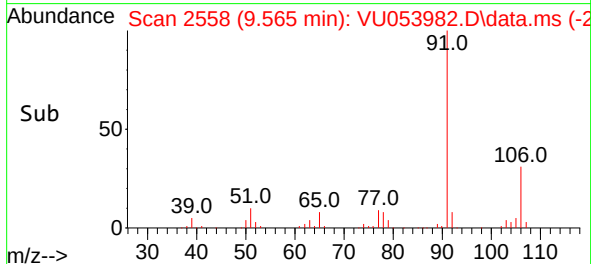
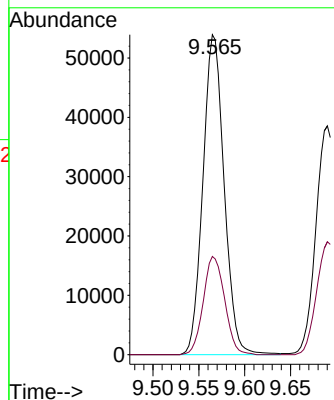
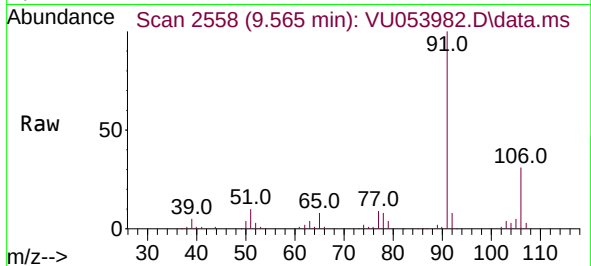




#52
Ethylbenzene
Concen: 10.221 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

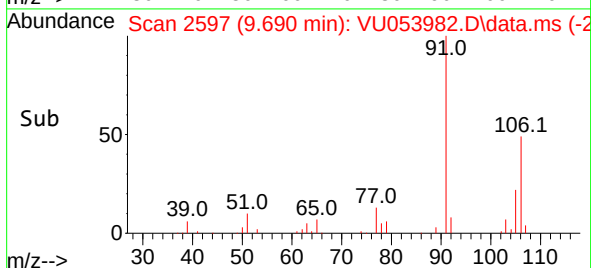
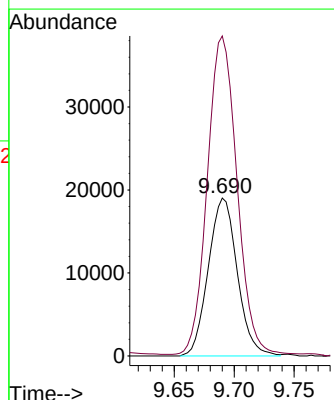
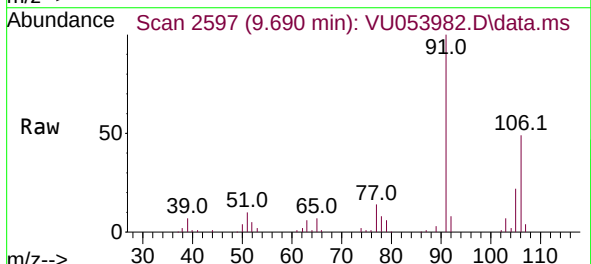
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

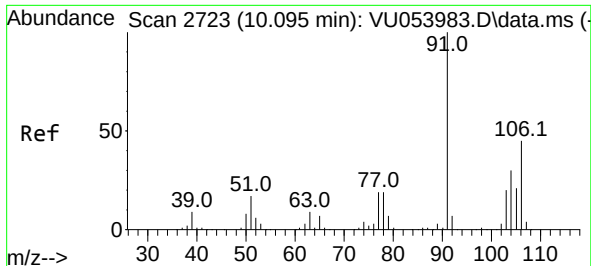
Tgt Ion: 91 Resp: 86822
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 9.691 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion: 106 Resp: 31985
Ion Ratio Lower Upper
106 100
91 202.6 140.5 260.9

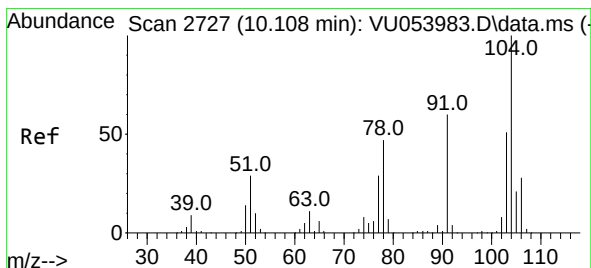
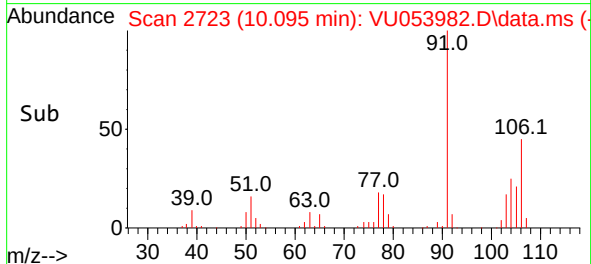
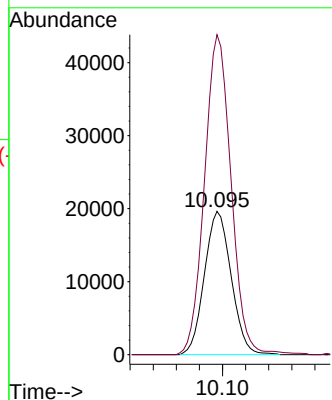
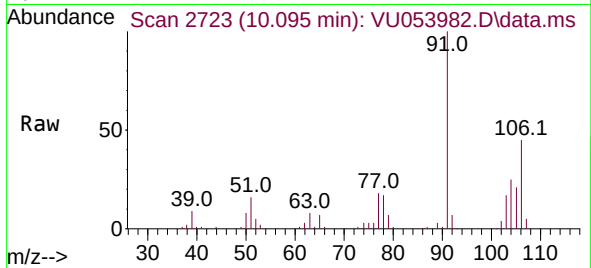




#54
o-Xylene
Concen: 9.696 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

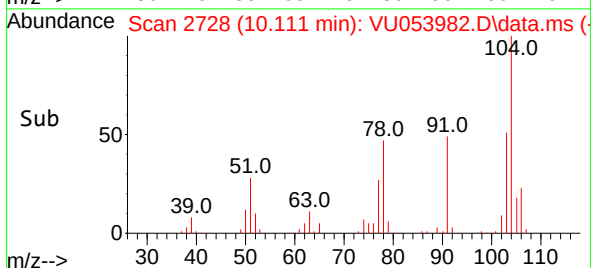
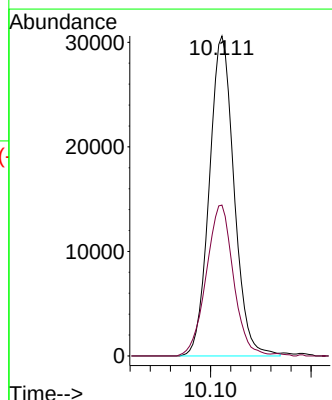
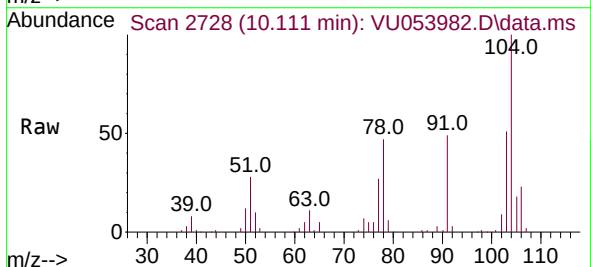
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

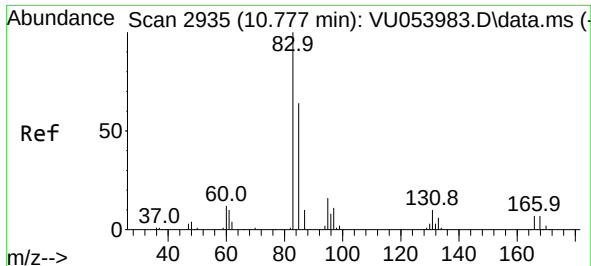
Tgt Ion:106 Resp: 31566
Ion Ratio Lower Upper
106 100
91 223.3 154.9 287.7



#55
Styrene
Concen: 9.759 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion:104 Resp: 52431
Ion Ratio Lower Upper
104 100
78 47.2 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 11.953 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

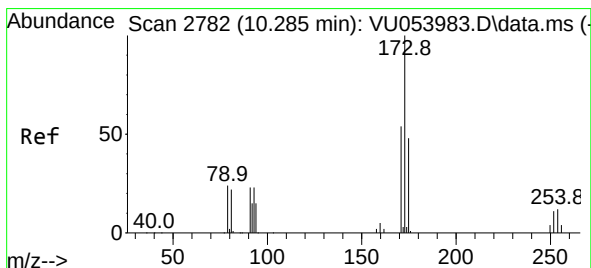
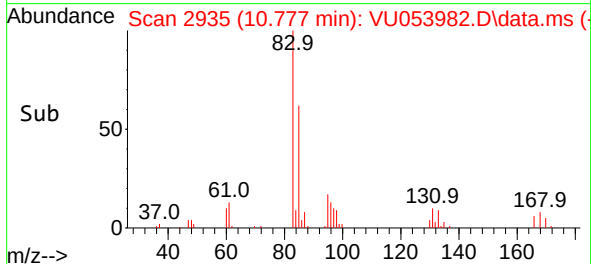
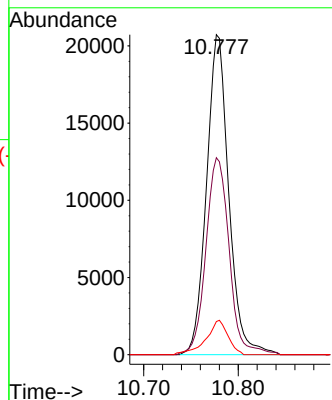
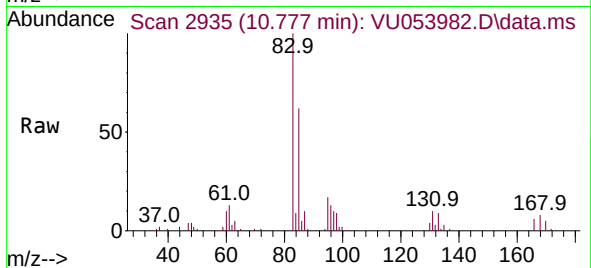
Tgt Ion: 83 Resp: 33897

Ion Ratio Lower Upper

83 100

85 61.5 45.1 83.9

131 10.4 8.2 12.2



#59

Bromoform

Concen: 10.482 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

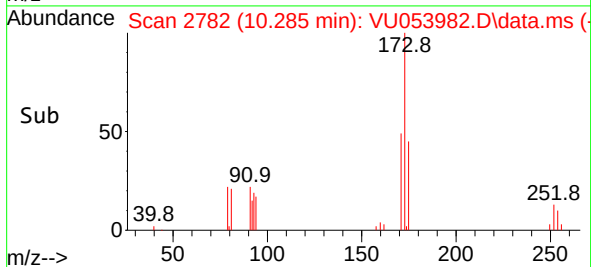
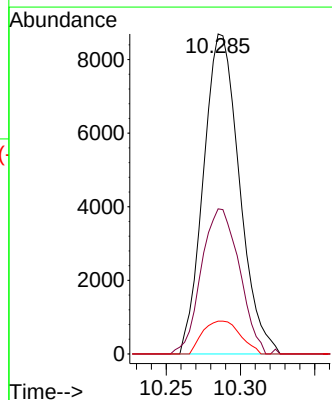
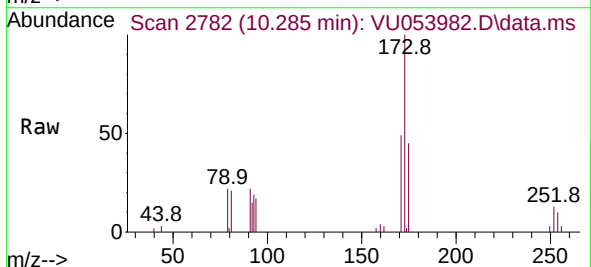
Tgt Ion:173 Resp: 14614

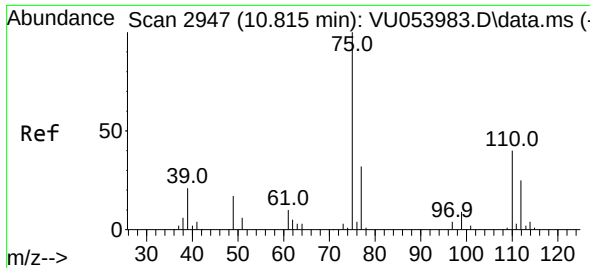
Ion Ratio Lower Upper

173 100

175 47.9 38.9 58.3

254 10.7 8.5 12.7

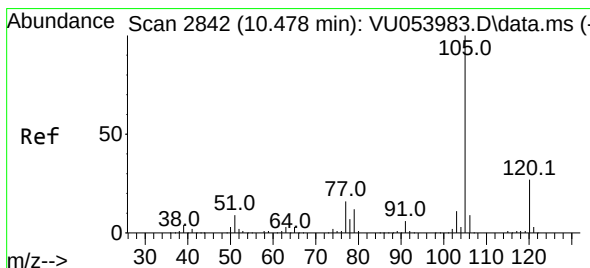
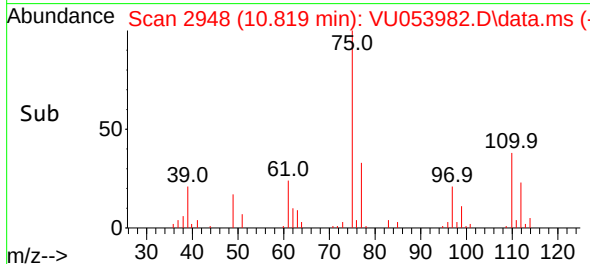
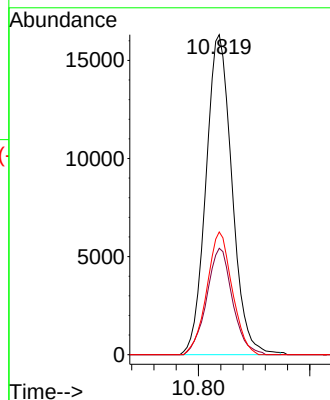
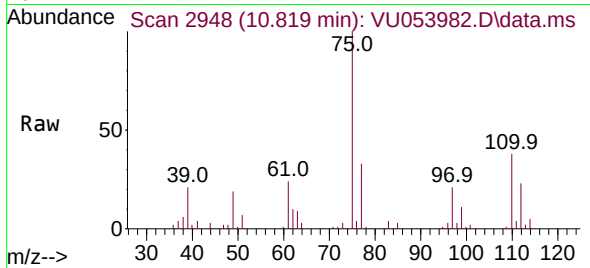




#60
1,2,3-Trichloropropane
Concen: 12.977 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

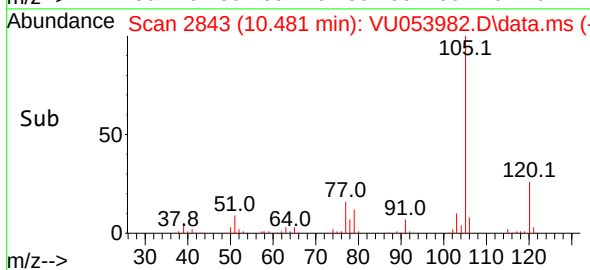
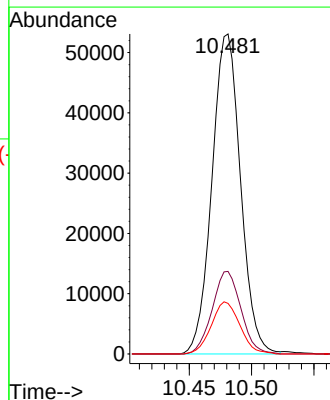
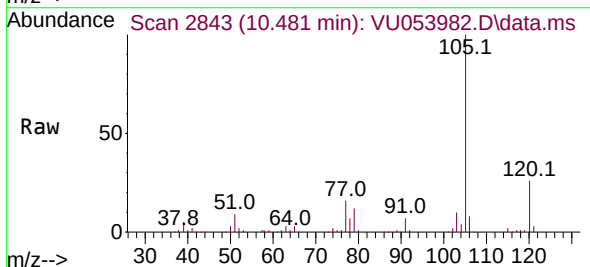
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

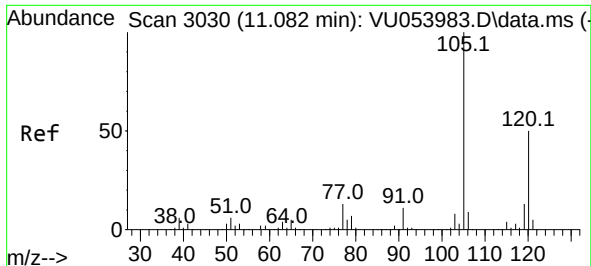
Tgt Ion:	75	Resp:	26456
Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.0	39.0
110	37.4	31.8	47.8



#61
Isopropylbenzene
Concen: 10.547 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion:	105	Resp:	84712
Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.3	31.9
77	16.3	12.7	19.1





#62

1,3,5-Trimethylbenzene

Concen: 10.018 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

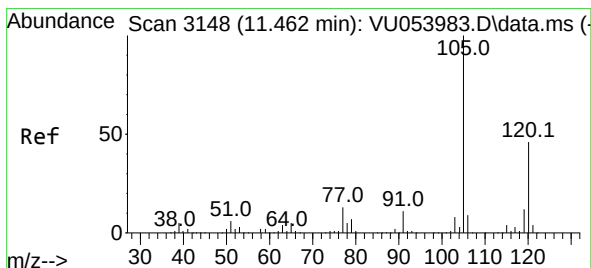
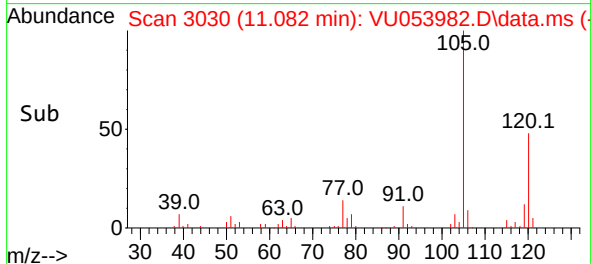
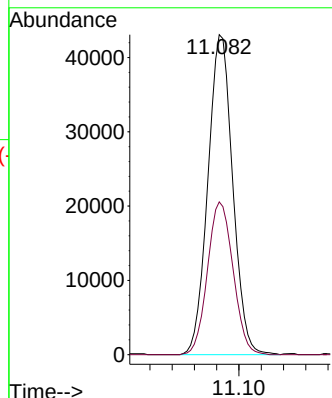
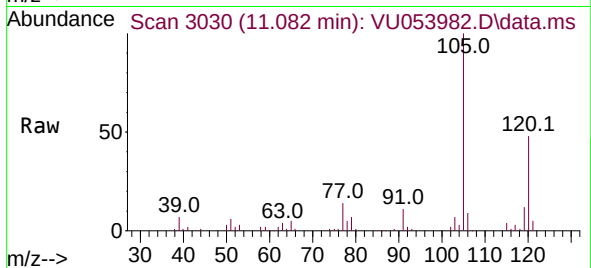
VSTD010018

Tgt Ion:105 Resp: 66715

Ion Ratio Lower Upper

105 100

120 49.2 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 9.918 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053982.D

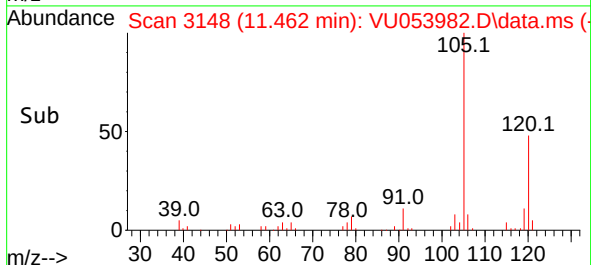
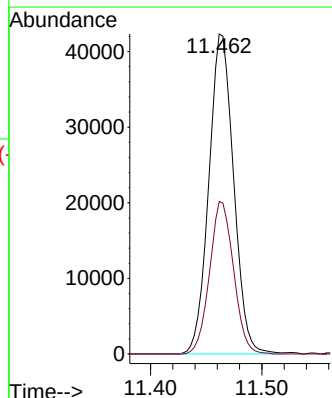
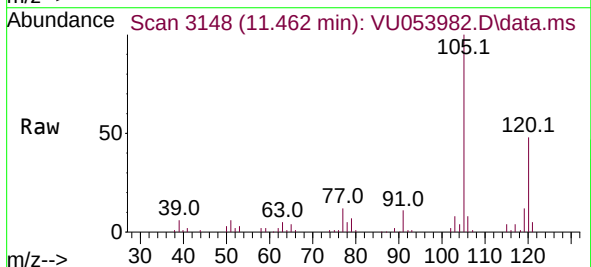
Acq: 29 Apr 2023 13:16

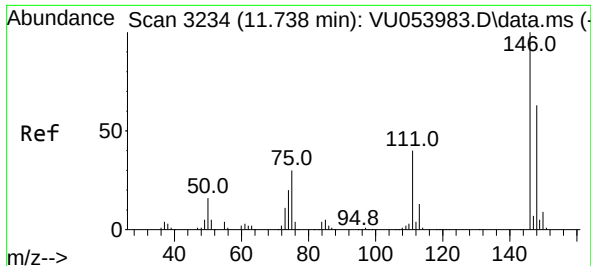
Tgt Ion:105 Resp: 65466

Ion Ratio Lower Upper

105 100

120 46.0 36.5 54.7

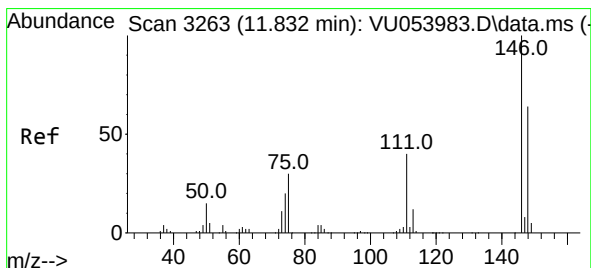
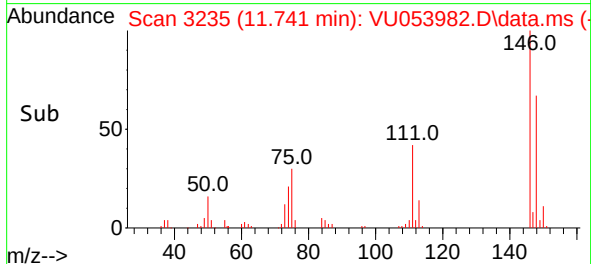
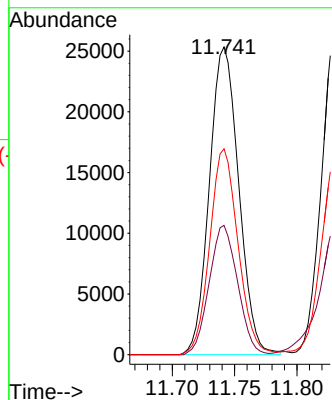
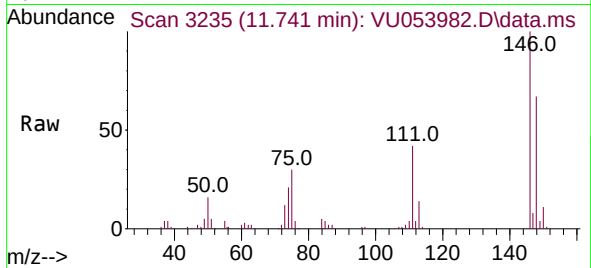




#64
1,3-Dichlorobenzene
Concen: 10.030 ug/L
RT: 11.741 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

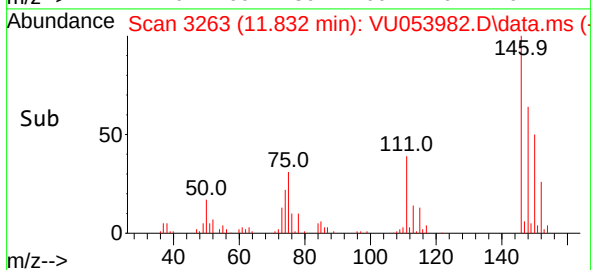
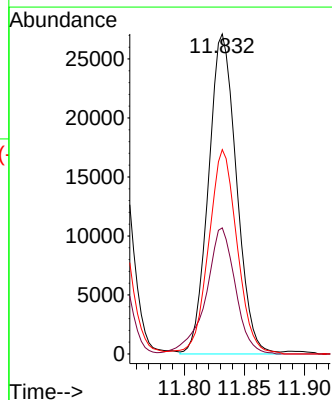
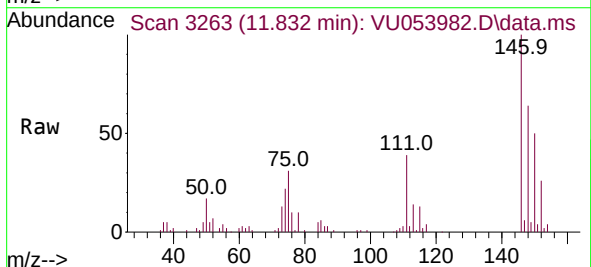
Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

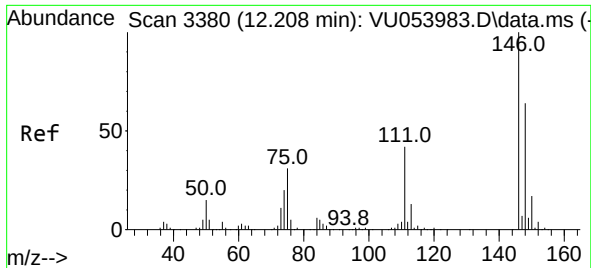
Tgt Ion:146 Resp: 41552
Ion Ratio Lower Upper
146 100
111 42.0 27.9 51.7
148 66.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 10.403 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion:146 Resp: 44036
Ion Ratio Lower Upper
146 100
111 39.4 27.9 51.7
148 63.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 10.329 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD010018

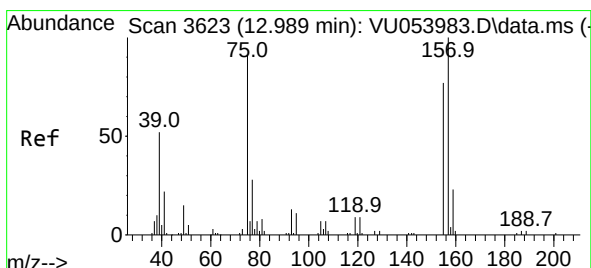
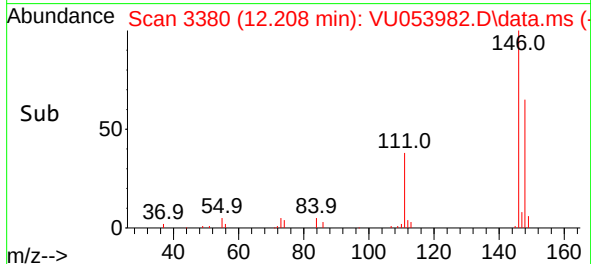
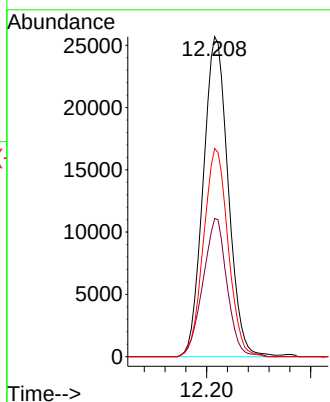
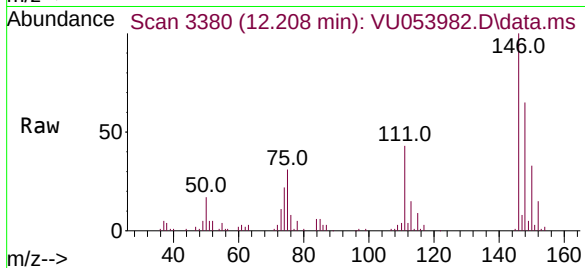
Tgt Ion:146 Resp: 42769

Ion Ratio Lower Upper

146 100

111 43.2 33.4 50.0

148 65.1 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 11.320 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053982.D

Acq: 29 Apr 2023 13:16

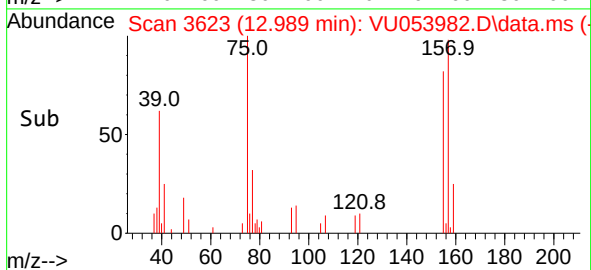
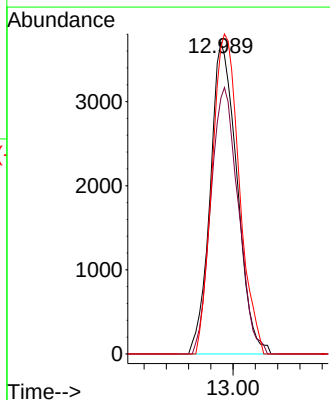
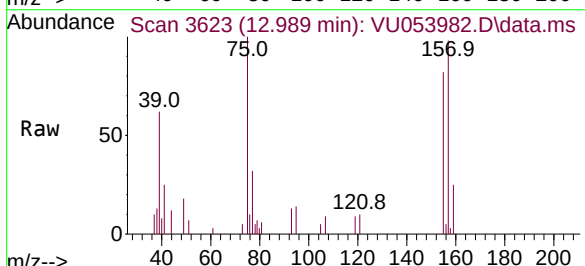
Tgt Ion: 75 Resp: 6177

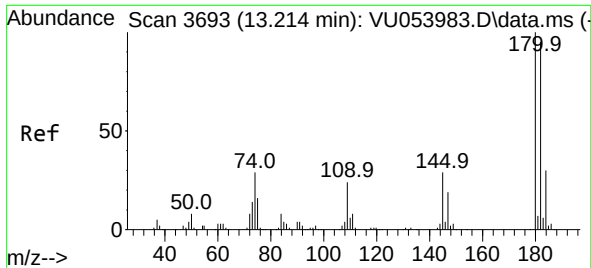
Ion Ratio Lower Upper

75 100

155 82.1 67.8 101.6

157 101.5 88.3 132.5

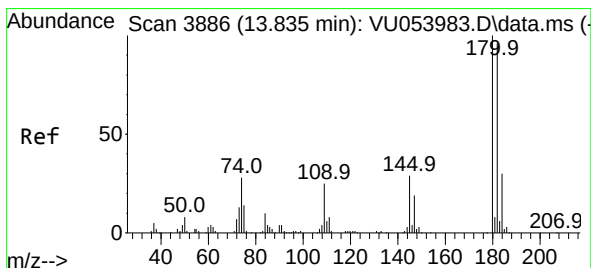
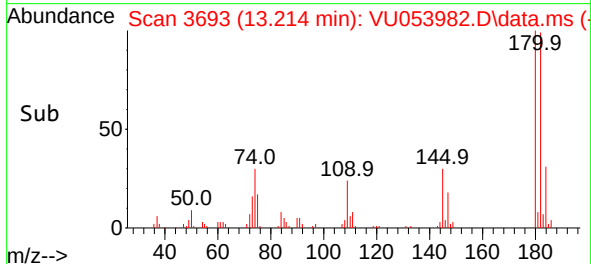
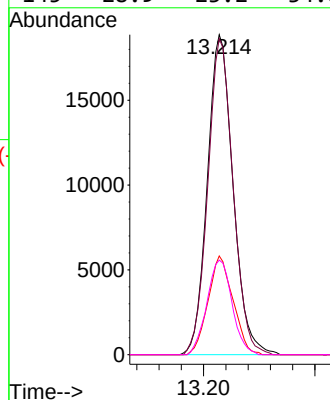
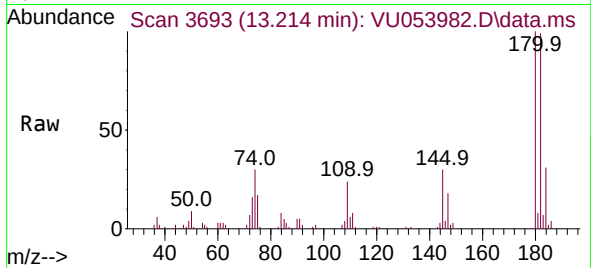




#69
 1,3,5-Trichlorobenzene
 Concen: 9.887 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053982.D
 Acq: 29 Apr 2023 13:16

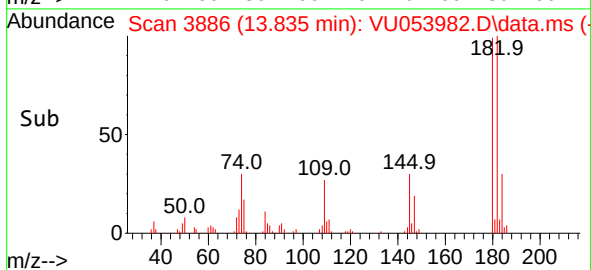
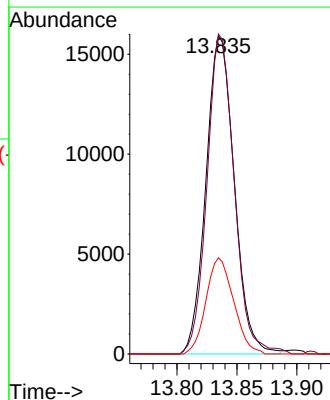
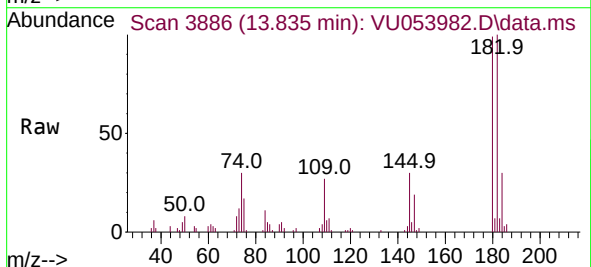
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010018

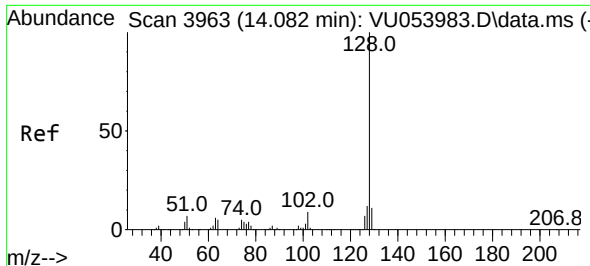
Tgt Ion:	180	Resp:	30220
Ion Ratio	Lower	Upper	
180	100		
182	96.8	76.0	114.0
184	29.9	24.2	36.2
145	28.9	23.2	34.8



#70
 1,2,4-trichlorobenzene
 Concen: 9.220 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053982.D
 Acq: 29 Apr 2023 13:16

Tgt Ion:	180	Resp:	26103
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.4	116.2
145	29.4	23.8	35.8

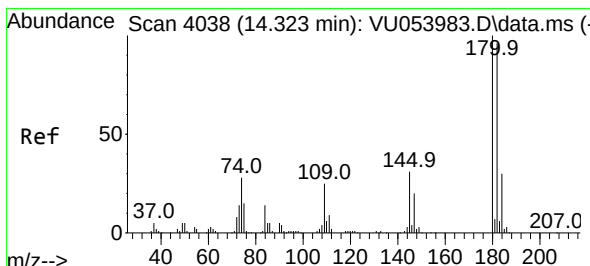
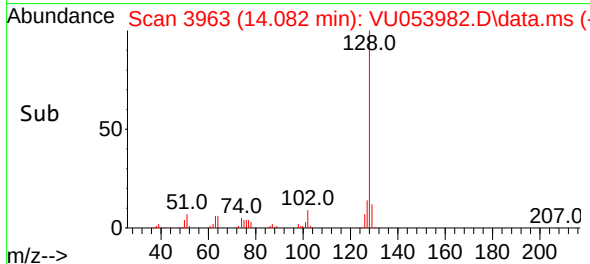
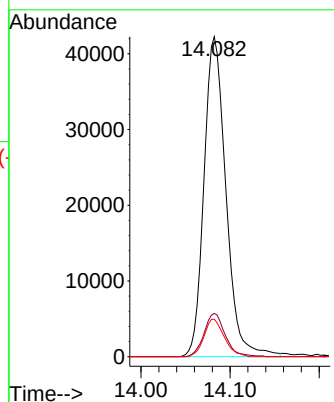
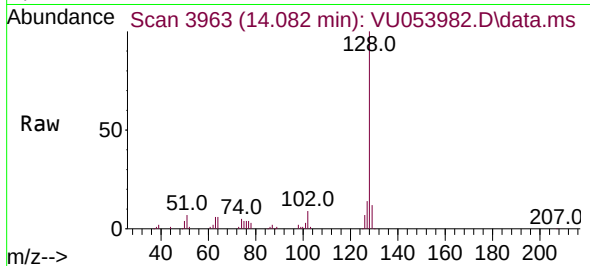




#71
Naphthalene
Concen: 8.576 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD010018

Tgt Ion:128	Resp:	72388
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.0 15.0
129	10.8	8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 9.231 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053982.D
Acq: 29 Apr 2023 13:16

Tgt Ion:180	Resp:	26125
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.6 114.8
145	30.7	24.9 37.3

