

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054376.D
 Acq On : 01 Jun 2023 16:19
 Operator : JC/MD
 Sample : VSTD00523
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005023

Quant Time: Jun 02 01:29:54 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	6.247	114	388532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	390040	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	209486	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	15993	5.297	ug/L	0.00
7) Chloroethane-d5	1.912	69	12777	6.211	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	6419	5.235	ug/L	0.00
21) 2-Butanone-d5	4.639	46	23840	9.854	ug/L	0.02
24) Chloroform-d	5.060	84	26014	4.987	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	16637	5.155	ug/L	0.00
32) Benzene-d6	5.726	84	51369	4.914	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	18072	5.159	ug/L	0.00
41) Toluene-d8	7.896	98	45902	4.854	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	7967	4.838	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	13650	8.499	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	25969	4.956	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	19349	5.263	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	8519	5.776	ug/L	97
3) Chloromethane	1.520	50	10496	5.779	ug/L	97
5) Vinyl chloride	1.600	62	11319	5.687	ug/L	100
6) Bromomethane	1.858	94	6730	6.661	ug/L	98
8) Chloroethane	1.932	64	8087	7.105	ug/L	96
9) Trichlorofluoromethane	2.134	101	16761	5.743	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	11220	5.845	ug/L	98
12) 1,1-Dichloroethene	2.575	96	9111	5.672	ug/L	87
13) Acetone	2.636	43	22489	13.580	ug/L	93
14) Carbon disulfide	2.790	76	16727	5.650	ug/L	95
15) Methyl Acetate	2.954	43	15149	5.548	ug/L	99
16) Methylene chloride	3.044	84	15930	6.662	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	8872	5.497	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	36475	5.502	ug/L	98
19) 1,1-Dichloroethane	3.864	63	20654	5.489	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	11743	5.464	ug/L	95
22) 2-Butanone	4.716	43	20964	9.823	ug/L	100
23) Bromochloromethane	4.973	128	6297	5.670	ug/L	96
25) Chloroform	5.083	83	22155	5.524	ug/L	92
27) 1,2-Dichloroethane	5.790	62	16883	5.771	ug/L	97
29) Cyclohexane	5.385	56	13698	5.469	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	18190	5.542	ug/L	97
31) Carbon tetrachloride	5.520	117	14901	5.497	ug/L	98
33) Benzene	5.771	78	42615	5.410	ug/L	100
34) Trichloroethene	6.536	95	12048	5.754	ug/L	95
35) Methylcyclohexane	6.758	83	13792	5.341	ug/L	99
37) 1,2-Dichloropropane	6.787	63	12648	5.431	ug/L #	97
38) Bromodichloromethane	7.105	83	16949	5.517	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	19466	5.411	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	38693	10.419	ug/L	96
42) Toluene	7.967	91	43783	5.270	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	18401	5.251	ug/L	94

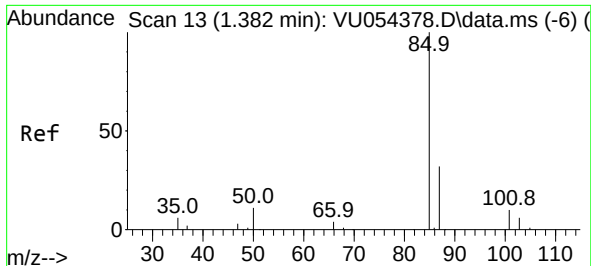
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
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Quant Time: Jun 02 01:29:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	13805	5.603	ug/L	97
46) Tetrachloroethene	8.549	164	8597	5.575	ug/L	97
48) 2-Hexanone	8.684	43	30455	10.063	ug/L	97
49) Dibromochloromethane	8.806	129	12662	5.348	ug/L	98
50) 1,2-Dibromoethane	8.922	107	14305	5.659	ug/L #	92
51) Chlorobenzene	9.443	112	32936	5.653	ug/L	98
52) Ethylbenzene	9.568	91	49316	5.253	ug/L	100
53) m,p-Xylene	9.693	106	18557	5.268	ug/L	100
54) o-Xylene	10.095	106	17708	5.060	ug/L	94
55) Styrene	10.111	104	30441	4.980	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	23665	5.430	ug/L	95
59) Bromoform	10.288	173	10557	5.652	ug/L #	95
60) 1,2,3-Trichloropropane	10.819	75	18065	5.662	ug/L	98
61) Isopropylbenzene	10.481	105	47706	5.331	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	35894	4.987	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	34717	4.871	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	26285	5.736	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	28920	5.958	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	27369	5.751	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.989	75	4990	5.431	ug/L #	71
69) 1,3,5-Trichlorobenzene	13.217	180	19225	5.627	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	17852	5.557	ug/L	97
71) Naphthalene	14.085	128	50624	5.017	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	17774	5.436	ug/L	100

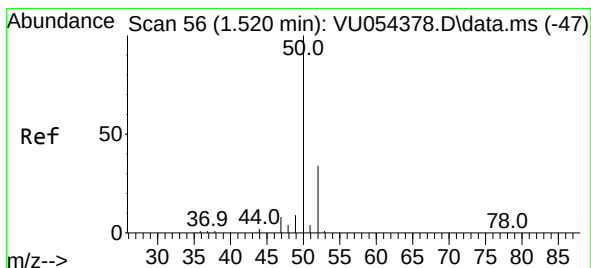
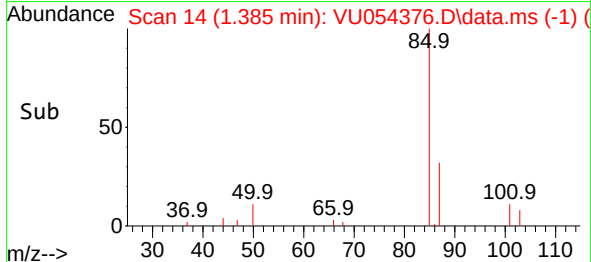
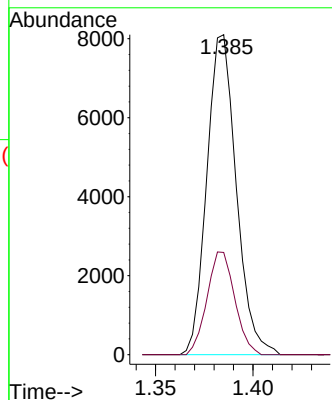
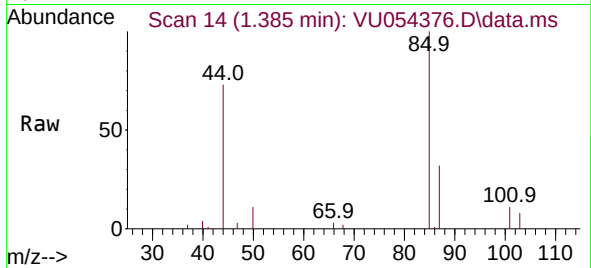
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.776 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

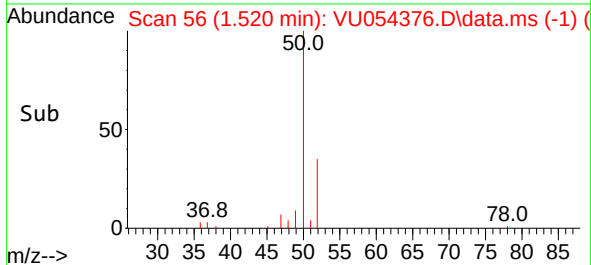
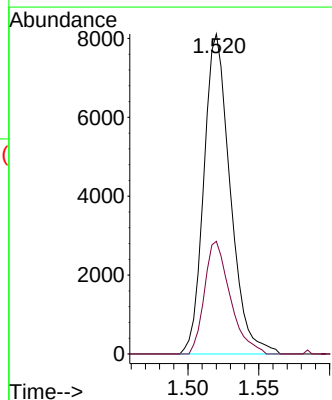
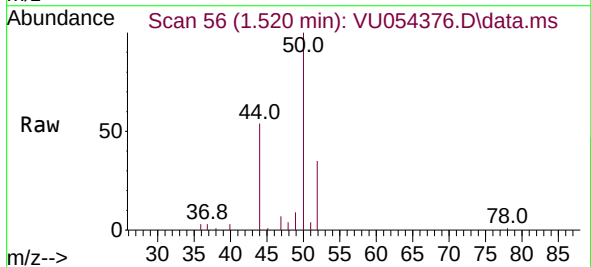
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

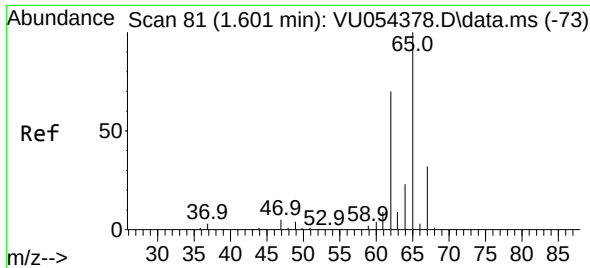
Tgt Ion: 85 Resp: 8519
Ion Ratio Lower Upper
85 100
87 30.2 25.5 38.3



#3
Chloromethane
Concen: 5.779 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 50 Resp: 10496
Ion Ratio Lower Upper
50 100
52 35.2 23.4 43.6

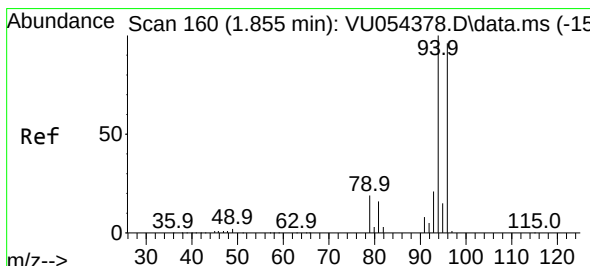
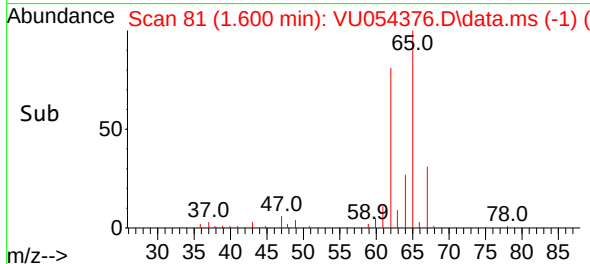
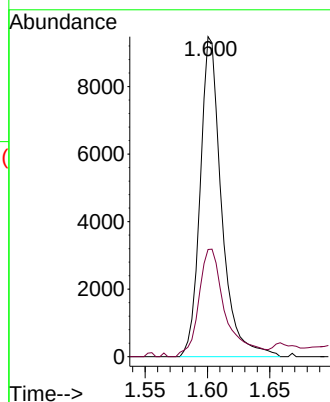
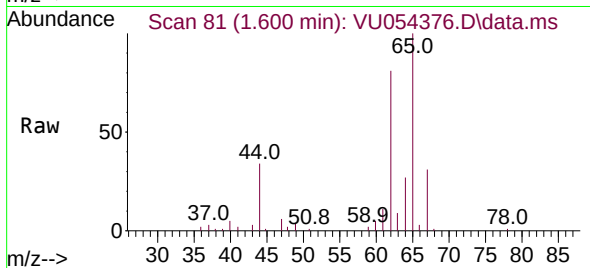




#5
 Vinyl chloride
 Concen: 5.687 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054376.D
 Acq: 01 Jun 2023 16:19

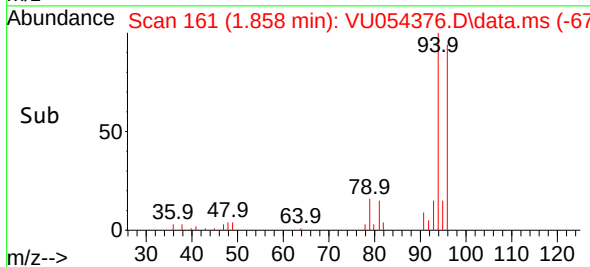
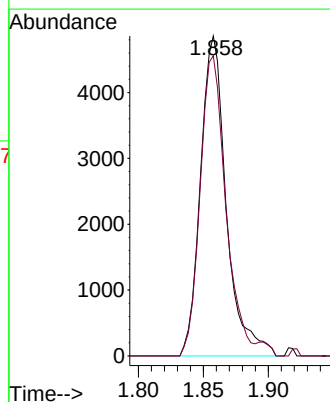
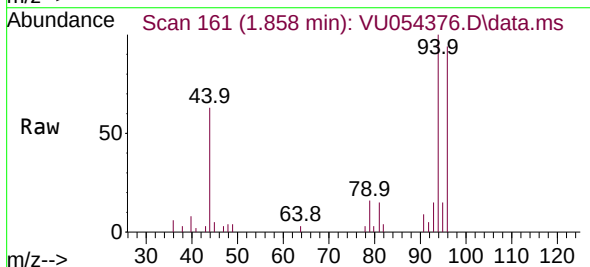
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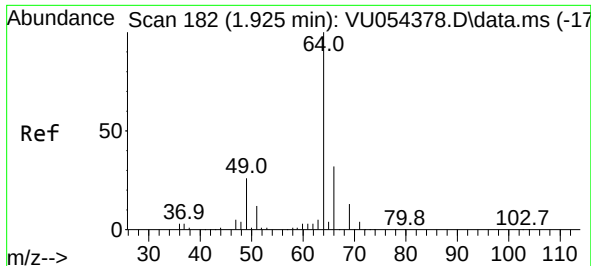
Tgt Ion: 62 Resp: 11319
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.4



#6
 Bromomethane
 Concen: 6.661 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU054376.D
 Acq: 01 Jun 2023 16:19

Tgt Ion: 94 Resp: 6730
 Ion Ratio Lower Upper
 94 100
 96 93.8 67.1 124.7

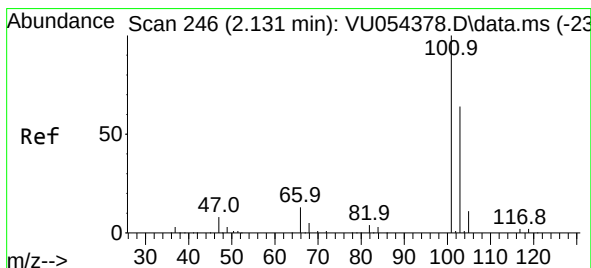
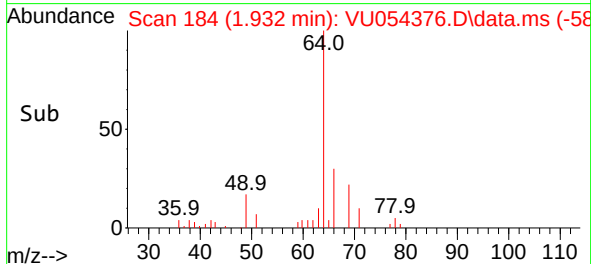
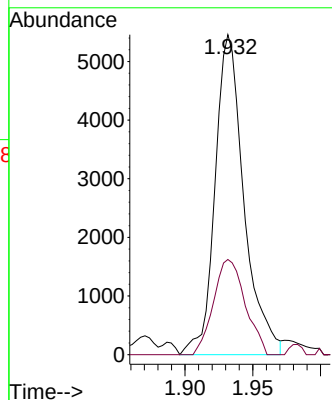
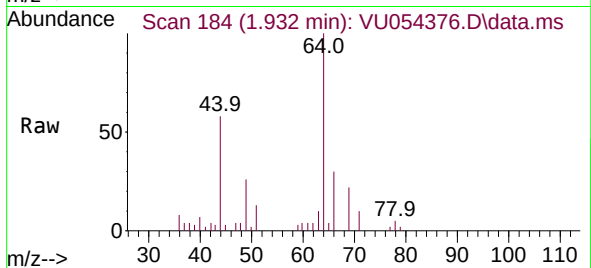




#8
Chloroethane
Concen: 7.105 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

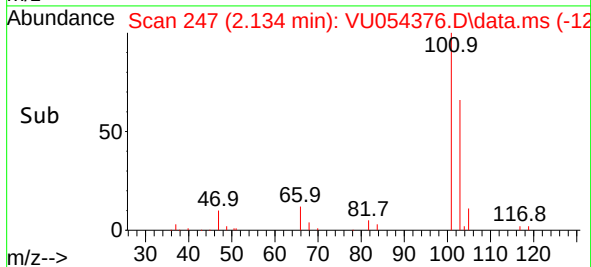
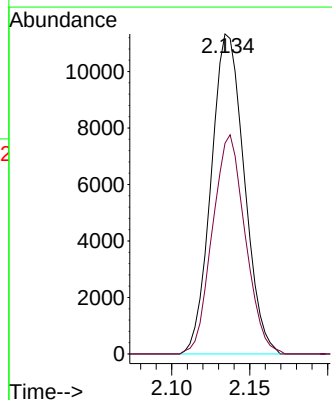
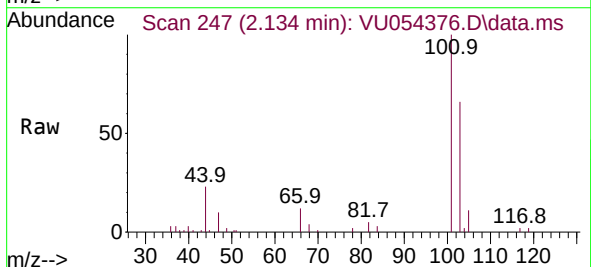
Instrument :
MSVOA_U
ClientSampleId :
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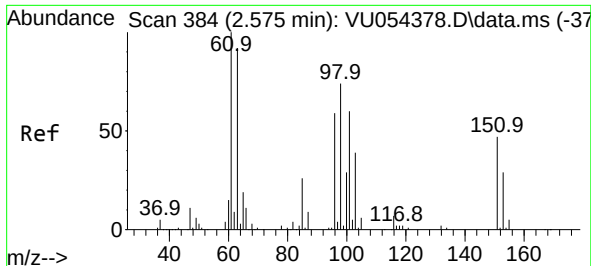
Tgt Ion: 64 Resp: 8087
Ion Ratio Lower Upper
64 100
66 29.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 5.743 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:101 Resp: 16761
Ion Ratio Lower Upper
101 100
103 67.6 52.0 78.0

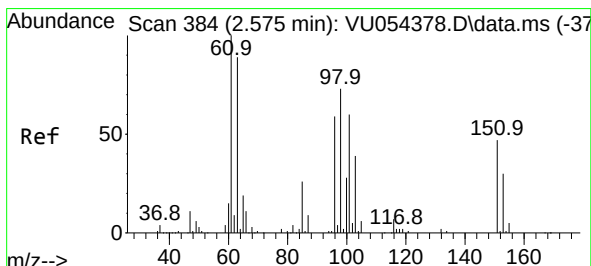
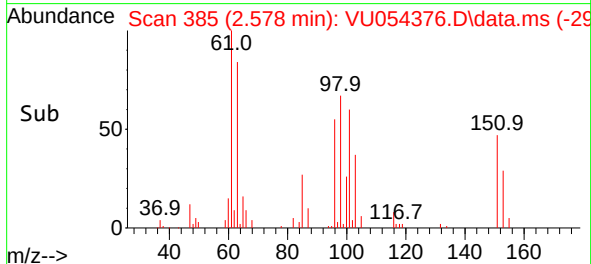
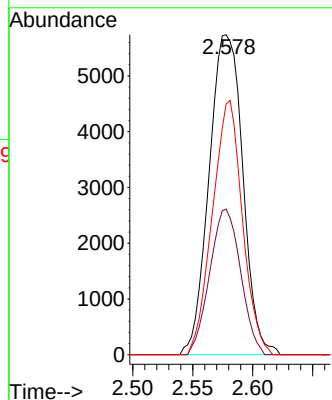
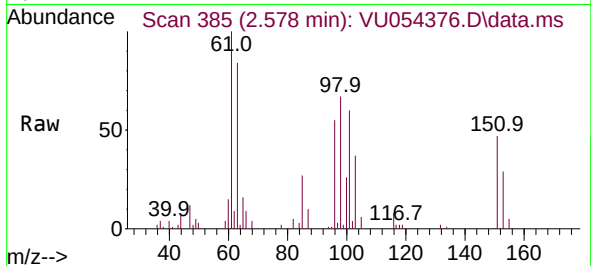




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.845 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

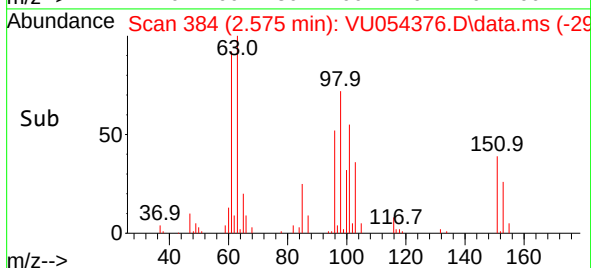
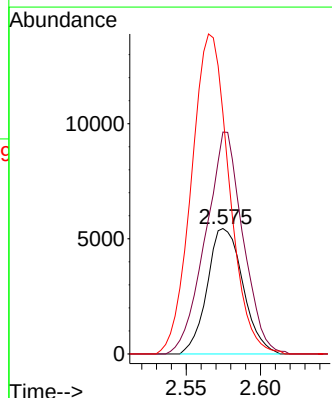
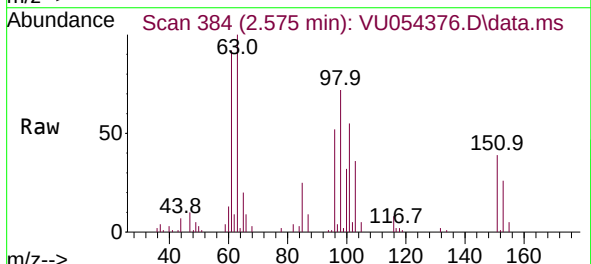
Instrument :
MSVOA_U
ClientSampleId :
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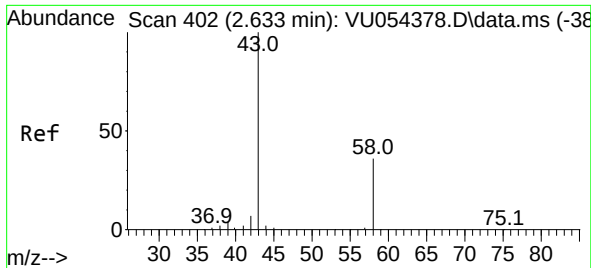
Tgt Ion:101 Resp: 11220
Ion Ratio Lower Upper
101 100
85 41.6 34.0 51.0
151 70.7 58.6 87.8



#12
1,1-Dichloroethene
Concen: 5.672 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 96 Resp: 9111
Ion Ratio Lower Upper
96 100
61 176.9 120.0 222.8
63 191.8 112.9 209.7





#13

Acetone

Concen: 13.580 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

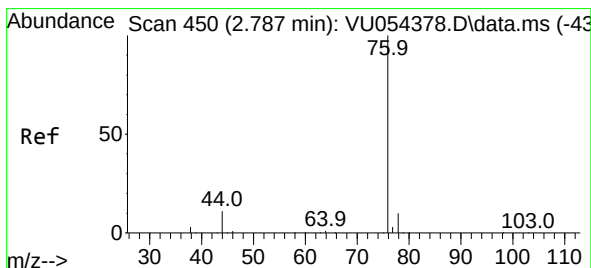
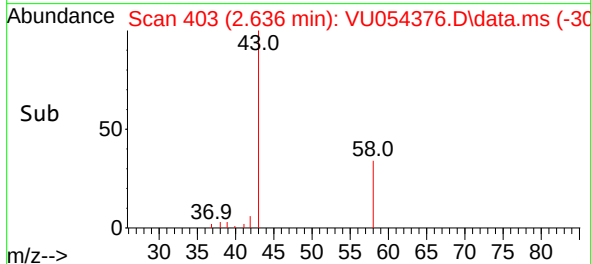
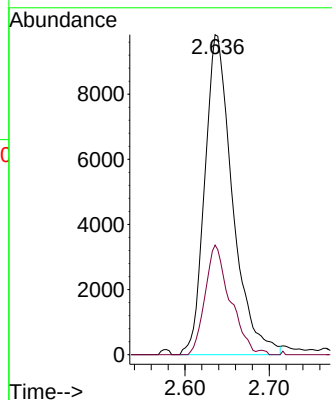
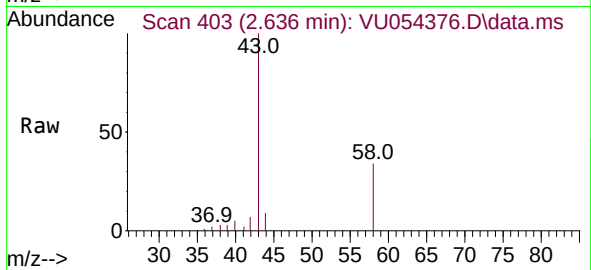
VSTD005023

Tgt Ion: 43 Resp: 22489

Ion Ratio Lower Upper

43 100

58 30.7 0.0 70.0



#14

Carbon disulfide

Concen: 5.650 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU054376.D

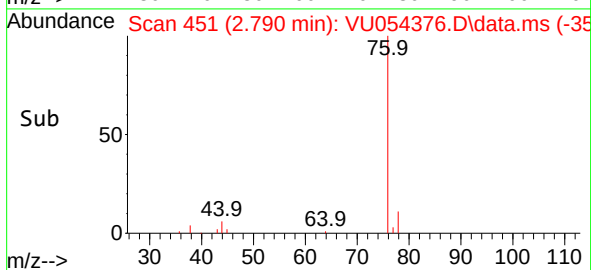
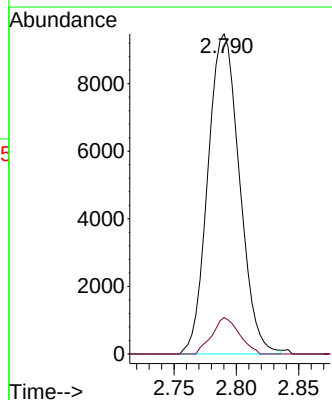
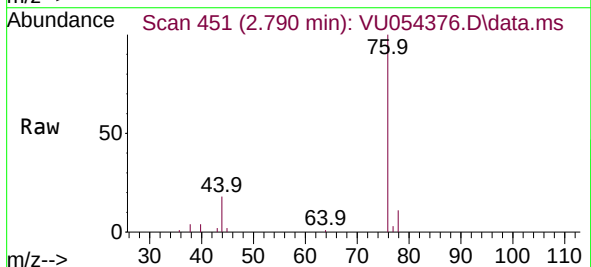
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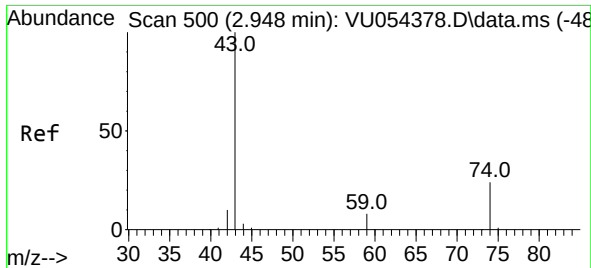
Tgt Ion: 76 Resp: 16727

Ion Ratio Lower Upper

76 100

78 11.4 7.6 11.4

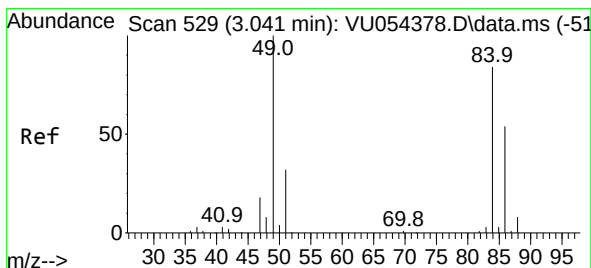
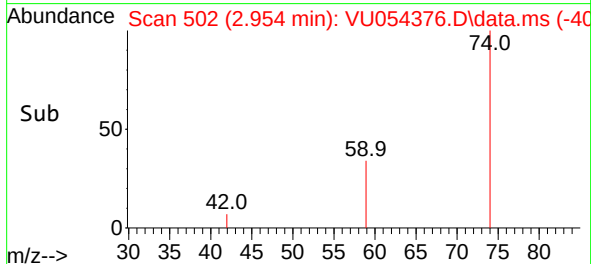
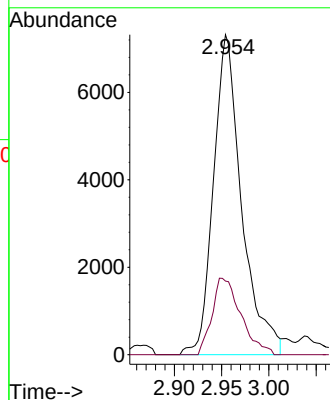
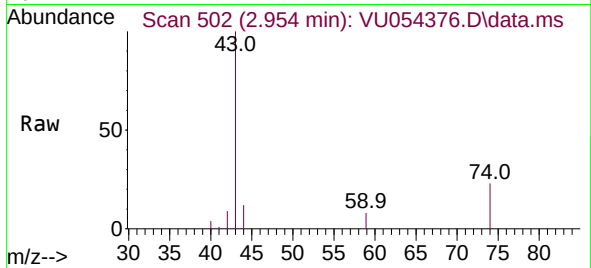




#15
Methyl Acetate
Concen: 5.548 ug/L
RT: 2.954 min Scan# 50
Delta R.T. 0.006 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

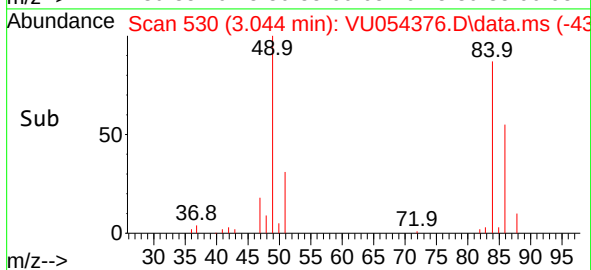
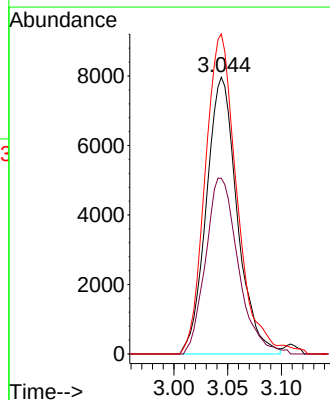
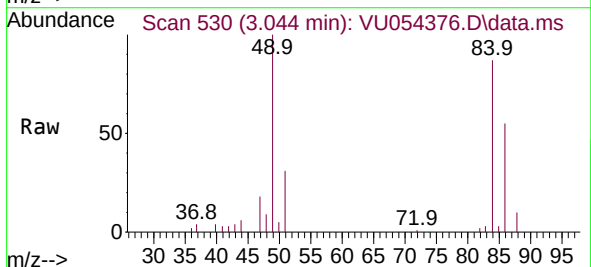
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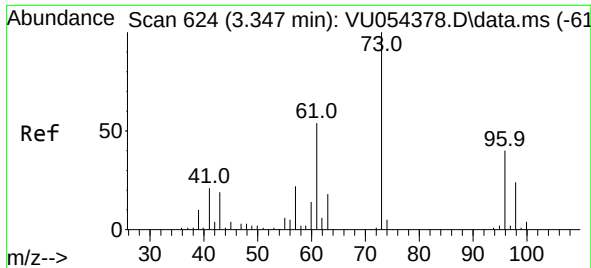
Tgt Ion: 43 Resp: 15149
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.6



#16
Methylene chloride
Concen: 6.662 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 84 Resp: 15930
Ion Ratio Lower Upper
84 100
86 63.4 44.8 83.2
49 115.6 83.3 154.7

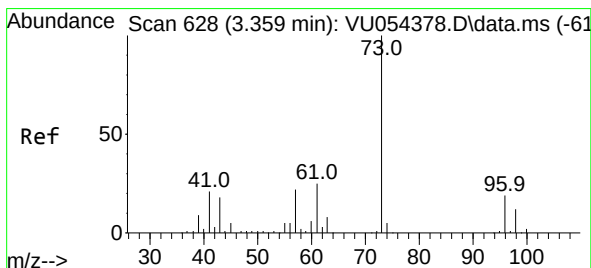
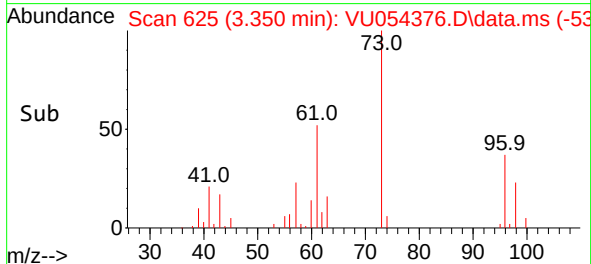
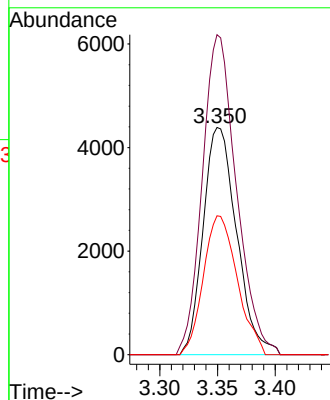
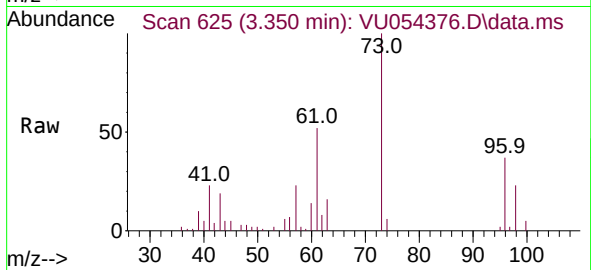




#17
trans-1,2-Dichloroethene
Concen: 5.497 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

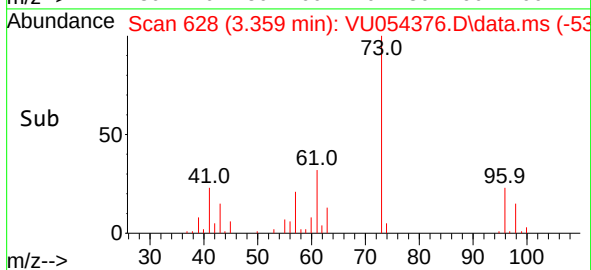
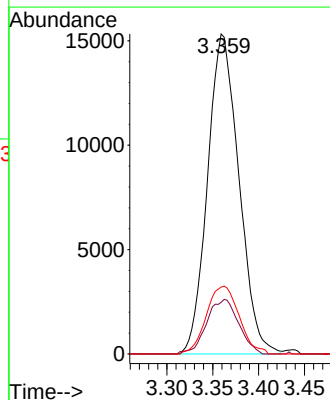
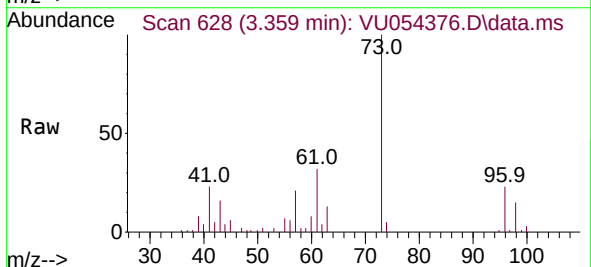
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

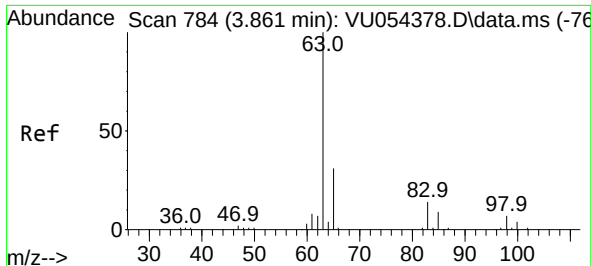
Tgt Ion: 96 Resp: 8872
Ion Ratio Lower Upper
96 100
61 140.8 95.3 177.1
98 61.1 42.6 79.0



#18
Methyl tert-butyl Ether
Concen: 5.502 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 73 Resp: 36475
Ion Ratio Lower Upper
73 100
43 17.4 15.1 22.7
57 22.2 18.0 27.0

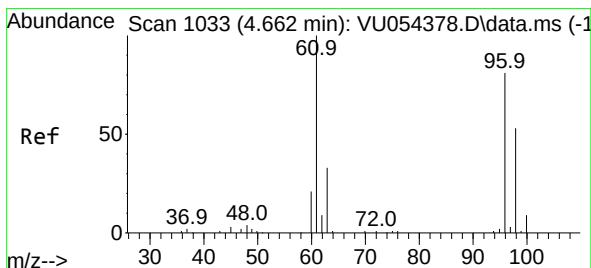
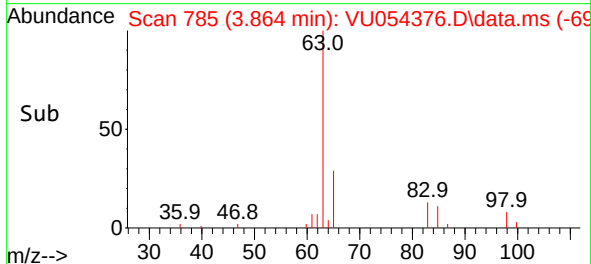
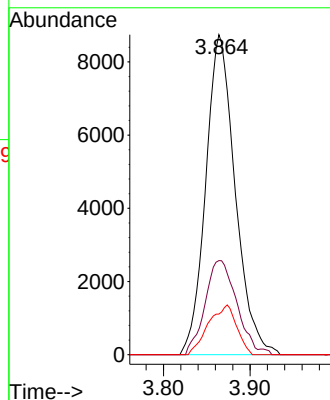
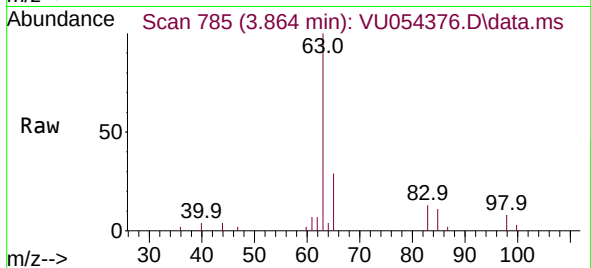




#19
1,1-Dichloroethane
Concen: 5.489 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

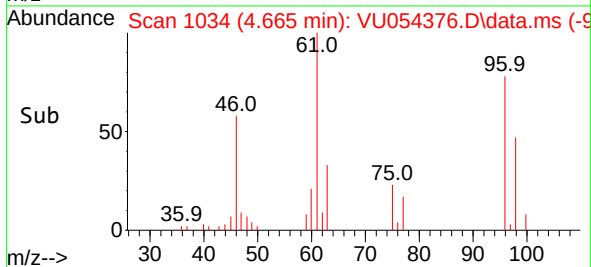
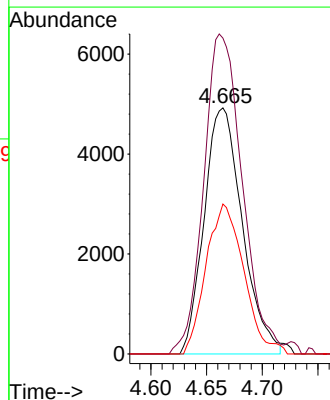
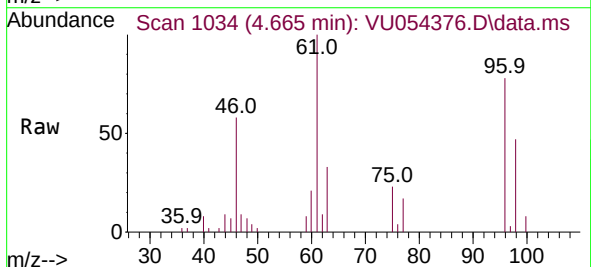
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

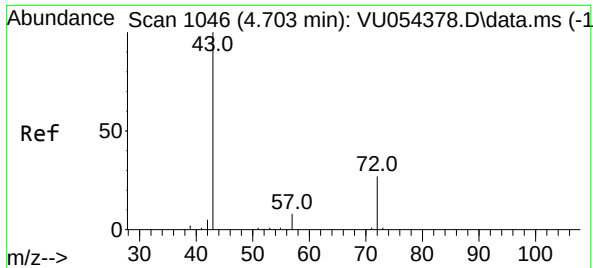
Tgt Ion:	63	Resp:	20654
Ion	Ratio	Lower	Upper
63	100		
65	29.4	21.8	40.6
83	12.7	9.7	17.9



#20
cis-1,2-Dichloroethene
Concen: 5.464 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:	96	Resp:	11743
Ion	Ratio	Lower	Upper
96	100		
61	128.4	86.5	160.7
98	60.9	45.4	84.4

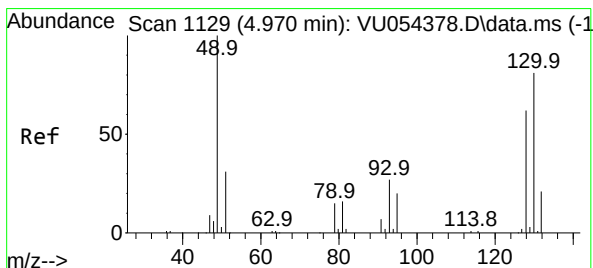
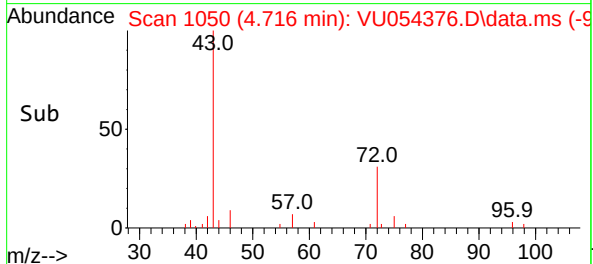
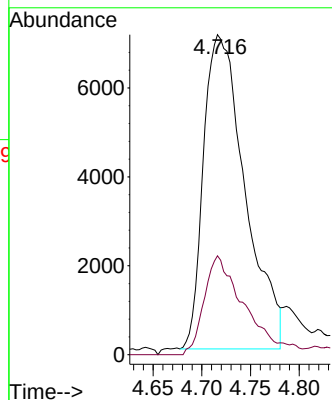
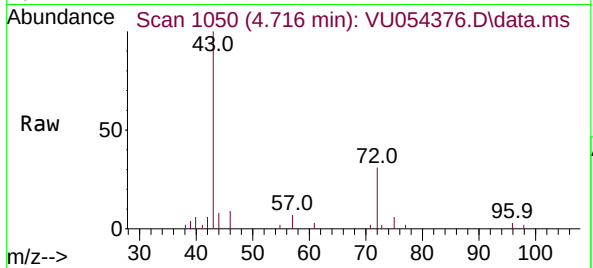




#22
2-Butanone
Concen: 9.823 ug/L
RT: 4.716 min Scan# 1046
Delta R.T. 0.013 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

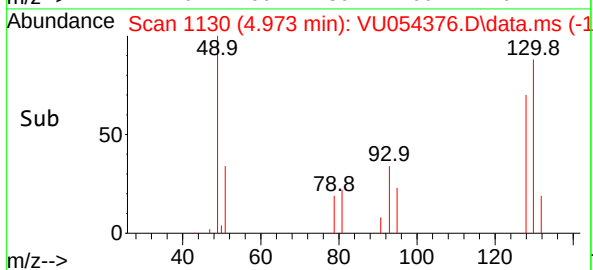
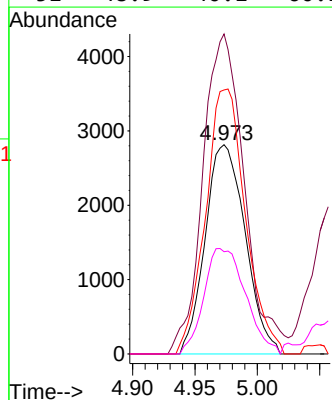
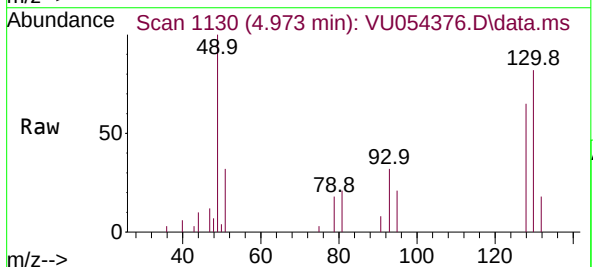
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

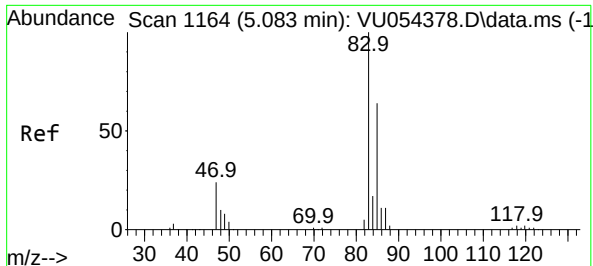
Tgt Ion: 43 Resp: 20964
Ion Ratio Lower Upper
43 100
72 29.1 14.4 43.4



#23
Bromochloromethane
Concen: 5.670 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 128 Resp: 6297
Ion Ratio Lower Upper
128 100
49 152.9 112.6 209.0
130 126.2 90.5 168.1
51 48.9 40.1 60.1





#25

Chloroform

Concen: 5.524 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

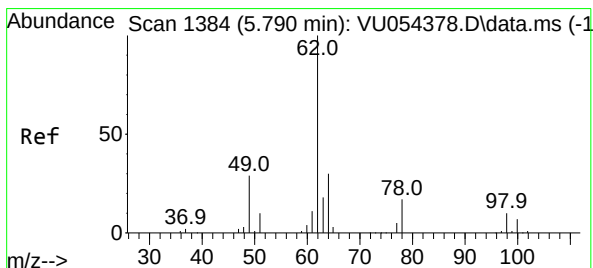
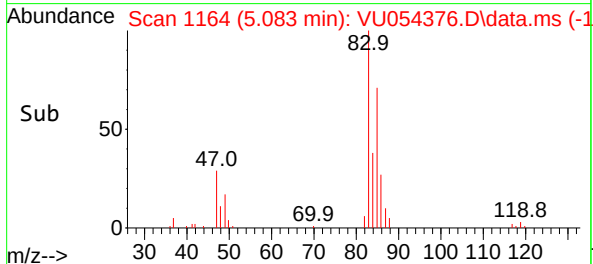
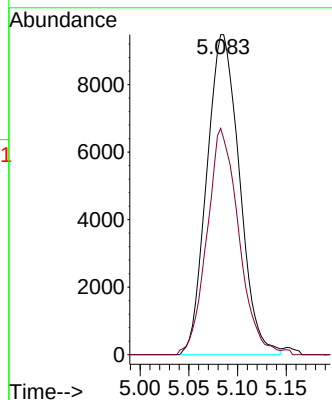
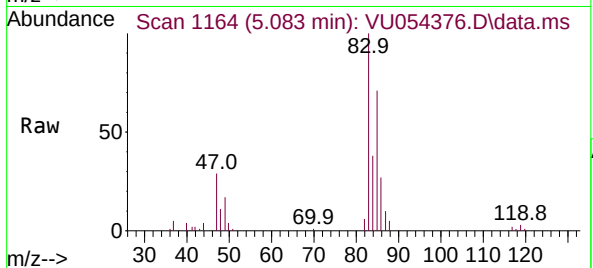
VSTD005023

Tgt Ion: 83 Resp: 22155

Ion Ratio Lower Upper

83 100

85 70.7 45.0 83.6



#27

1,2-Dichloroethane

Concen: 5.771 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU054376.D

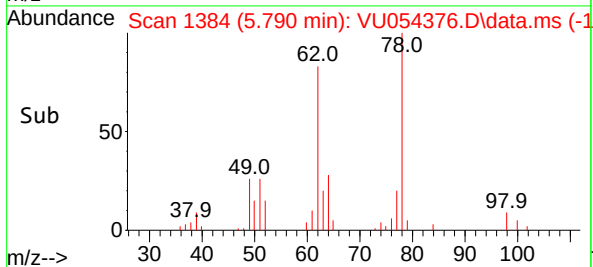
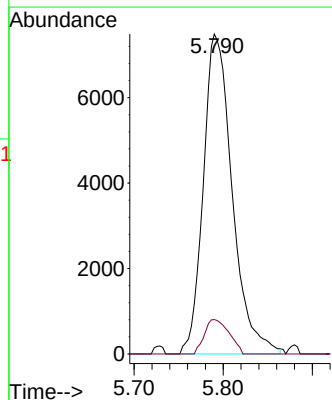
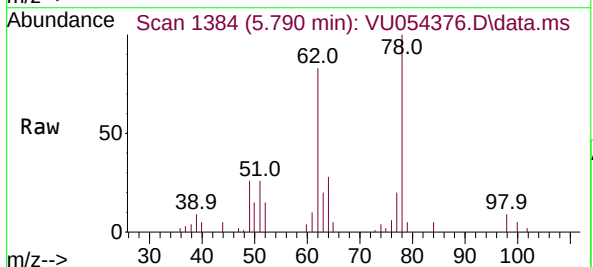
Acq: 01 Jun 2023 16:19

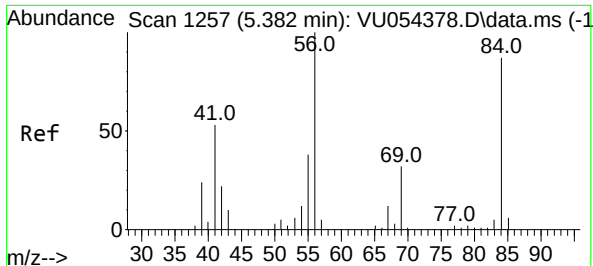
Tgt Ion: 62 Resp: 16883

Ion Ratio Lower Upper

62 100

98 10.7 7.6 11.4





#29

Cyclohexane

Concen: 5.469 ug/L

RT: 5.385 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

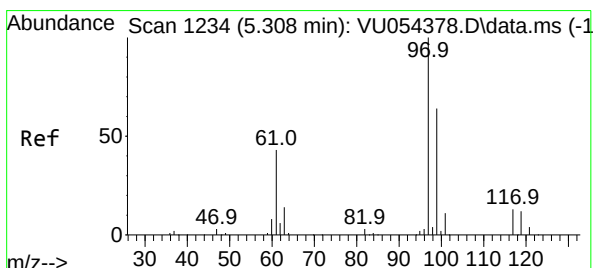
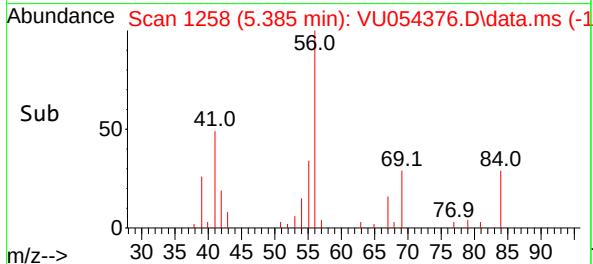
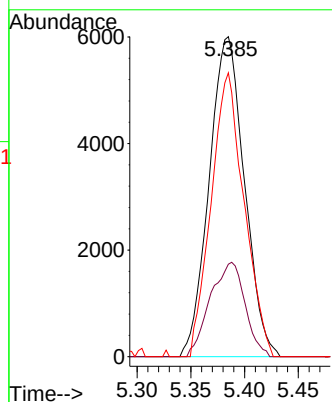
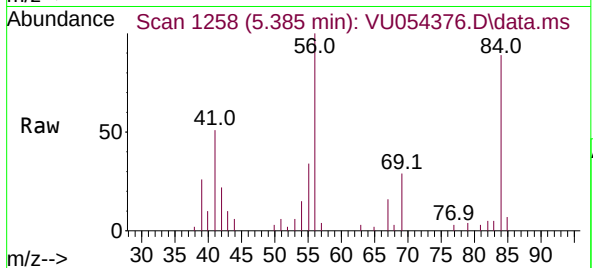
Tgt Ion: 56 Resp: 13698

Ion Ratio Lower Upper

56 100

69 29.1 24.5 36.7

84 82.7 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 5.542 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

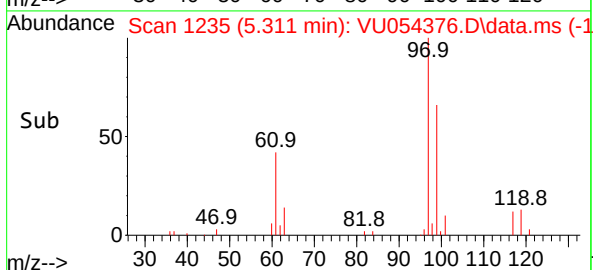
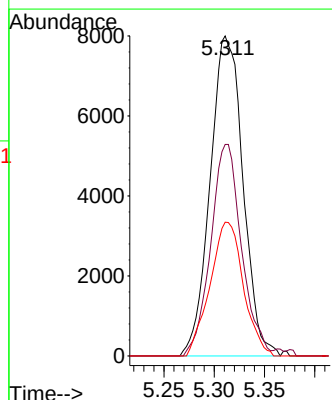
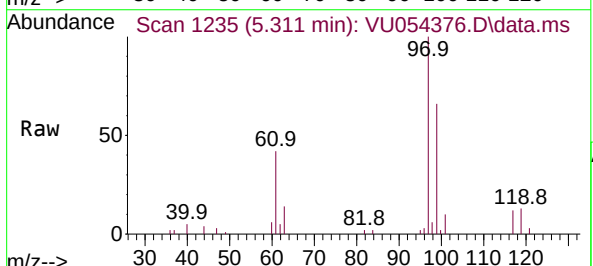
Tgt Ion: 97 Resp: 18190

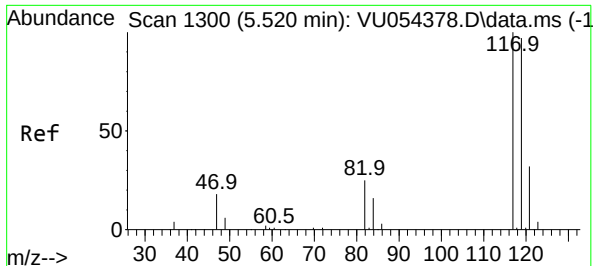
Ion Ratio Lower Upper

97 100

99 61.9 51.9 77.9

61 42.3 35.4 53.0

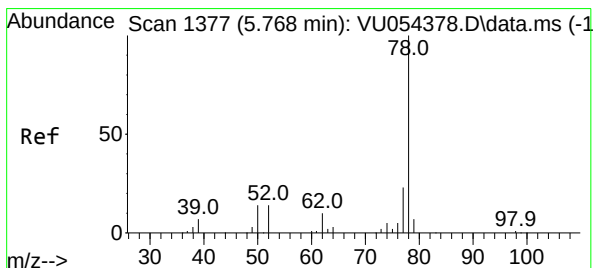
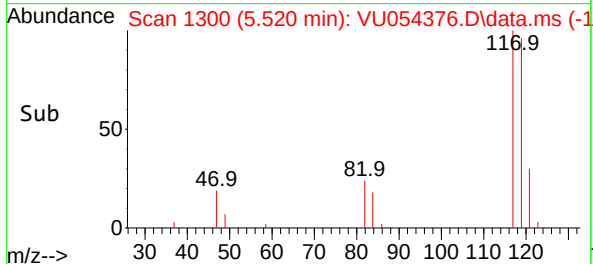
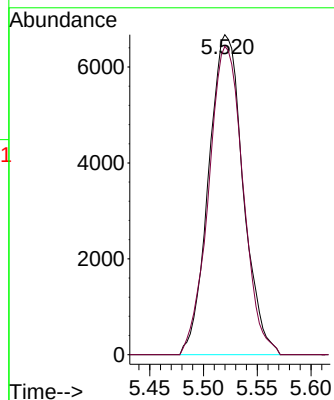
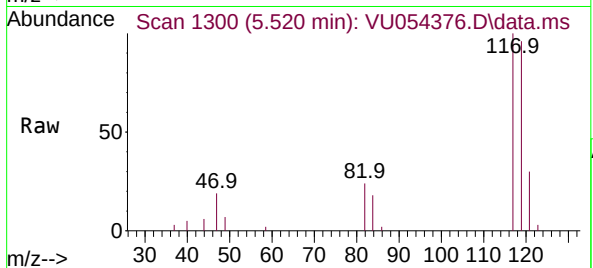




#31
Carbon tetrachloride
Concen: 5.497 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

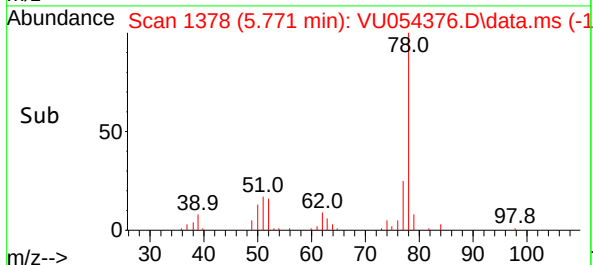
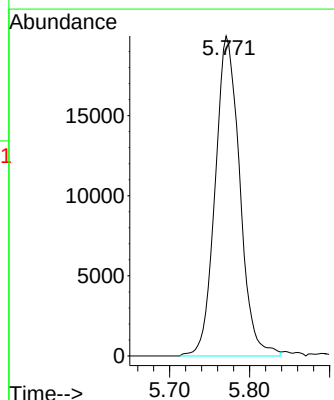
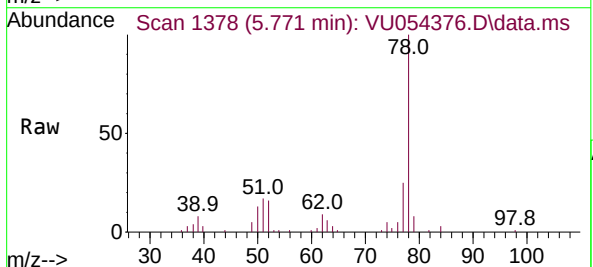
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

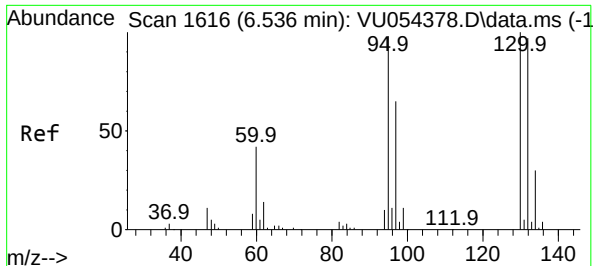
Tgt Ion:117 Resp: 14901
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1



#33
Benzene
Concen: 5.410 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 78 Resp: 42615





#34

Trichloroethene

Concen: 5.754 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

Tgt Ion: 95 Resp: 12048

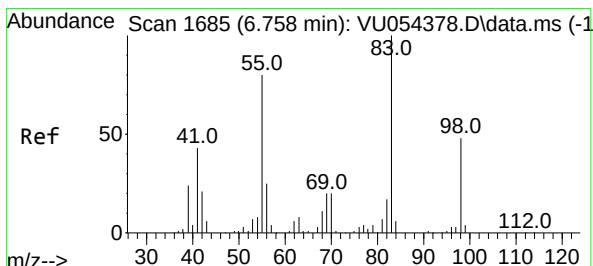
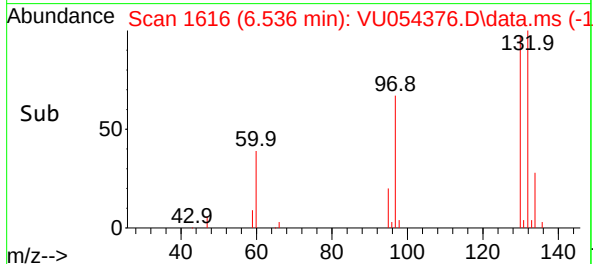
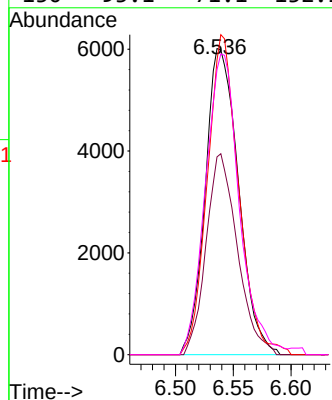
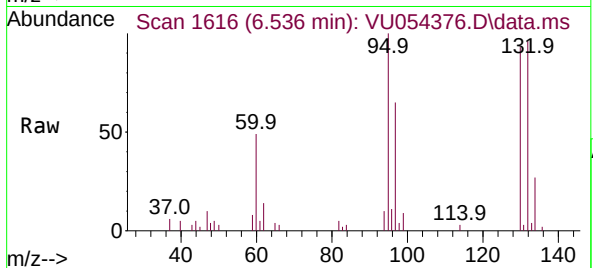
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 96.2 69.3 128.7

130 93.1 71.1 132.1



#35

Methylcyclohexane

Concen: 5.341 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

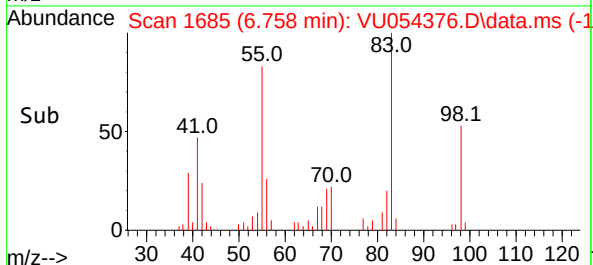
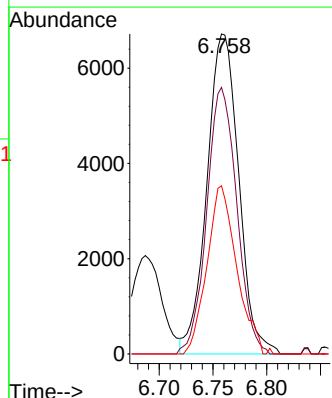
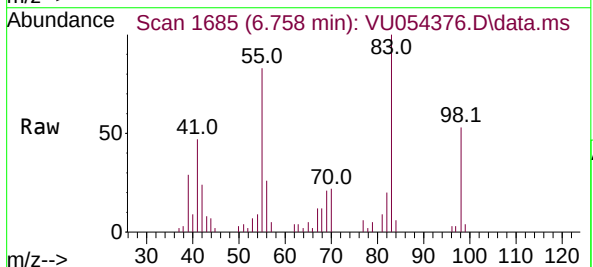
Tgt Ion: 83 Resp: 13792

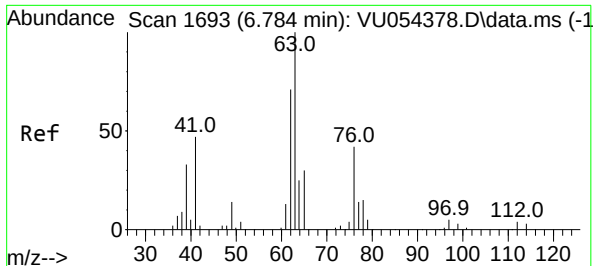
Ion Ratio Lower Upper

83 100

55 78.8 62.7 94.1

98 49.0 37.8 56.6





#37

1,2-Dichloropropane

Concen: 5.431 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

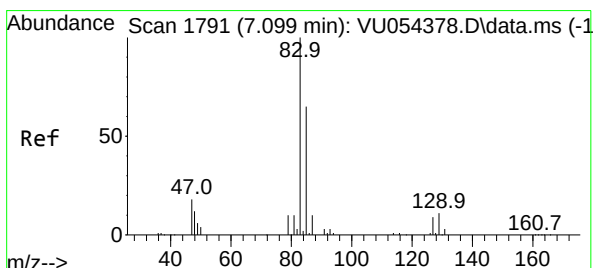
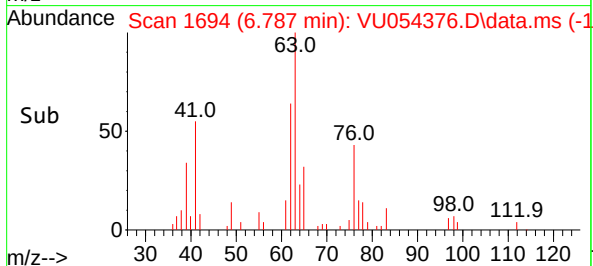
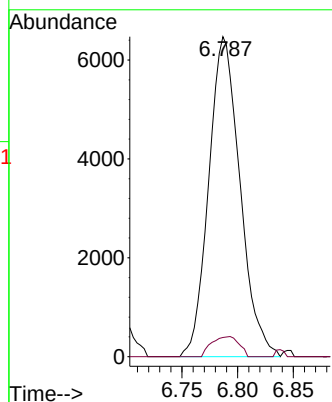
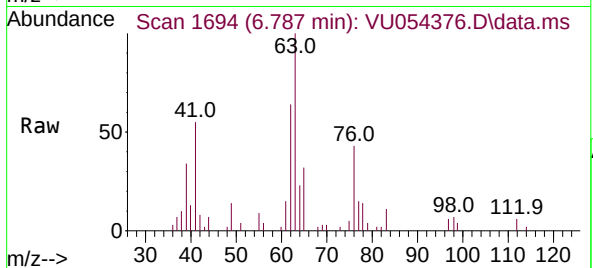
VSTD005023

Tgt Ion: 63 Resp: 12648

Ion Ratio Lower Upper

63 100

112 5.5 3.5 5.3#



#38

Bromodichloromethane

Concen: 5.517 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

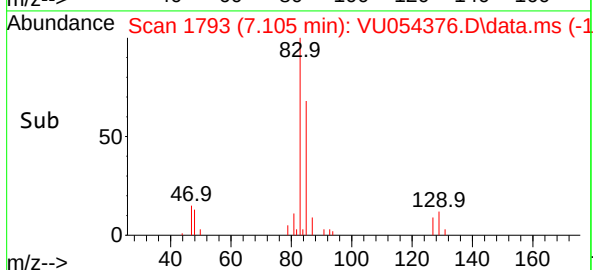
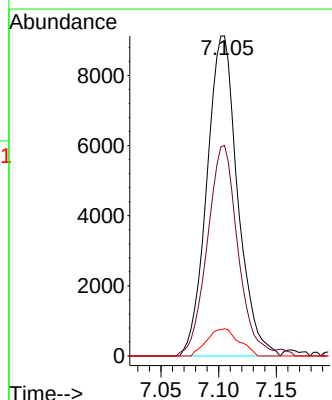
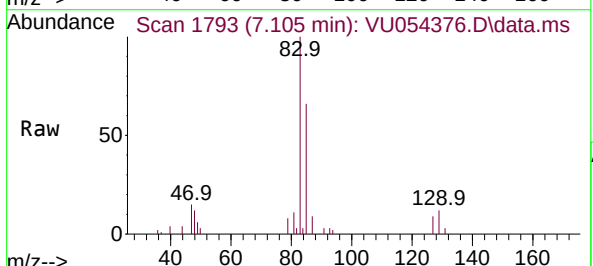
Tgt Ion: 83 Resp: 16949

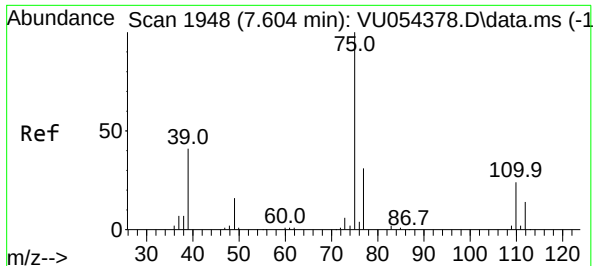
Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.2

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.411 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

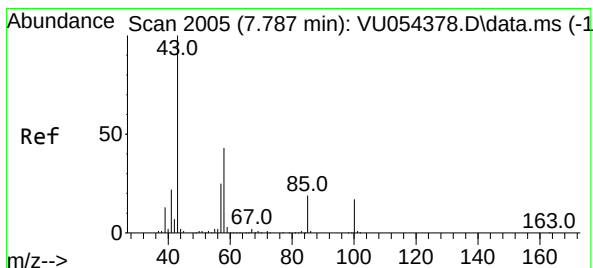
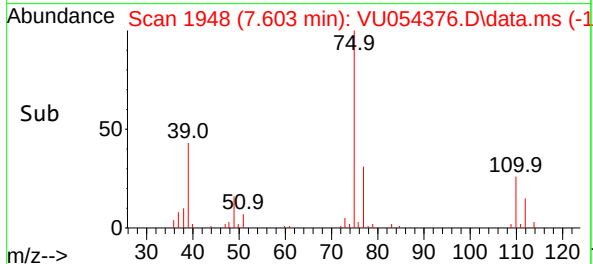
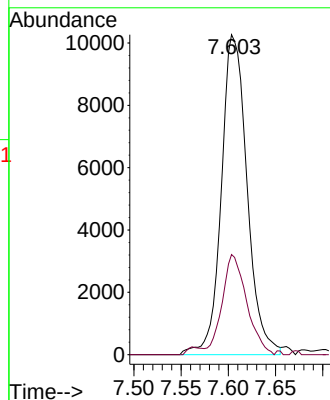
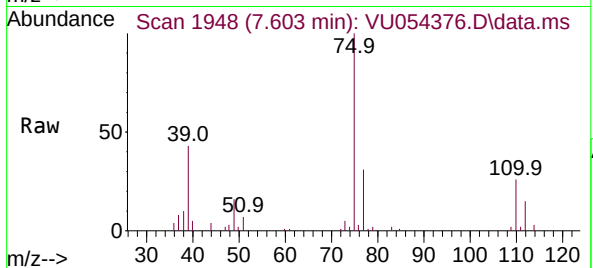
VSTD005023

Tgt Ion: 75 Resp: 19466

Ion Ratio Lower Upper

75 100

77 30.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 10.419 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

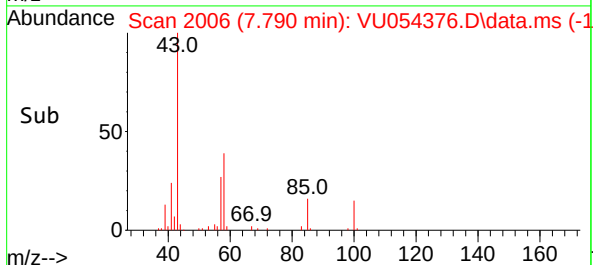
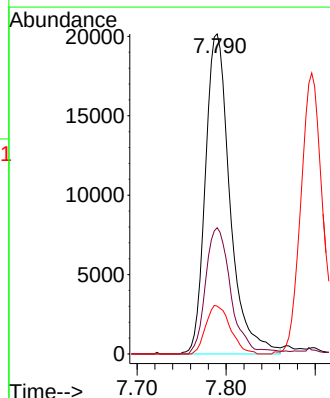
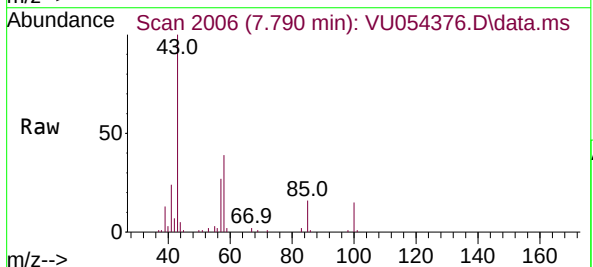
Tgt Ion: 43 Resp: 38693

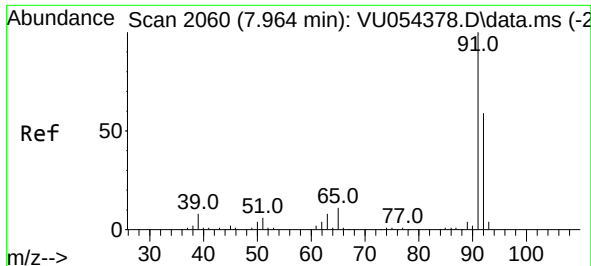
Ion Ratio Lower Upper

43 100

58 39.6 33.9 50.9

100 15.1 13.1 19.7





#42

Toluene

Concen: 5.270 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

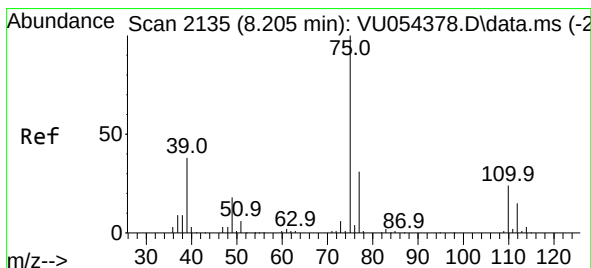
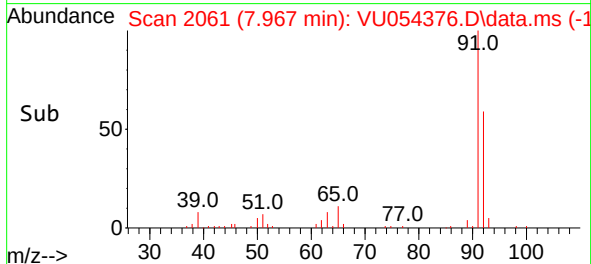
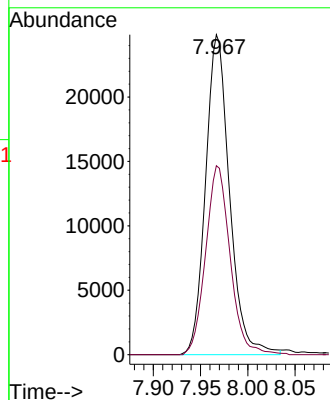
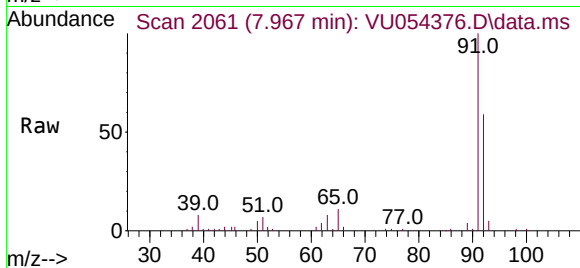
VSTD005023

Tgt Ion: 91 Resp: 43783

Ion Ratio Lower Upper

91 100

92 59.1 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.251 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU054376.D

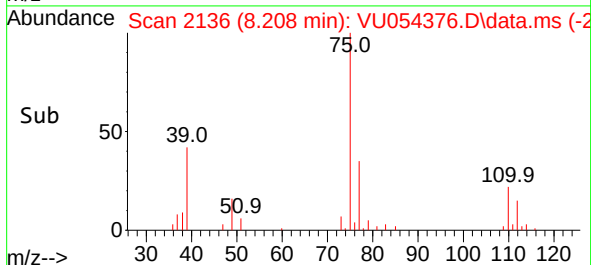
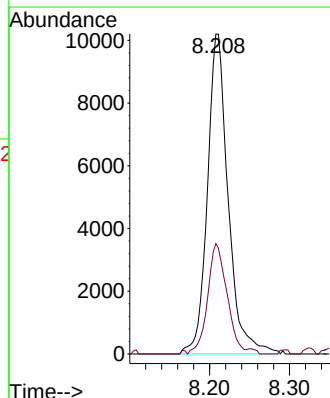
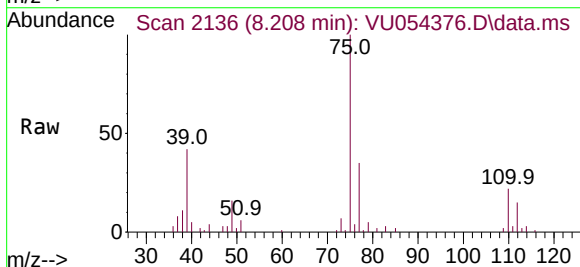
Acq: 01 Jun 2023 16:19

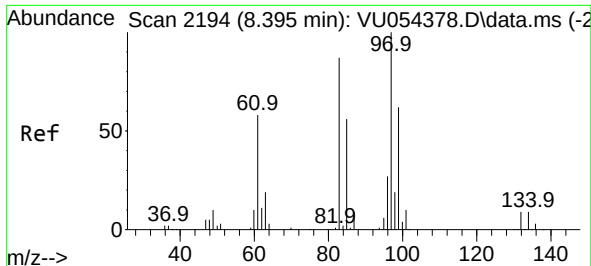
Tgt Ion: 75 Resp: 18401

Ion Ratio Lower Upper

75 100

77 34.5 21.9 40.7

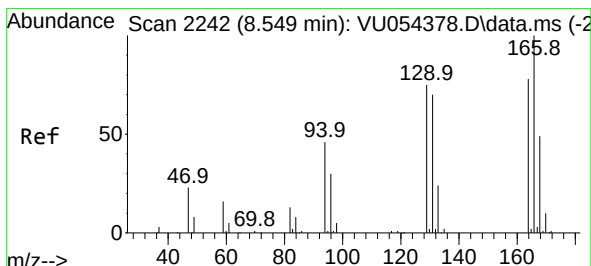
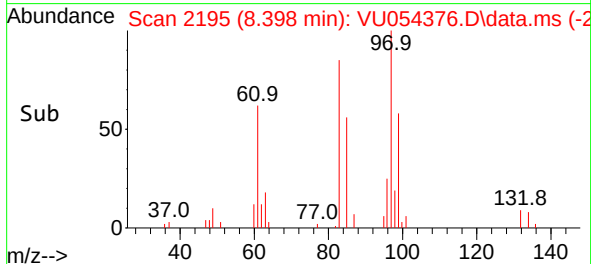
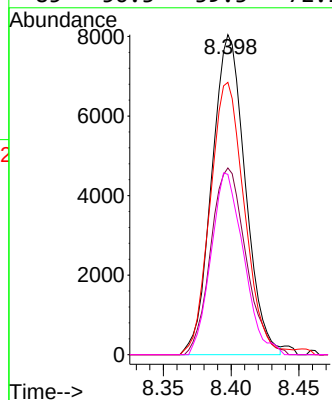
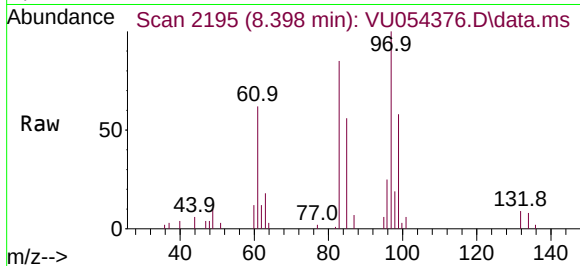




#45
1,1,2-Trichloroethane
Concen: 5.603 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

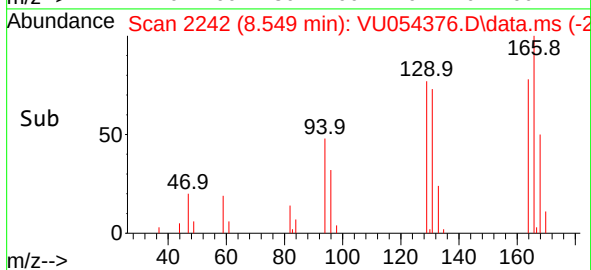
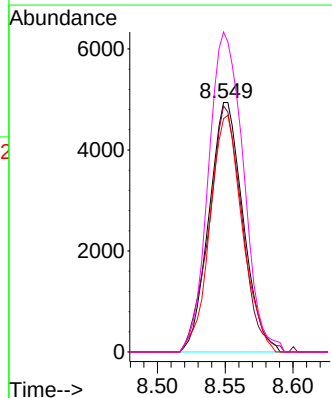
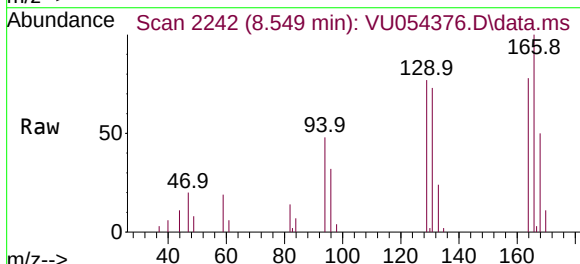
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

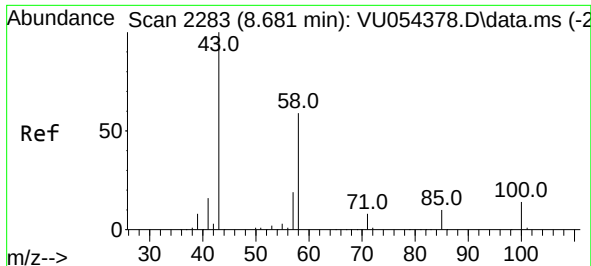
Tgt Ion:	97	Resp:	13805
Ion	Ratio	Lower	Upper
97	100		
99	58.4	43.5	80.9
83	85.1	61.1	113.5
85	56.3	39.3	72.9



#46
Tetrachloroethene
Concen: 5.575 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:	164	Resp:	8597
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.5	125.3
131	93.5	62.8	116.6
166	132.2	89.5	166.3

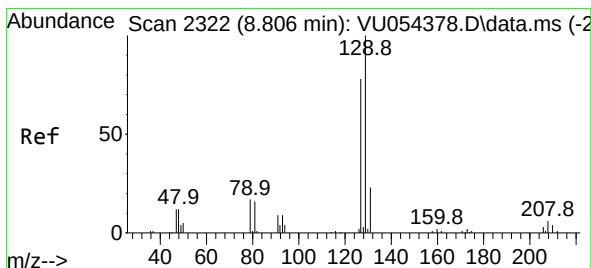
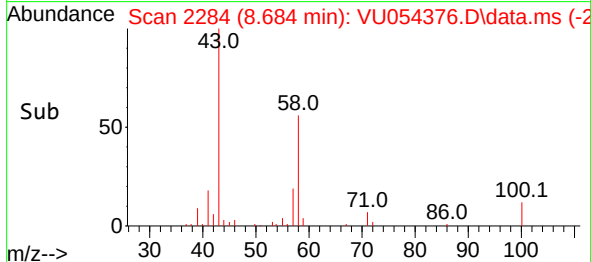
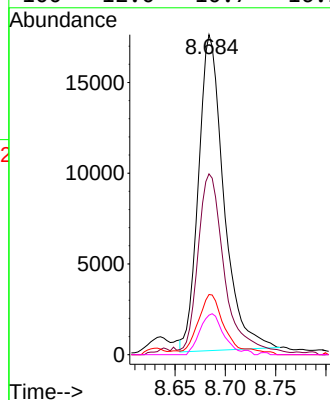
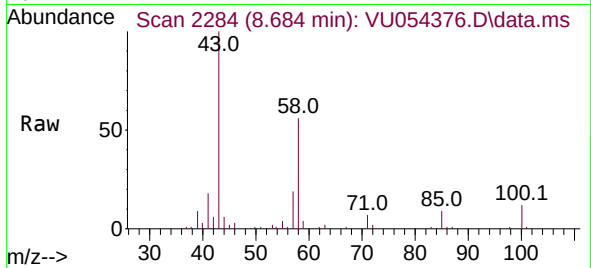




#48
2-Hexanone
Concen: 10.063 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

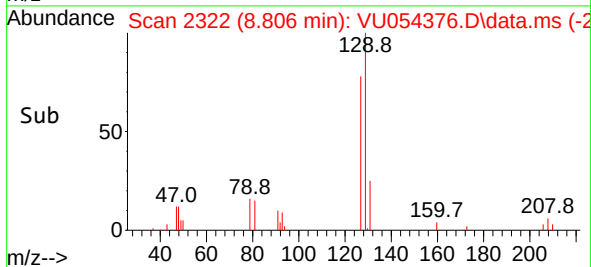
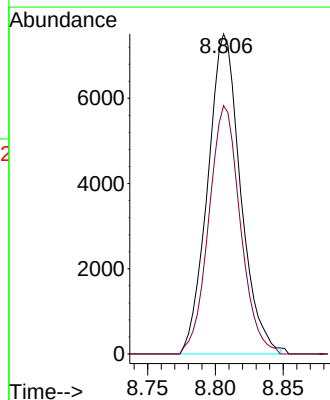
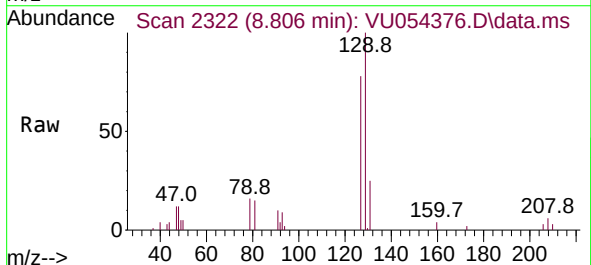
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

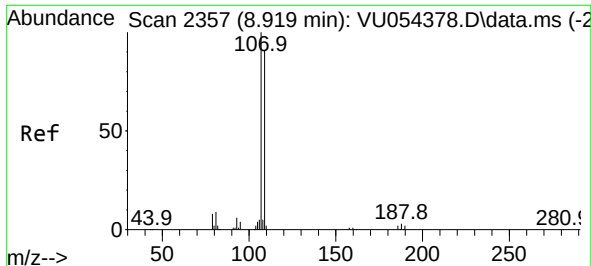
Tgt Ion:	43	Resp:	30455
Ion	Ratio	Lower	Upper
43	100		
58	60.7	47.7	71.5
57	17.1	16.1	24.1
100	12.0	10.7	16.1



#49
Dibromochloromethane
Concen: 5.348 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:	129	Resp:	12662
Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.9	101.9





#50

1,2-Dibromoethane

Concen: 5.659 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

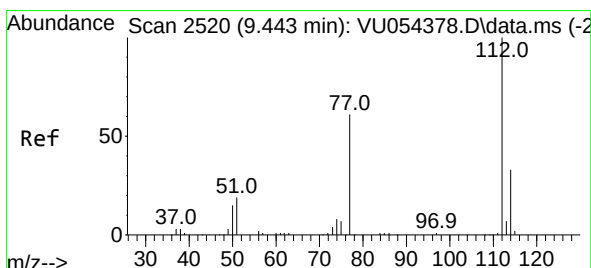
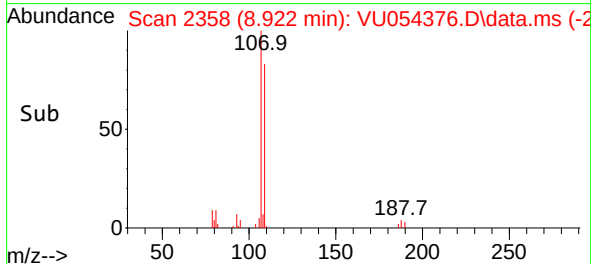
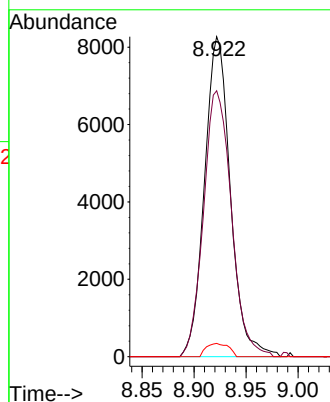
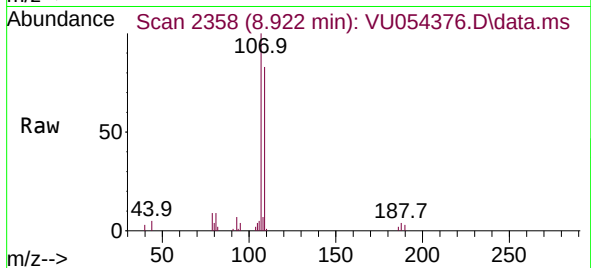
Tgt Ion:107 Resp: 14305

Ion Ratio Lower Upper

107 100

109 83.1 63.8 118.6

188 4.1 2.7 4.1#



#51

Chlorobenzene

Concen: 5.653 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

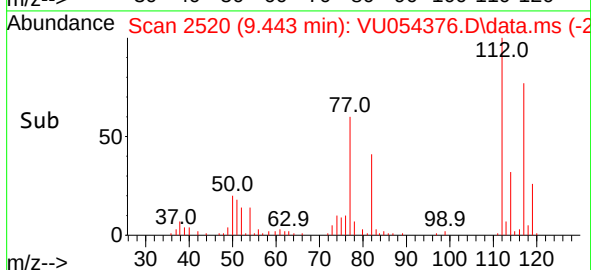
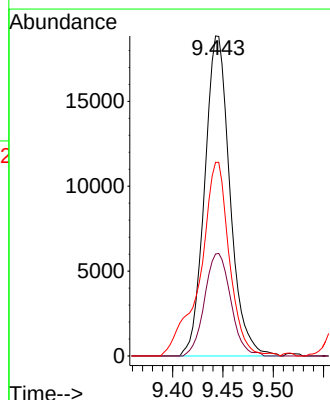
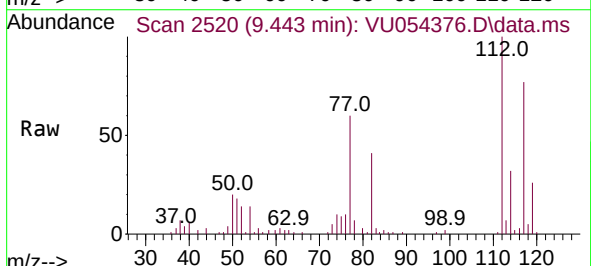
Tgt Ion:112 Resp: 32936

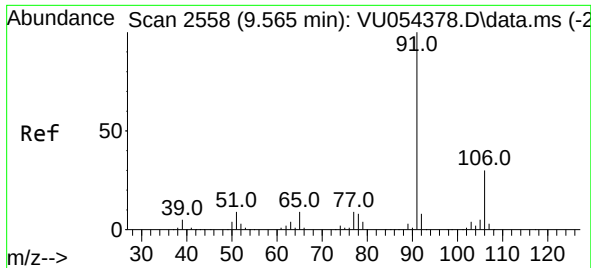
Ion Ratio Lower Upper

112 100

114 31.8 23.2 43.2

77 60.5 49.1 73.7

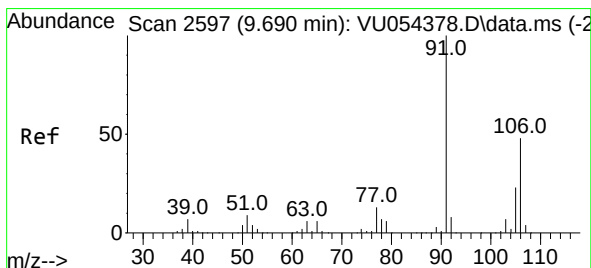
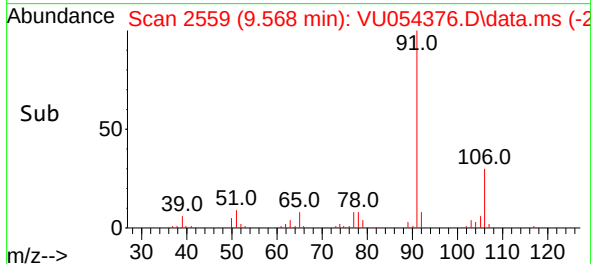
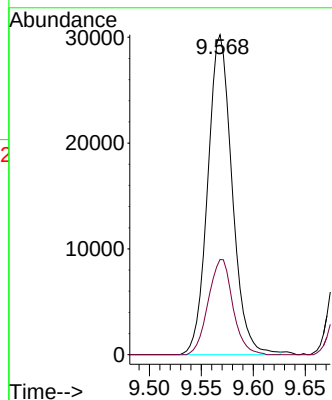
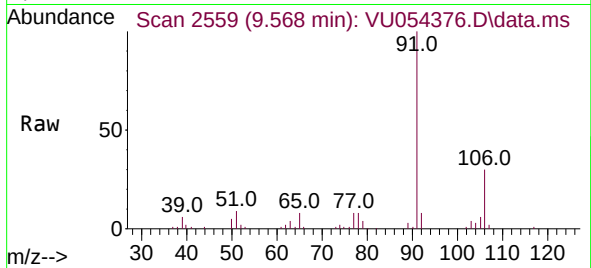




#52
Ethylbenzene
Concen: 5.253 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

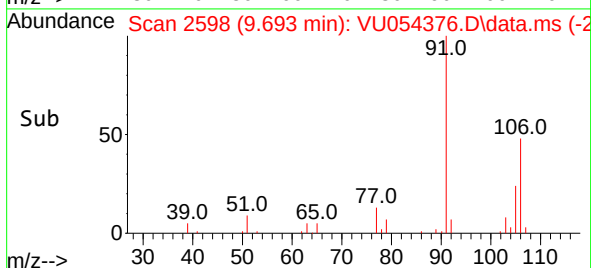
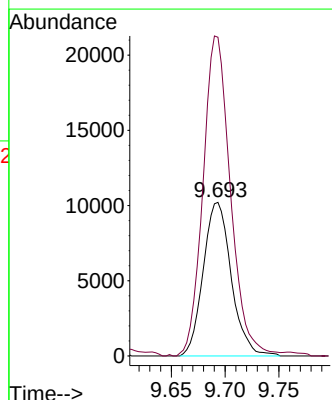
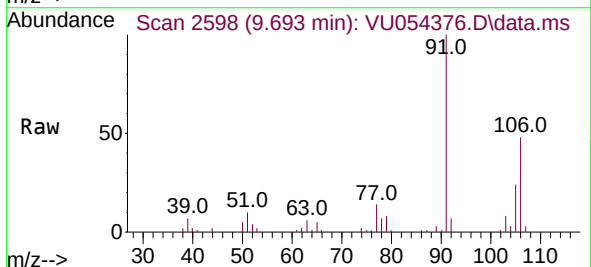
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

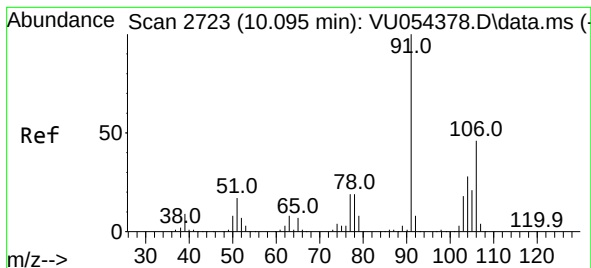
Tgt Ion: 91 Resp: 49316
Ion Ratio Lower Upper
91 100
106 29.7 20.9 38.9



#53
m,p-Xylene
Concen: 5.268 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 106 Resp: 18557
Ion Ratio Lower Upper
106 100
91 207.5 145.7 270.5





#54

o-Xylene

Concen: 5.060 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

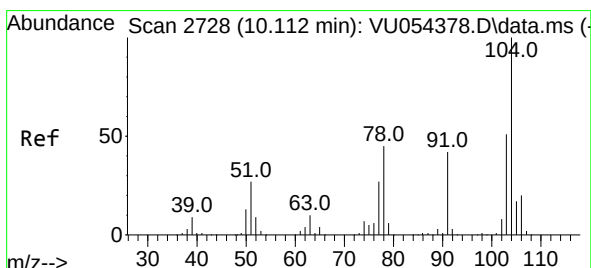
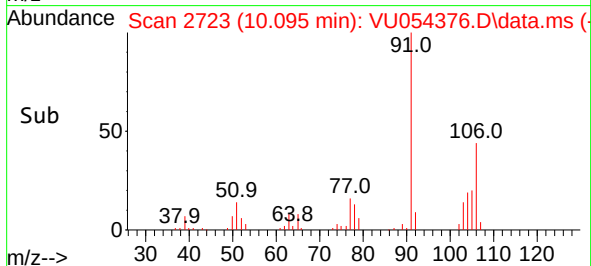
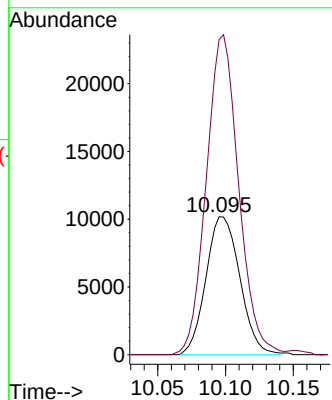
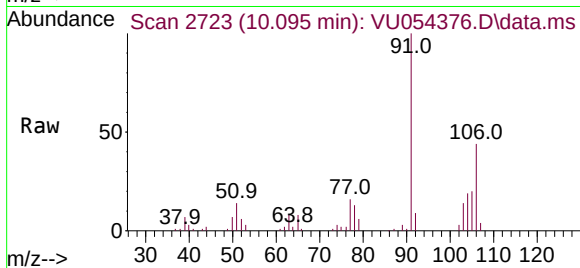
VSTD005023

Tgt Ion:106 Resp: 17708

Ion Ratio Lower Upper

106 100

91 228.4 152.8 283.8



#55

Styrene

Concen: 4.980 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU054376.D

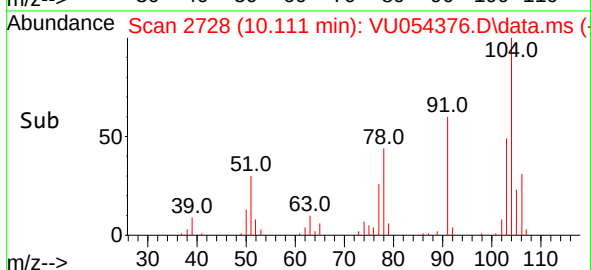
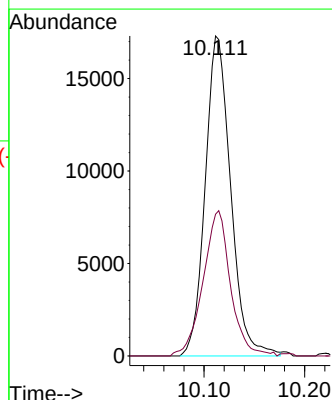
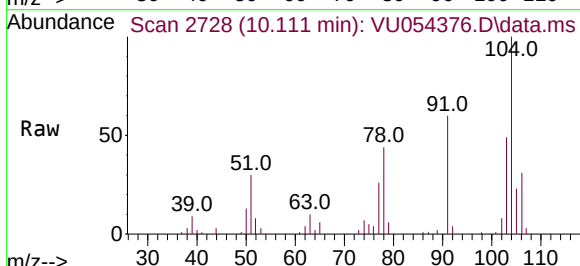
Acq: 01 Jun 2023 16:19

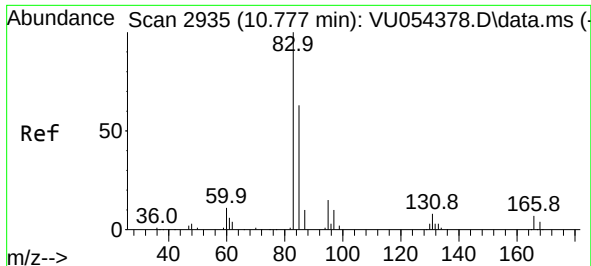
Tgt Ion:104 Resp: 30441

Ion Ratio Lower Upper

104 100

78 44.3 31.9 59.2

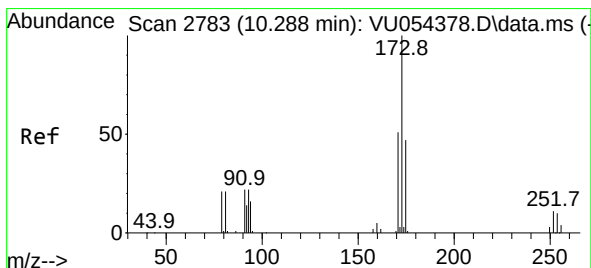
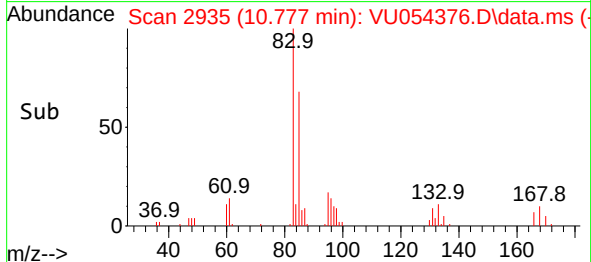
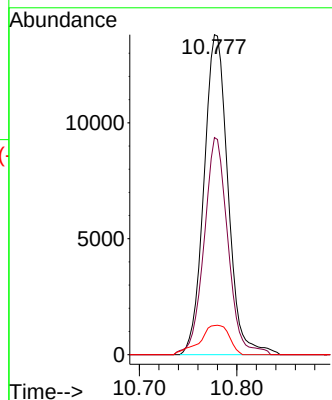
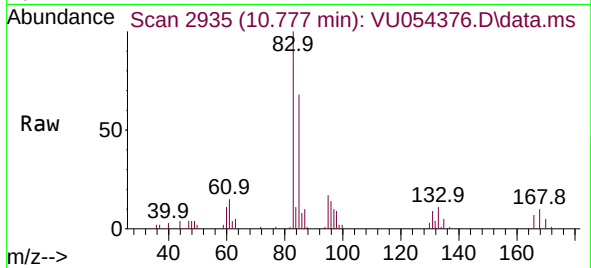




#57
1,1,2,2-Tetrachloroethane
Concen: 5.430 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

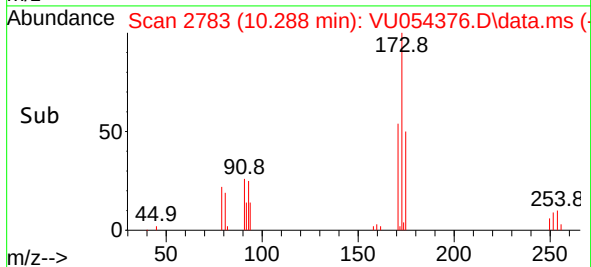
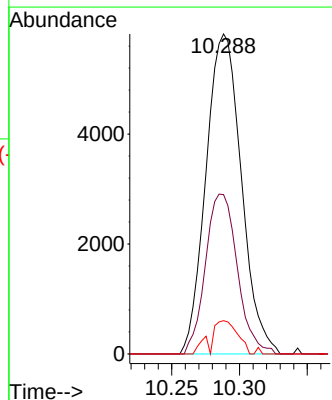
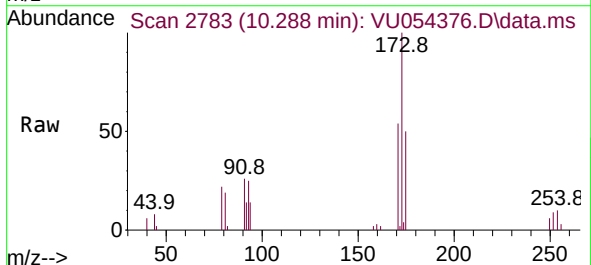
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

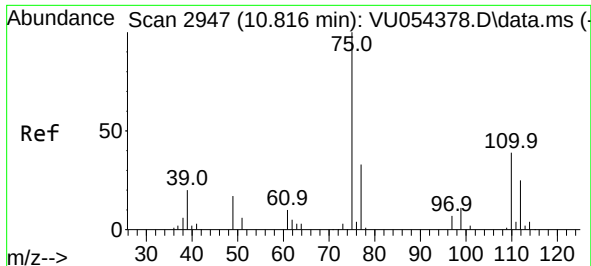
Tgt Ion: 83 Resp: 23665
Ion Ratio Lower Upper
83 100
85 67.8 44.7 82.9
131 9.1 7.2 10.8



#59
Bromoform
Concen: 5.652 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:173 Resp: 10557
Ion Ratio Lower Upper
173 100
175 44.9 38.1 57.1
254 6.7 8.2 12.2#

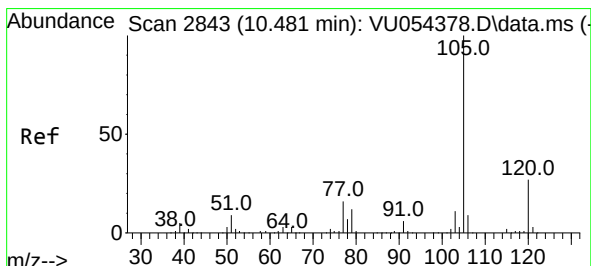
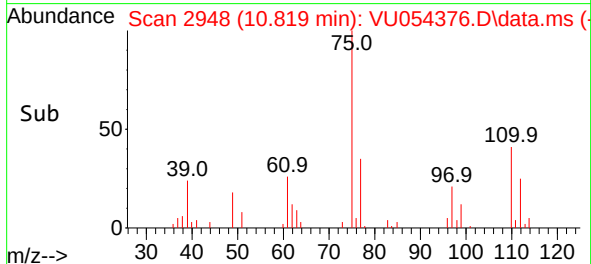
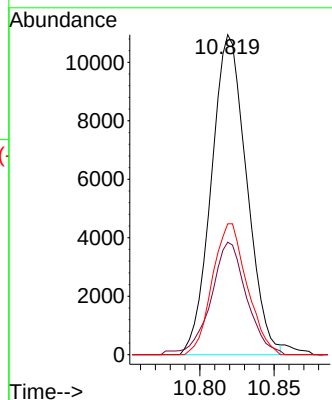
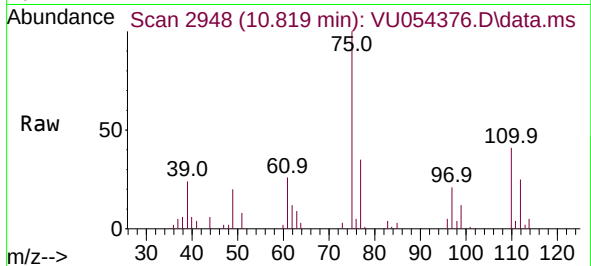




#60
1,2,3-Trichloropropane
Concen: 5.662 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

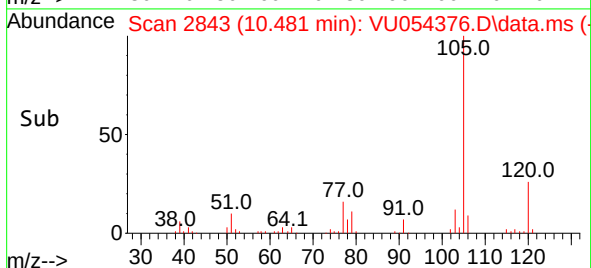
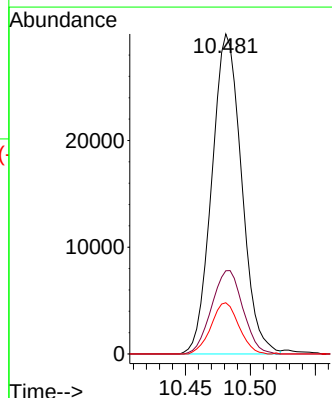
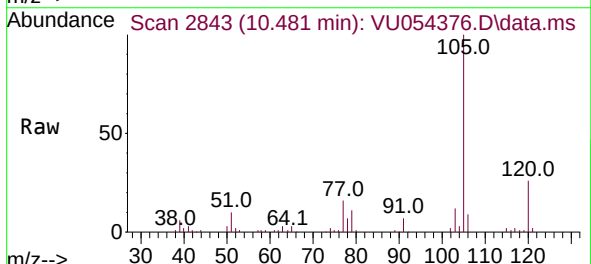
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

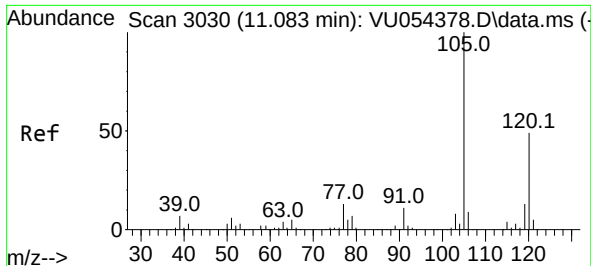
Tgt Ion: 75 Resp: 18065
Ion Ratio Lower Upper
75 100
77 35.1 26.8 40.2
110 40.3 31.4 47.0



#61
Isopropylbenzene
Concen: 5.331 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion: 105 Resp: 47706
Ion Ratio Lower Upper
105 100
120 27.4 20.9 31.3
77 14.9 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 4.987 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

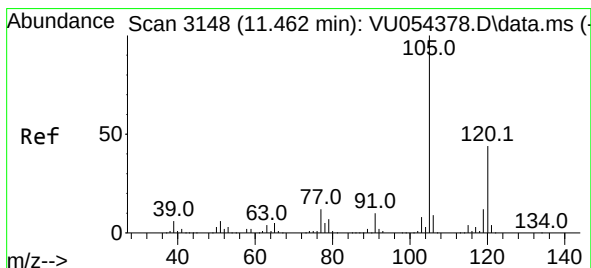
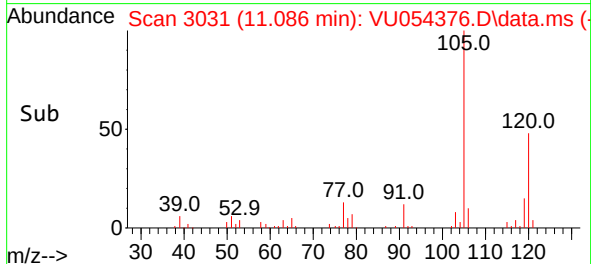
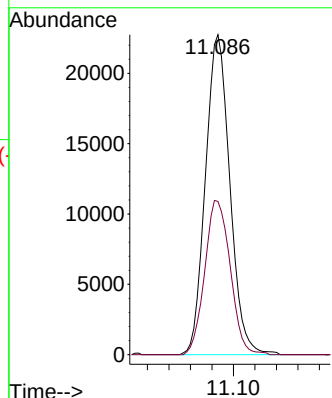
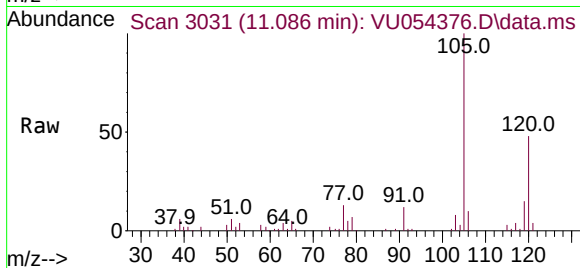
VSTD005023

Tgt Ion:105 Resp: 35894

Ion Ratio Lower Upper

105 100

120 50.3 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 4.871 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU054376.D

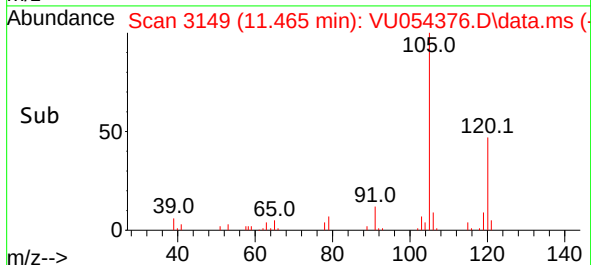
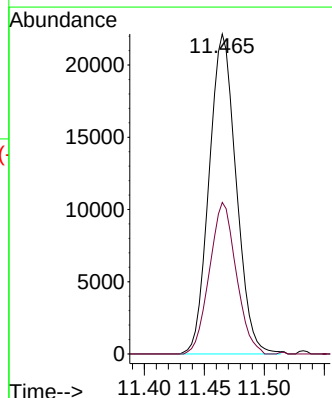
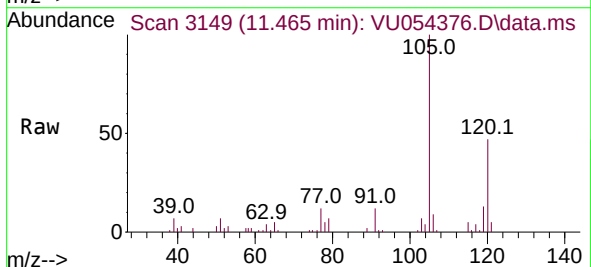
Acq: 01 Jun 2023 16:19

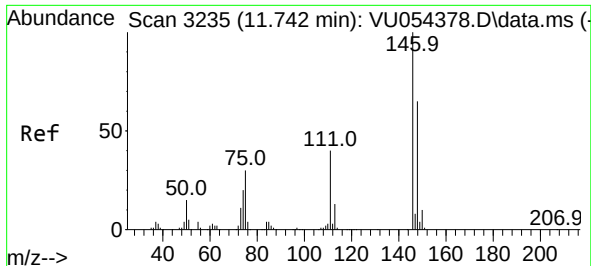
Tgt Ion:105 Resp: 34717

Ion Ratio Lower Upper

105 100

120 46.8 35.9 53.9

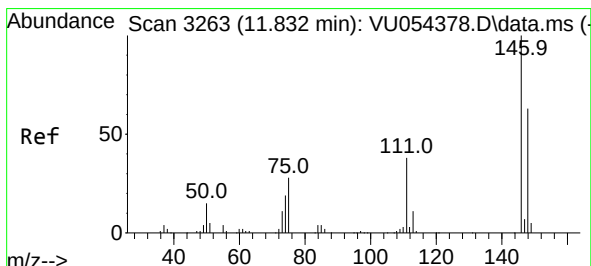
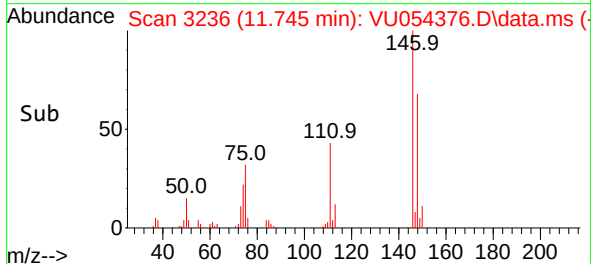
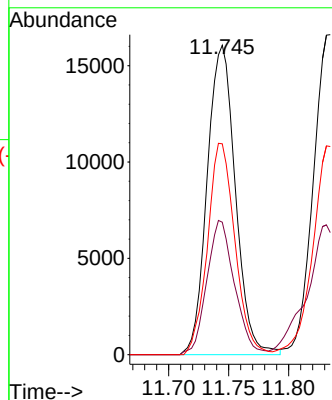
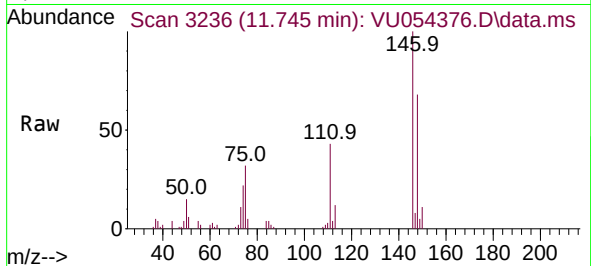




#64
1,3-Dichlorobenzene
Concen: 5.736 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

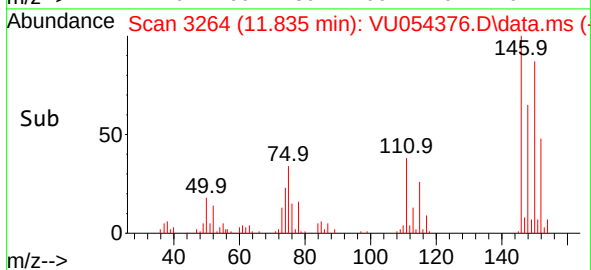
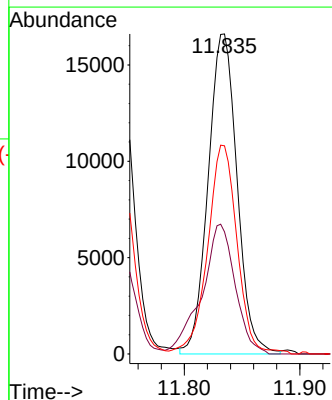
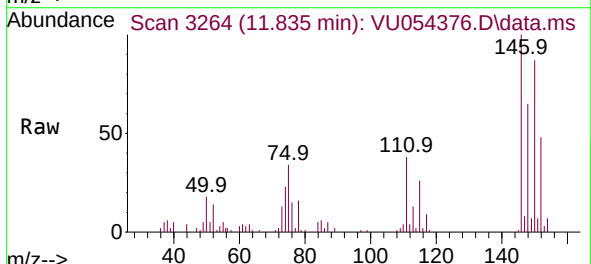
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

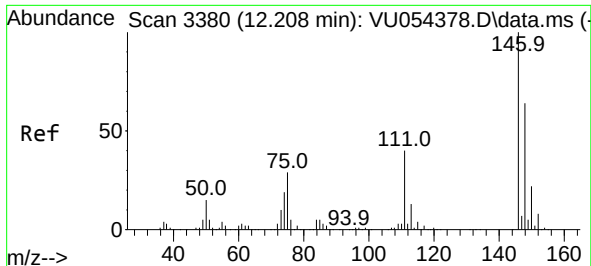
Tgt Ion:146 Resp: 26285
Ion Ratio Lower Upper
146 100
111 42.8 28.2 52.4
148 68.1 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 5.958 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:146 Resp: 28920
Ion Ratio Lower Upper
146 100
111 38.2 26.9 50.1
148 65.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 5.751 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

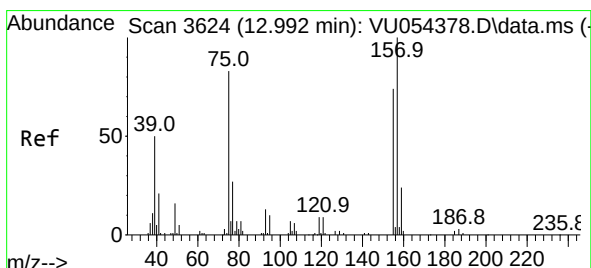
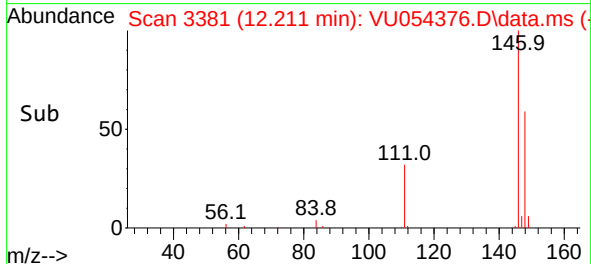
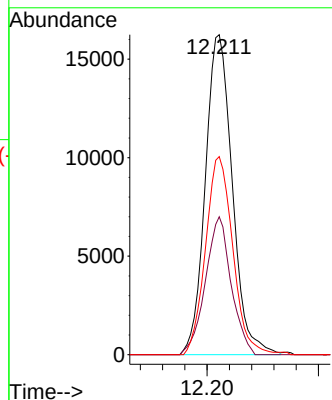
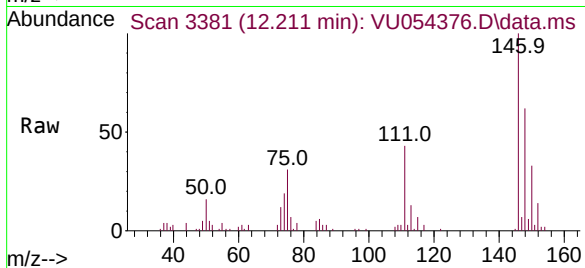
Tgt Ion:146 Resp: 27369

Ion Ratio Lower Upper

146 100

111 43.1 31.9 47.9

148 61.9 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.431 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054376.D

Acq: 01 Jun 2023 16:19

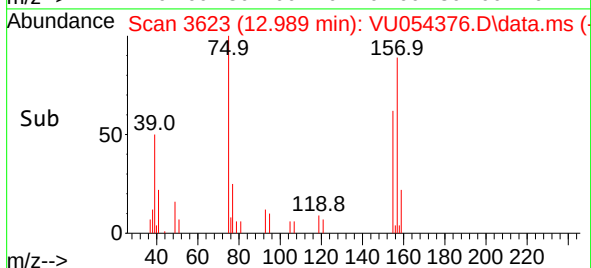
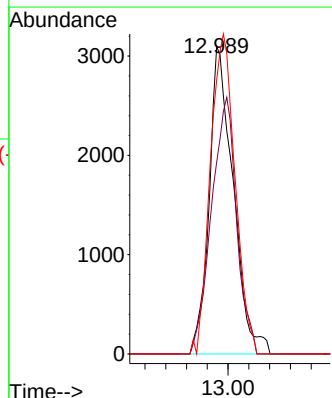
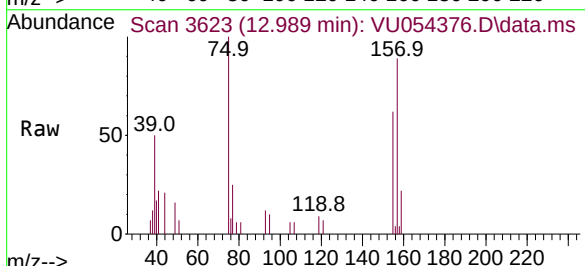
Tgt Ion: 75 Resp: 4990

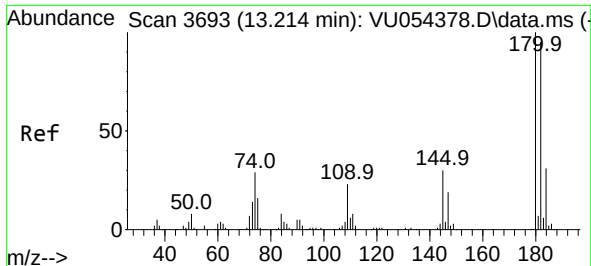
Ion Ratio Lower Upper

75 100

155 62.4 72.0 108.0#

157 89.2 96.7 145.1#

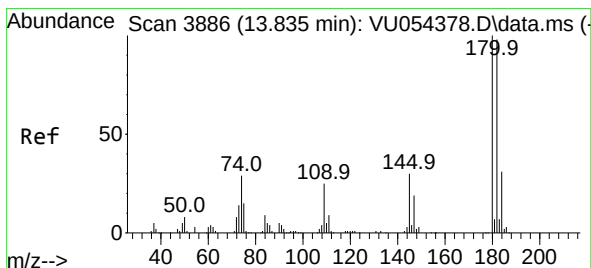
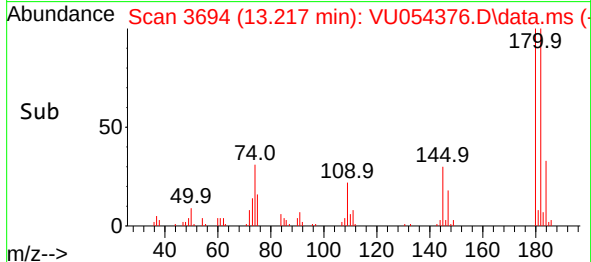
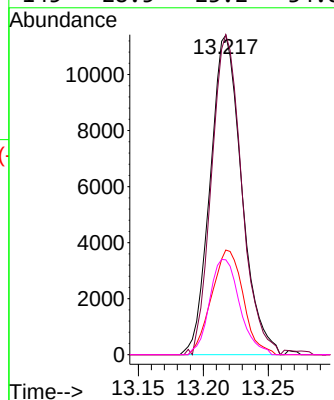
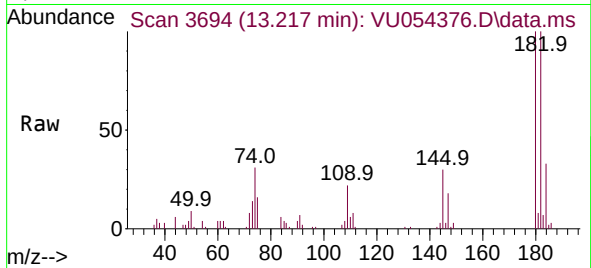




#69
1,3,5-Trichlorobenzene
Concen: 5.627 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

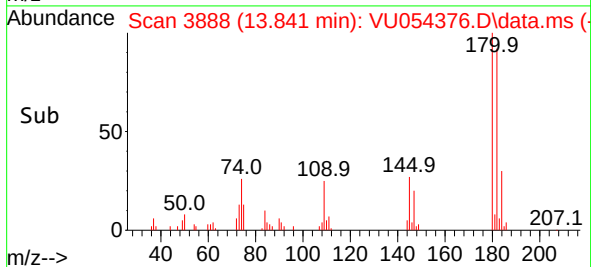
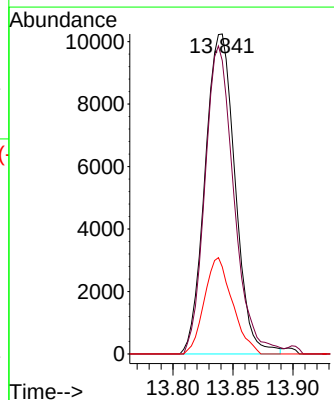
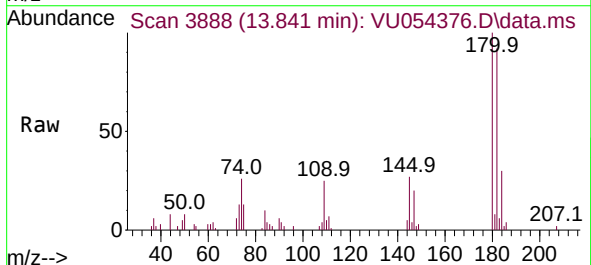
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

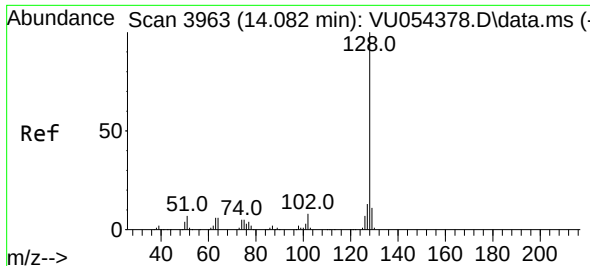
Tgt Ion:180	Resp:	19225
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.8 113.6
184	32.8	24.2 36.2
145	28.5	23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 5.557 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:180	Resp:	17852
Ion Ratio	Lower	Upper
180	100	
182	92.9	77.0 115.6
145	28.0	23.7 35.5

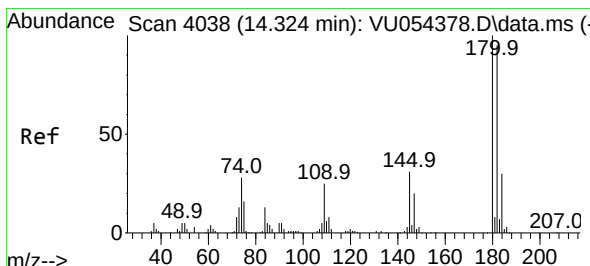
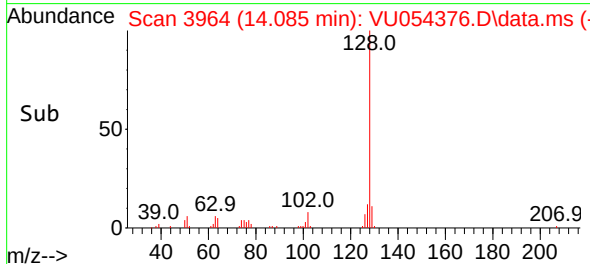
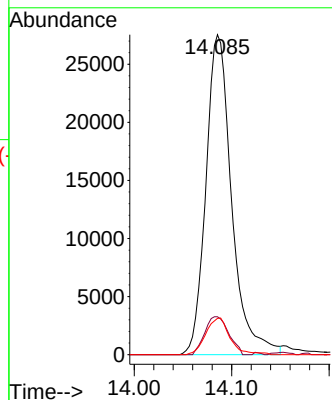
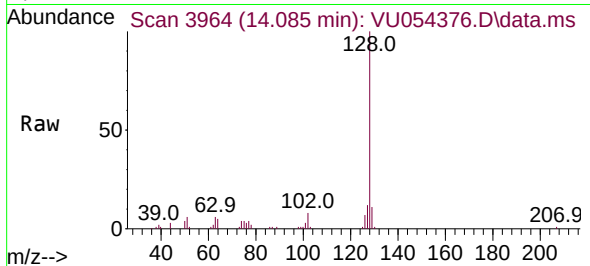




#71
Naphthalene
Concen: 5.017 ug/L
RT: 14.085 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

Tgt Ion:128 Resp: 50624
Ion Ratio Lower Upper
128 100
127 11.0 10.3 15.5
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 5.436 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU054376.D
Acq: 01 Jun 2023 16:19

Tgt Ion:180 Resp: 17774
Ion Ratio Lower Upper
180 100
182 94.7 76.0 114.0
145 31.5 25.3 37.9

