

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054379.D
 Acq On : 01 Jun 2023 17:30
 Operator : JC/MD
 Sample : VSTD10026
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100026

Quant Time: Jun 02 01:31:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	353129	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	350731	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	207403	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	291200	106.121	ug/L	0.00
7) Chloroethane-d5	1.906	69	180754	96.673	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.559	65	118612	106.440	ug/L	0.00
21) 2-Butanone-d5	4.620	46	483819	220.026	ug/L	0.00
24) Chloroform-d	5.057	84	512835	108.171	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	314319	107.151	ug/L	0.00
32) Benzene-d6	5.723	84	1020348	108.557	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	334710	106.250	ug/L	0.00
41) Toluene-d8	7.893	98	934198	109.856	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	162272	109.588	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	340509	235.763	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	507841	107.775	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	378933	104.099	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	148685	110.913	ug/L	99
3) Chloromethane	1.520	50	175772	106.486	ug/L	100
5) Vinyl chloride	1.600	62	195939	108.314	ug/L	98
6) Bromomethane	1.851	94	93253	101.547	ug/L	98
8) Chloroethane	1.925	64	99146	95.846	ug/L	100
9) Trichlorofluoromethane	2.128	101	290204	109.408	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	192492	110.335	ug/L	99
12) 1,1-Dichloroethene	2.571	96	160909	110.218	ug/L	94
13) Acetone	2.633	43	292566	194.376	ug/L	99
14) Carbon disulfide	2.787	76	293418	109.053	ug/L	99
15) Methyl Acetate	2.944	43	270601	109.041	ug/L	98
16) Methylene chloride	3.041	84	212522	97.788	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	165388	112.741	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	683128	113.378	ug/L	99
19) 1,1-Dichloroethane	3.861	63	384623	112.473	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	220082	112.673	ug/L	98
22) 2-Butanone	4.700	43	425065	219.137	ug/L	100
23) Bromochloromethane	4.970	128	113682	112.628	ug/L	96
25) Chloroform	5.083	83	408590	112.087	ug/L	100
27) 1,2-Dichloroethane	5.787	62	295449	111.111	ug/L	98
29) Cyclohexane	5.382	56	256403	113.833	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	330288	111.916	ug/L	98
31) Carbon tetrachloride	5.520	117	270900	111.129	ug/L	98
33) Benzene	5.768	78	795655	112.325	ug/L	100
34) Trichloroethene	6.536	95	205450	109.117	ug/L	99
35) Methylcyclohexane	6.758	83	264461	113.887	ug/L	99
37) 1,2-Dichloropropane	6.784	63	237134	113.241	ug/L	99
38) Bromodichloromethane	7.099	83	304745	110.312	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	364407	112.645	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	777827	232.933	ug/L	100
42) Toluene	7.964	91	855482	114.517	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	367463	116.610	ug/L	99

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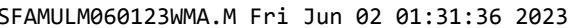
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100026

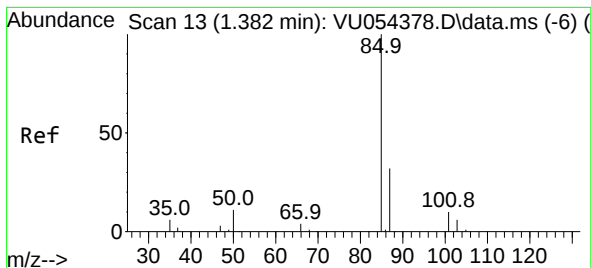
Quant Time: Jun 02 01:31:28 2023
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	242730	109.555	ug/L	99
46) Tetrachloroethene	8.549	164	151227	109.052	ug/L	98
48) 2-Hexanone	8.681	43	619326	227.584	ug/L	100
49) Dibromochloromethane	8.806	129	242746	114.009	ug/L	100
50) 1,2-Dibromoethane	8.919	107	250759	110.317	ug/L	98
51) Chlorobenzene	9.443	112	574711	109.692	ug/L	98
52) Ethylbenzene	9.565	91	973982	115.362	ug/L	99
53) m,p-Xylene	9.690	106	367603	116.046	ug/L	98
54) o-Xylene	10.095	106	370536	117.753	ug/L	99
55) Styrene	10.108	104	665243	121.028	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	437501	111.627	ug/L	99
59) Bromoform	10.285	173	204613	110.648	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	337850	106.949	ug/L	99
61) Isopropylbenzene	10.478	105	997045	112.540	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	843799	118.405	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	841199	119.215	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	496622	109.463	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	503664	104.811	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	507468	107.708	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	100930	110.950	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	370575	109.555	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	350274	110.125	ug/L	100
71) Naphthalene	14.082	128	1200326	120.159	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	361036	111.519	ug/L	99

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

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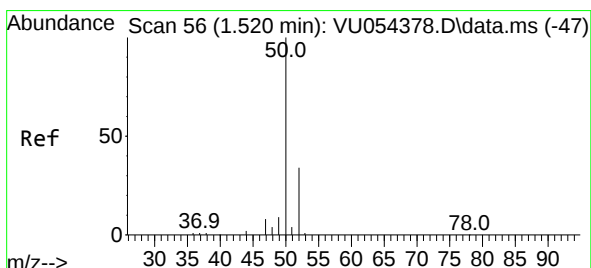
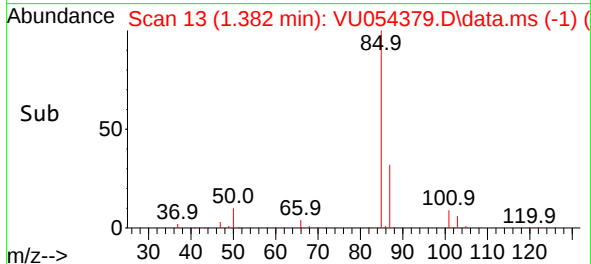
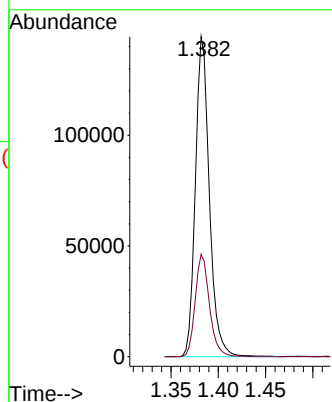
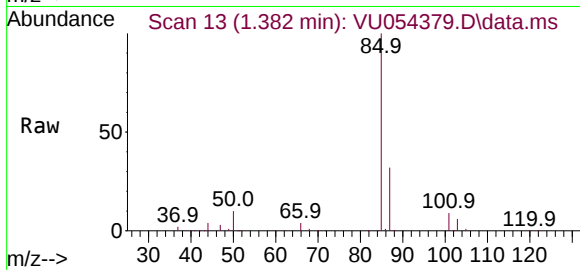




#2
 Dichlorodifluoromethane
 Concen: 110.913 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

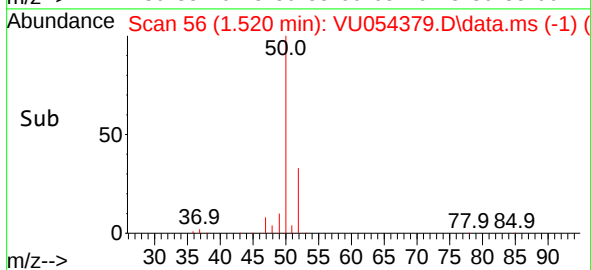
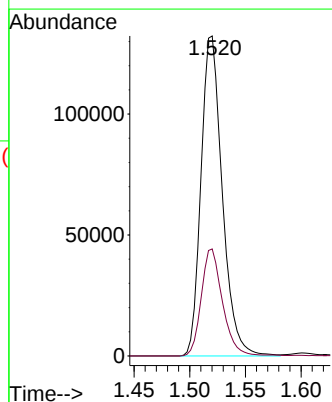
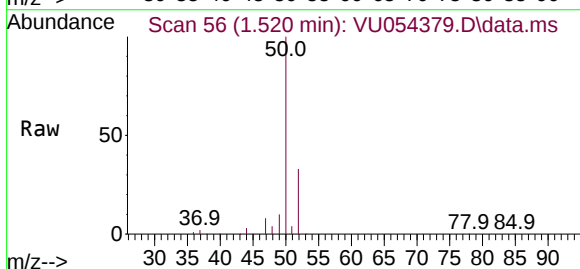
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100026

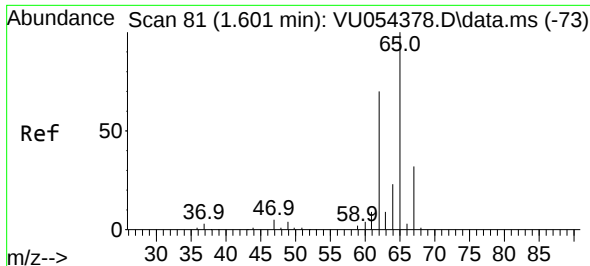
Tgt Ion: 85 Resp: 148685
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.5 38.3



#3
 Chloromethane
 Concen: 106.486 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

Tgt Ion: 50 Resp: 175772
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.6

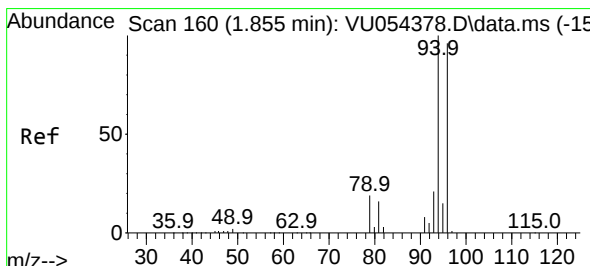
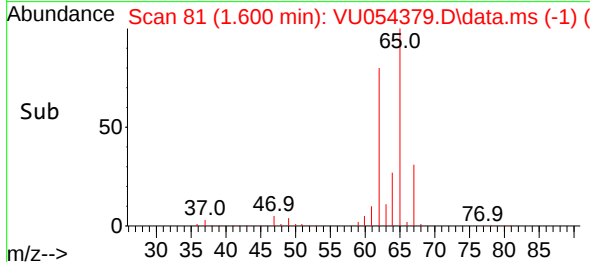
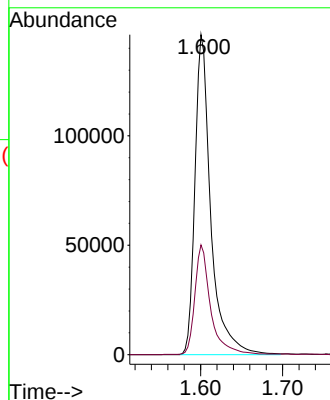
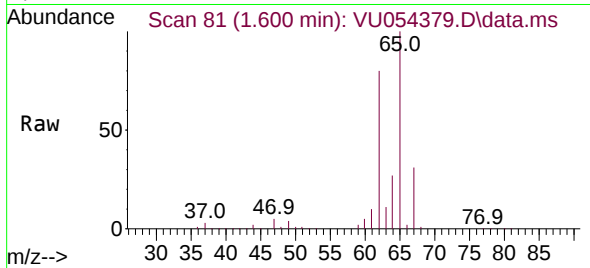




#5
 Vinyl chloride
 Concen: 108.314 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

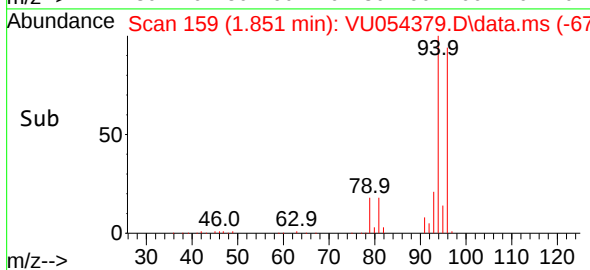
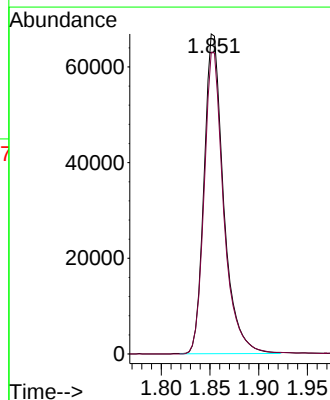
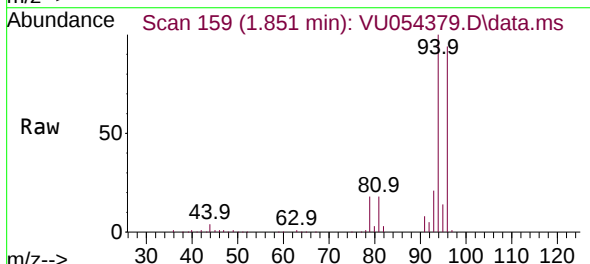
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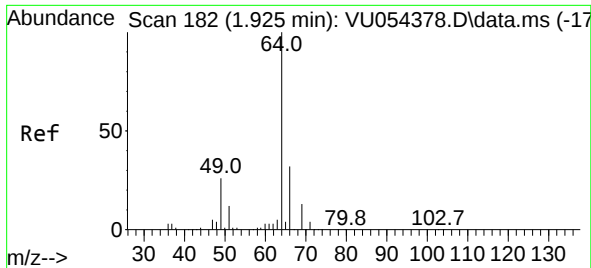
Tgt Ion: 62 Resp: 195939
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.4 43.4



#6
 Bromomethane
 Concen: 101.547 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

Tgt Ion: 94 Resp: 93253
 Ion Ratio Lower Upper
 94 100
 96 94.3 67.1 124.7

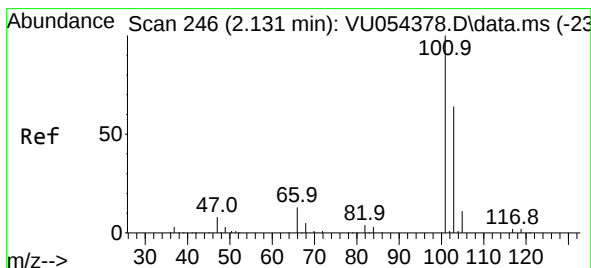
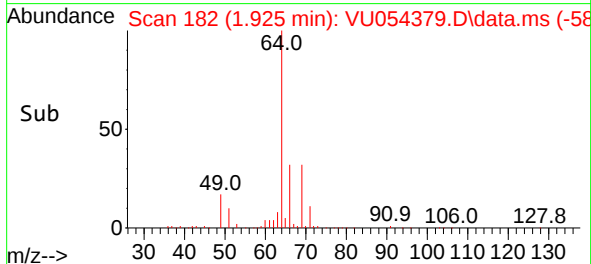
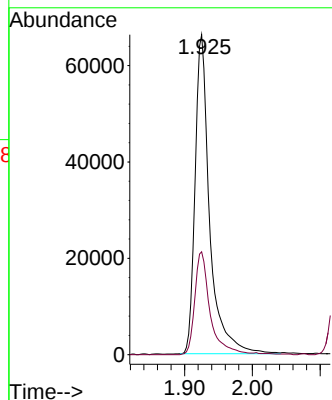
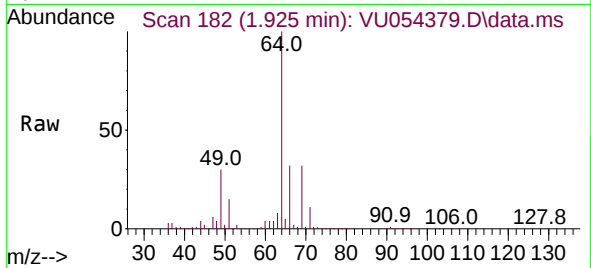




#8
Chloroethane
Concen: 95.846 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

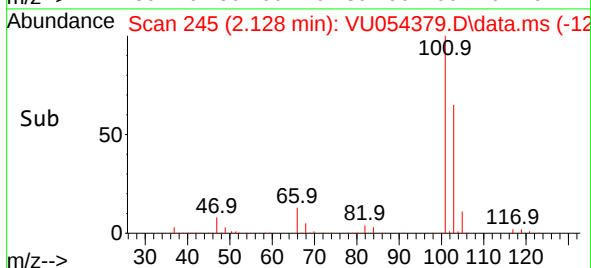
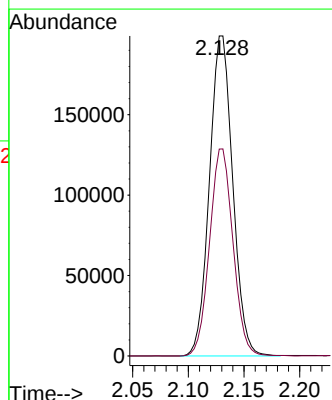
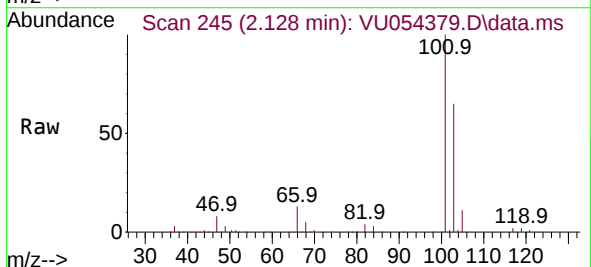
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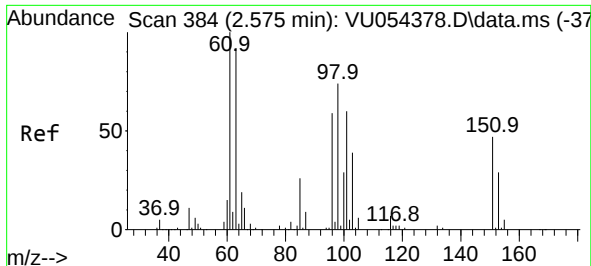
Tgt Ion: 64 Resp: 99146
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 109.408 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion:101 Resp: 290204
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 110.335 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

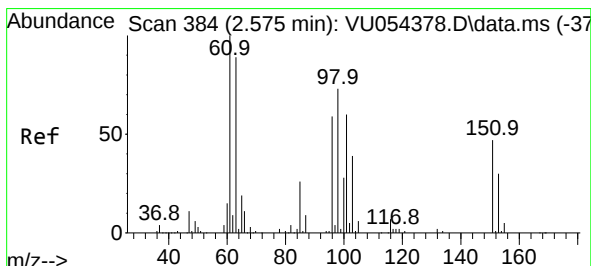
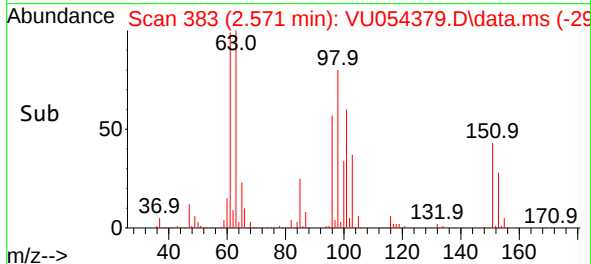
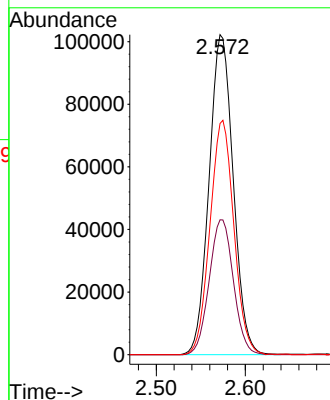
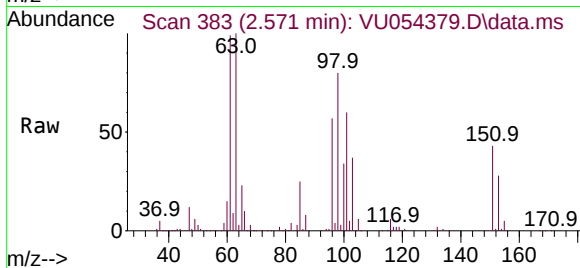
Tgt Ion:101 Resp: 192492

Ion Ratio Lower Upper

101 100

85 42.2 34.0 51.0

151 72.5 58.6 87.8



#12

1,1-Dichloroethene

Concen: 110.218 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

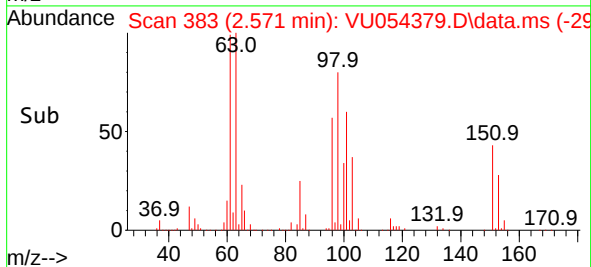
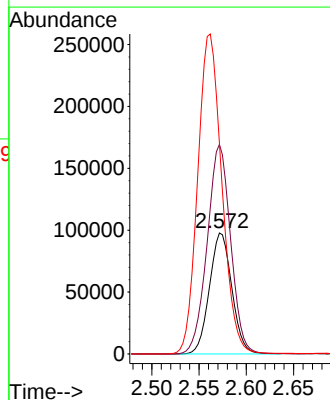
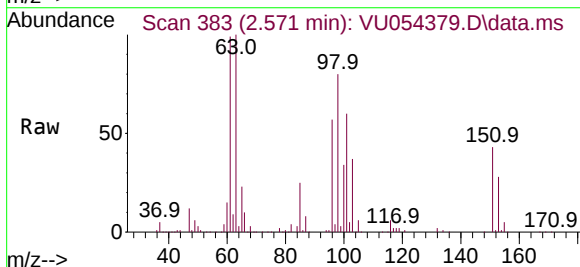
Tgt Ion: 96 Resp: 160909

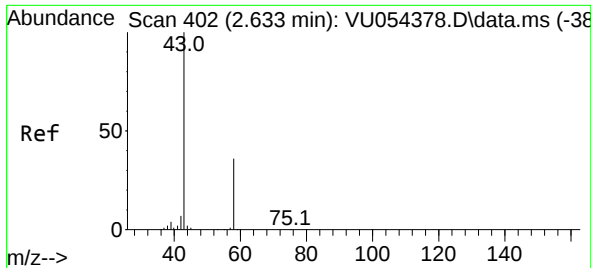
Ion Ratio Lower Upper

96 100

61 173.3 120.0 222.8

63 174.7 112.9 209.7





#13

Acetone

Concen: 194.376 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

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Instrument :

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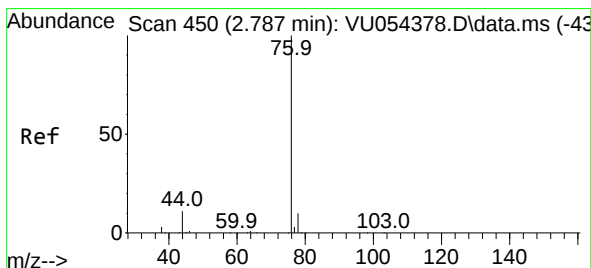
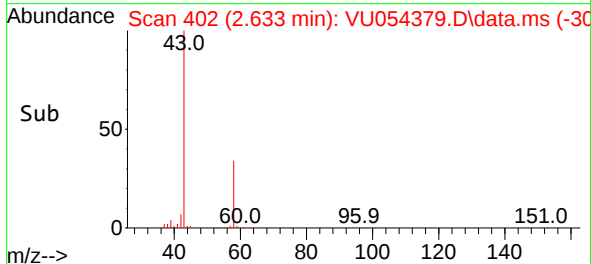
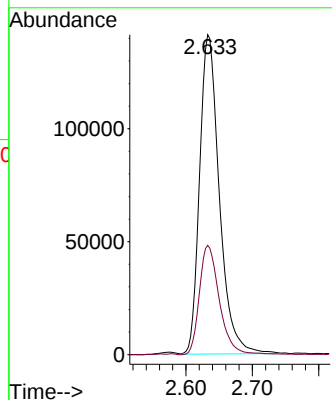
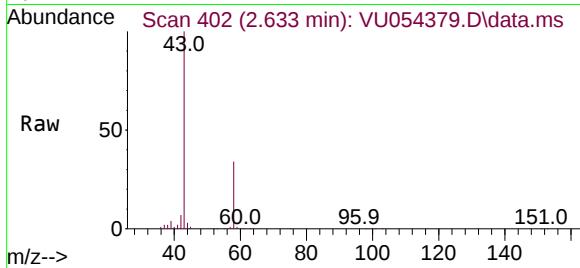
VSTD100026

Tgt Ion: 43 Resp: 292566

Ion Ratio Lower Upper

43 100

58 34.4 0.0 70.0



#14

Carbon disulfide

Concen: 109.053 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU054379.D

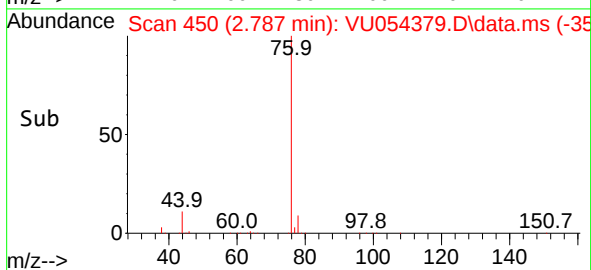
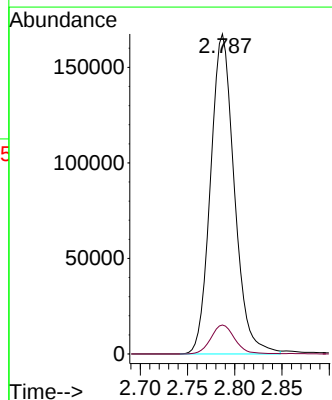
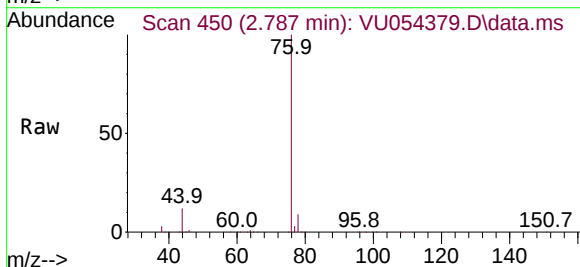
Acq: 01 Jun 2023 17:30

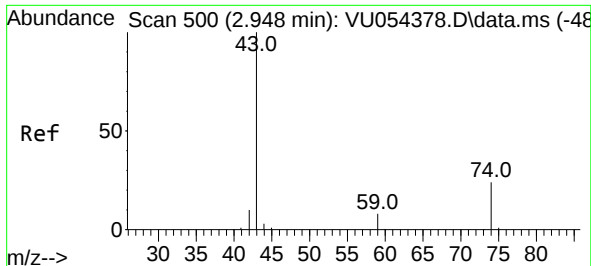
Tgt Ion: 76 Resp: 293418

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

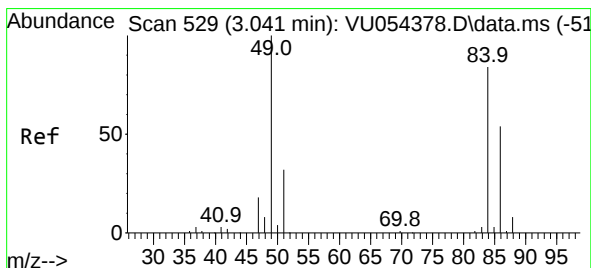
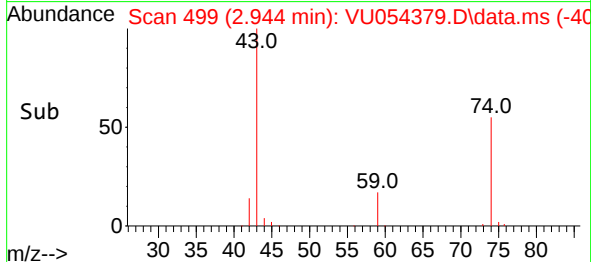
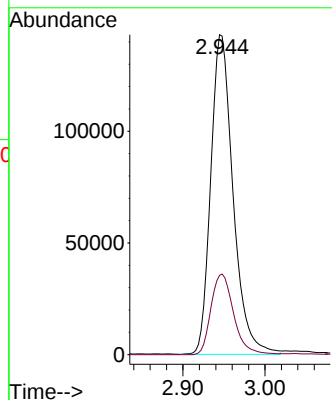
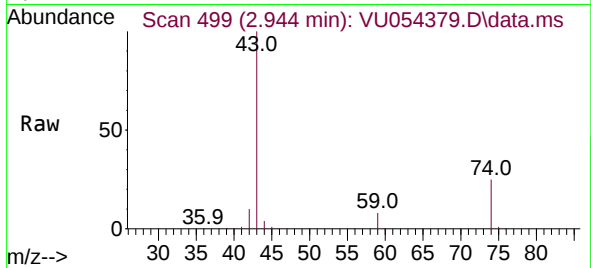




#15
Methyl Acetate
Concen: 109.041 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

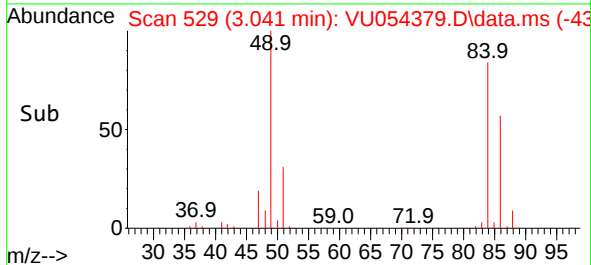
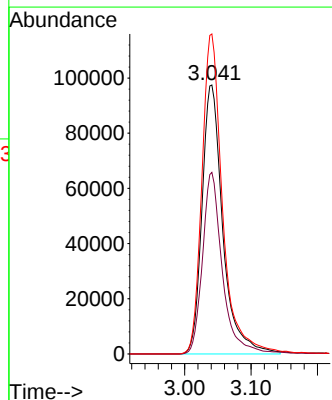
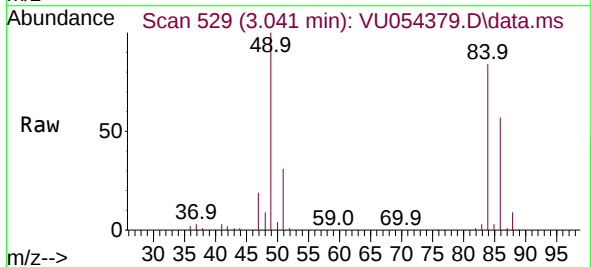
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

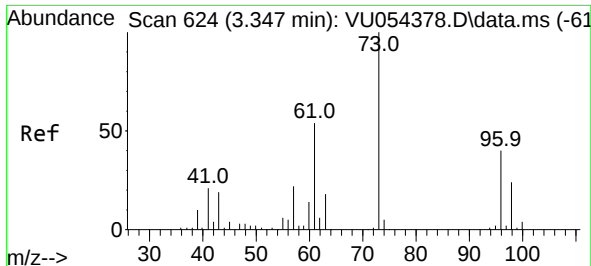
Tgt Ion: 43 Resp: 270601
Ion Ratio Lower Upper
43 100
74 25.6 19.8 29.6



#16
Methylene chloride
Concen: 97.788 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 84 Resp: 212522
Ion Ratio Lower Upper
84 100
86 67.6 44.8 83.2
49 119.0 83.3 154.7

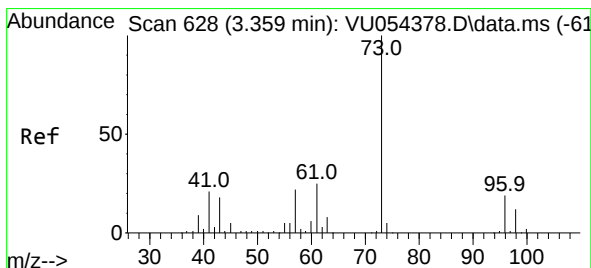
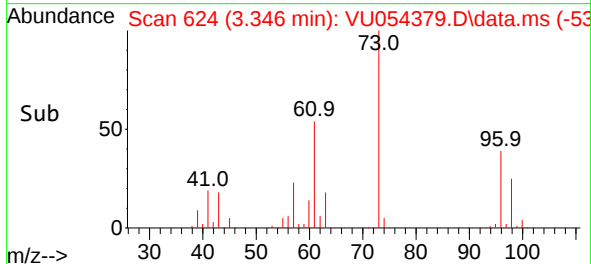
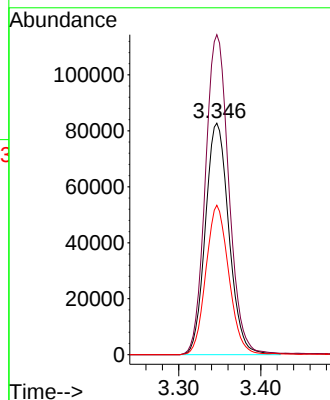
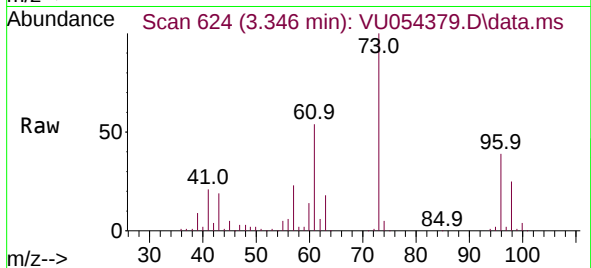




#17
trans-1,2-Dichloroethene
Concen: 112.741 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

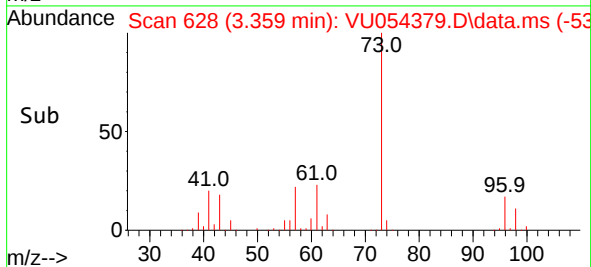
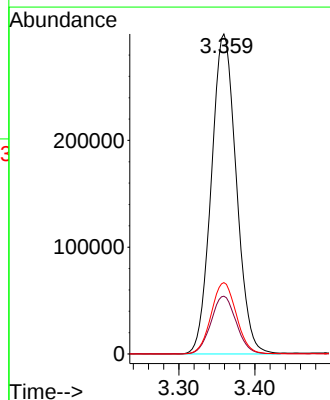
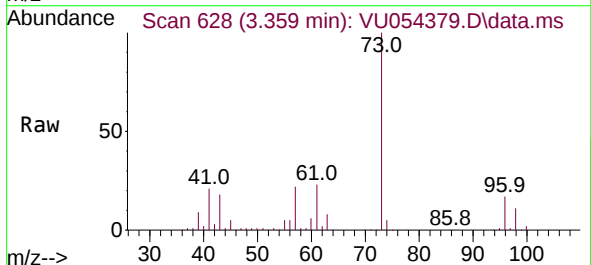
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

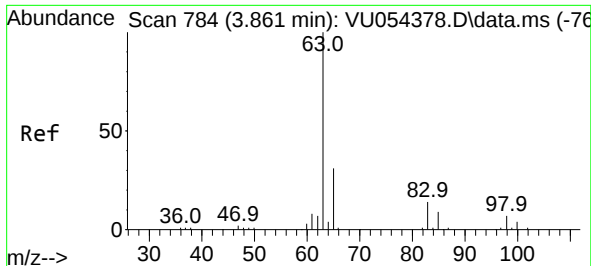
Tgt Ion: 96 Resp: 165388
Ion Ratio Lower Upper
96 100
61 138.2 95.3 177.1
98 64.5 42.6 79.0



#18
Methyl tert-butyl Ether
Concen: 113.378 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 73 Resp: 683128
Ion Ratio Lower Upper
73 100
43 18.2 15.1 22.7
57 22.6 18.0 27.0





#19

1,1-Dichloroethane

Concen: 112.473 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

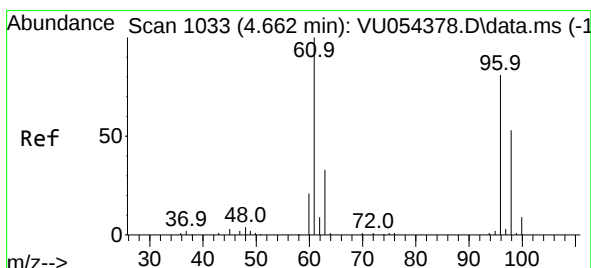
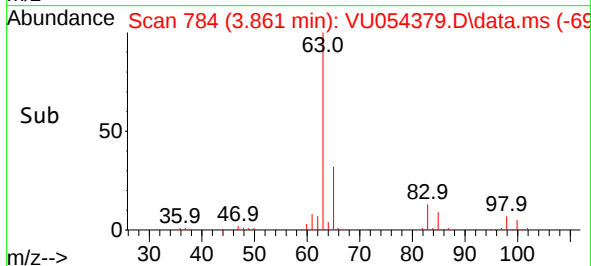
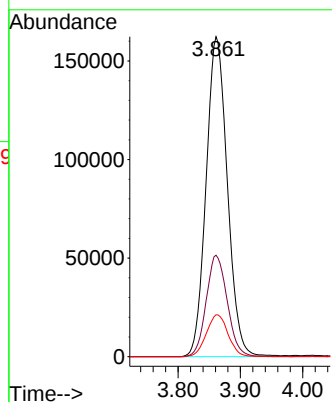
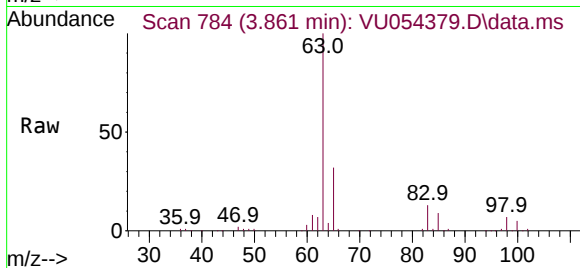
Tgt Ion: 63 Resp: 384623

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.1 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 112.673 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

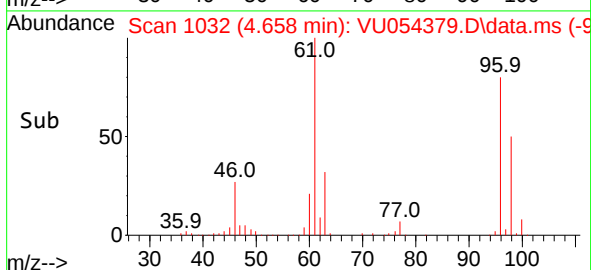
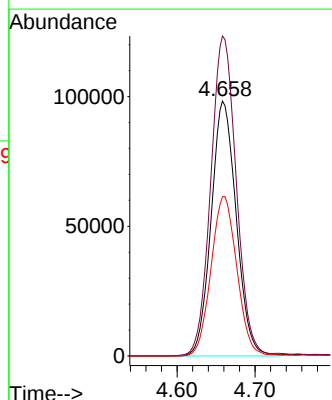
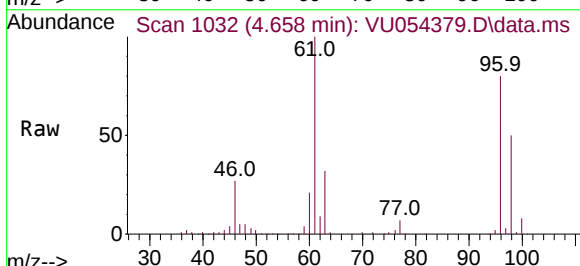
Tgt Ion: 96 Resp: 220082

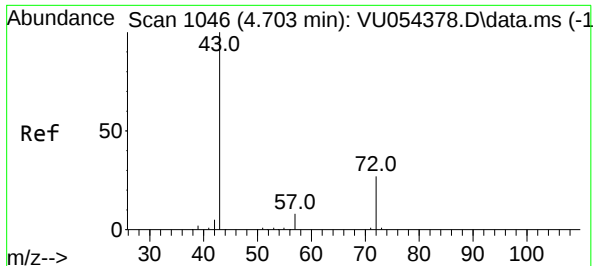
Ion Ratio Lower Upper

96 100

61 125.6 86.5 160.7

98 62.5 45.4 84.4





#22

2-Butanone

Concen: 219.137 ug/L

RT: 4.700 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

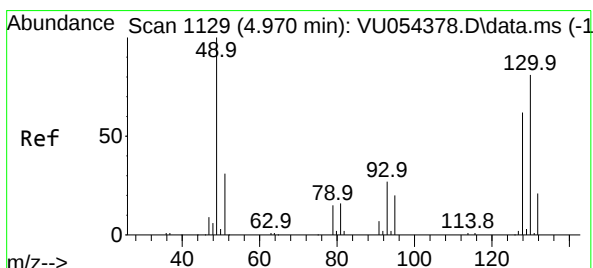
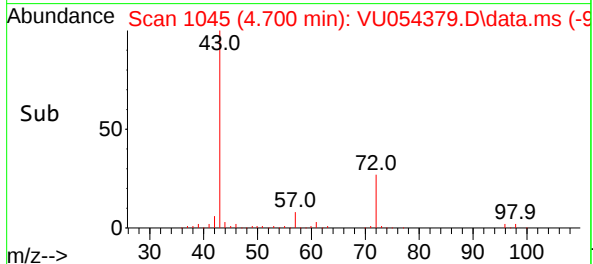
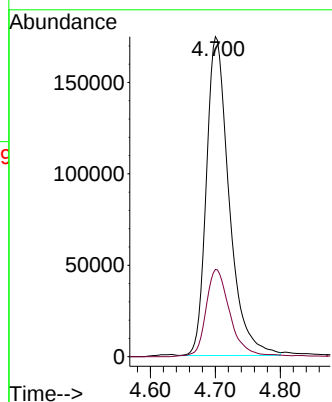
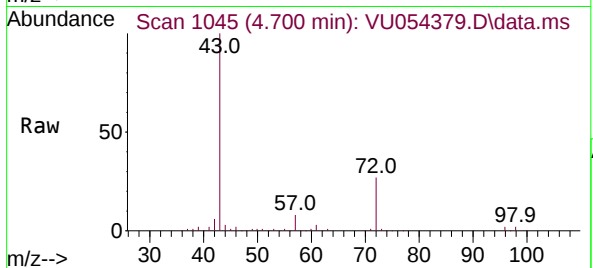
VSTD100026

Tgt Ion: 43 Resp: 425065

Ion Ratio Lower Upper

43 100

72 28.7 14.4 43.4



#23

Bromochloromethane

Concen: 112.628 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Tgt Ion:128 Resp: 113682

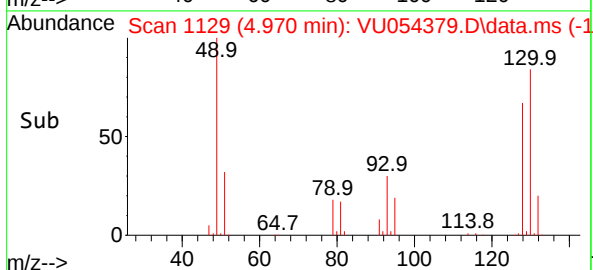
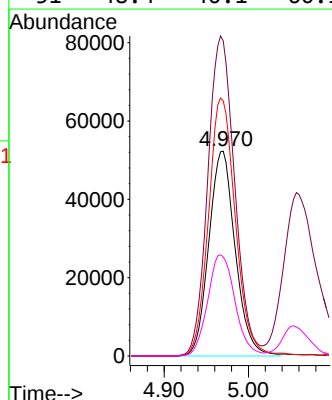
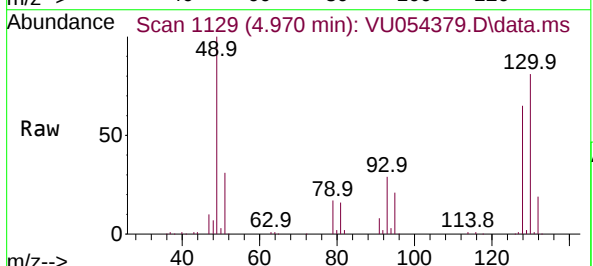
Ion Ratio Lower Upper

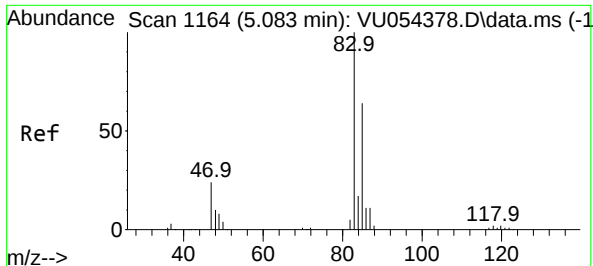
128 100

49 153.8 112.6 209.0

130 124.5 90.5 168.1

51 48.4 40.1 60.1





#25

Chloroform

Concen: 112.087 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

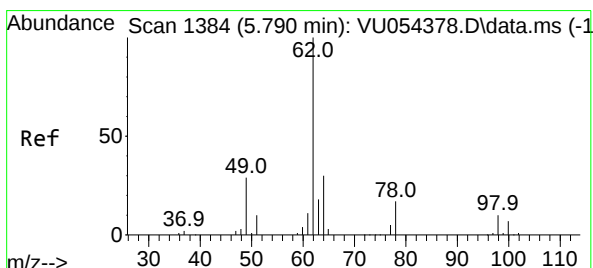
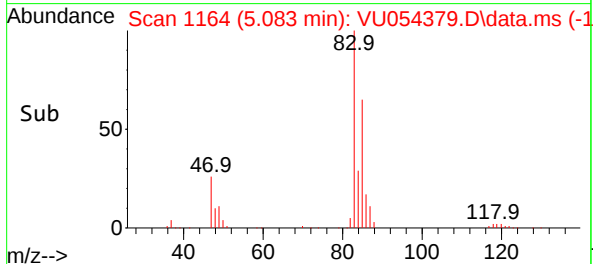
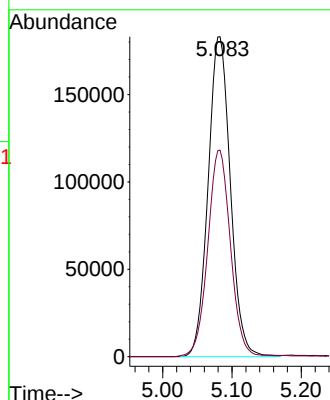
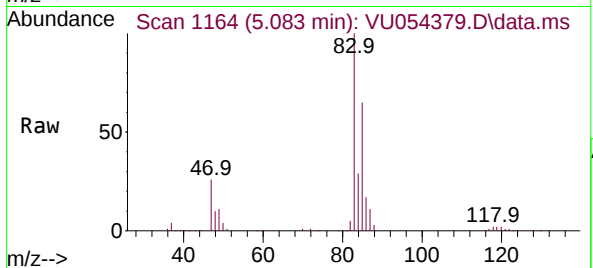
VSTD100026

Tgt Ion: 83 Resp: 408590

Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6



#27

1,2-Dichloroethane

Concen: 111.111 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054379.D

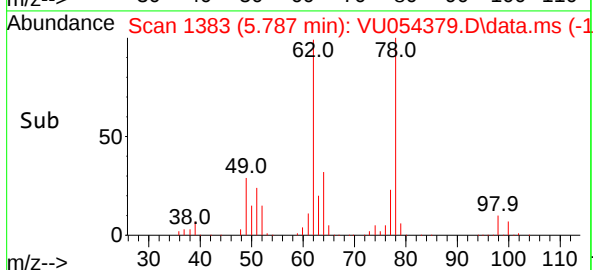
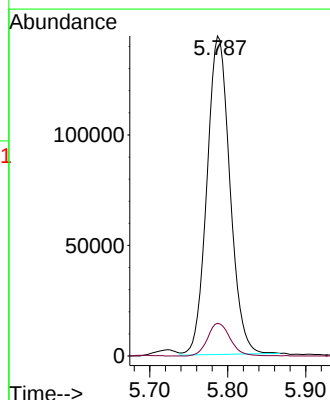
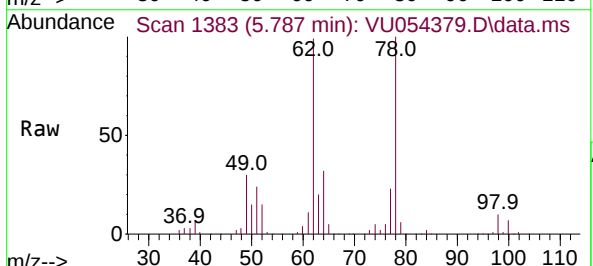
Acq: 01 Jun 2023 17:30

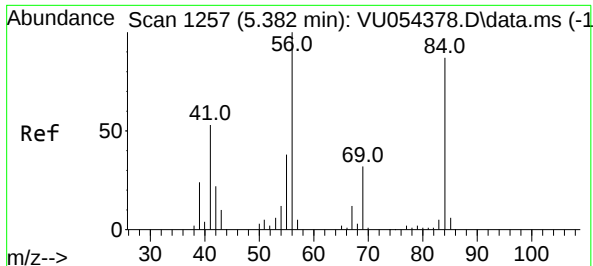
Tgt Ion: 62 Resp: 295449

Ion Ratio Lower Upper

62 100

98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 113.833 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

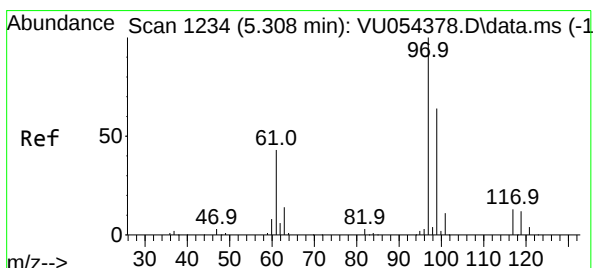
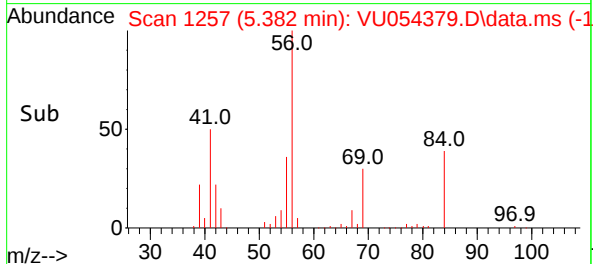
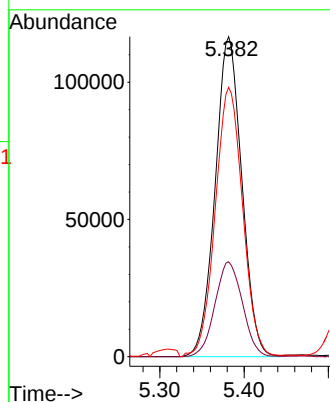
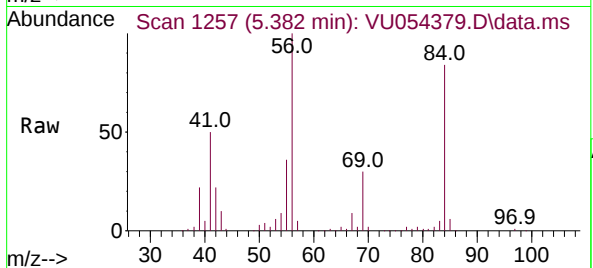
Tgt Ion: 56 Resp: 256403

Ion Ratio Lower Upper

56 100

69 30.5 24.5 36.7

84 86.2 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 111.916 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

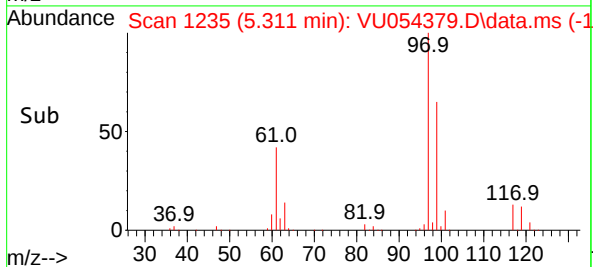
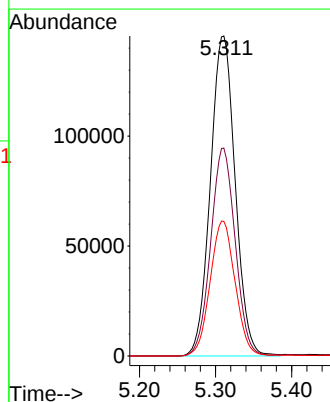
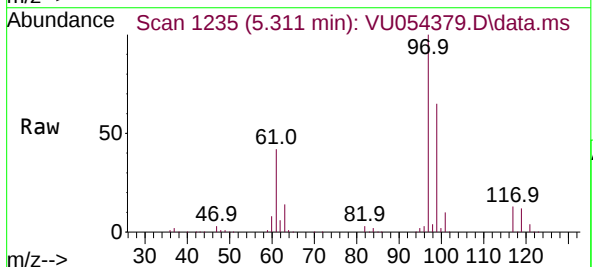
Tgt Ion: 97 Resp: 330288

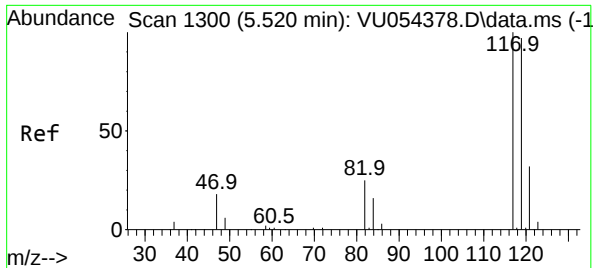
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 42.4 35.4 53.0

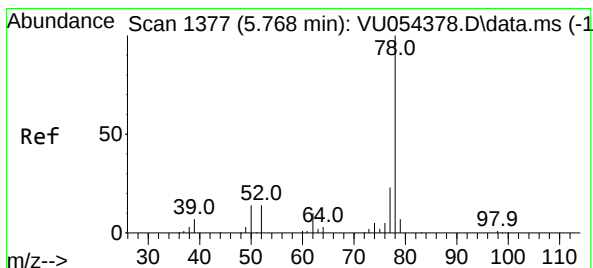
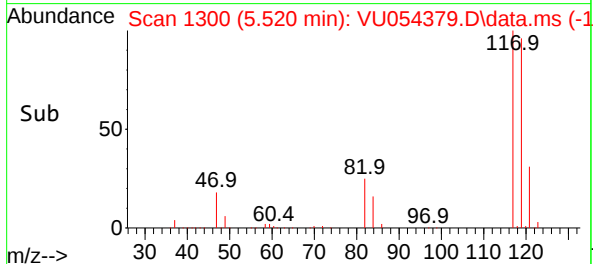
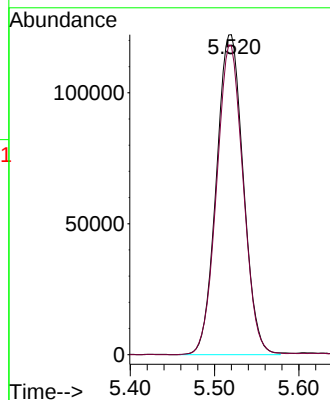
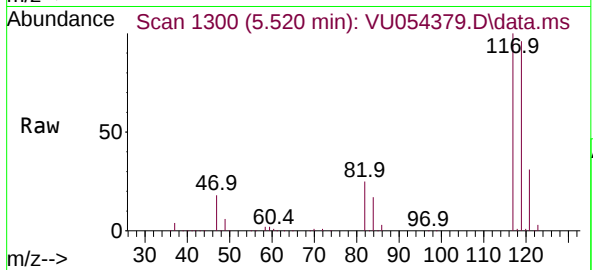




#31
Carbon tetrachloride
Concen: 111.129 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

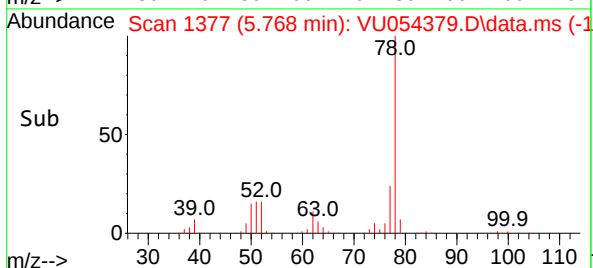
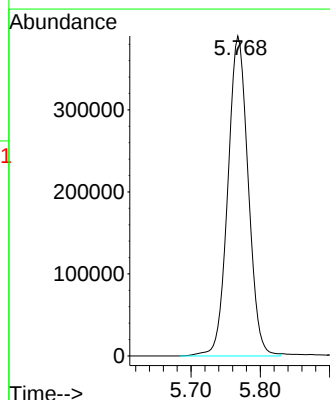
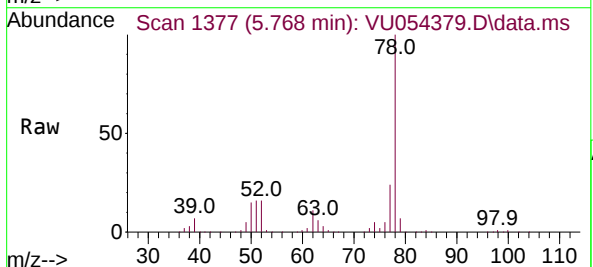
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

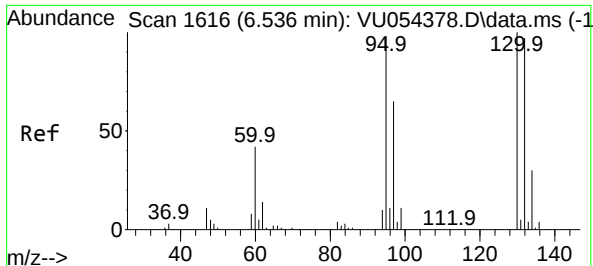
Tgt Ion:117 Resp: 270900
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1



#33
Benzene
Concen: 112.325 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 78 Resp: 795655

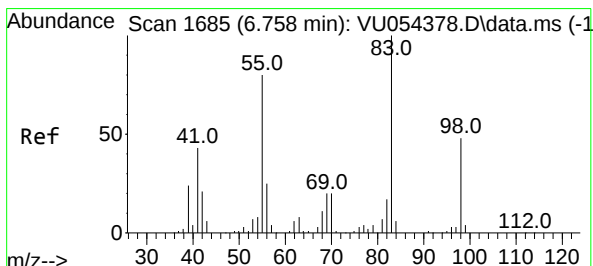
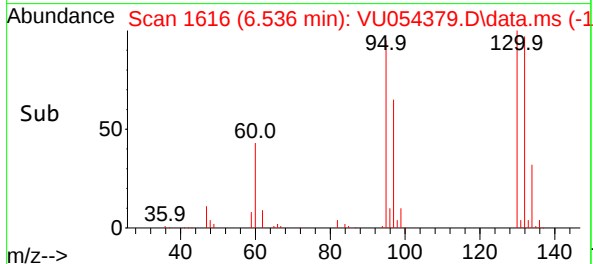
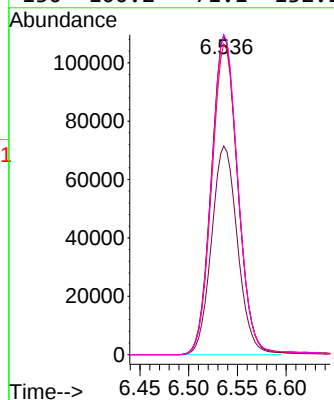
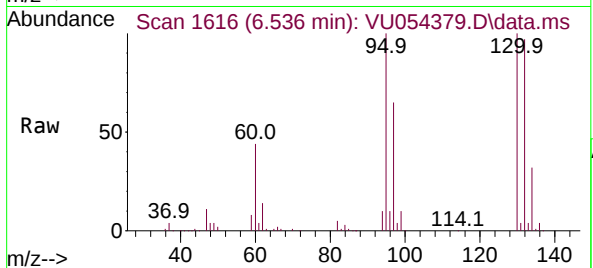




#34
Trichloroethene
Concen: 109.117 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

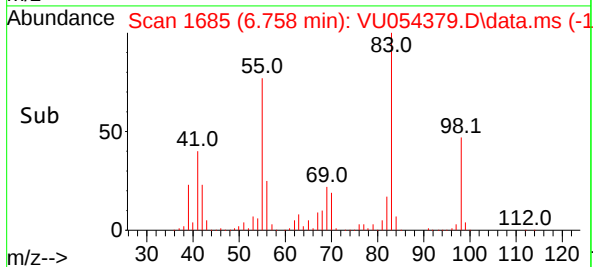
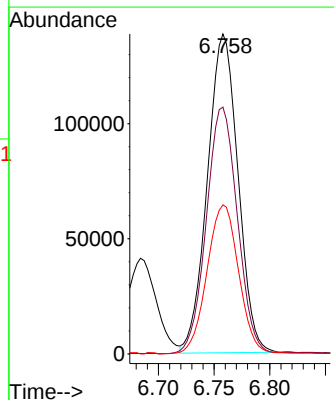
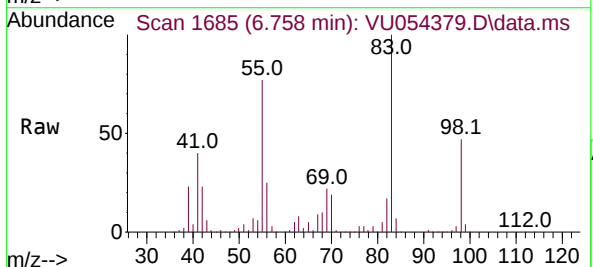
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

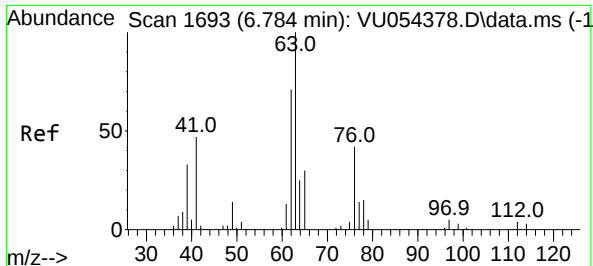
Tgt Ion: 95 Resp: 205450
Ion Ratio Lower Upper
95 100
97 65.4 45.9 85.3
132 97.3 69.3 128.7
130 100.2 71.1 132.1



#35
Methylcyclohexane
Concen: 113.887 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 83 Resp: 264461
Ion Ratio Lower Upper
83 100
55 78.5 62.7 94.1
98 48.7 37.8 56.6





#37

1,2-Dichloropropane

Concen: 113.241 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

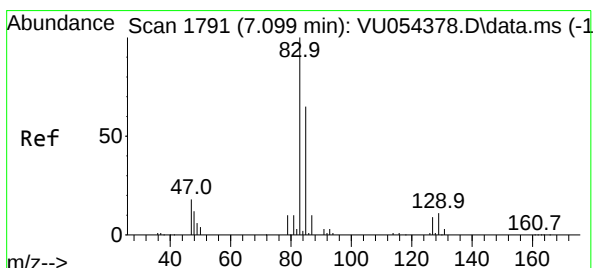
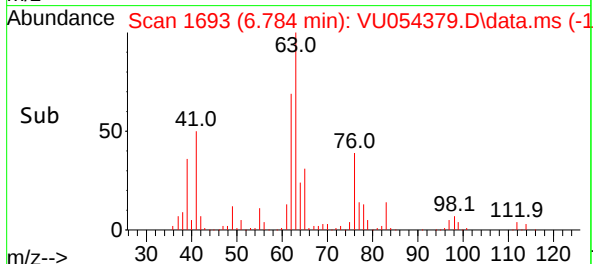
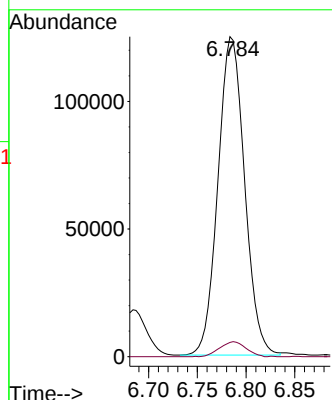
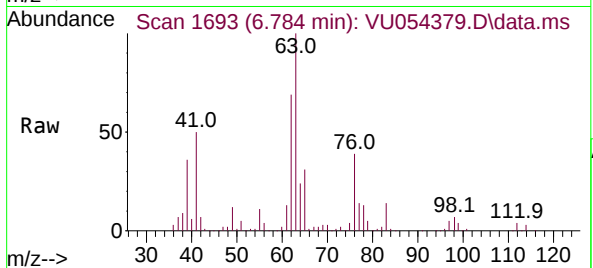
VSTD100026

Tgt Ion: 63 Resp: 237134

Ion Ratio Lower Upper

63 100

112 4.7 3.5 5.3



#38

Bromodichloromethane

Concen: 110.312 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

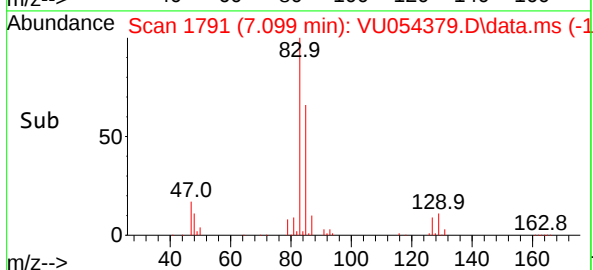
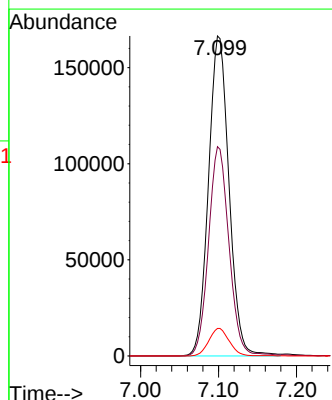
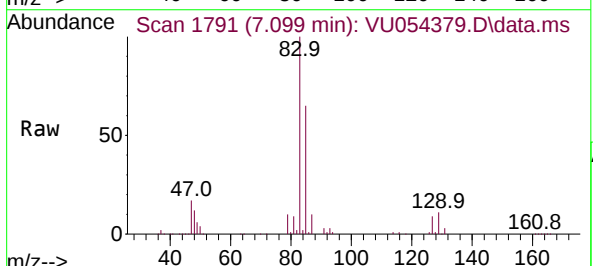
Tgt Ion: 83 Resp: 304745

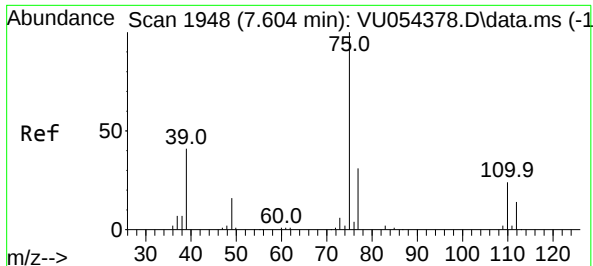
Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2

127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 112.645 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

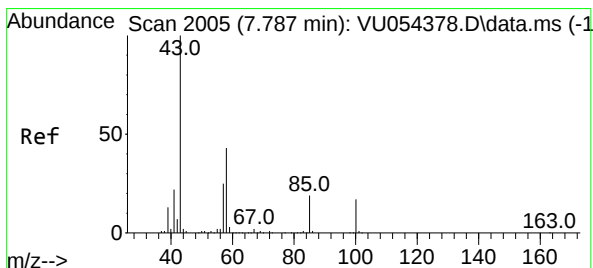
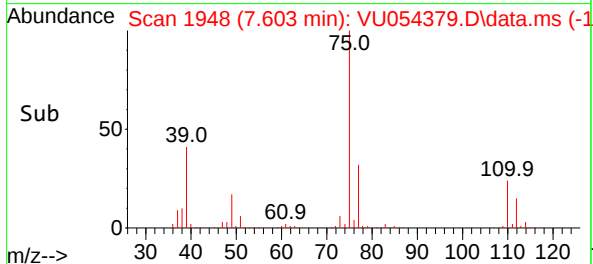
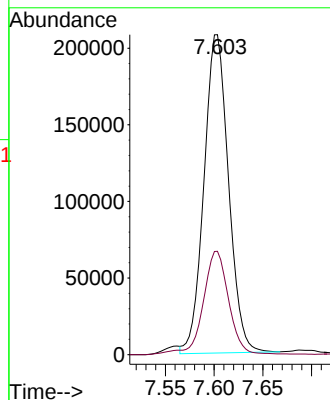
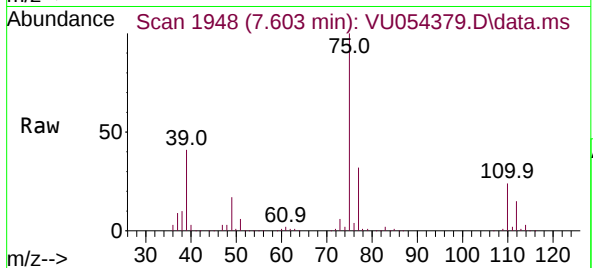
VSTD100026

Tgt Ion: 75 Resp: 364407

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 232.933 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

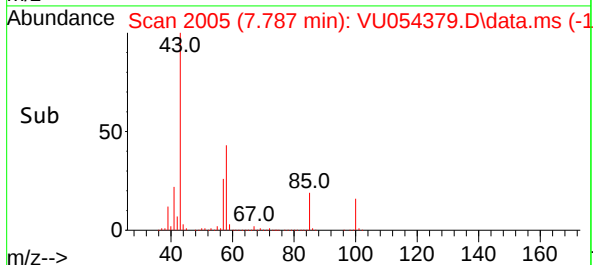
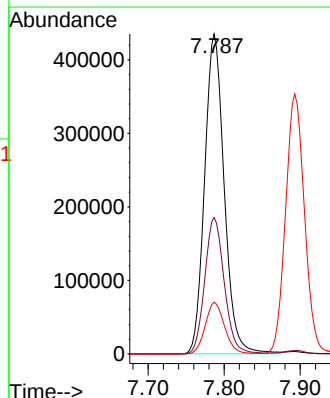
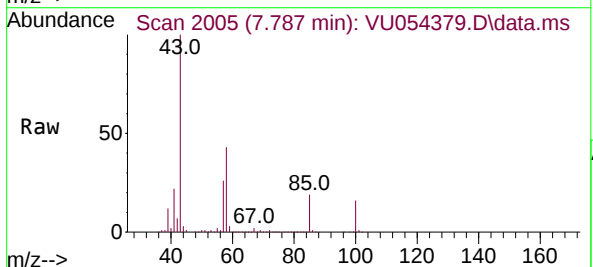
Tgt Ion: 43 Resp: 777827

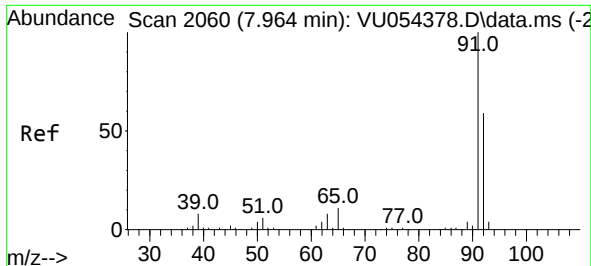
Ion Ratio Lower Upper

43 100

58 42.5 33.9 50.9

100 16.0 13.1 19.7





#42

Toluene

Concen: 114.517 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

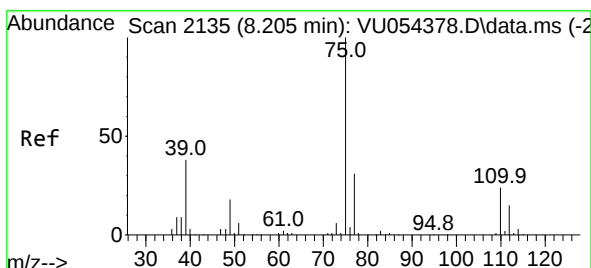
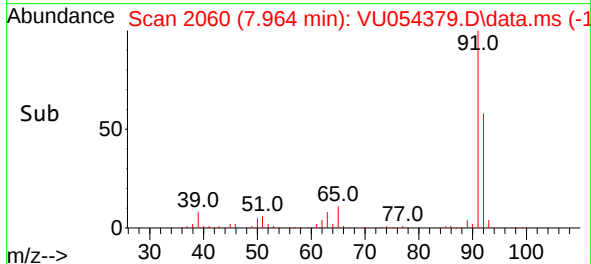
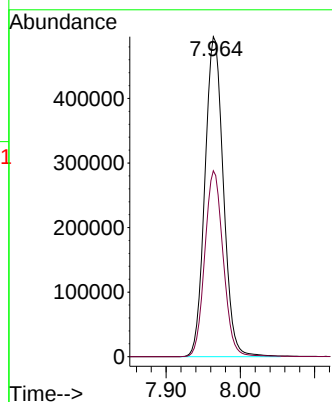
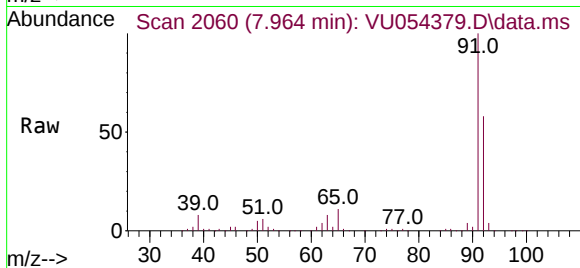
VSTD100026

Tgt Ion: 91 Resp: 855482

Ion Ratio Lower Upper

91 100

92 58.1 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 116.610 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054379.D

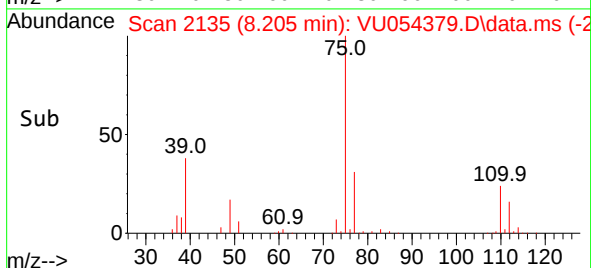
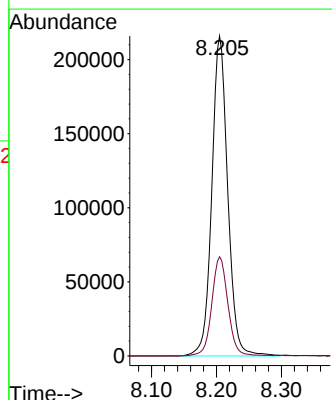
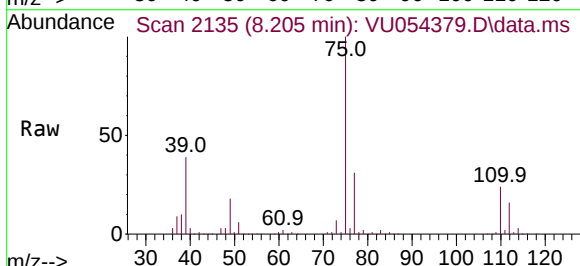
Acq: 01 Jun 2023 17:30

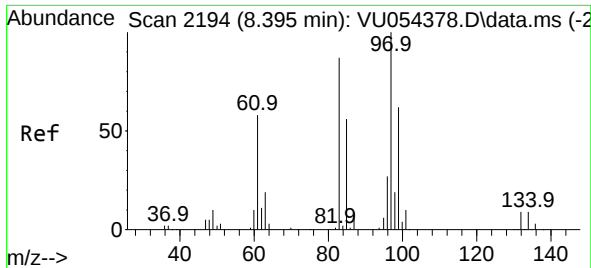
Tgt Ion: 75 Resp: 367463

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7



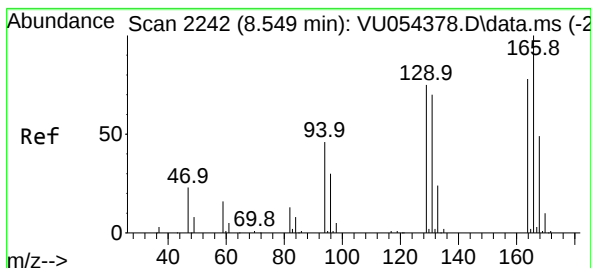
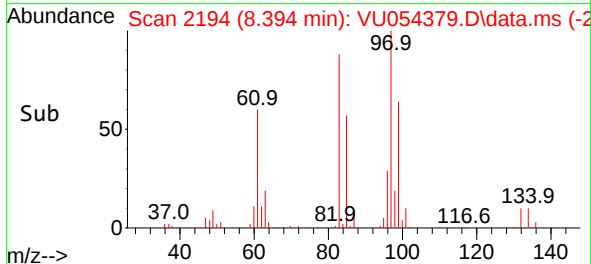
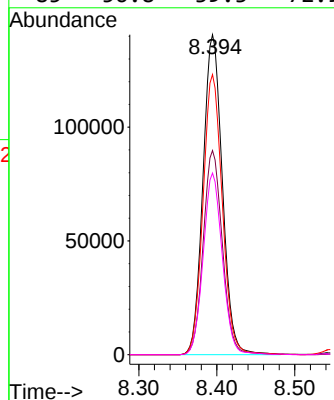
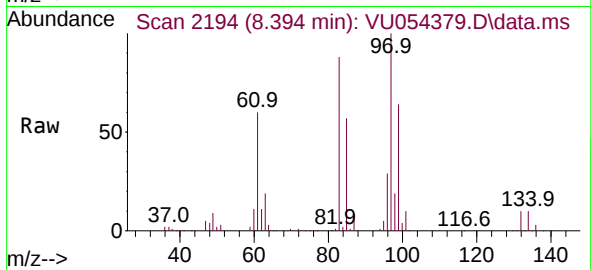


#45
1,1,2-Trichloroethane
Concen: 109.555 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

Tgt Ion: 97 Resp: 242730

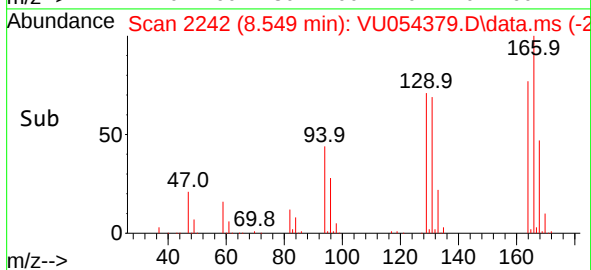
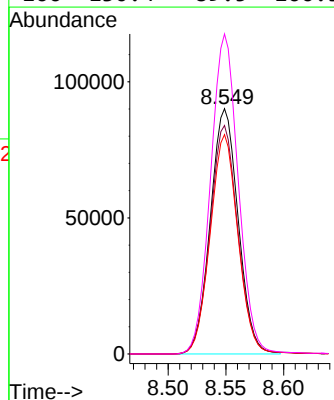
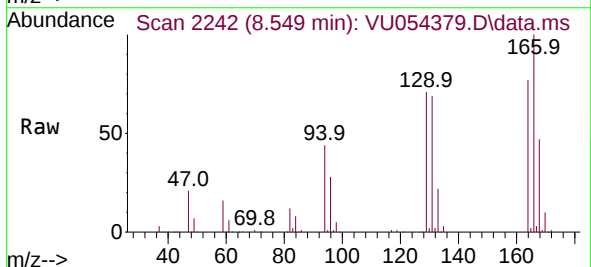
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.5	80.9
83	87.5	61.1	113.5
85	56.8	39.3	72.9

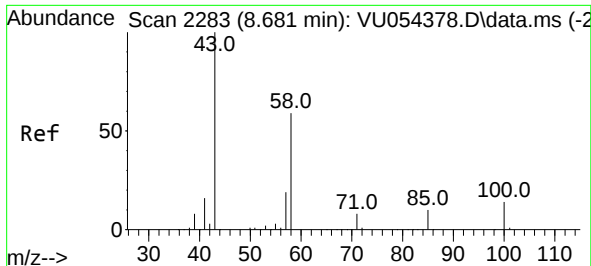


#46
Tetrachloroethene
Concen: 109.052 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 164 Resp: 151227

Ion	Ratio	Lower	Upper
164	100		
129	93.1	67.5	125.3
131	89.4	62.8	116.6
166	130.4	89.5	166.3

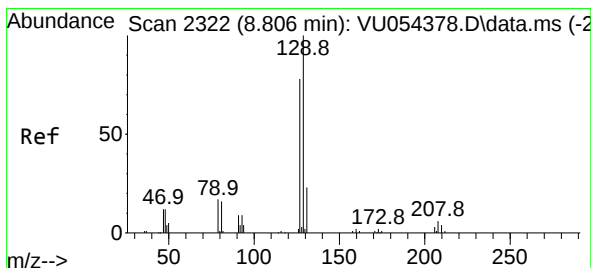
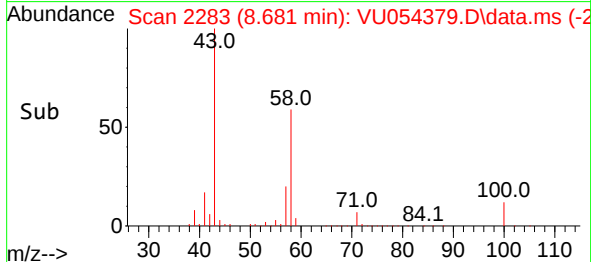
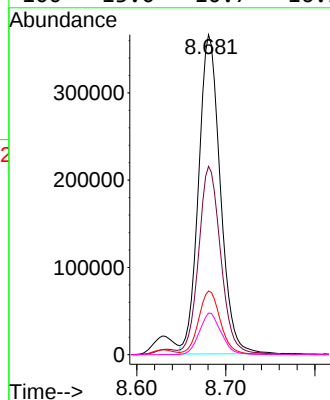
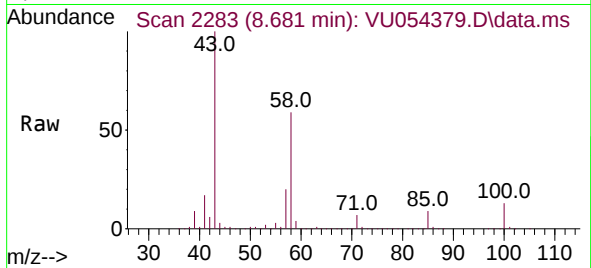




#48
2-Hexanone
Concen: 227.584 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

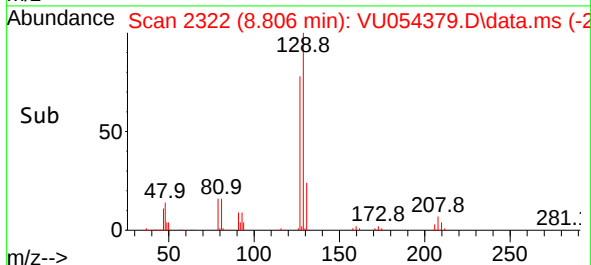
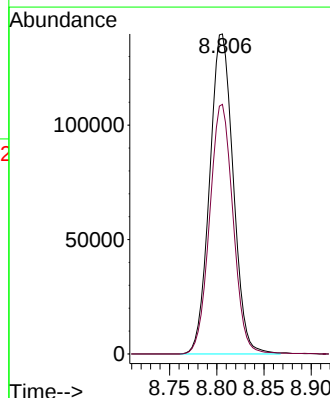
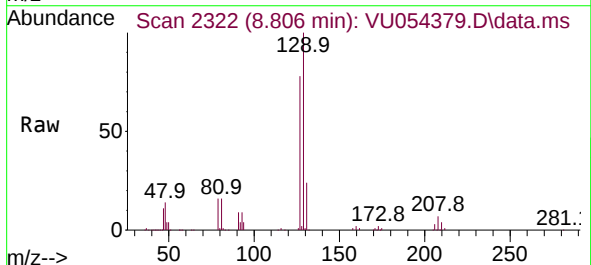
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

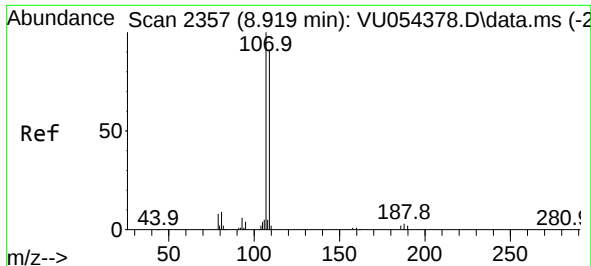
Tgt Ion:	43	Resp:	619326
Ion	Ratio	Lower	Upper
43	100		
58	59.7	47.7	71.5
57	20.4	16.1	24.1
100	13.0	10.7	16.1



#49
Dibromochloromethane
Concen: 114.009 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion:	129	Resp:	242746
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.9	101.9





#50

1,2-Dibromoethane

Concen: 110.317 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

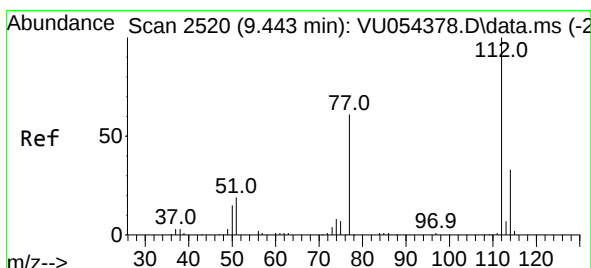
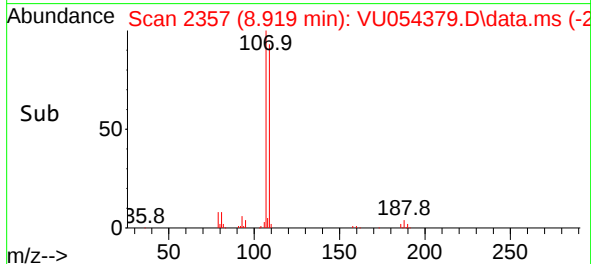
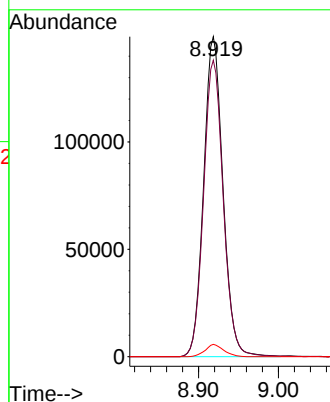
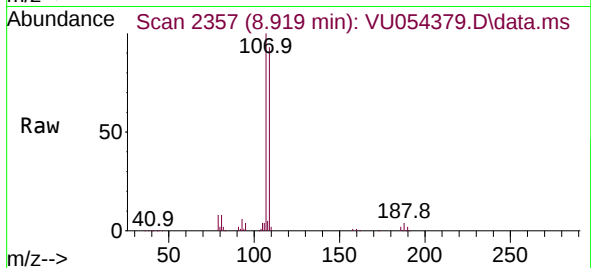
Tgt Ion:107 Resp: 250759

Ion Ratio Lower Upper

107 100

109 92.7 63.8 118.6

188 3.8 2.7 4.1



#51

Chlorobenzene

Concen: 109.692 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

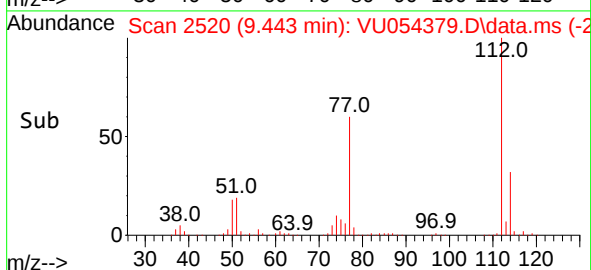
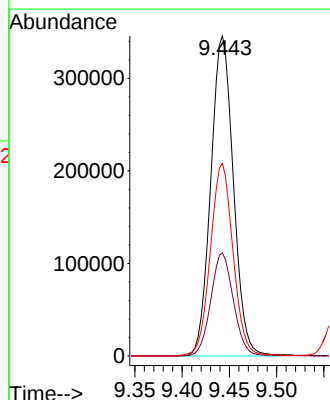
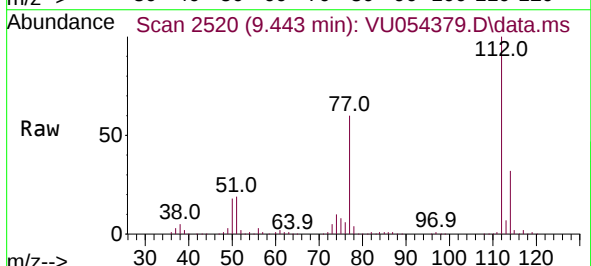
Tgt Ion:112 Resp: 574711

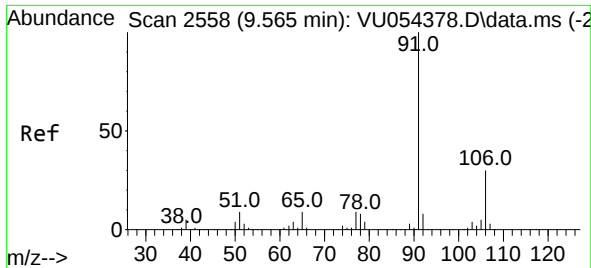
Ion Ratio Lower Upper

112 100

114 32.2 23.2 43.2

77 60.2 49.1 73.7

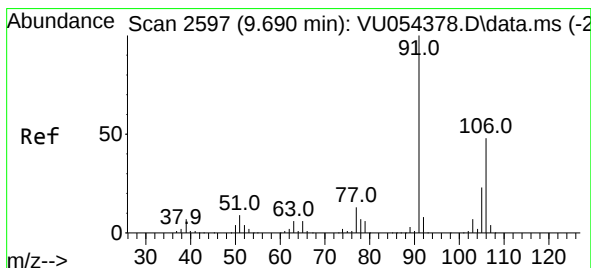
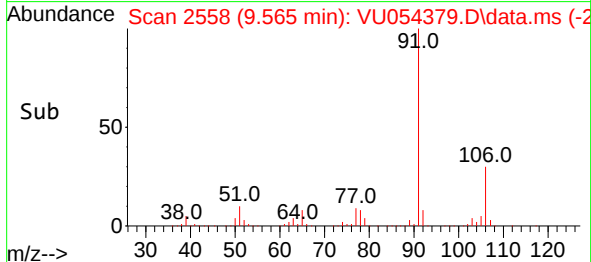
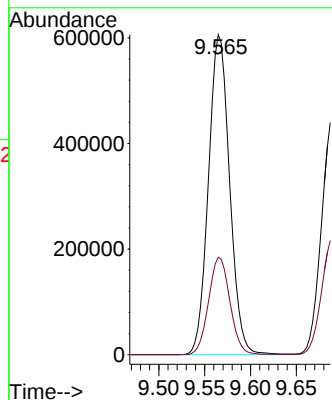
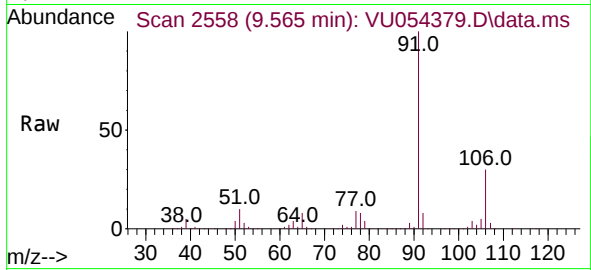




#52
Ethylbenzene
Concen: 115.362 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

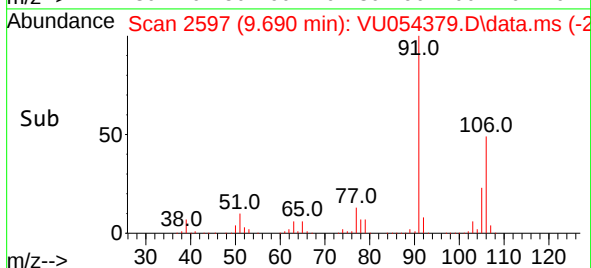
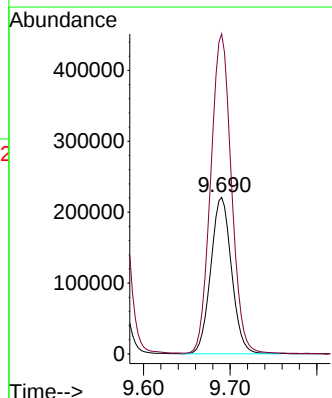
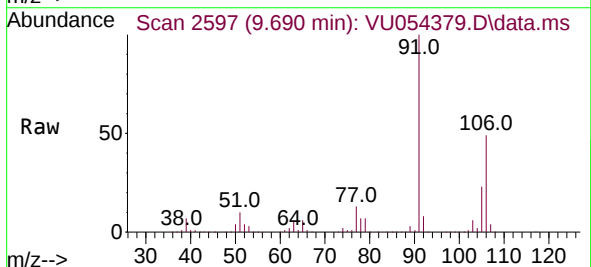
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

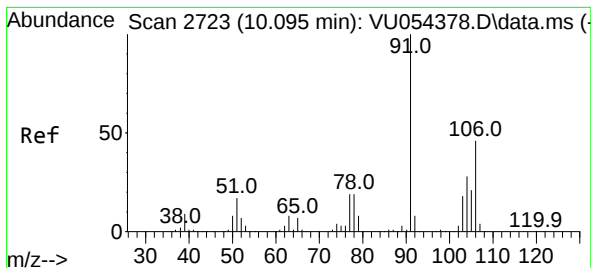
Tgt Ion: 91 Resp: 973982
Ion Ratio Lower Upper
91 100
106 30.5 20.9 38.9



#53
m,p-Xylene
Concen: 116.046 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 106 Resp: 367603
Ion Ratio Lower Upper
106 100
91 204.2 145.7 270.5





#54

o-Xylene

Concen: 117.753 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

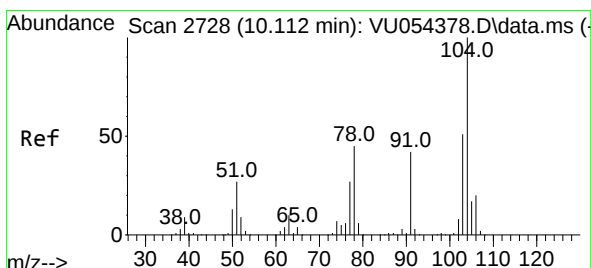
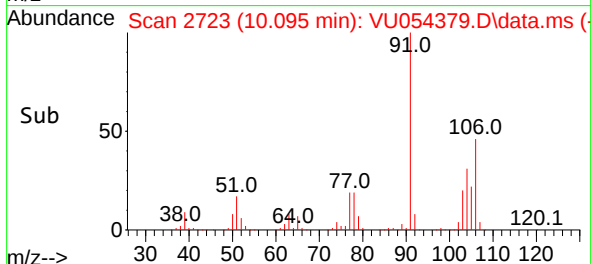
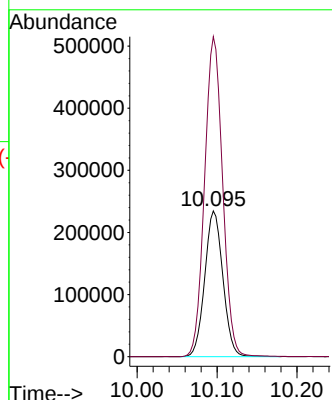
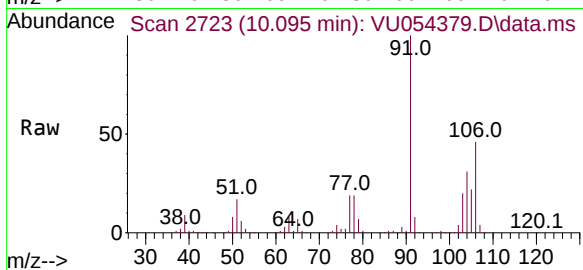
VSTD100026

Tgt Ion:106 Resp: 370536

Ion Ratio Lower Upper

106 100

91 219.5 152.8 283.8



#55

Styrene

Concen: 121.028 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU054379.D

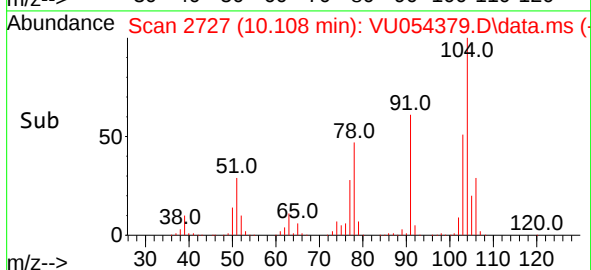
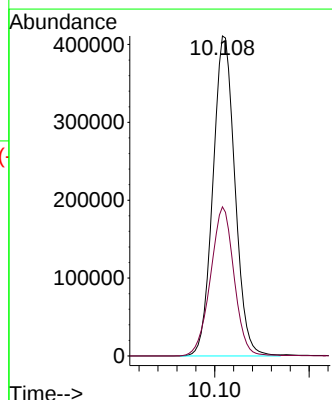
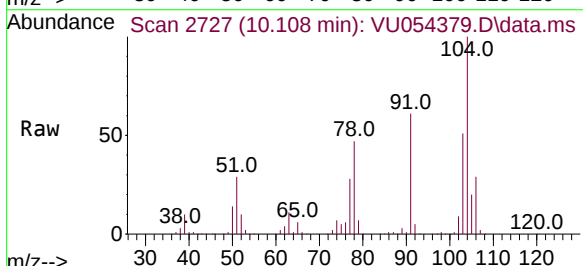
Acq: 01 Jun 2023 17:30

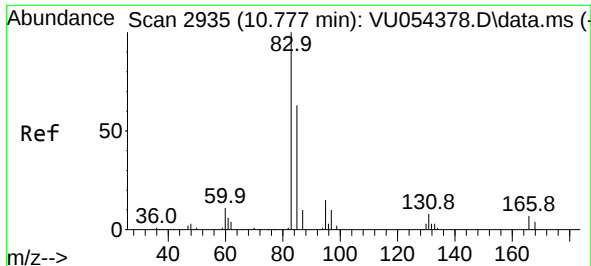
Tgt Ion:104 Resp: 665243

Ion Ratio Lower Upper

104 100

78 46.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 111.627 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

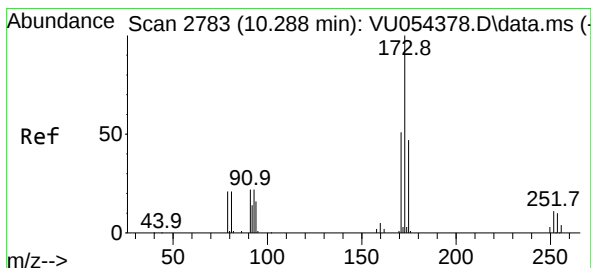
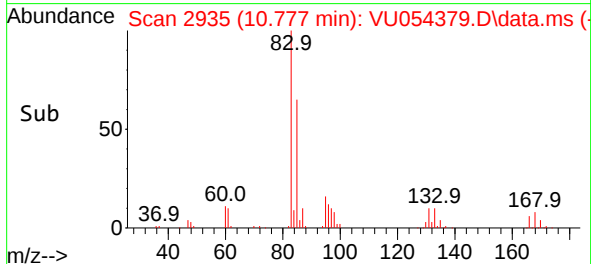
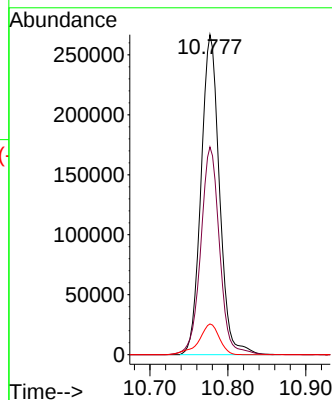
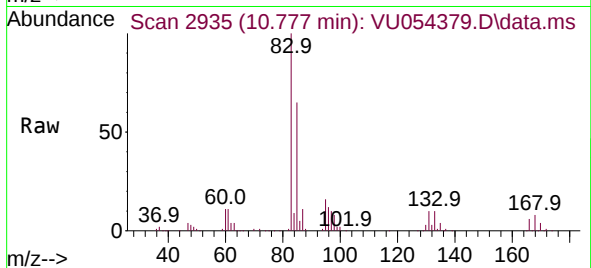
Tgt Ion: 83 Resp: 437501

Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

131 9.6 7.2 10.8



#59

Bromoform

Concen: 110.648 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

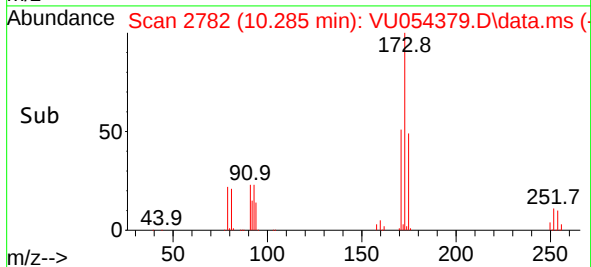
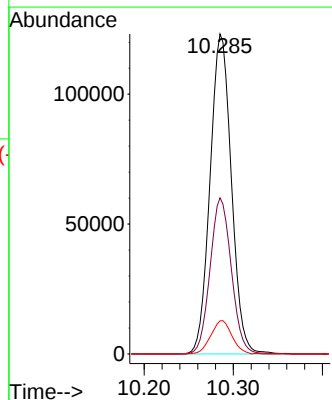
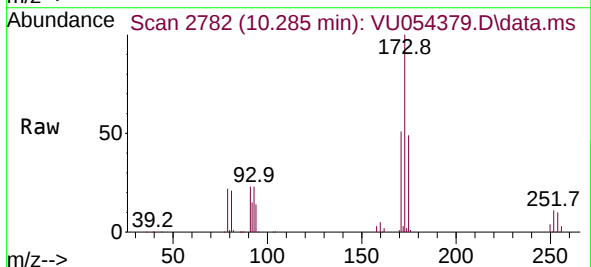
Tgt Ion:173 Resp: 204613

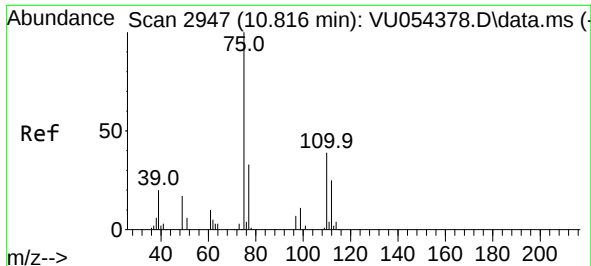
Ion Ratio Lower Upper

173 100

175 48.6 38.1 57.1

254 10.4 8.2 12.2

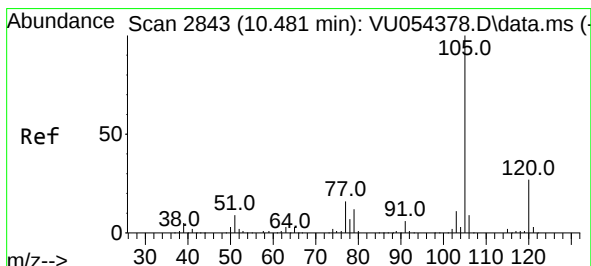
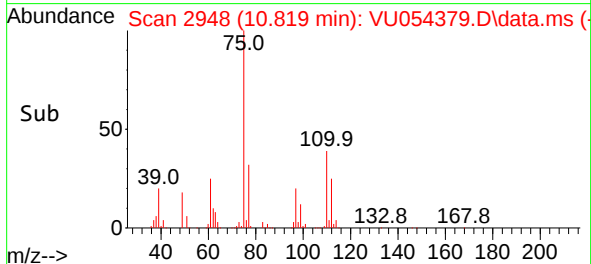
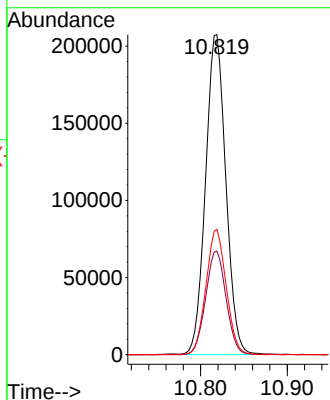
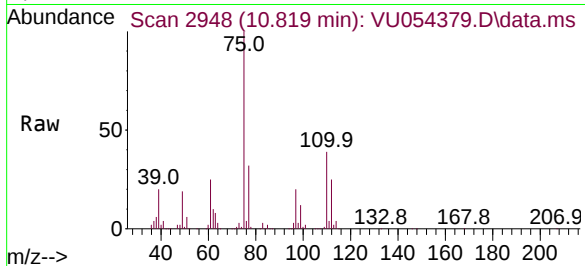




#60
1,2,3-Trichloropropane
Concen: 106.949 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

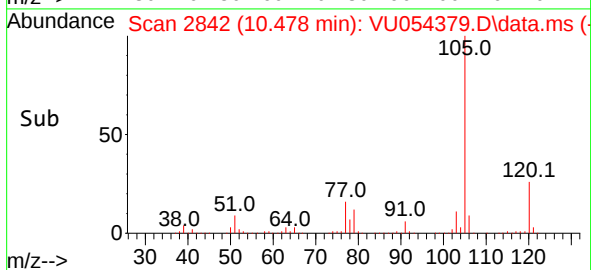
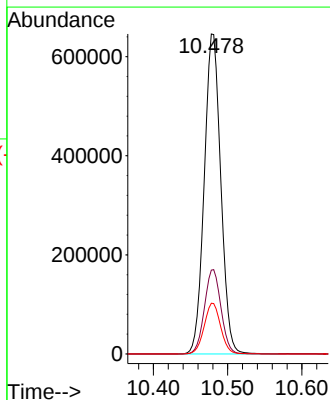
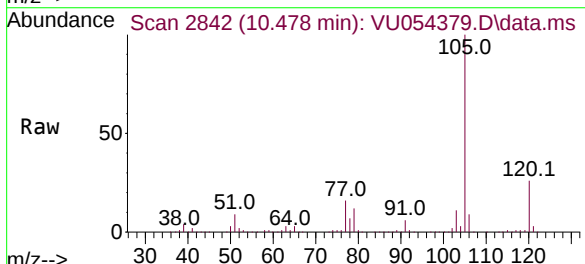
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

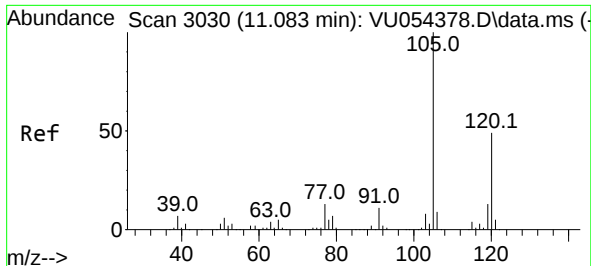
Tgt Ion: 75 Resp: 337850
Ion Ratio Lower Upper
75 100
77 32.3 26.8 40.2
110 39.0 31.4 47.0



#61
Isopropylbenzene
Concen: 112.540 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion: 105 Resp: 997045
Ion Ratio Lower Upper
105 100
120 26.5 20.9 31.3
77 15.9 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 118.405 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

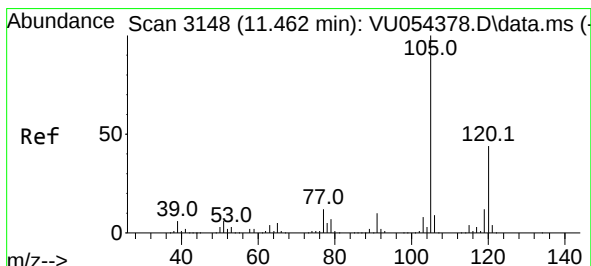
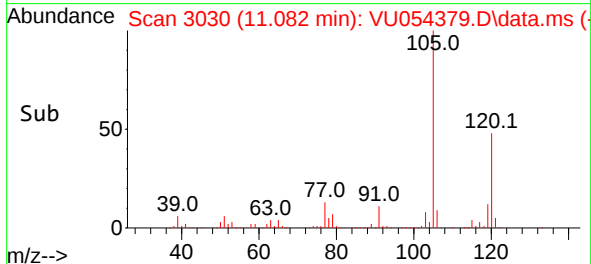
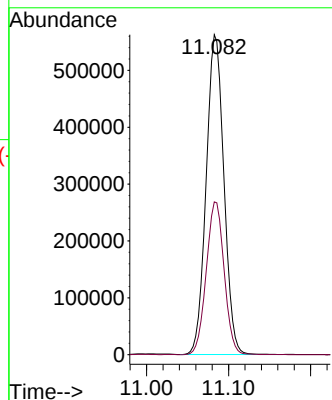
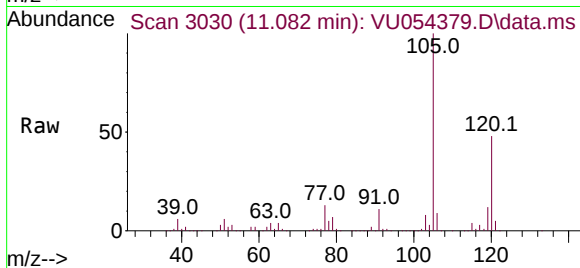
VSTD100026

Tgt Ion:105 Resp: 843799

Ion Ratio Lower Upper

105 100

120 48.2 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 119.215 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU054379.D

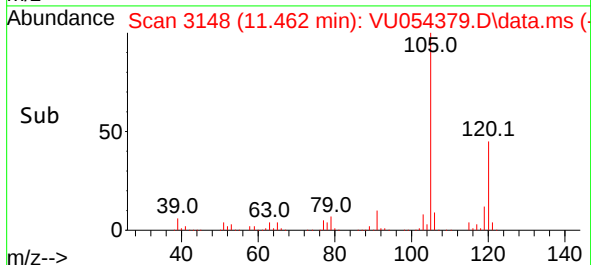
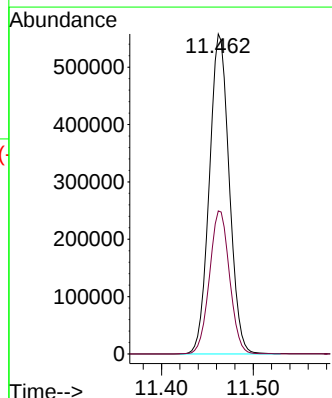
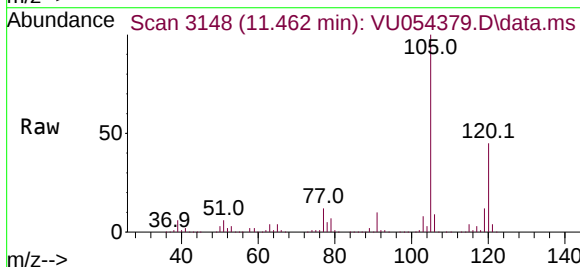
Acq: 01 Jun 2023 17:30

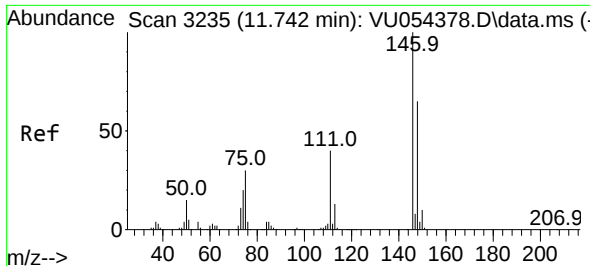
Tgt Ion:105 Resp: 841199

Ion Ratio Lower Upper

105 100

120 45.1 35.9 53.9

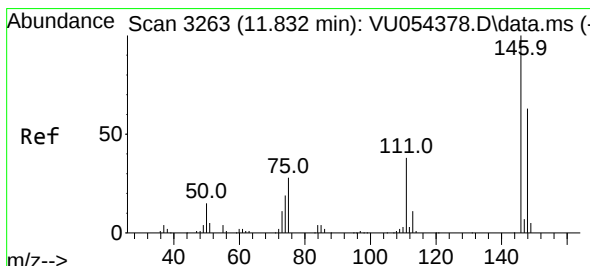
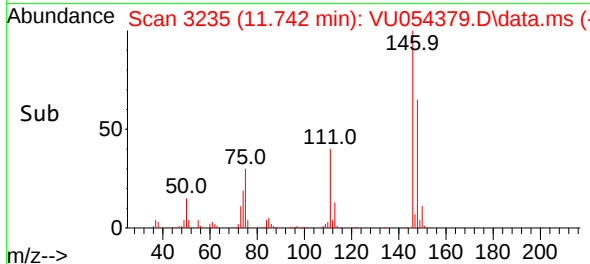
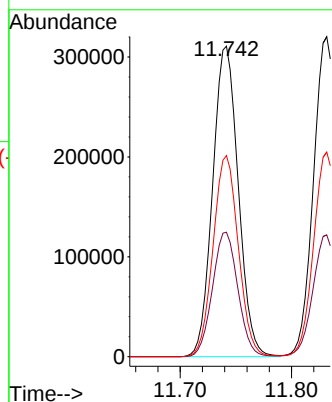
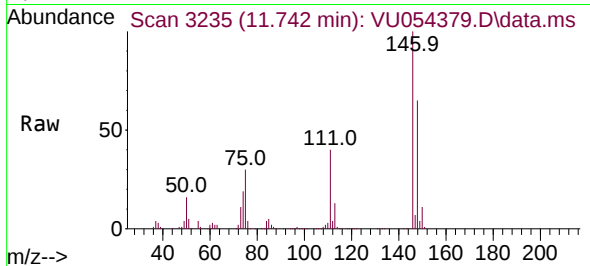




#64
1,3-Dichlorobenzene
Concen: 109.463 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

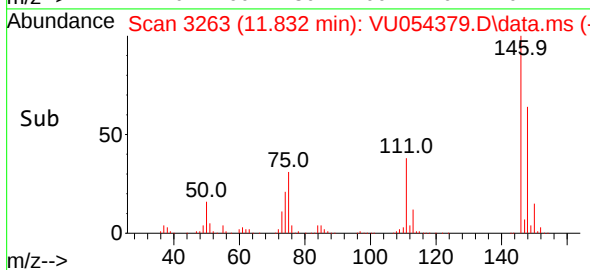
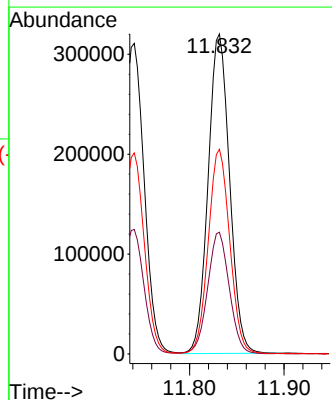
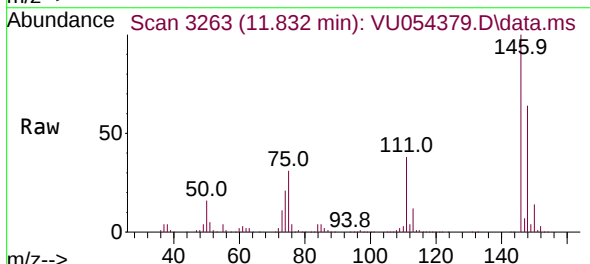
Instrument :
MSVOA_U
ClientSampleId :
VSTD100026

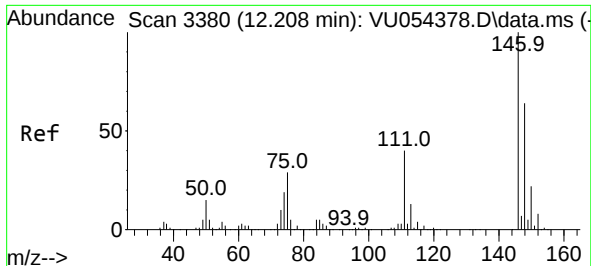
Tgt Ion:146 Resp: 496622
Ion Ratio Lower Upper
146 100
111 40.1 28.2 52.4
148 64.8 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 104.811 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054379.D
Acq: 01 Jun 2023 17:30

Tgt Ion:146 Resp: 503664
Ion Ratio Lower Upper
146 100
111 38.1 26.9 50.1
148 63.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 107.708 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

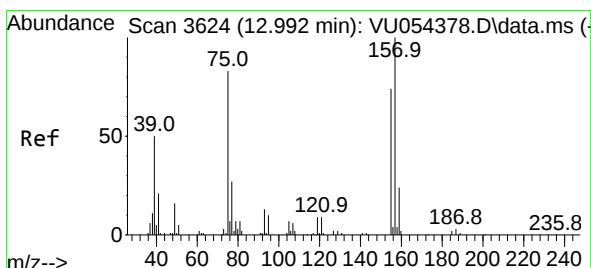
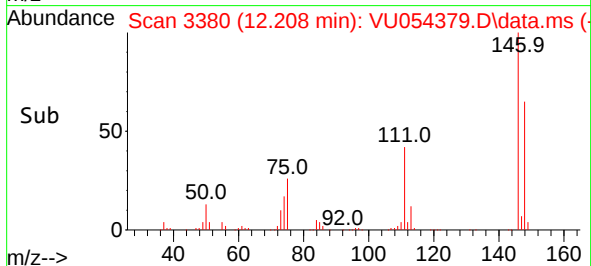
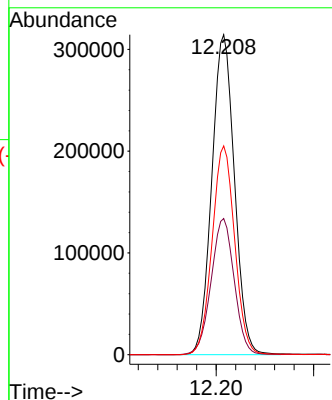
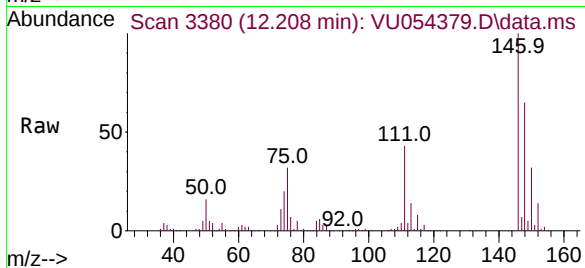
Tgt Ion:146 Resp: 507468

Ion Ratio Lower Upper

146 100

111 42.6 31.9 47.9

148 65.2 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 110.950 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

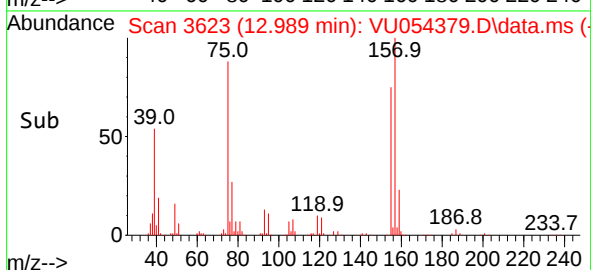
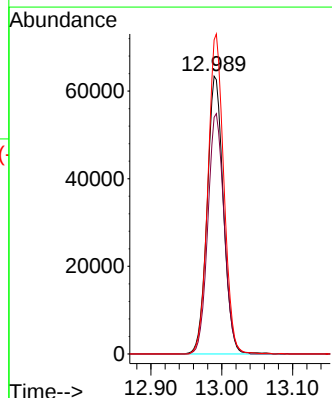
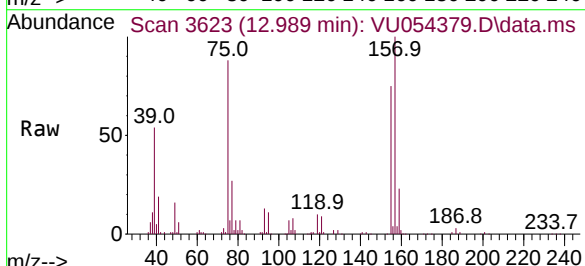
Tgt Ion: 75 Resp: 100930

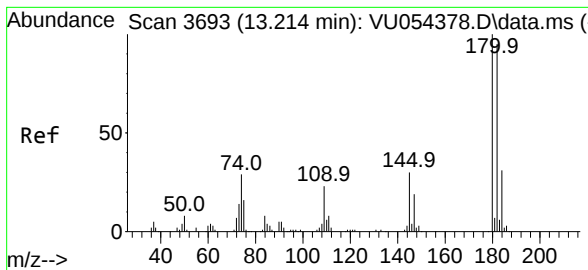
Ion Ratio Lower Upper

75 100

155 85.2 72.0 108.0

157 113.1 96.7 145.1



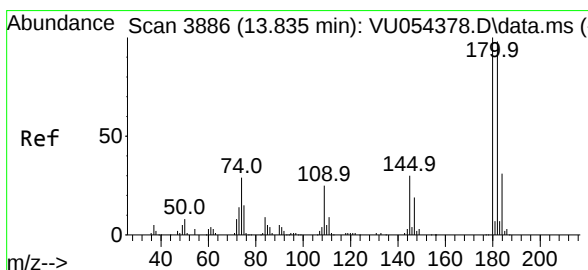
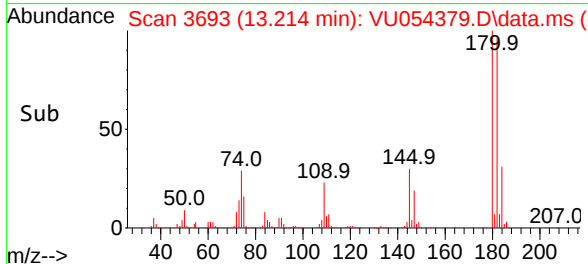
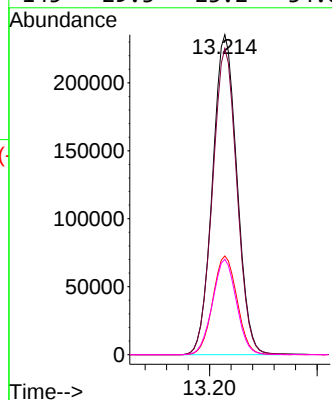
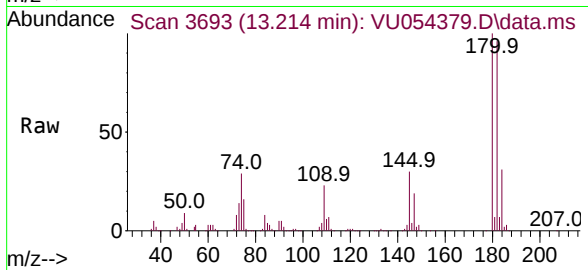


#69
 1,3,5-Trichlorobenzene
 Concen: 109.555 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100026

Tgt Ion:180 Resp: 370575

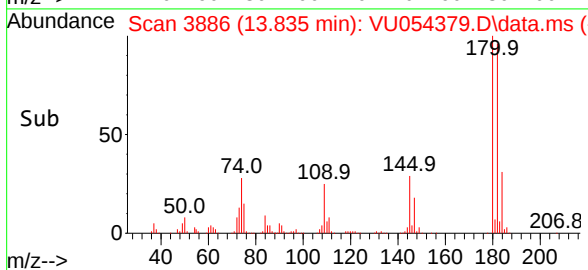
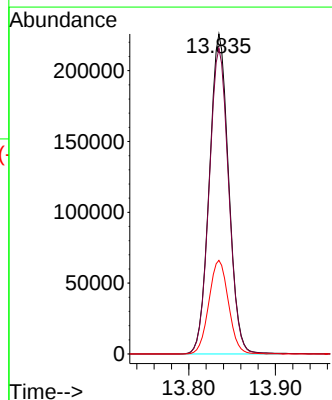
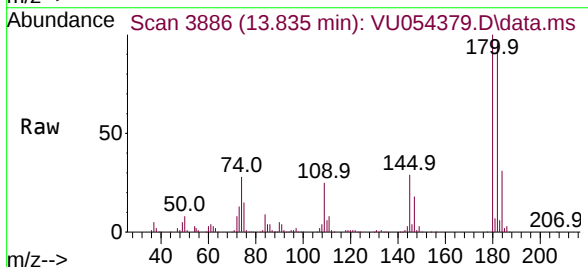
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
184	30.7	24.2	36.2
145	29.3	23.2	34.8

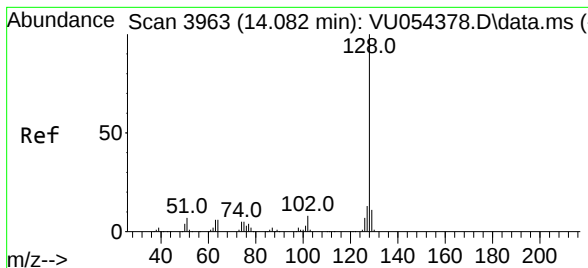


#70
 1,2,4-trichlorobenzene
 Concen: 110.125 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054379.D
 Acq: 01 Jun 2023 17:30

Tgt Ion:180 Resp: 350274

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
145	29.7	23.7	35.5





#71

Naphthalene

Concen: 120.159 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD100026

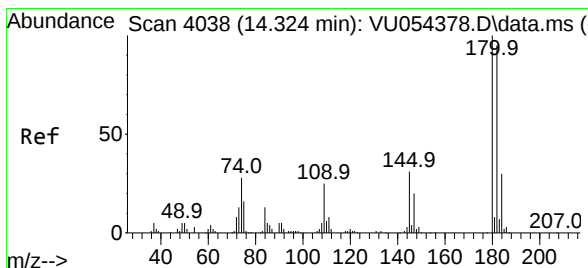
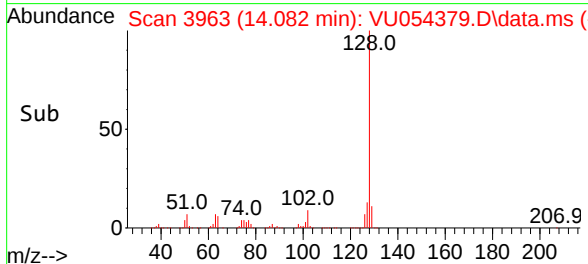
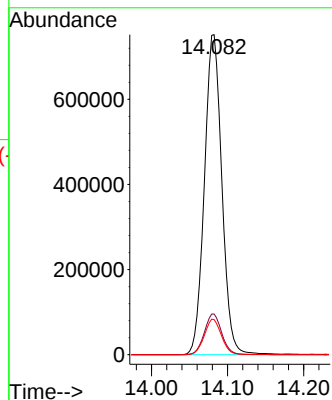
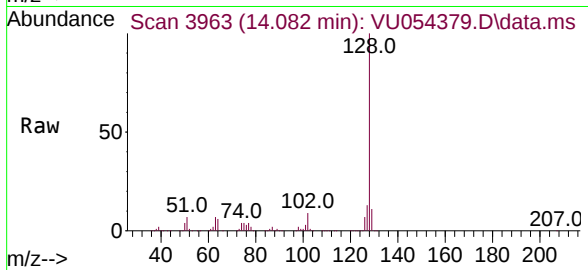
Tgt Ion:128 Resp: 1200326

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 111.519 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU054379.D

Acq: 01 Jun 2023 17:30

Tgt Ion:180 Resp: 361036

Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

145 31.3 25.3 37.9

