

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053981.D
 Acq On : 29 Apr 2023 12:53
 Operator : JC/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005017

Quant Time: May 01 01:51:25 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	6.247	114	291173	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	265792	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	132815	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	10763	4.799	ug/L	0.00
7) Chloroethane-d5	1.912	69	7424	4.398	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	19529	5.472	ug/L	0.00
21) 2-Butanone-d5	4.639	46	10723	10.010	ug/L	0.01
24) Chloroform-d	5.060	84	20264	5.342	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	13250	5.825	ug/L	0.00
32) Benzene-d6	5.726	84	39546	5.428	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	12096	5.375	ug/L	0.00
41) Toluene-d8	7.896	98	34114	4.775	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	5646	4.867	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	7657	9.855	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	15909	5.109	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	13027	4.726	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	10866	4.728	ug/L	100
3) Chloromethane	1.520	50	9990	5.197	ug/L	98
5) Vinyl chloride	1.604	62	10136	4.597	ug/L	91
6) Bromomethane	1.858	94	6005	3.913	ug/L	92
8) Chloroethane	1.935	64	6260	4.790	ug/L	89
9) Trichlorofluoromethane	2.137	101	17063	5.037	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	9868	4.982	ug/L	96
12) 1,1-Dichloroethene	2.578	96	8477	4.805	ug/L	90
13) Acetone	2.636	43	13902	14.058	ug/L	95
14) Carbon disulfide	2.793	76	17980	3.990	ug/L	96
15) Methyl Acetate	2.954	43	8849	5.882	ug/L #	71
16) Methylene chloride	3.047	84	11574	5.731	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	8513	4.808	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	31001	5.716	ug/L	99
19) 1,1-Dichloroethane	3.867	63	18600	6.000	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	10763	5.192	ug/L	85
22) 2-Butanone	4.713	43	14095	11.886	ug/L	97
23) Bromochloromethane	4.967	128	5673	4.978	ug/L #	81
25) Chloroform	5.086	83	19643	5.621	ug/L	95
27) 1,2-Dichloroethane	5.793	62	15519	5.975	ug/L	96
29) Cyclohexane	5.385	56	13526	5.233	ug/L	94
30) 1,1,1-Trichloroethane	5.311	97	17296	5.784	ug/L	99
31) Carbon tetrachloride	5.523	117	14165	5.323	ug/L	99
33) Benzene	5.771	78	39463	5.572	ug/L	100
34) Trichloroethene	6.539	95	10113	4.842	ug/L	92
35) Methylcyclohexane	6.761	83	14357	4.726	ug/L	96
37) 1,2-Dichloropropane	6.787	63	11223	6.110	ug/L	98
38) Bromodichloromethane	7.102	83	13762	5.681	ug/L	95
39) cis-1,3-Dichloropropene	7.607	75	16767	5.612	ug/L	94
40) 4-Methyl-2-pentanone	7.790	43	23785	11.652	ug/L	98
42) Toluene	7.967	91	40879	5.179	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	15474	5.505	ug/L	98

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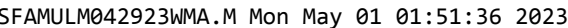
Quant Time: May 01 01:51:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

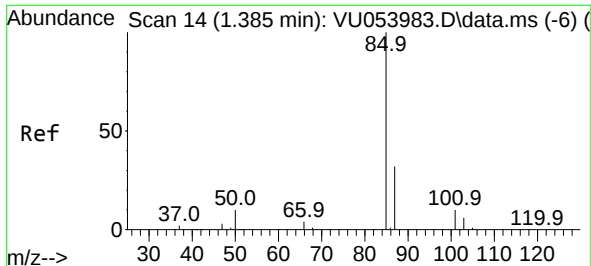
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.398	97	11113	5.669	ug/L	98
46) Tetrachloroethene	8.552	164	9014	5.279	ug/L	95
48) 2-Hexanone	8.684	43	17958	10.881	ug/L	99
49) Dibromochloromethane	8.806	129	10167	5.047	ug/L	100
50) 1,2-Dibromoethane	8.919	107	10508	4.869	ug/L #	98
51) Chlorobenzene	9.446	112	27541	5.103	ug/L	98
52) Ethylbenzene	9.568	91	44314	5.044	ug/L	98
53) m,p-Xylene	9.693	106	16742	4.905	ug/L	97
54) o-Xylene	10.095	106	15957	4.739	ug/L	99
55) Styrene	10.111	104	26369	4.746	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	16520	5.633	ug/L	98
59) Bromoform	10.288	173	7164	5.183	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	13329	6.595	ug/L	96
61) Isopropylbenzene	10.481	105	41747	5.243	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	33011	5.000	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	31969	4.886	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	21825	5.314	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	21609	5.149	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	21537	5.247	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	2762	5.106	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	14256	4.705	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	12347	4.399	ug/L	100
71) Naphthalene	14.086	128	32127	3.839	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	12047	4.294	ug/L	96

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

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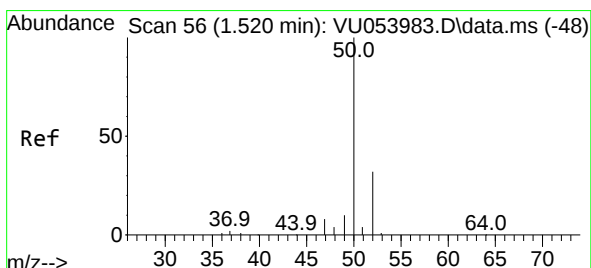
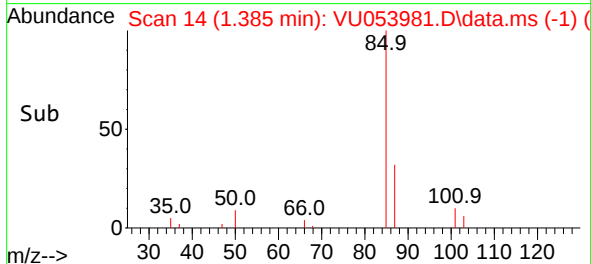
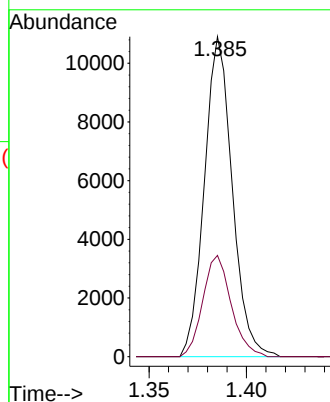
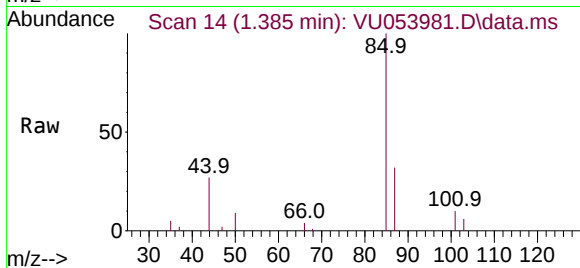




#2
Dichlorodifluoromethane
Concen: 4.728 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

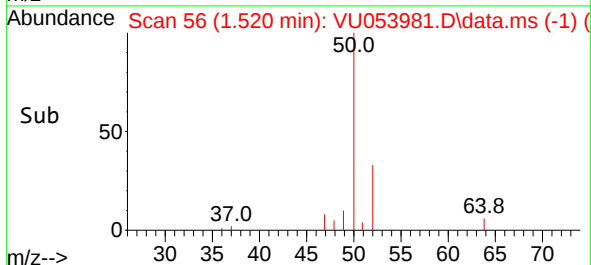
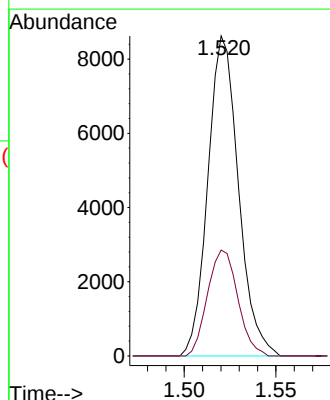
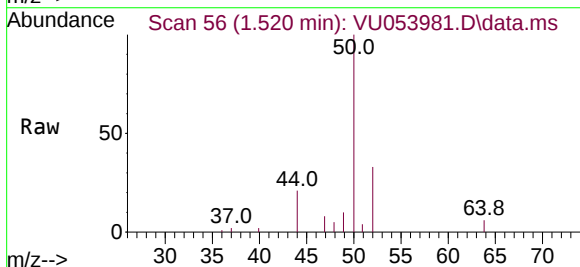
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

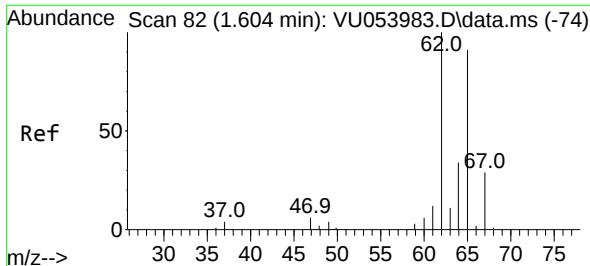
Tgt Ion: 85 Resp: 10866
Ion Ratio Lower Upper
85 100
87 32.2 26.0 39.0



#3
Chloromethane
Concen: 5.197 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 50 Resp: 9990
Ion Ratio Lower Upper
50 100
52 33.1 22.4 41.6

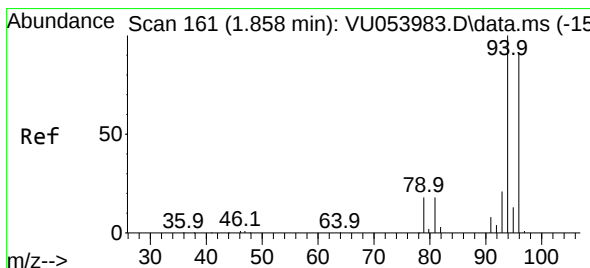
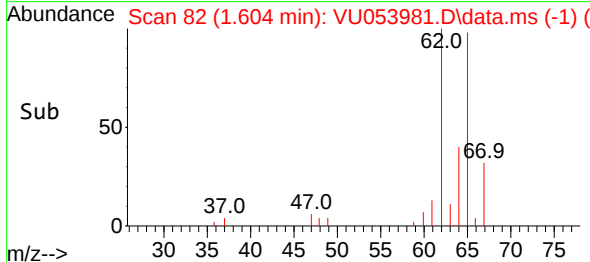
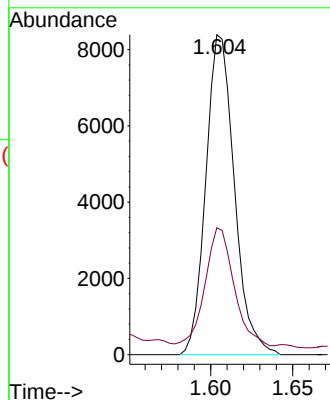
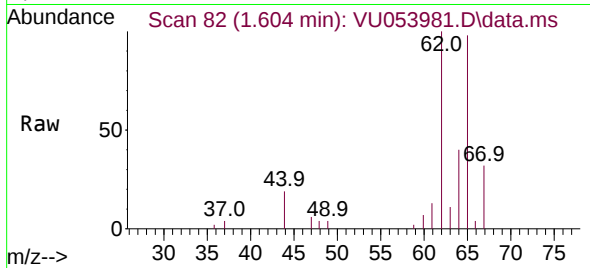




#5
 Vinyl chloride
 Concen: 4.597 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

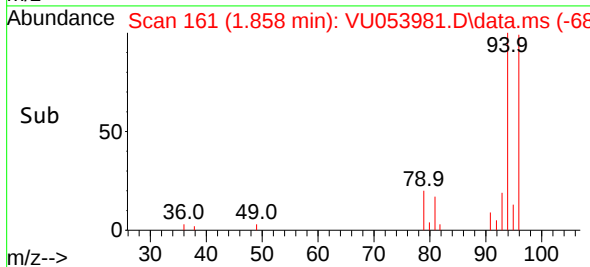
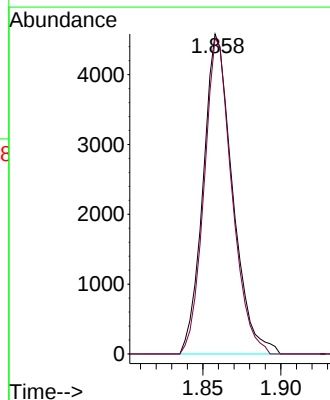
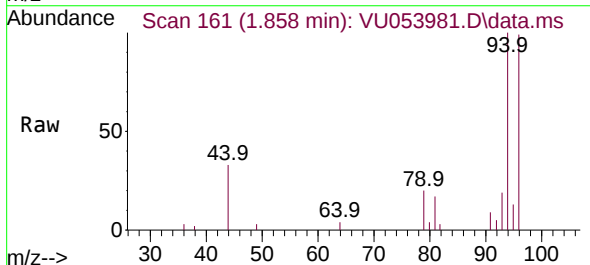
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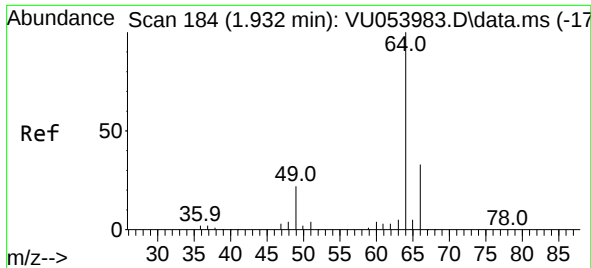
Tgt Ion: 62 Resp: 10136
 Ion Ratio Lower Upper
 62 100
 64 39.6 24.1 44.7



#6
 Bromomethane
 Concen: 3.913 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

Tgt Ion: 94 Resp: 6005
 Ion Ratio Lower Upper
 94 100
 96 98.7 63.9 118.7





#8

Chloroethane

Concen: 4.790 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

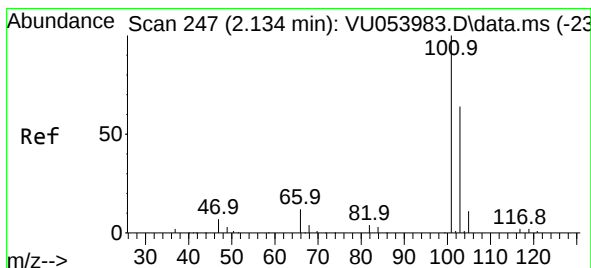
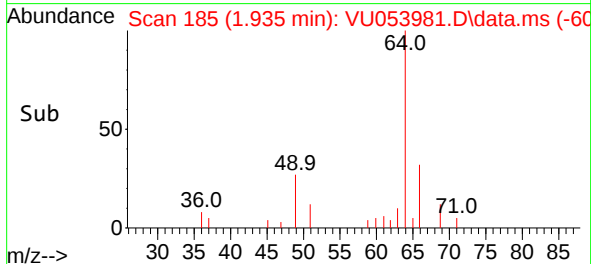
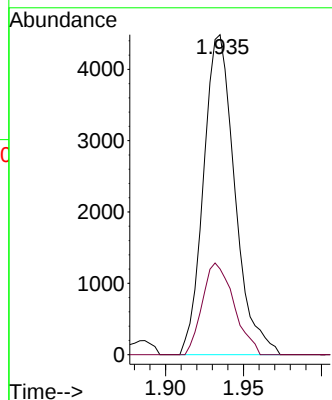
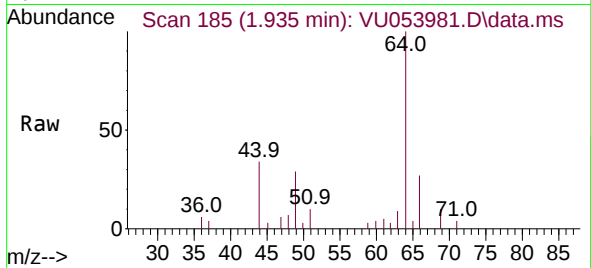
VSTD005017

Tgt Ion: 64 Resp: 6260

Ion Ratio Lower Upper

64 100

66 26.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 5.037 ug/L

RT: 2.137 min Scan# 248

Delta R.T. 0.003 min

Lab File: VU053981.D

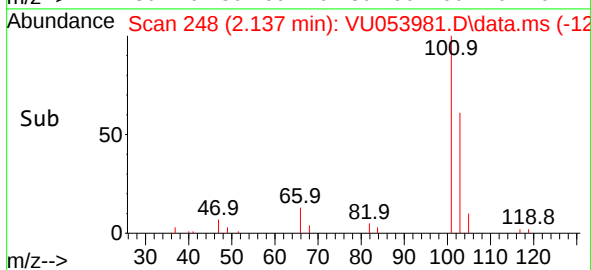
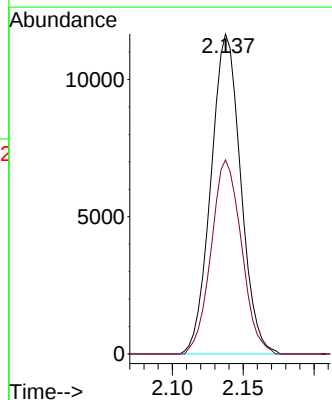
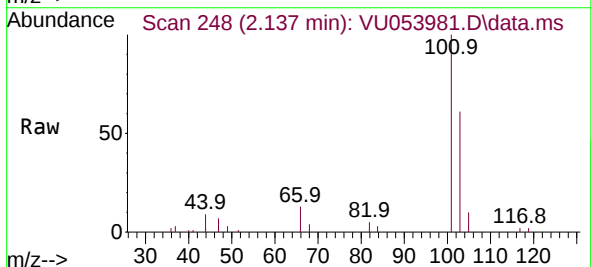
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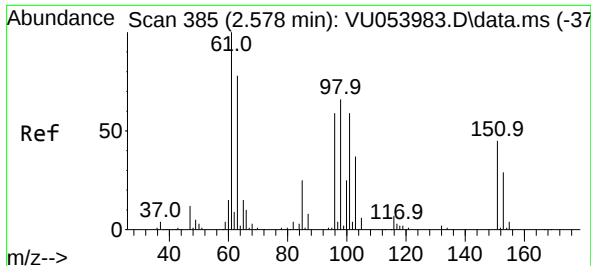
Tgt Ion:101 Resp: 17063

Ion Ratio Lower Upper

101 100

103 61.7 51.0 76.4

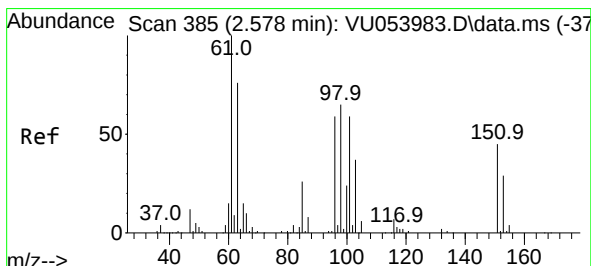
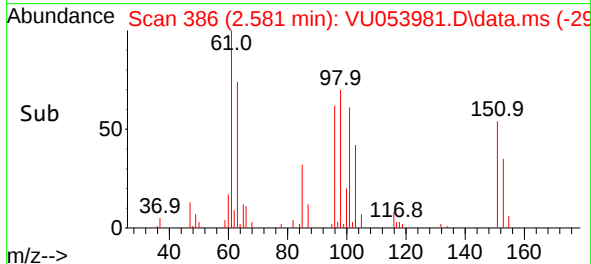
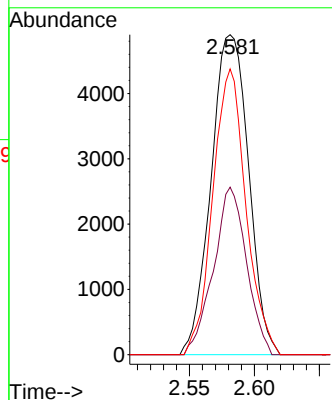
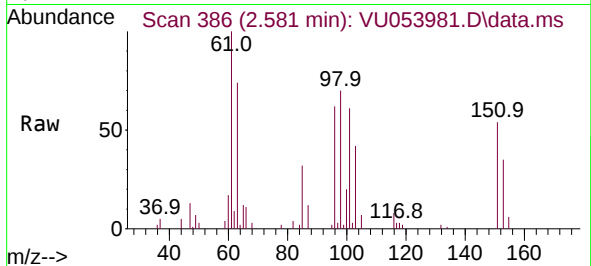




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.982 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

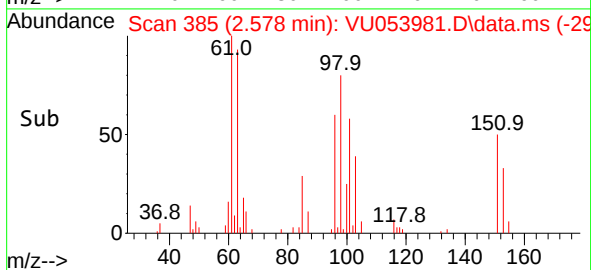
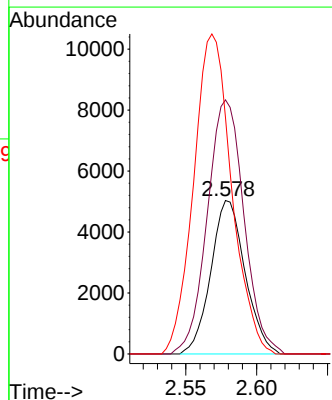
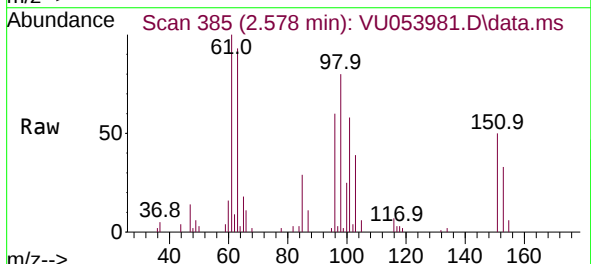
Instrument :
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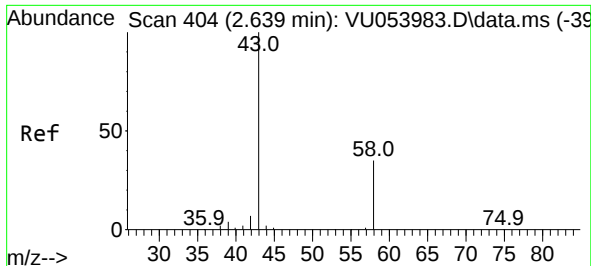
Tgt Ion:101 Resp: 9868
 Ion Ratio Lower Upper
 101 100
 85 46.0 34.3 51.5
 151 78.7 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 4.805 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

Tgt Ion: 96 Resp: 8477
 Ion Ratio Lower Upper
 96 100
 61 165.6 118.3 219.7
 63 154.2 92.3 171.5





#13

Acetone

Concen: 14.058 ug/L

RT: 2.636 min Scan# 404

Delta R.T. -0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

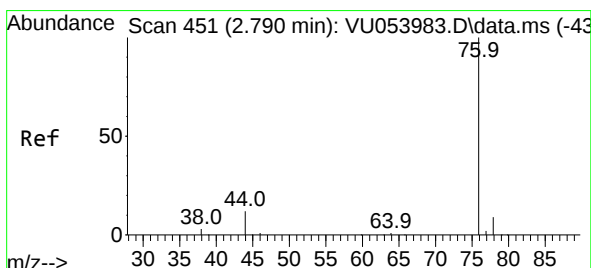
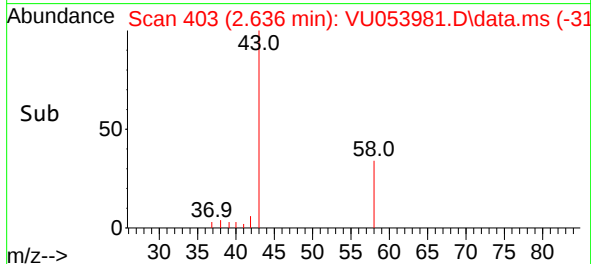
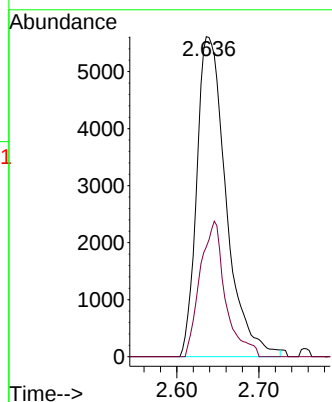
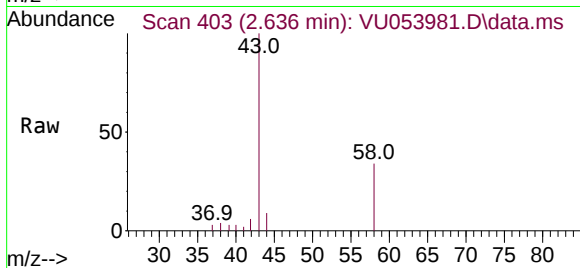
VSTD005017

Tgt Ion: 43 Resp: 13902

Ion Ratio Lower Upper

43 100

58 36.6 0.0 67.4



#14

Carbon disulfide

Concen: 3.990 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053981.D

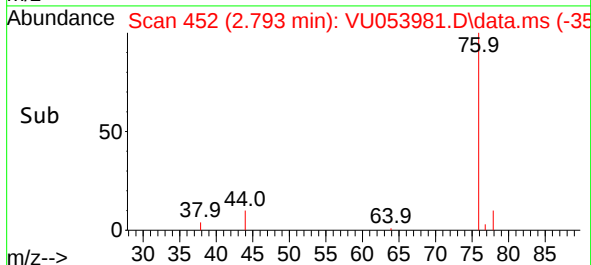
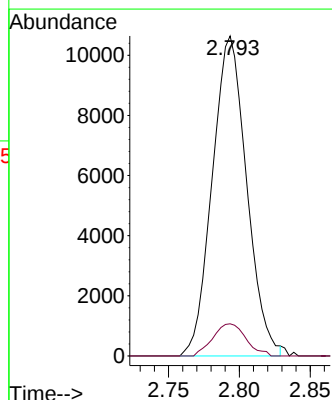
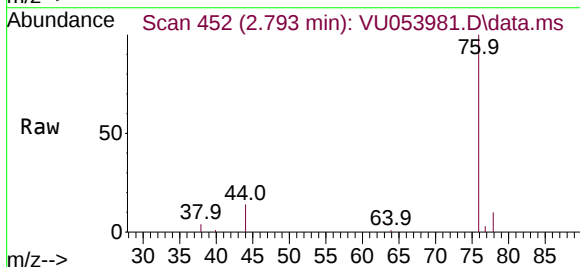
Acq: 29 Apr 2023 12:53

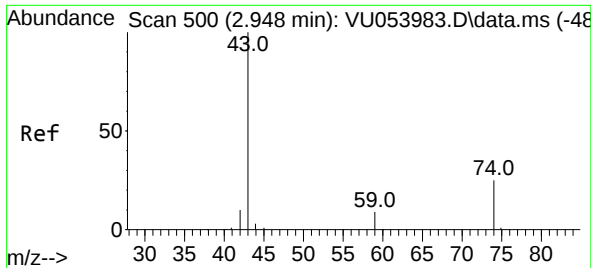
Tgt Ion: 76 Resp: 17980

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.4

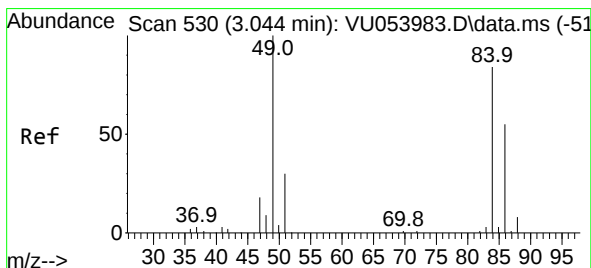
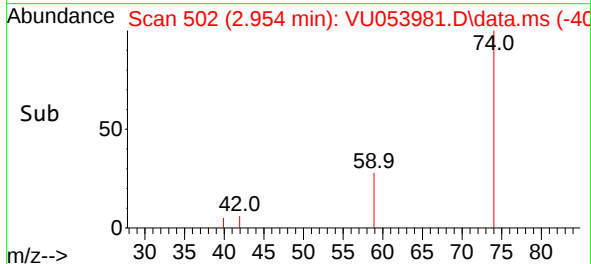
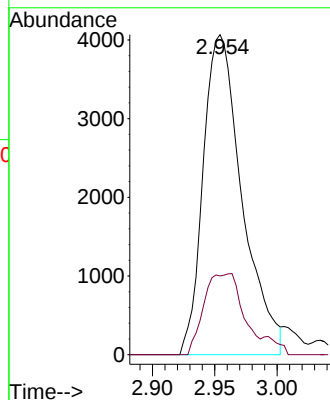
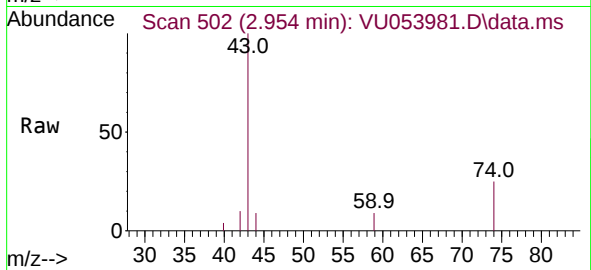




#15
Methyl Acetate
Concen: 5.882 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.007 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

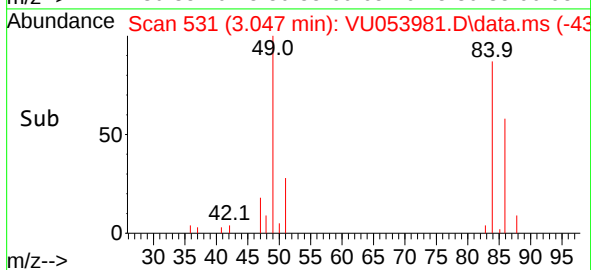
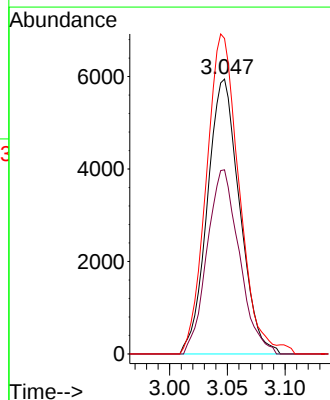
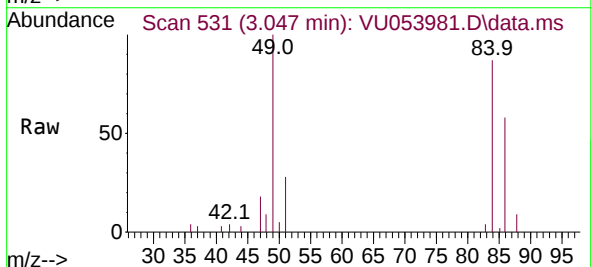
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

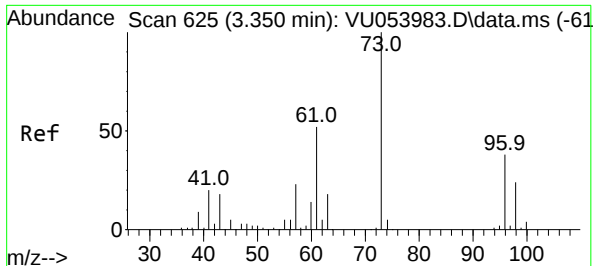
Tgt Ion: 43 Resp: 8849
Ion Ratio Lower Upper
43 100
74 11.7 21.2 31.8#



#16
Methylene chloride
Concen: 5.731 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 84 Resp: 11574
Ion Ratio Lower Upper
84 100
86 67.0 45.8 85.2
49 114.8 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 4.808 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

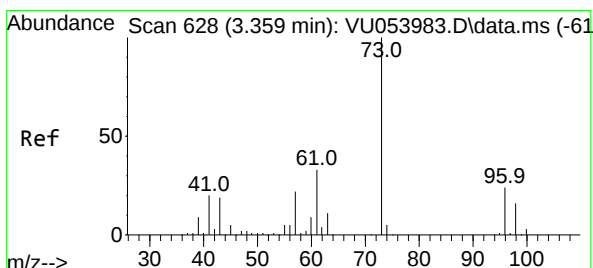
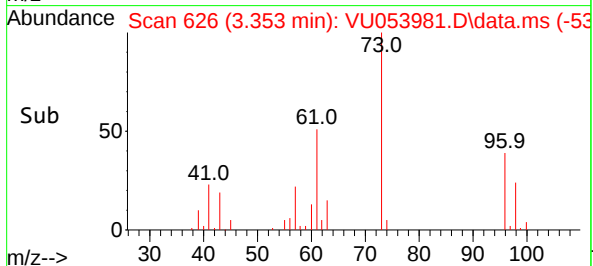
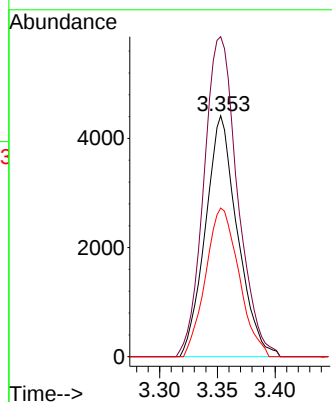
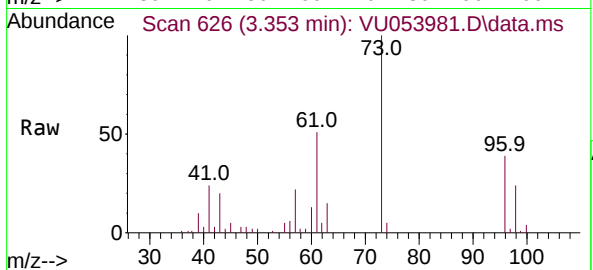
Tgt Ion: 96 Resp: 8513

Ion Ratio Lower Upper

96 100

61 132.8 97.5 181.1

98 61.7 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 5.716 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

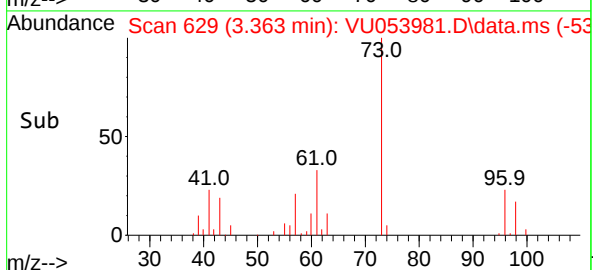
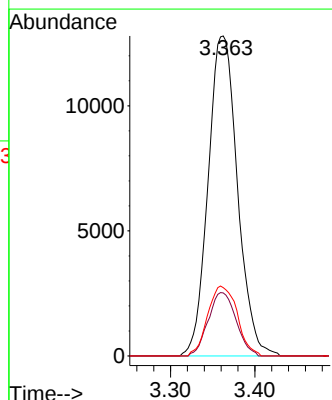
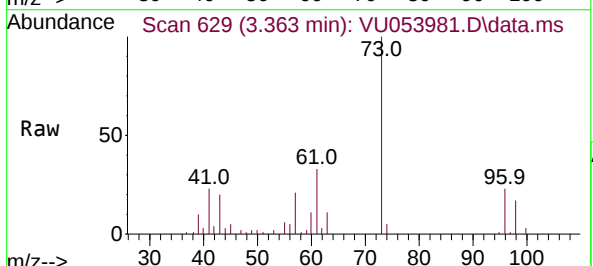
Tgt Ion: 73 Resp: 31001

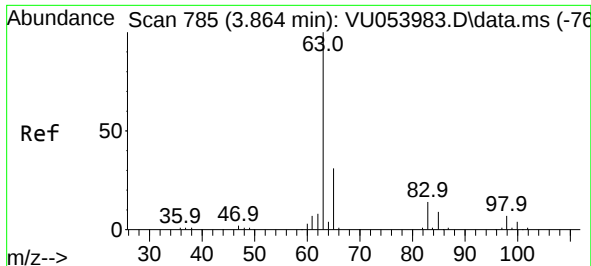
Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.0

57 21.9 18.0 27.0





#19

1,1-Dichloroethane

Concen: 6.000 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

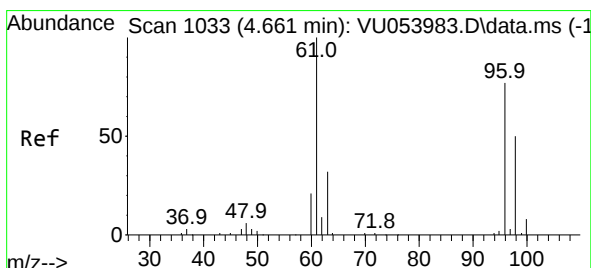
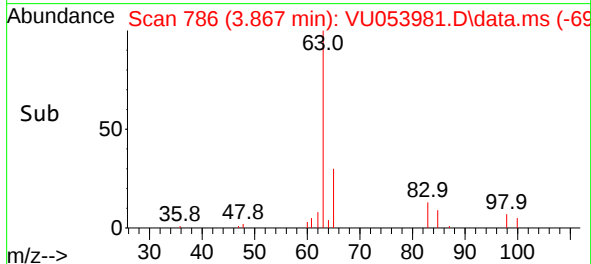
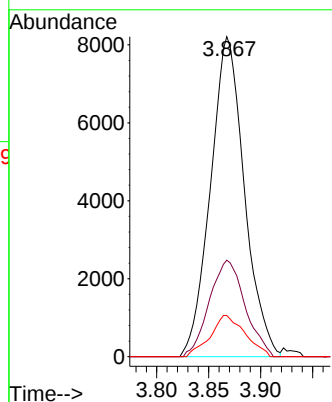
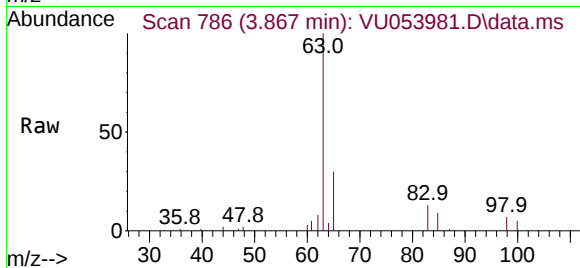
Tgt Ion: 63 Resp: 18600

Ion Ratio Lower Upper

63 100

65 30.2 22.0 40.8

83 12.9 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 5.192 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

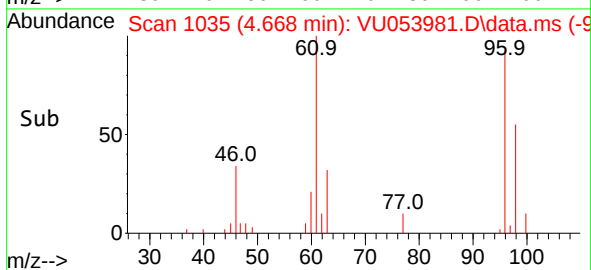
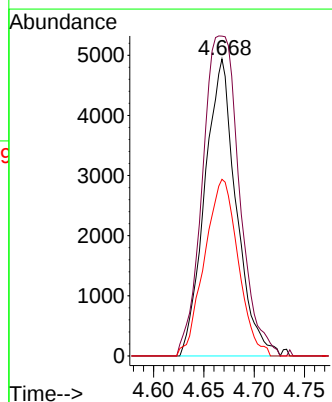
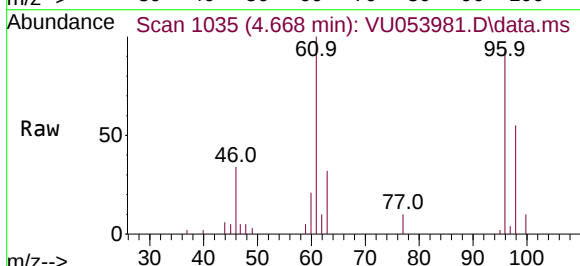
Tgt Ion: 96 Resp: 10763

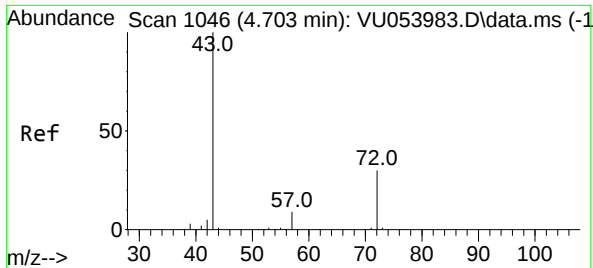
Ion Ratio Lower Upper

96 100

61 107.7 90.9 168.9

98 59.5 45.7 84.9

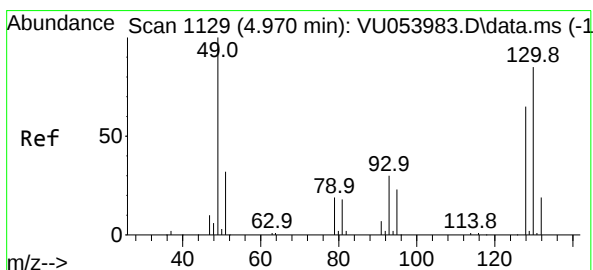
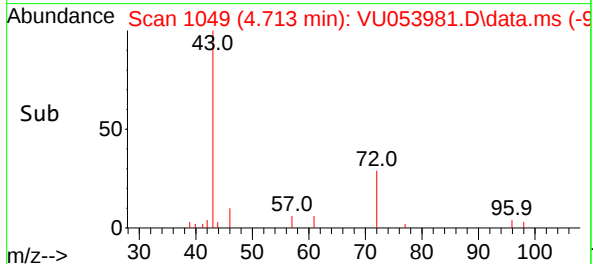
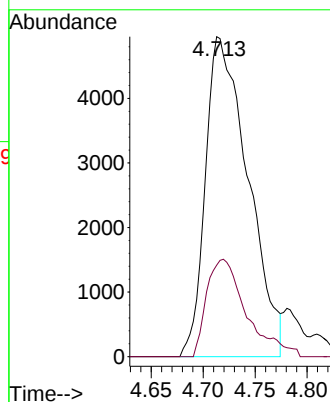
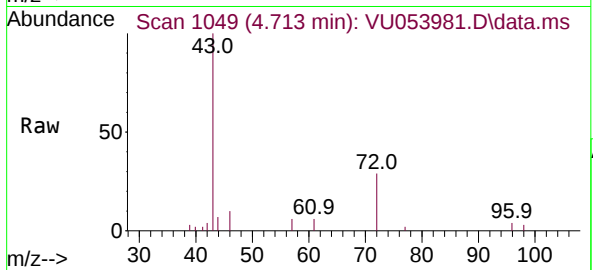




#22
2-Butanone
Concen: 11.886 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.010 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

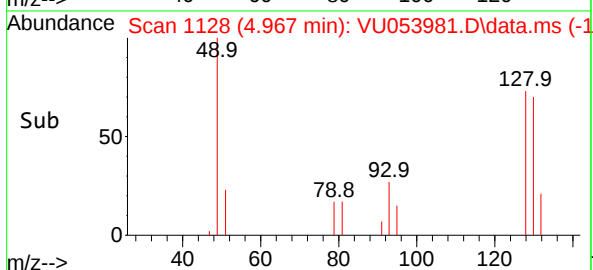
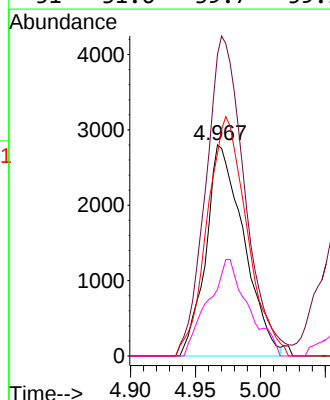
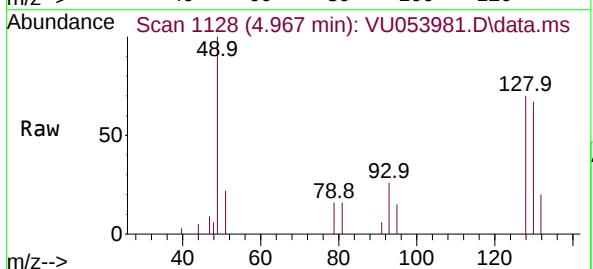
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

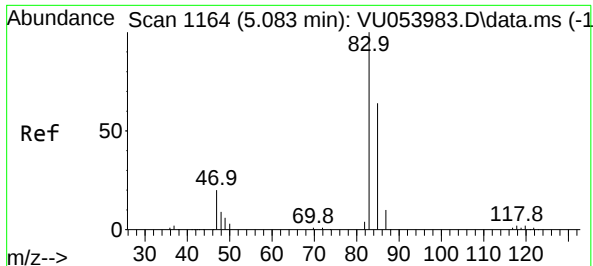
Tgt Ion: 43 Resp: 14095
Ion Ratio Lower Upper
43 100
72 26.4 14.0 41.9



#23
Bromochloromethane
Concen: 4.978 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 128 Resp: 5673
Ion Ratio Lower Upper
128 100
49 143.0 107.5 199.7
130 95.9 91.0 169.0
51 31.6 39.7 59.5#





#25

Chloroform

Concen: 5.621 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

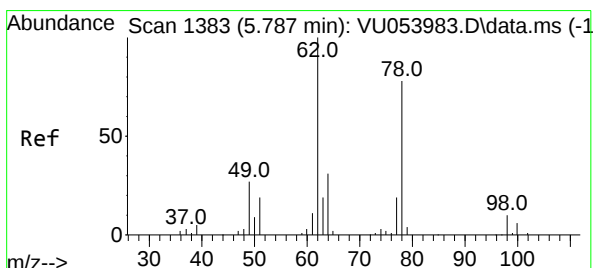
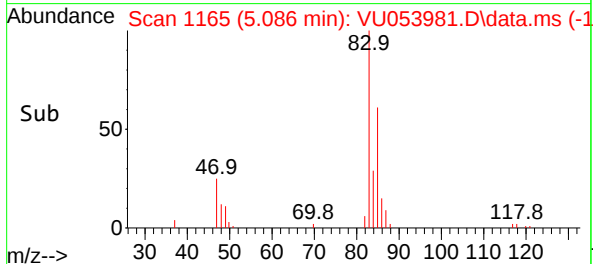
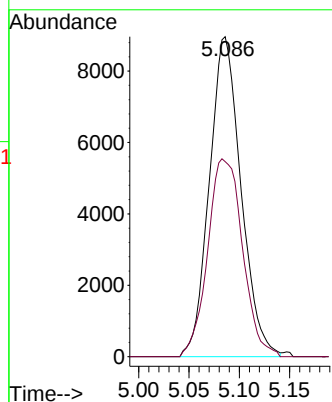
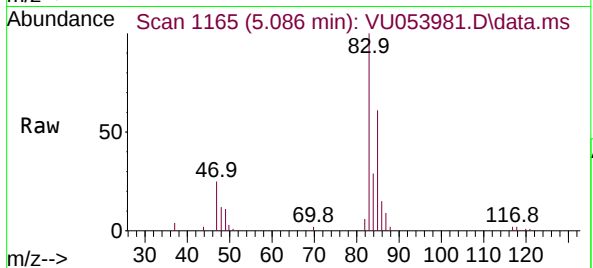
VSTD005017

Tgt Ion: 83 Resp: 19643

Ion Ratio Lower Upper

83 100

85 61.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.975 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.007 min

Lab File: VU053981.D

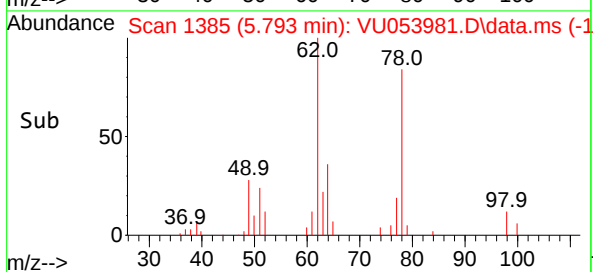
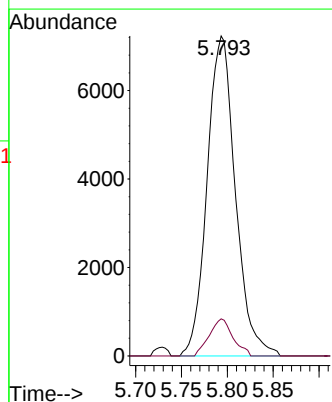
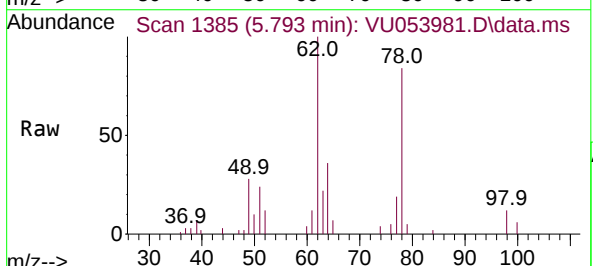
Acq: 29 Apr 2023 12:53

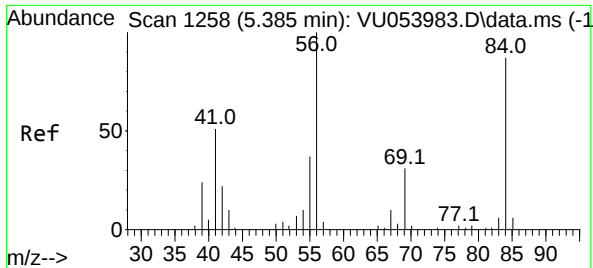
Tgt Ion: 62 Resp: 15519

Ion Ratio Lower Upper

62 100

98 11.6 8.0 12.0





#29

Cyclohexane

Concen: 5.233 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

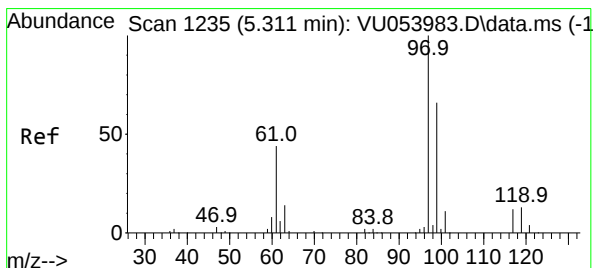
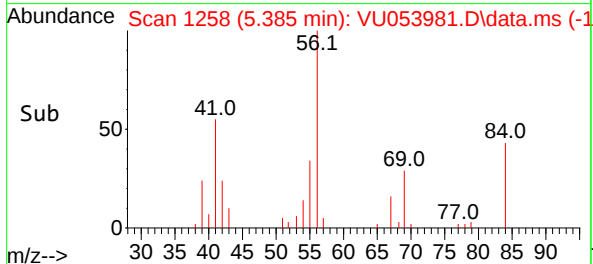
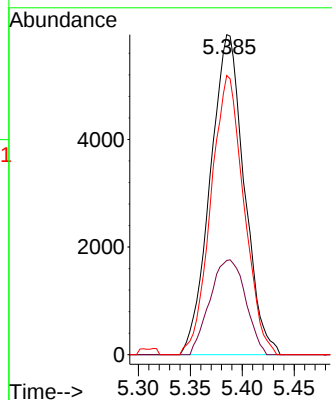
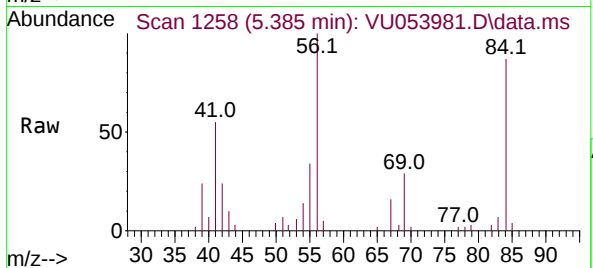
Tgt Ion: 56 Resp: 13526

Ion Ratio Lower Upper

56 100

69 31.1 25.8 38.6

84 84.4 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 5.784 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

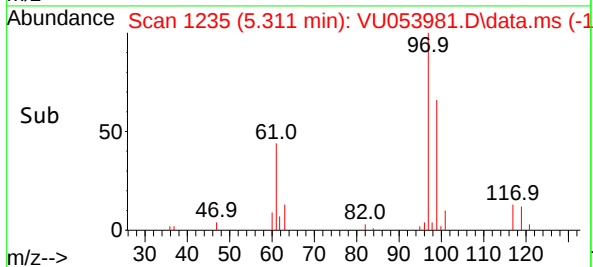
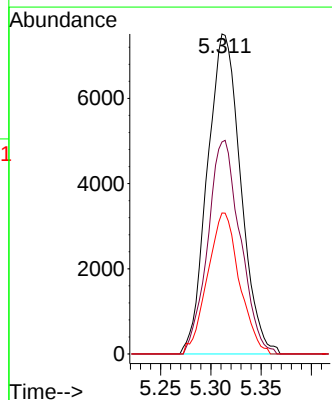
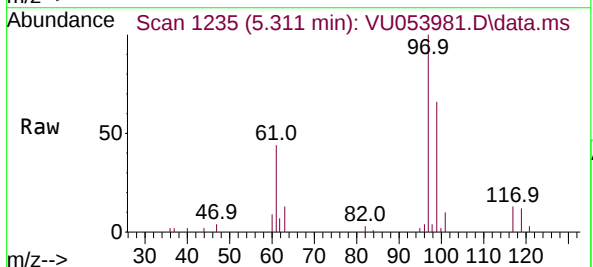
Tgt Ion: 97 Resp: 17296

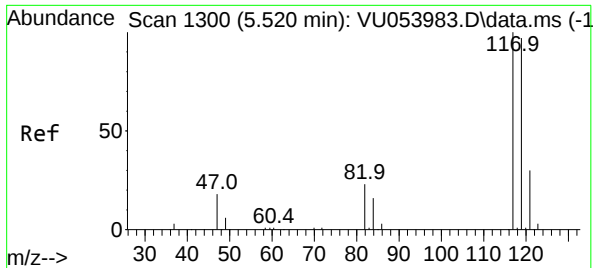
Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

61 42.2 34.2 51.4

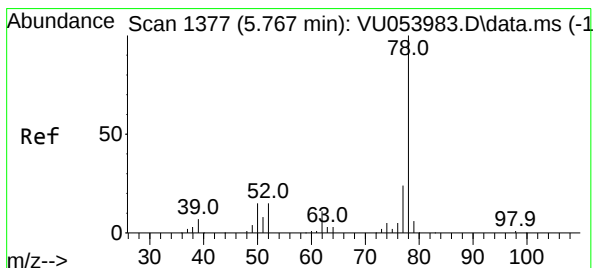
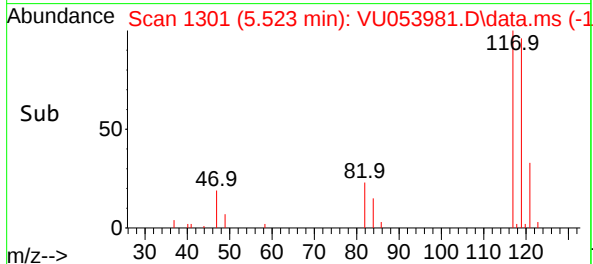
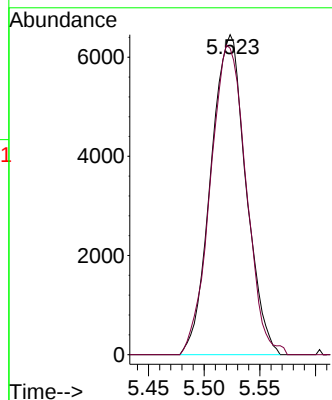
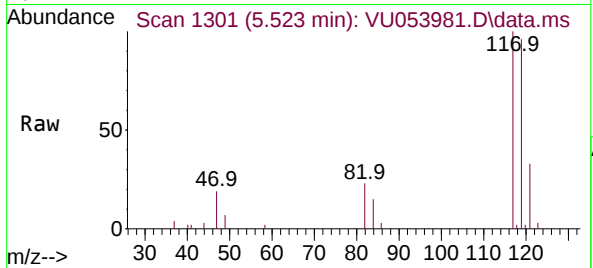




#31
Carbon tetrachloride
Concen: 5.323 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

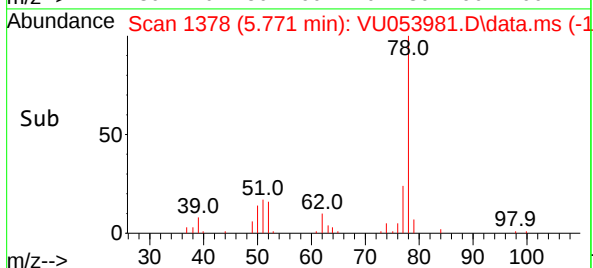
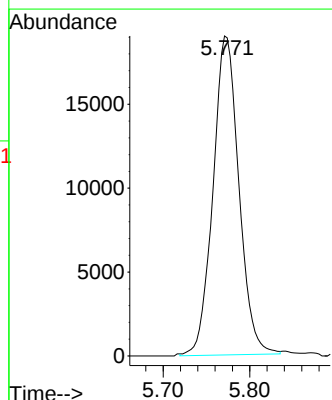
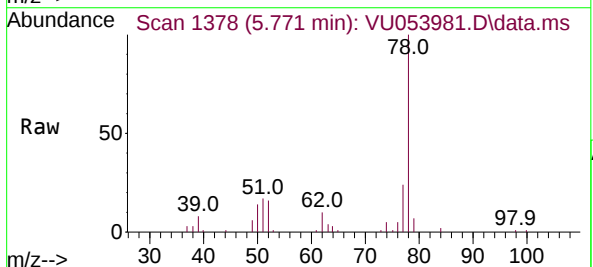
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

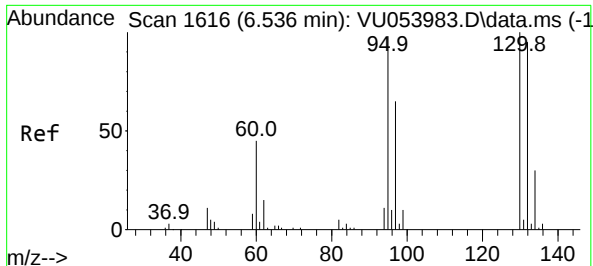
Tgt Ion:117 Resp: 14165
Ion Ratio Lower Upper
117 100
119 98.2 77.8 116.6



#33
Benzene
Concen: 5.572 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 78 Resp: 39463





#34

Trichloroethene

Concen: 4.842 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

Tgt Ion: 95 Resp: 10113

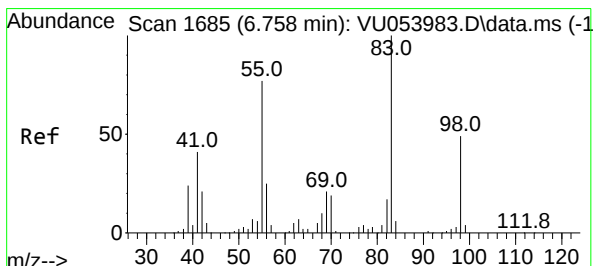
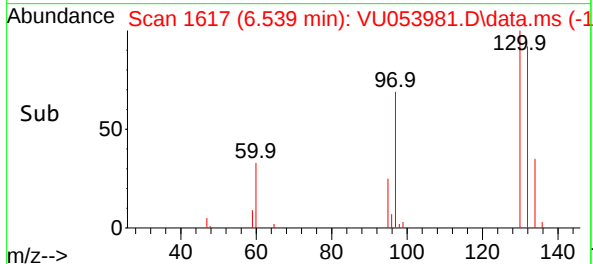
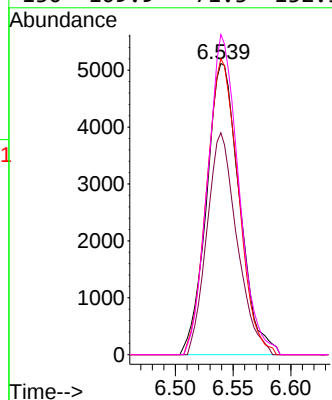
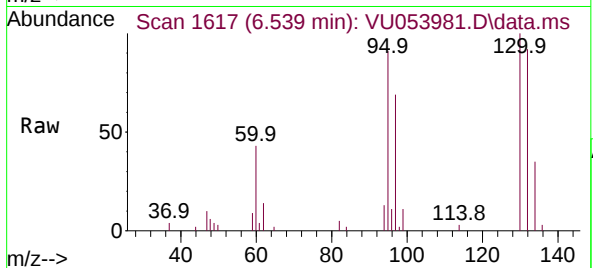
Ion Ratio Lower Upper

95 100

97 76.2 46.5 86.3

132 101.6 67.8 126.0

130 109.9 71.3 132.3



#35

Methylcyclohexane

Concen: 4.726 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

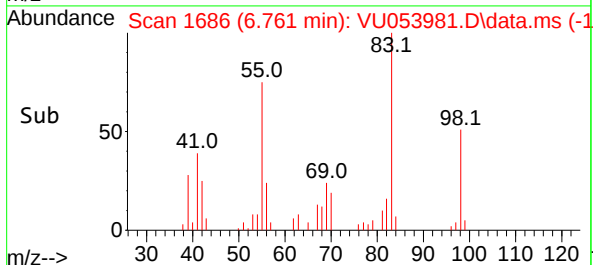
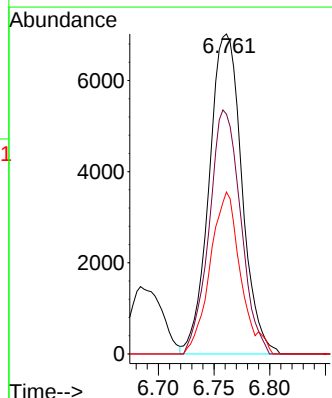
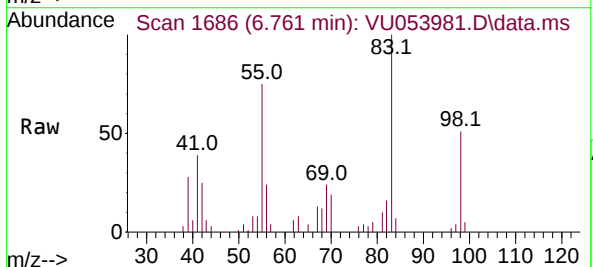
Tgt Ion: 83 Resp: 14357

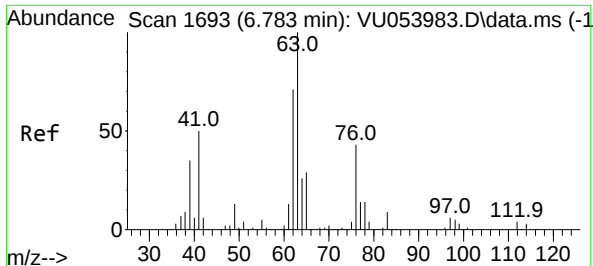
Ion Ratio Lower Upper

83 100

55 73.2 61.8 92.6

98 45.1 38.4 57.6





#37

1,2-Dichloropropane

Concen: 6.110 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

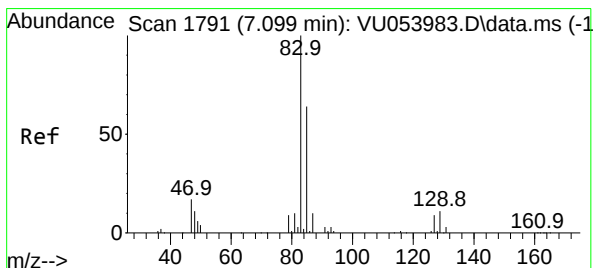
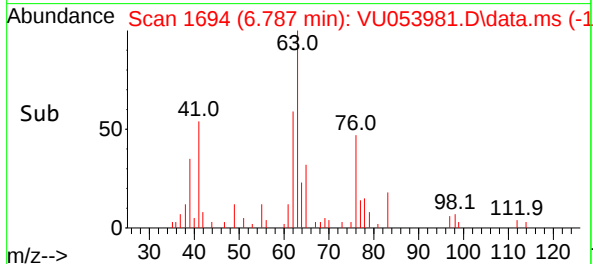
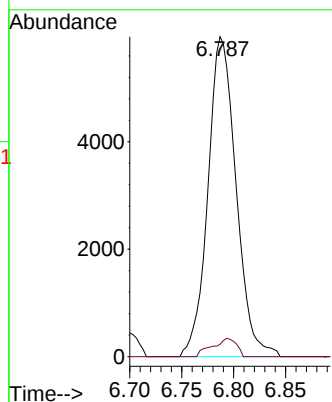
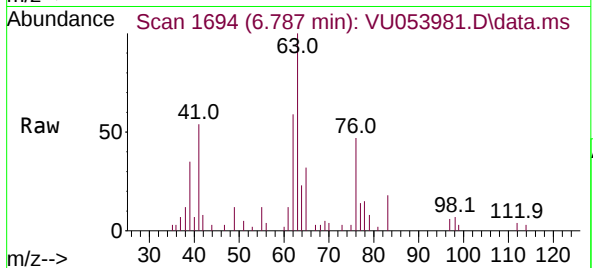
VSTD005017

Tgt Ion: 63 Resp: 11223

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



#38

Bromodichloromethane

Concen: 5.681 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

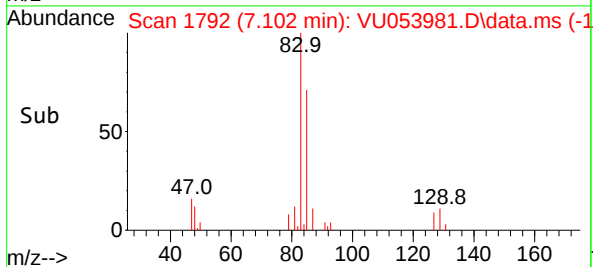
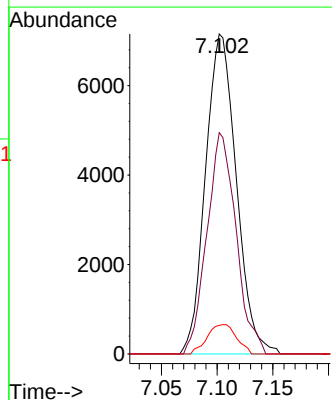
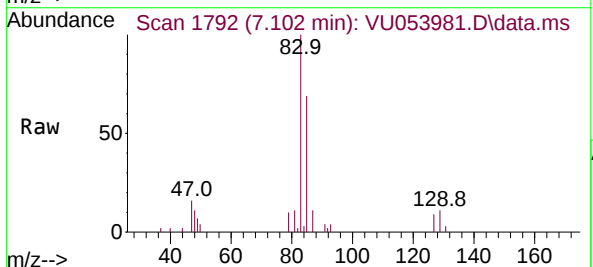
Tgt Ion: 83 Resp: 13762

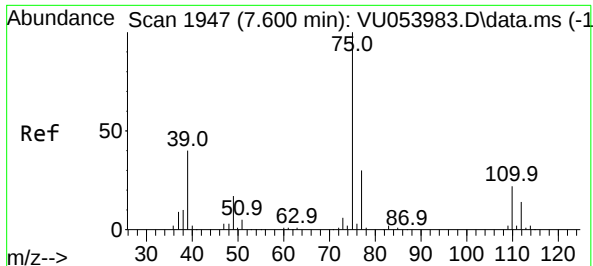
Ion Ratio Lower Upper

83 100

85 69.2 45.0 83.6

127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.612 ug/L

RT: 7.607 min Scan# 1947

Delta R.T. 0.007 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

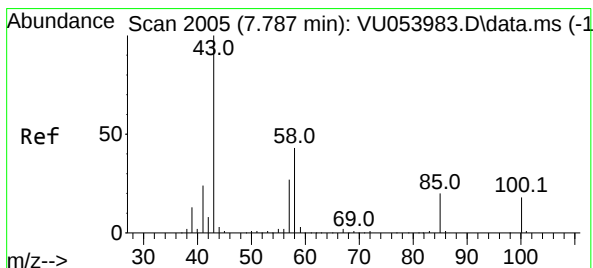
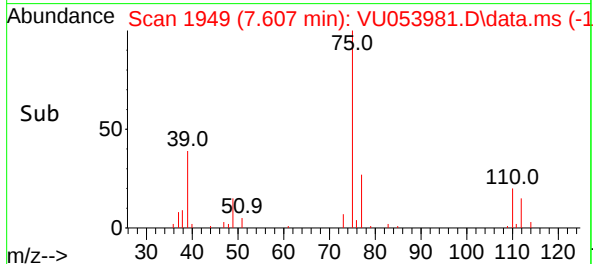
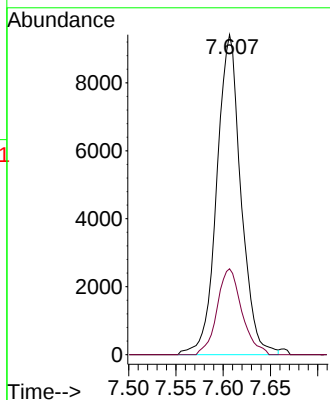
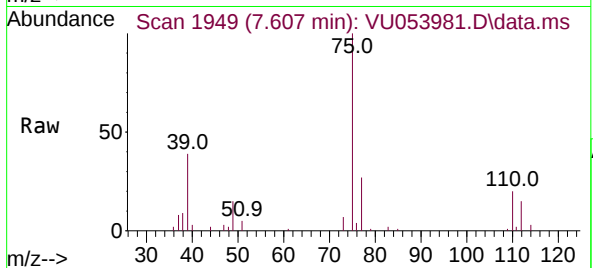
VSTD005017

Tgt Ion: 75 Resp: 16767

Ion Ratio Lower Upper

75 100

77 26.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 11.652 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

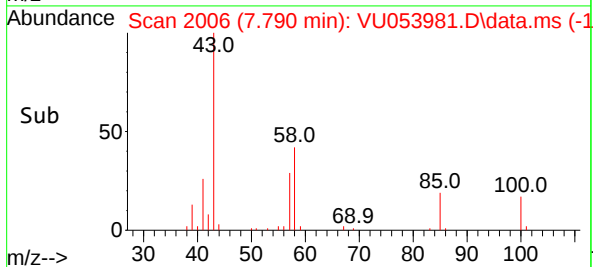
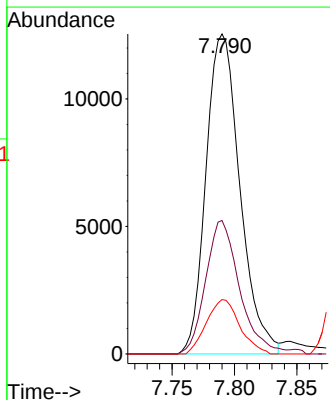
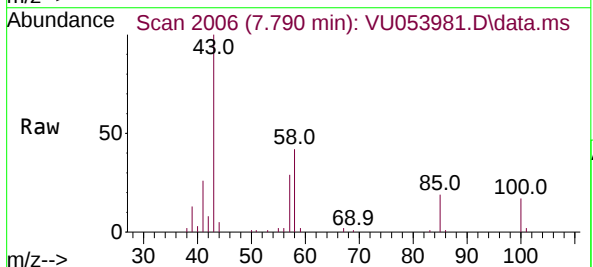
Tgt Ion: 43 Resp: 23785

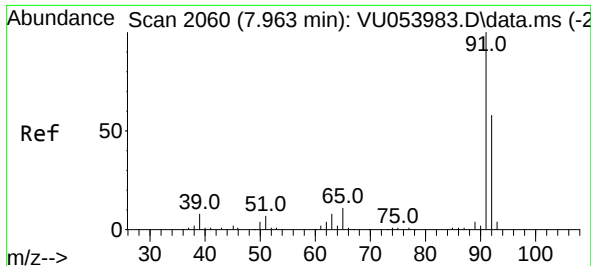
Ion Ratio Lower Upper

43 100

58 41.6 34.5 51.7

100 16.6 13.8 20.6





#42

Toluene

Concen: 5.179 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

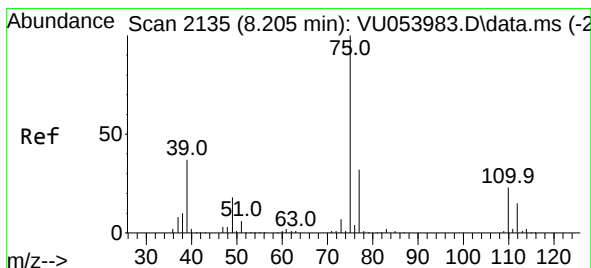
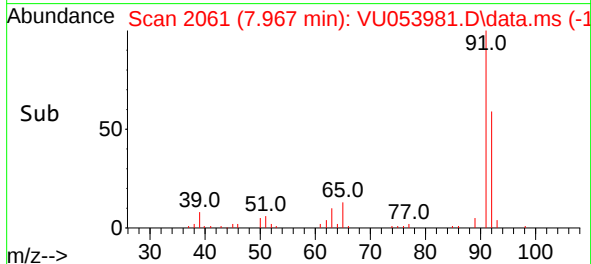
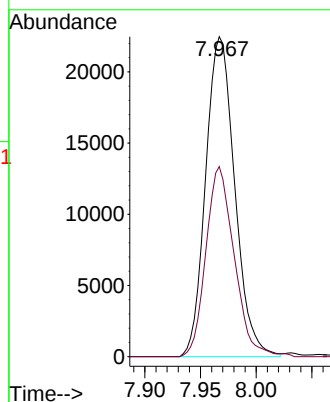
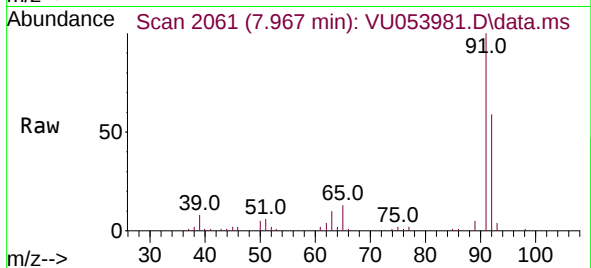
VSTD005017

Tgt Ion: 91 Resp: 40879

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.505 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053981.D

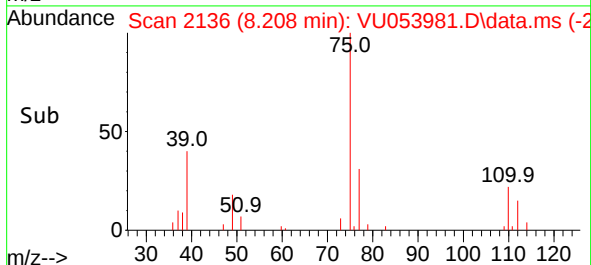
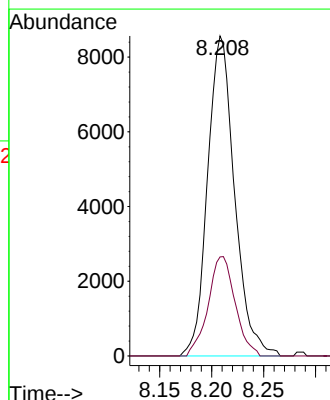
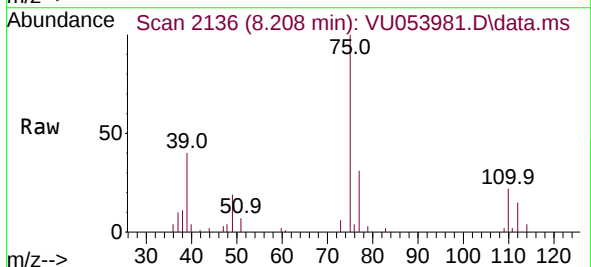
Acq: 29 Apr 2023 12:53

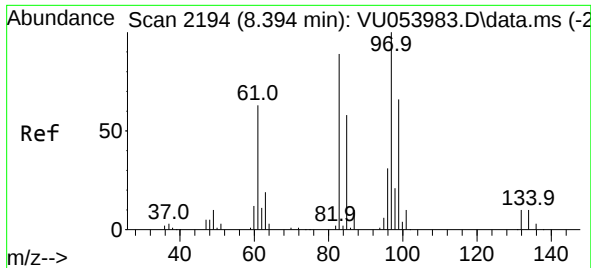
Tgt Ion: 75 Resp: 15474

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7

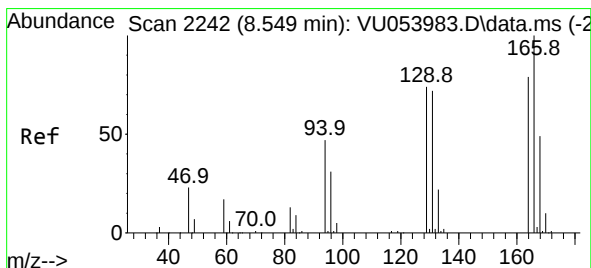
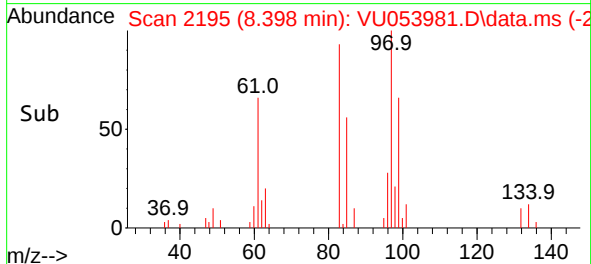
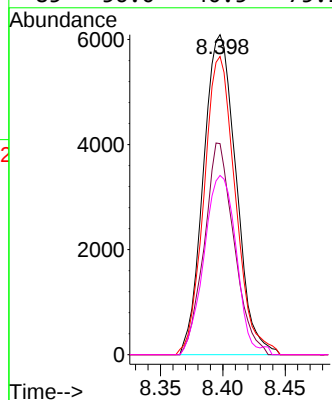
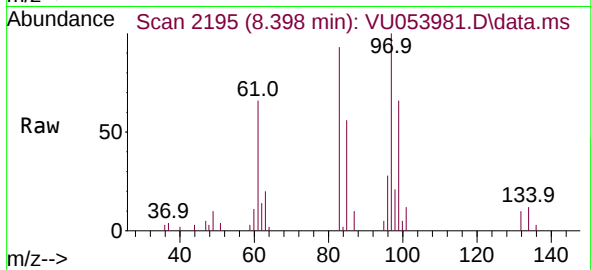




#45
1,1,2-Trichloroethane
Concen: 5.669 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

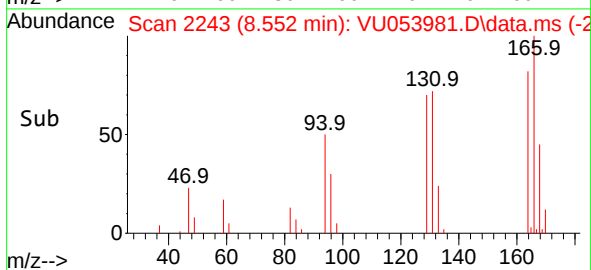
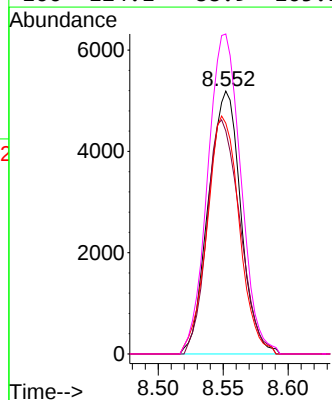
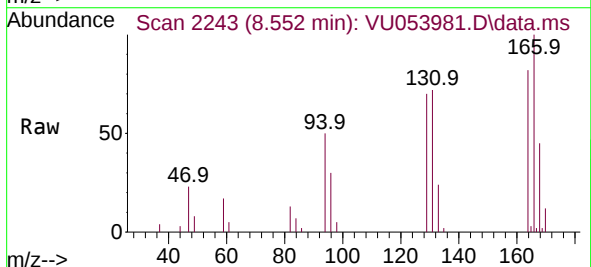
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

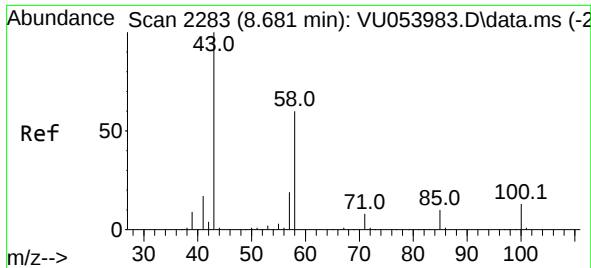
Tgt Ion: 97	Resp: 11113
Ion Ratio	Lower Upper
97 100	
99 66.0	46.2 85.8
83 93.2	62.7 116.5
85 56.0	40.5 75.1



#46
Tetrachloroethene
Concen: 5.279 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 164	Resp: 9014
Ion Ratio	Lower Upper
164 100	
129 84.8	65.6 121.8
131 87.7	63.8 118.4
166 124.1	88.9 165.1

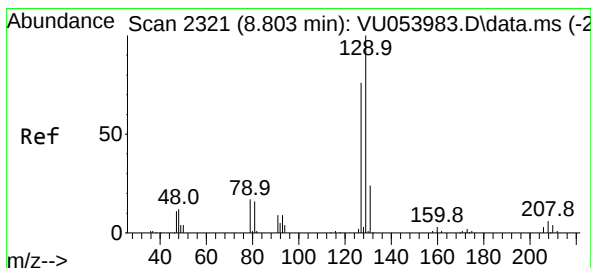
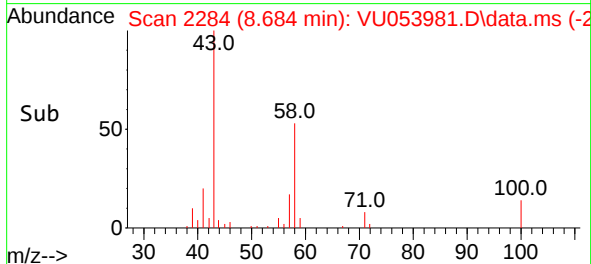
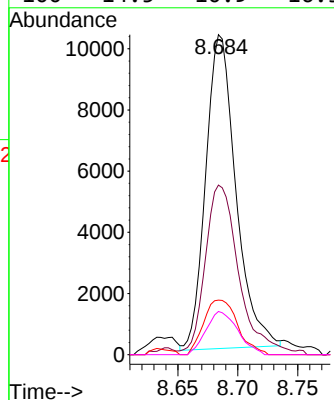
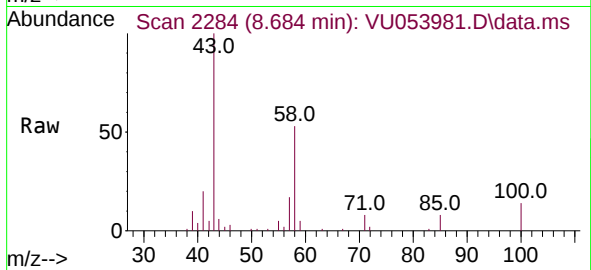




#48
2-Hexanone
Concen: 10.881 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

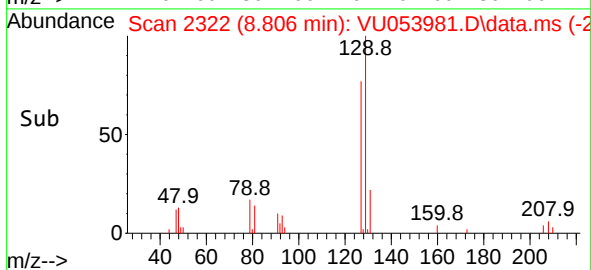
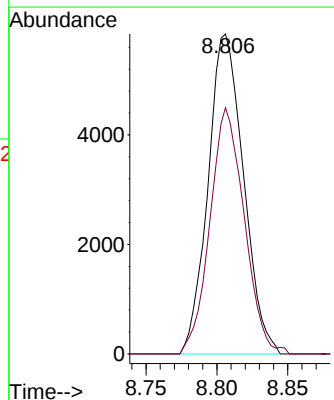
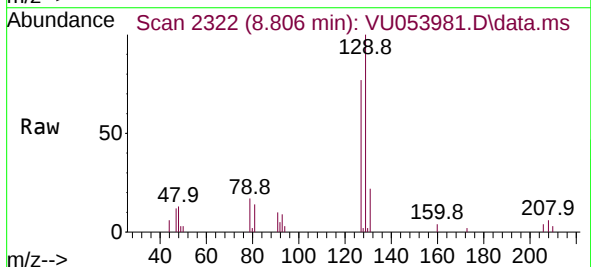
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

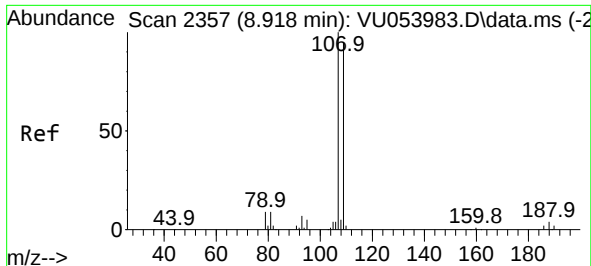
Tgt Ion: 43	Resp: 17958
Ion Ratio	Lower Upper
43 100	
58 60.4	48.5 72.7
57 19.6	16.5 24.7
100 14.5	10.9 16.3



#49
Dibromochloromethane
Concen: 5.047 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion:129	Resp:	10167	
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.9	98.3





#50

1,2-Dibromoethane

Concen: 4.869 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

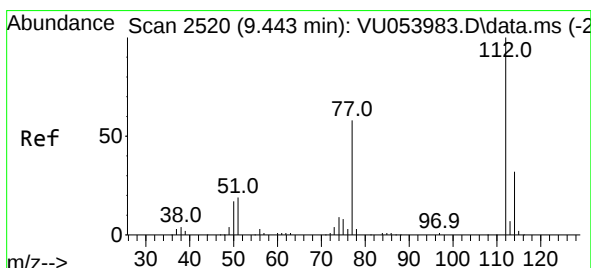
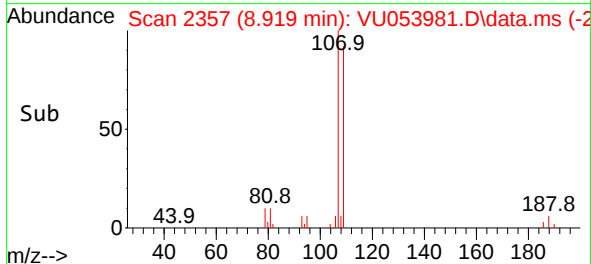
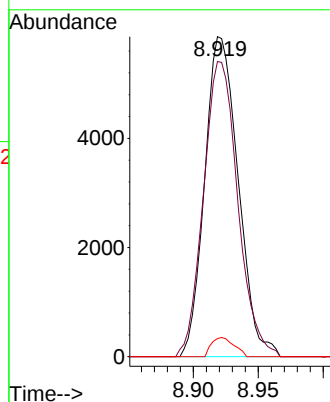
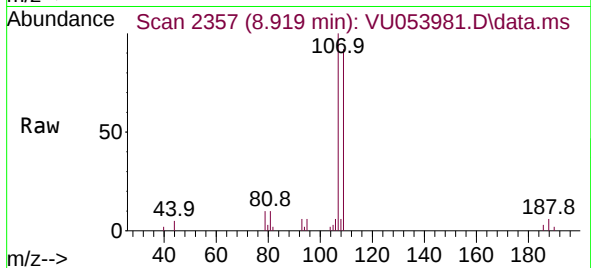
Tgt Ion:107 Resp: 10508

Ion Ratio Lower Upper

107 100

109 92.3 66.1 122.8

188 5.6 3.1 4.7#



#51

Chlorobenzene

Concen: 5.103 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

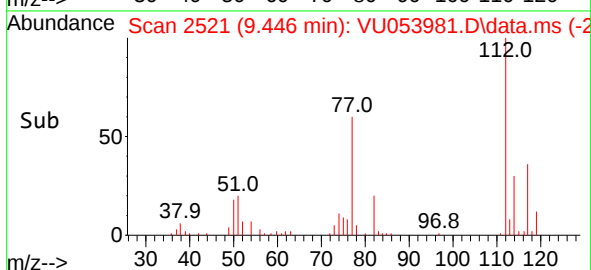
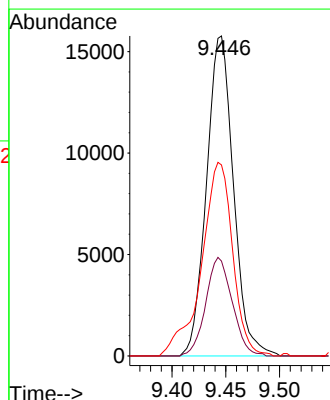
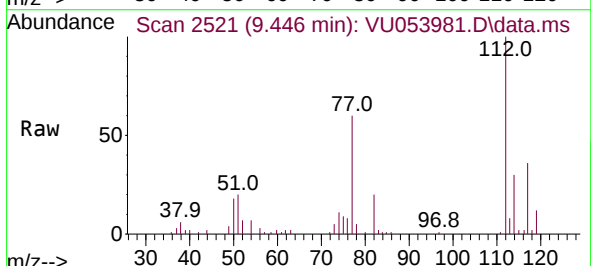
Tgt Ion:112 Resp: 27541

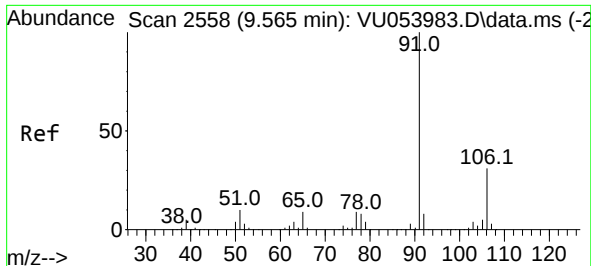
Ion Ratio Lower Upper

112 100

114 29.6 22.3 41.3

77 59.7 47.0 70.4





#52

Ethylbenzene

Concen: 5.044 ug/L

RT: 9.568 min Scan# 2558

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

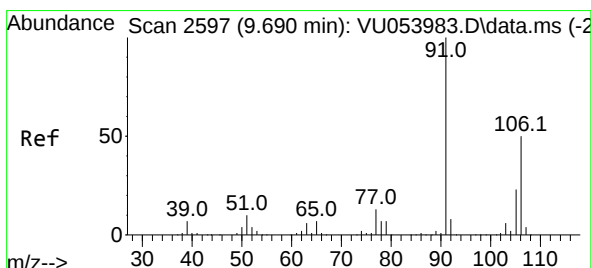
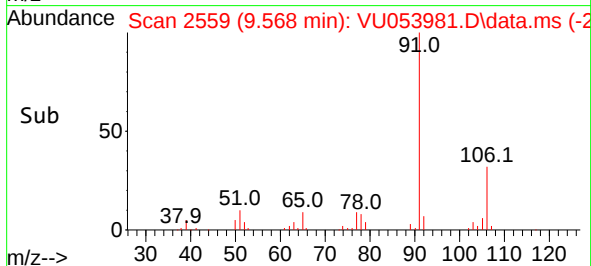
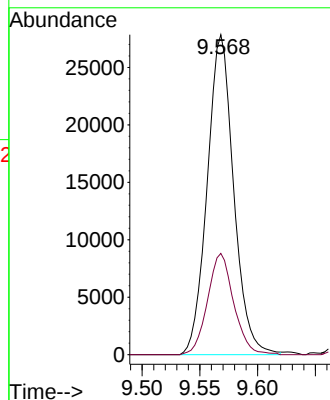
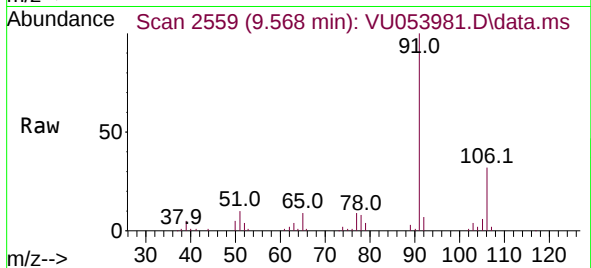
VSTD005017

Tgt Ion: 91 Resp: 44314

Ion Ratio Lower Upper

91 100

106 31.7 21.3 39.6



#53

m,p-Xylene

Concen: 4.905 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU053981.D

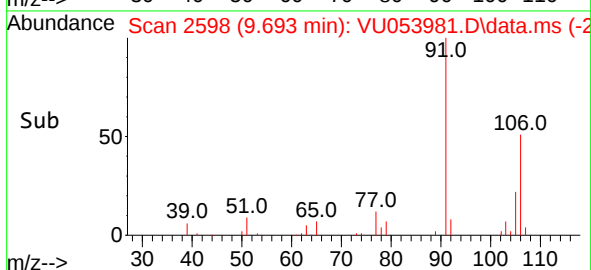
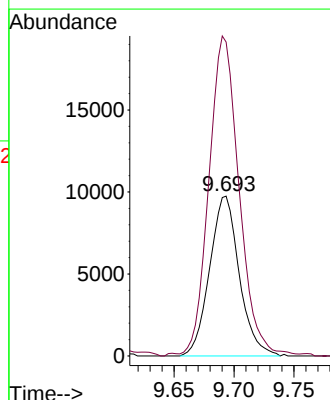
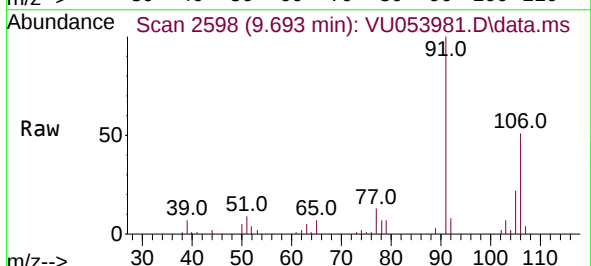
Acq: 29 Apr 2023 12:53

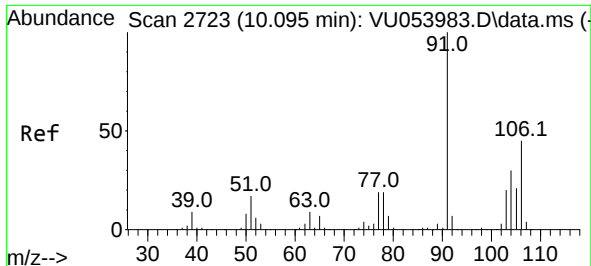
Tgt Ion:106 Resp: 16742

Ion Ratio Lower Upper

106 100

91 196.4 140.5 260.9

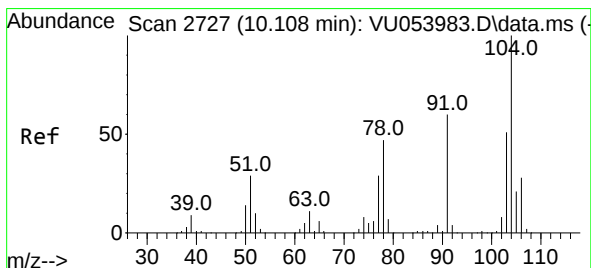
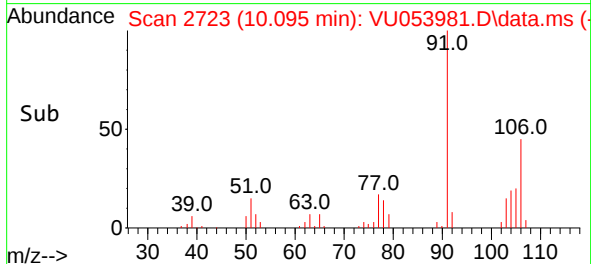
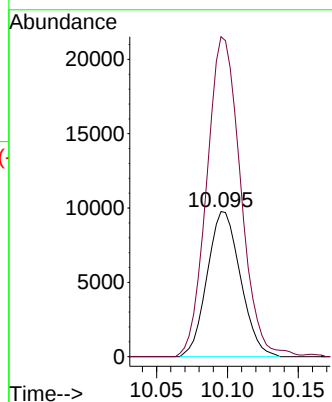
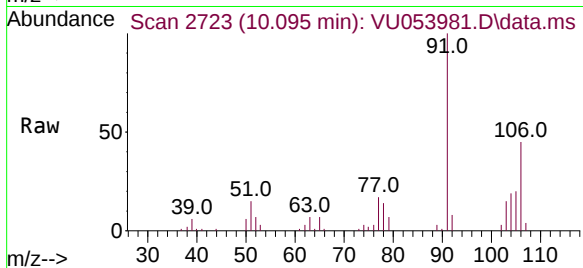




#54
o-Xylene
Concen: 4.739 ug/L
RT: 10.095 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

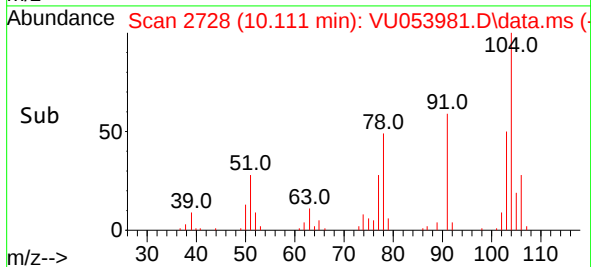
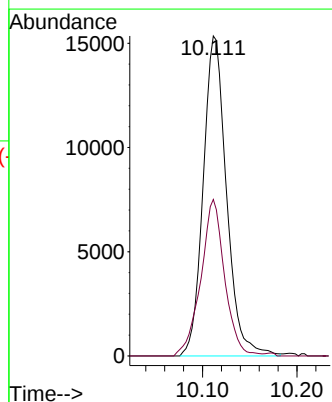
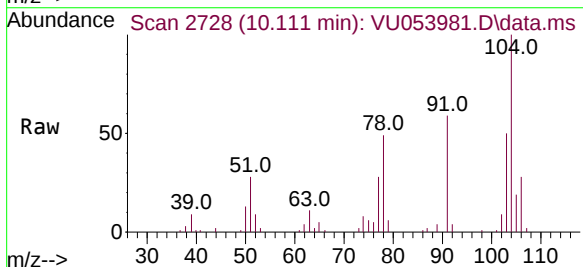
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

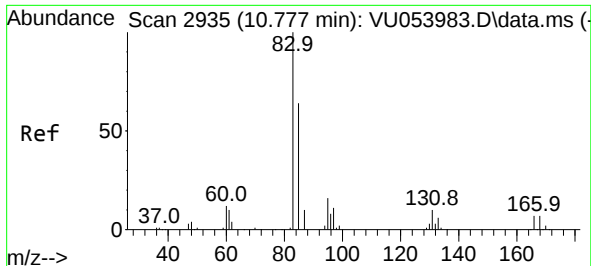
Tgt Ion:106 Resp: 15957
Ion Ratio Lower Upper
106 100
91 220.5 154.9 287.7



#55
Styrene
Concen: 4.746 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion:104 Resp: 26369
Ion Ratio Lower Upper
104 100
78 48.9 33.2 61.7

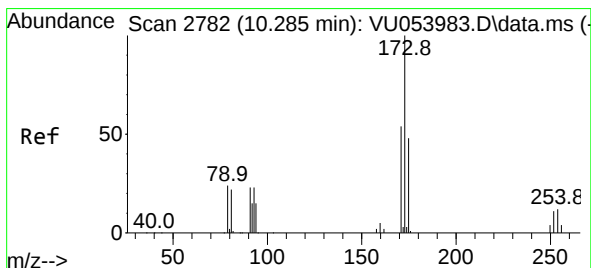
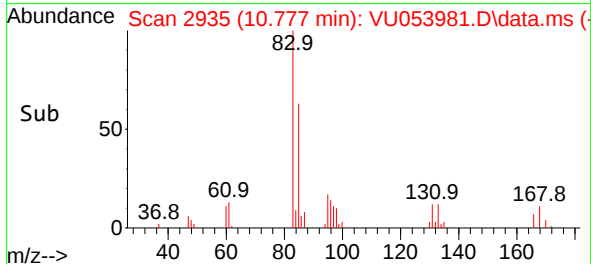
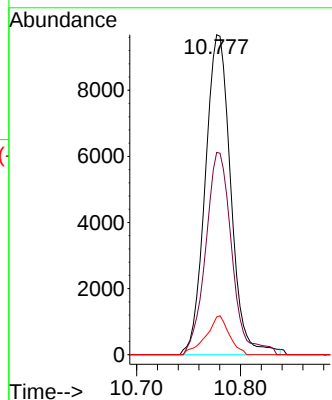
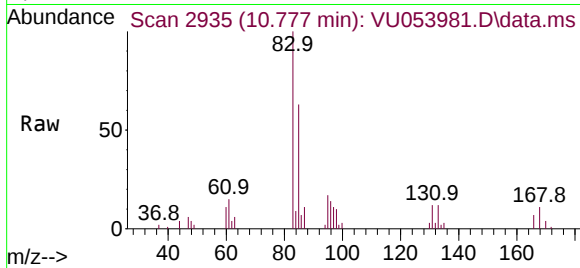




#57
1,1,2,2-Tetrachloroethane
Concen: 5.633 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

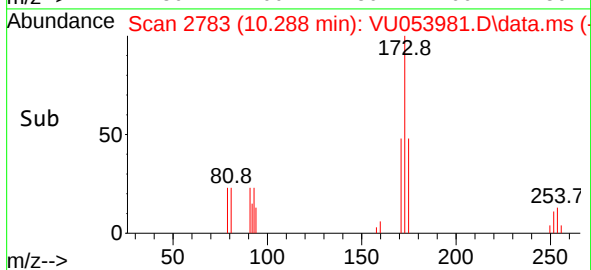
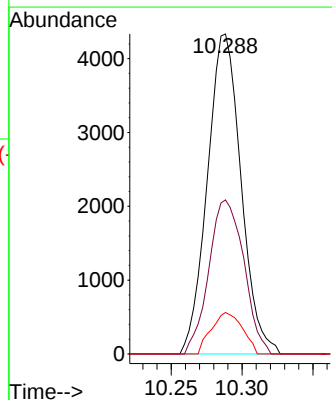
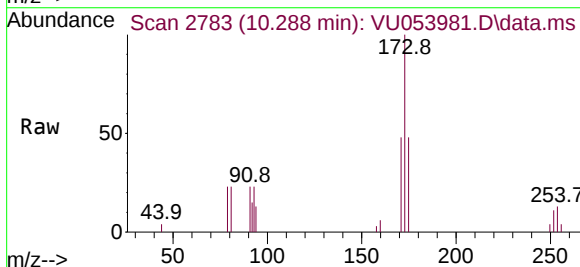
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

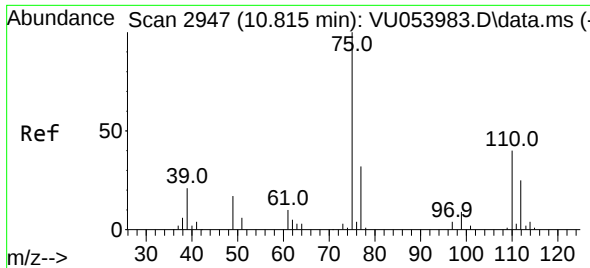
Tgt Ion: 83 Resp: 16520
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9
131 11.8 8.2 12.2



#59
Bromoform
Concen: 5.183 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion:173 Resp: 7164
Ion Ratio Lower Upper
173 100
175 50.0 38.9 58.3
254 11.9 8.5 12.7

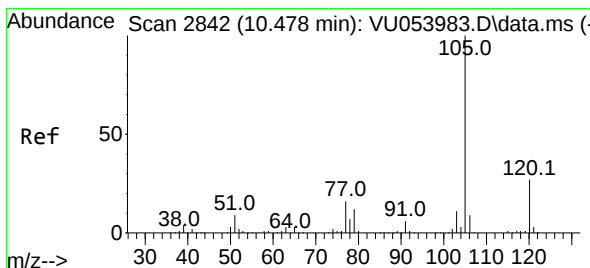
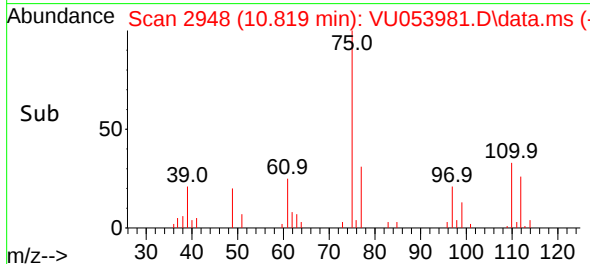
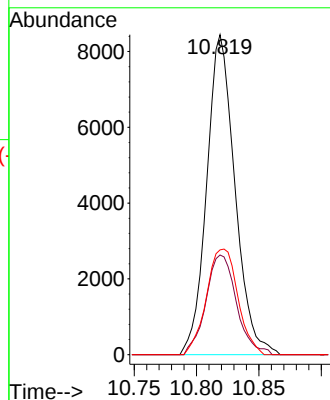
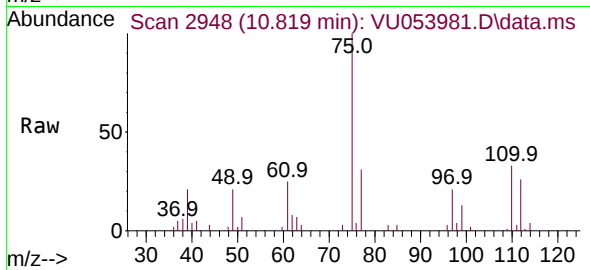




#60
1,2,3-Trichloropropane
Concen: 6.595 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

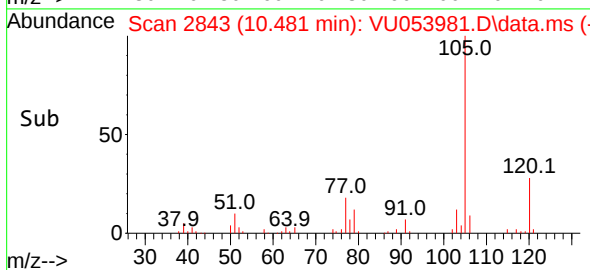
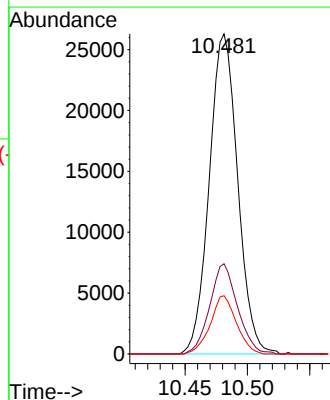
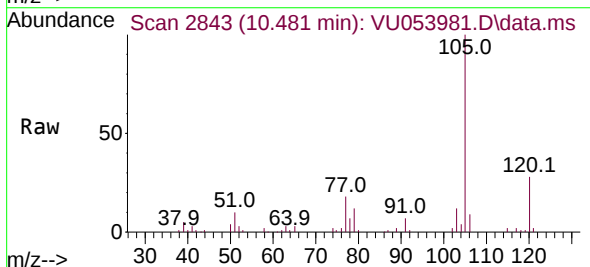
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

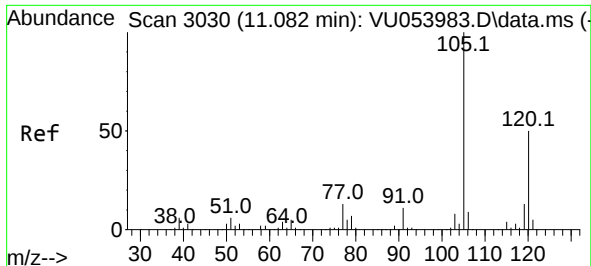
Tgt Ion: 75 Resp: 13329
Ion Ratio Lower Upper
75 100
77 33.7 26.0 39.0
110 36.7 31.8 47.8



#61
Isopropylbenzene
Concen: 5.243 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 105 Resp: 41747
Ion Ratio Lower Upper
105 100
120 27.4 21.3 31.9
77 16.7 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 5.000 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

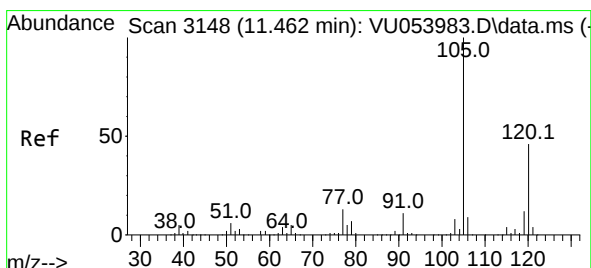
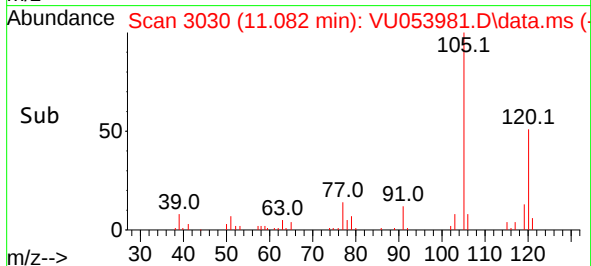
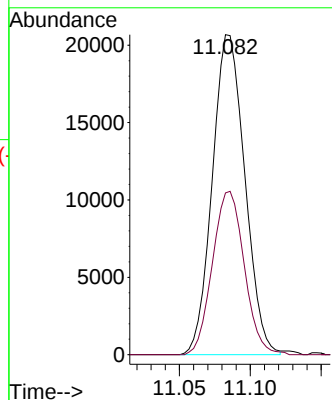
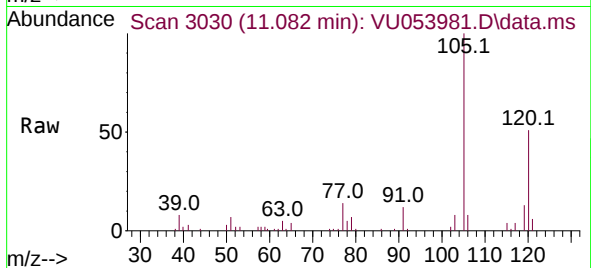
VSTD005017

Tgt Ion:105 Resp: 33011

Ion Ratio Lower Upper

105 100

120 49.9 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.886 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU053981.D

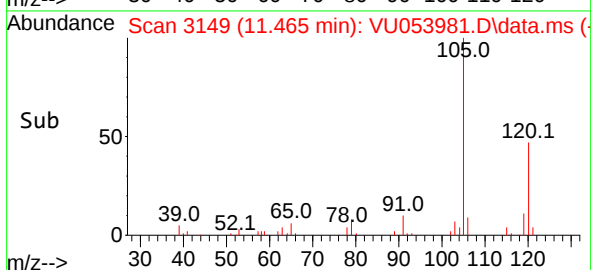
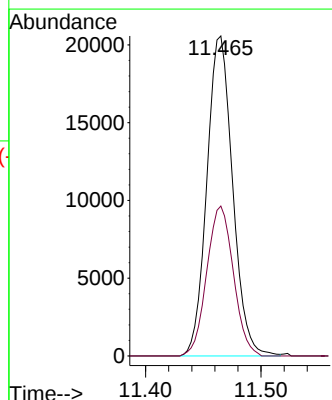
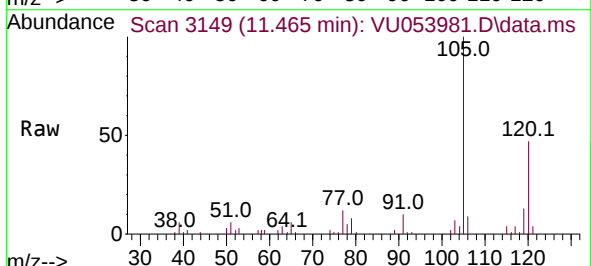
Acq: 29 Apr 2023 12:53

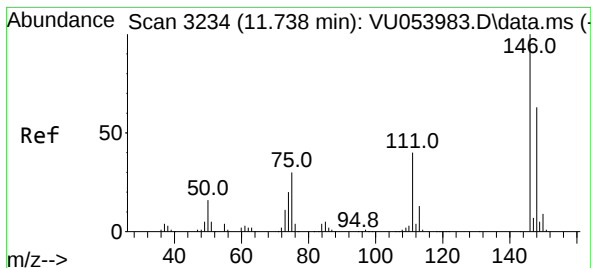
Tgt Ion:105 Resp: 31969

Ion Ratio Lower Upper

105 100

120 48.3 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 5.314 ug/L

RT: 11.745 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD005017

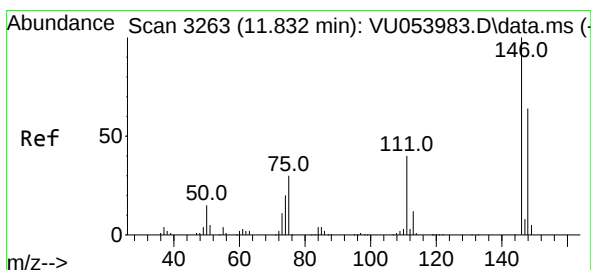
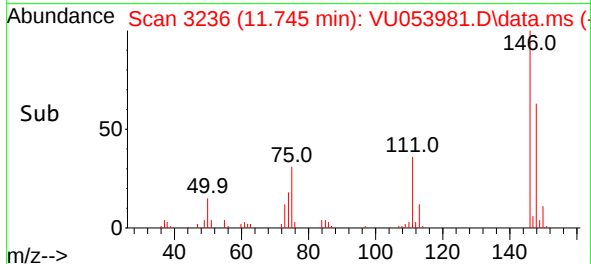
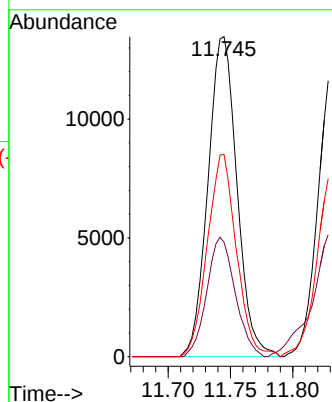
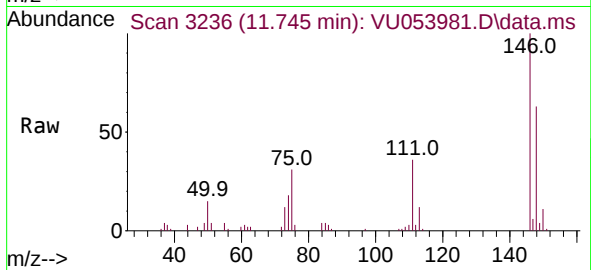
Tgt Ion:146 Resp: 21825

Ion Ratio Lower Upper

146 100

111 35.7 27.9 51.7

148 63.2 43.8 81.4



#65

1,4-Dichlorobenzene

Concen: 5.149 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU053981.D

Acq: 29 Apr 2023 12:53

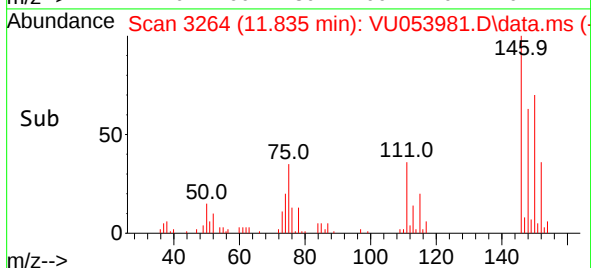
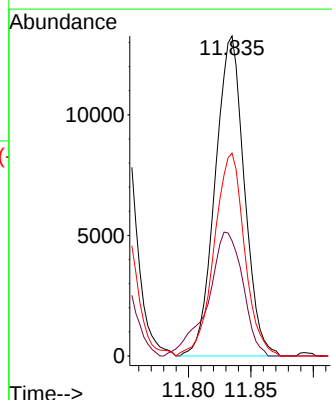
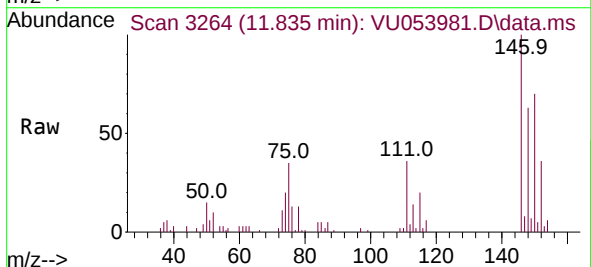
Tgt Ion:146 Resp: 21609

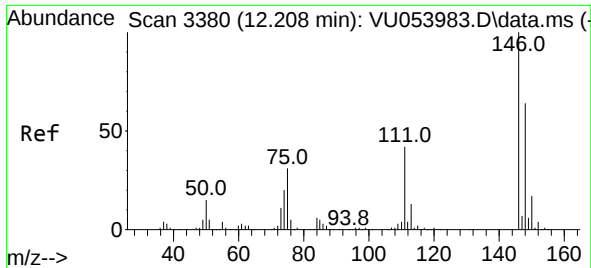
Ion Ratio Lower Upper

146 100

111 36.0 27.9 51.7

148 63.4 44.9 83.3

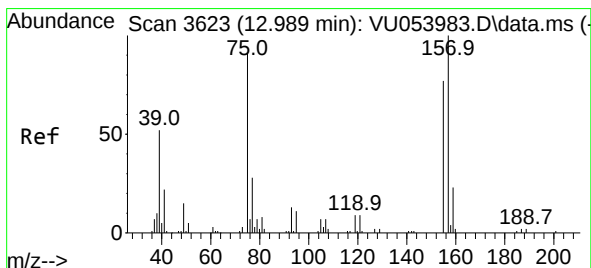
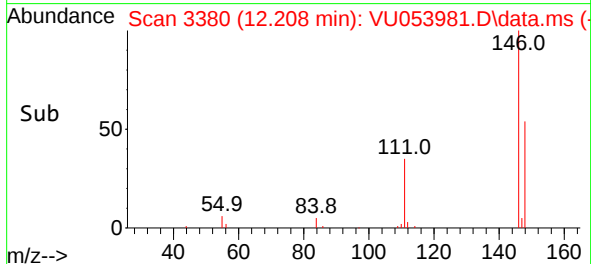
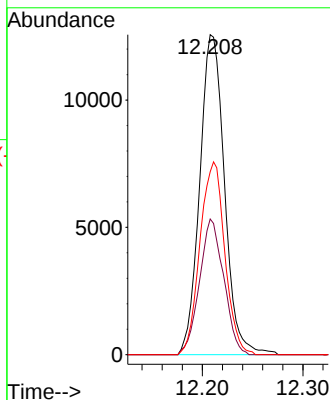
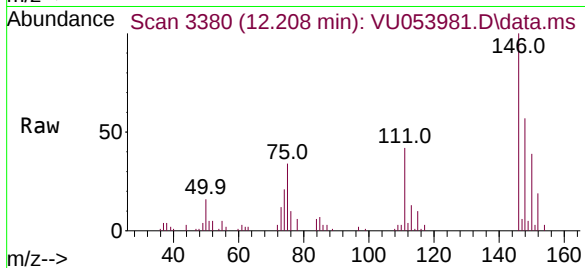




#67
1,2-Dichlorobenzene
Concen: 5.247 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

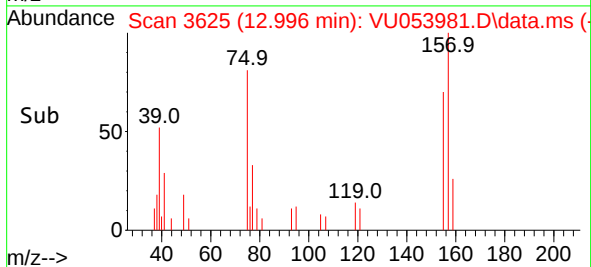
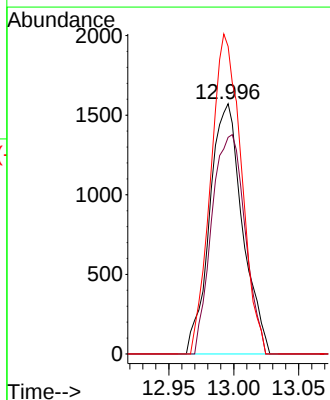
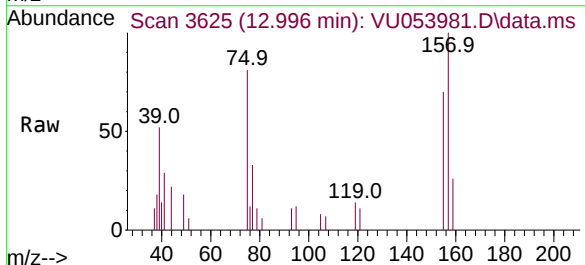
Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

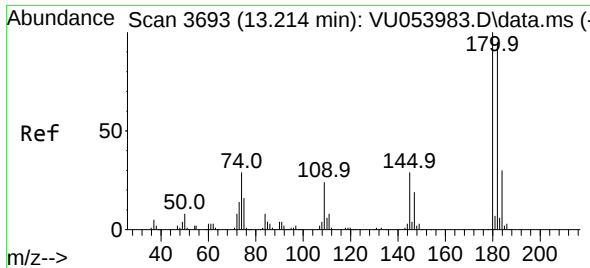
Tgt Ion:146 Resp: 21537
Ion Ratio Lower Upper
146 100
111 42.4 33.4 50.0
148 57.2 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 5.106 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.007 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion: 75 Resp: 2762
Ion Ratio Lower Upper
75 100
155 86.6 67.8 101.6
157 122.9 88.3 132.5

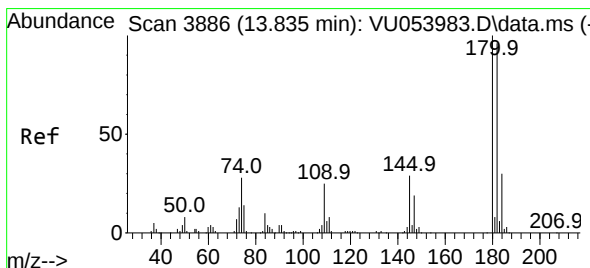
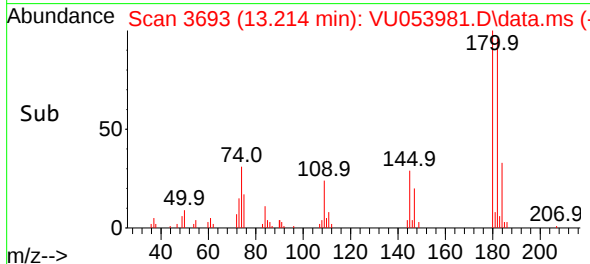
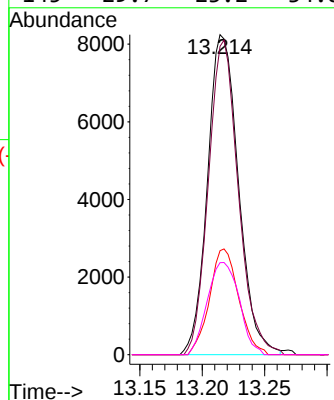
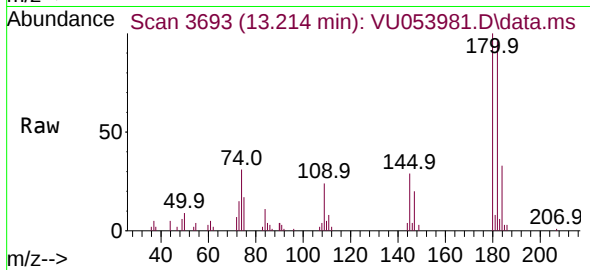




#69
 1,3,5-Trichlorobenzene
 Concen: 4.705 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

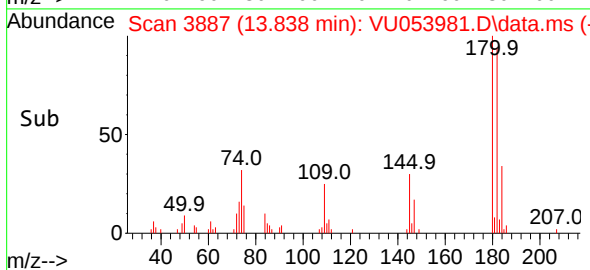
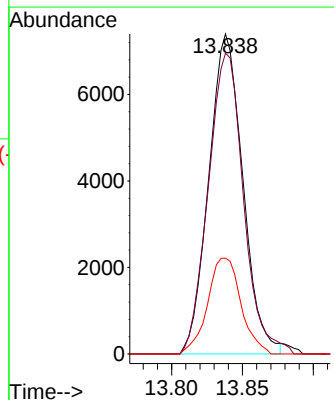
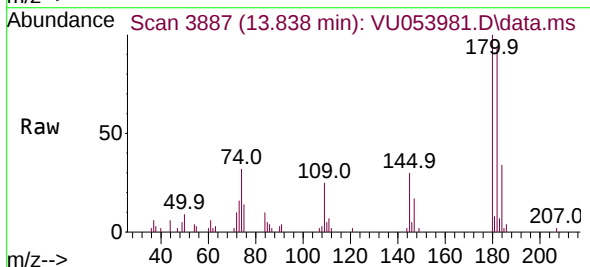
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005017

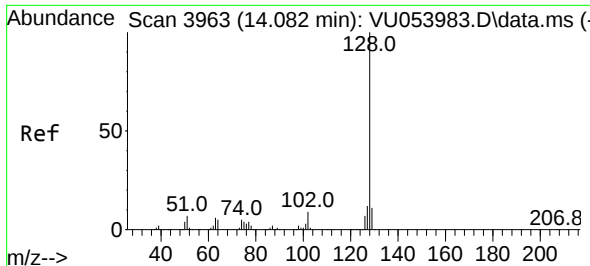
Tgt Ion:180	Resp:	14256
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.0 114.0
184	31.2	24.2 36.2
145	29.7	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.399 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053981.D
 Acq: 29 Apr 2023 12:53

Tgt Ion:180	Resp:	12347
Ion Ratio	Lower	Upper
180	100	
182	97.1	77.4 116.2
145	29.4	23.8 35.8

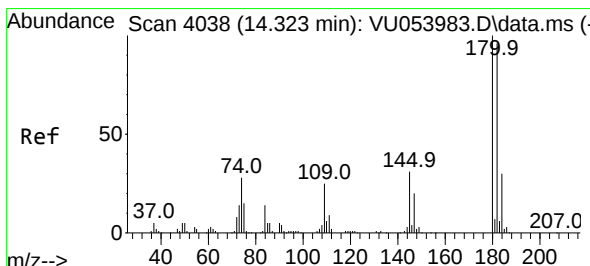
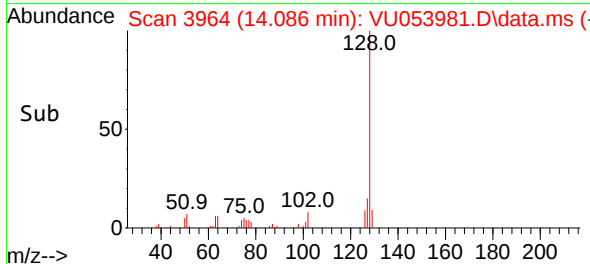
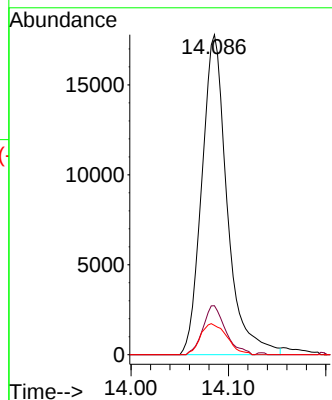
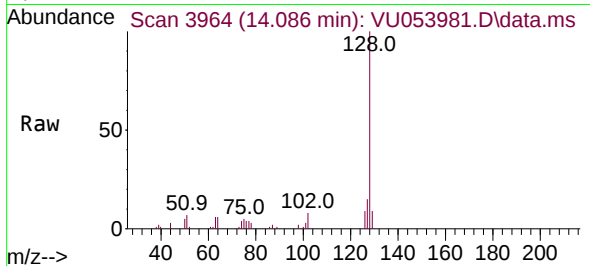




#71
Naphthalene
Concen: 3.839 ug/L
RT: 14.086 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD005017

Tgt Ion:128	Resp:	32127
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.0 15.0
129	10.1	8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 4.294 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053981.D
Acq: 29 Apr 2023 12:53

Tgt Ion:180	Resp:	12047
Ion Ratio	Lower	Upper
180	100	
182	91.8	76.6 114.8
145	33.4	24.9 37.3

