

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053364.D
 Acq On : 22 Mar 2023 19:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050172

Quant Time: Mar 23 03:57:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	106170	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	104140	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	52522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	40002	40.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.680%
7) Chloroethane-d5	1.912	69	40418	51.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.020%
11) 1,1-Dichloroethene-d2	2.568	63	71434	42.100	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.200%
21) 2-Butanone-d5	4.620	46	52979	116.620	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.620%
24) Chloroform-d	5.057	84	71920	44.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.160%
26) 1,2-Dichloroethane-d4	5.697	65	48296	48.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
32) Benzene-d6	5.723	84	145950	43.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.420%
36) 1,2-Dichloropropane-d6	6.687	67	47994	44.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.040%
41) Toluene-d8	7.893	98	137776	43.810	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.620%
43) trans-1,3-Dichloroprop...	8.176	79	23376	43.460	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.920%
47) 2-Hexanone-d5	8.626	63	35950	105.478	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	72216	51.136	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.280%
66) 1,2-Dichlorobenzene-d4	12.189	152	48459	47.650	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	42261	38.135	ug/L	100
3) Chloromethane	1.520	50	42985	42.095	ug/L	99
5) Vinyl chloride	1.604	62	49680	44.474	ug/L	99
6) Bromomethane	1.858	94	34134	50.835	ug/L	97
8) Chloroethane	1.932	64	36258	54.950	ug/L	99
9) Trichlorofluoromethane	2.137	101	63628	45.653	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	34816	41.295	ug/L	97
12) 1,1-Dichloroethene	2.578	96	31784	40.764	ug/L	92
13) Acetone	2.633	43	40928	79.104	ug/L	95
14) Carbon disulfide	2.790	76	89210	37.775	ug/L	99
15) Methyl Acetate	2.945	43	39473	55.660	ug/L	99
16) Methylene chloride	3.044	84	40404	42.715	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	31612	39.959	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	122513	46.054	ug/L	97
19) 1,1-Dichloroethane	3.864	63	73180	45.316	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	40940	44.059	ug/L	92
22) 2-Butanone	4.700	43	61907	105.025	ug/L	97
23) Bromochloromethane	4.970	128	19380	43.741	ug/L	89
25) Chloroform	5.079	83	74222	45.930	ug/L	99

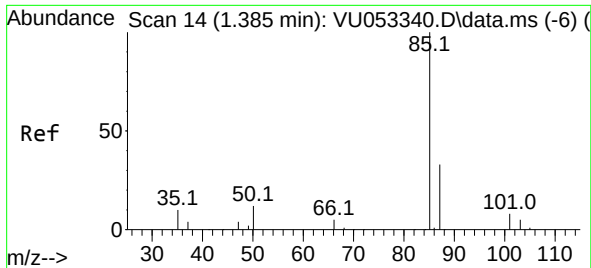
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	62901	49.309	ug/L	98
29) Cyclohexane	5.385	56	64301	41.438	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	60160	42.381	ug/L	97
31) Carbon tetrachloride	5.517	117	48055	41.322	ug/L	98
33) Benzene	5.768	78	163309	45.232	ug/L	100
34) Trichloroethene	6.536	95	41104	43.663	ug/L	98
35) Methylcyclohexane	6.758	83	66617	40.370	ug/L	98
37) 1,2-Dichloropropane	6.787	63	47337	46.994	ug/L	100
38) Bromodichloromethane	7.099	83	55146	43.992	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	73350	44.322	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	118001	113.972	ug/L	97
42) Toluene	7.964	91	175953	45.331	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	68797	45.477	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	43128	47.021	ug/L	96
46) Tetrachloroethene	8.549	164	25534	41.690	ug/L	98
48) 2-Hexanone	8.677	43	92427	106.607	ug/L	97
49) Dibromochloromethane	8.806	129	39127	41.702	ug/L	95
50) 1,2-Dibromoethane	8.919	107	45568	46.625	ug/L	99
51) Chlorobenzene	9.443	112	109086	45.093	ug/L	97
52) Ethylbenzene	9.565	91	198068	44.998	ug/L	97
53) m,p-Xylene	9.690	106	72449	44.099	ug/L	99
54) o-Xylene	10.095	106	71858	44.224	ug/L	100
55) Styrene	10.108	104	124577	46.002	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	77572	51.585	ug/L	98
59) Bromoform	10.285	173	25769	43.114	ug/L #	96
60) 1,2,3-Trichloropropane	10.819	75	59653	57.157	ug/L	97
61) Isopropylbenzene	10.478	105	192535	46.396	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	156652	45.604	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	152648	45.590	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	79597	45.735	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	80361	45.994	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	80036	46.011	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	16015	55.492	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	48031	43.529	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	44536	44.920	ug/L	99
71) Naphthalene	14.082	128	170218	50.937	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	45131	48.000	ug/L	99

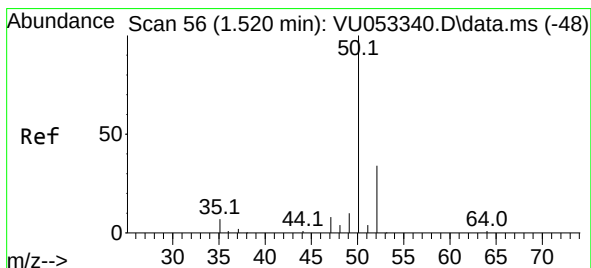
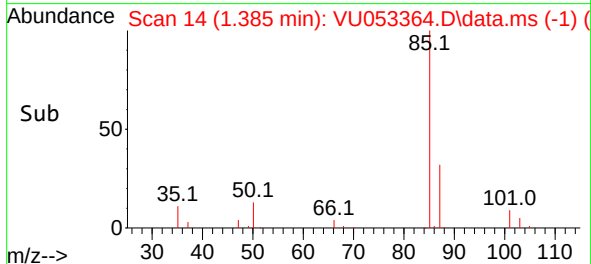
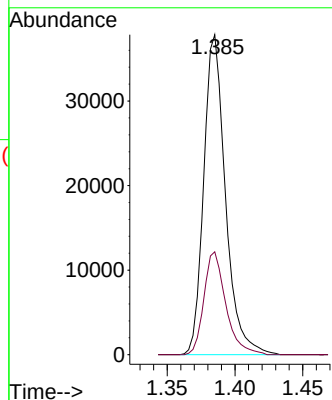
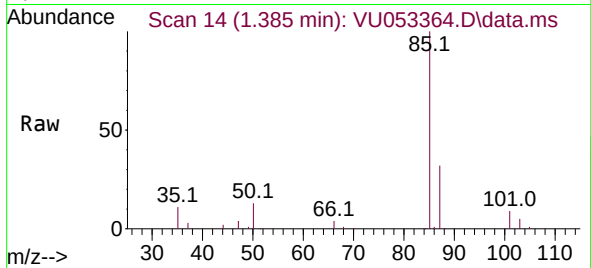
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 38.135 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

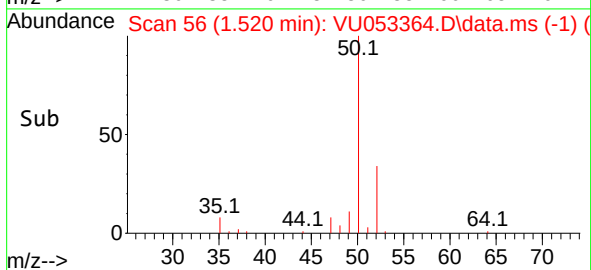
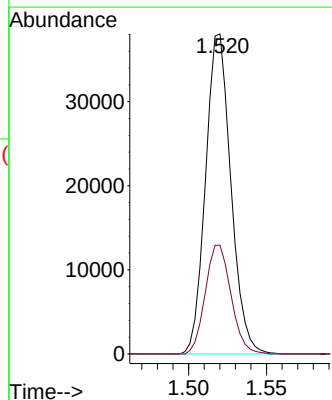
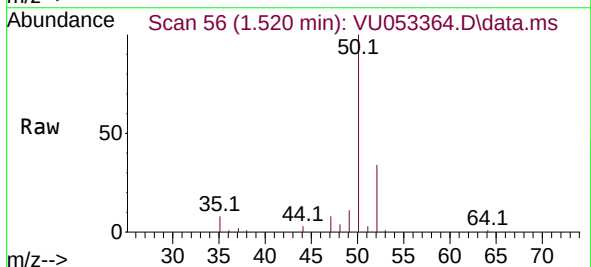
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

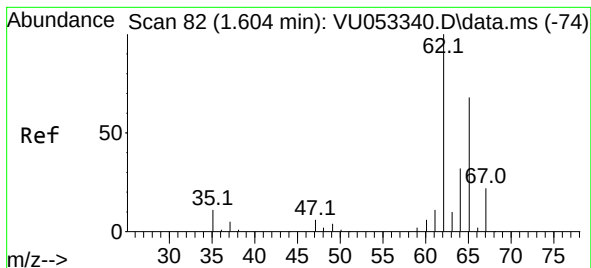
Tgt Ion: 85 Resp: 42261
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.8



#3
Chloromethane
Concen: 42.095 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 50 Resp: 42985
Ion Ratio Lower Upper
50 100
52 34.0 23.4 43.4





#5

Vinyl chloride

Concen: 44.474 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

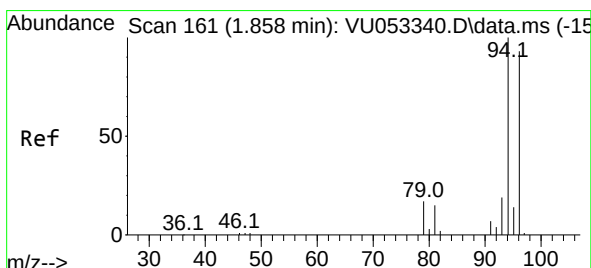
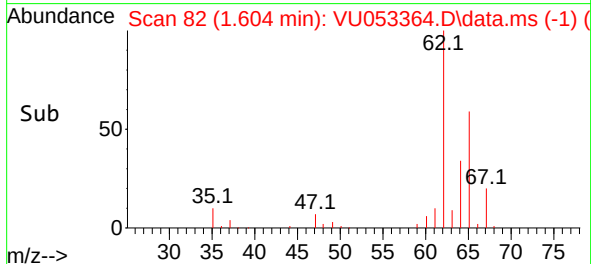
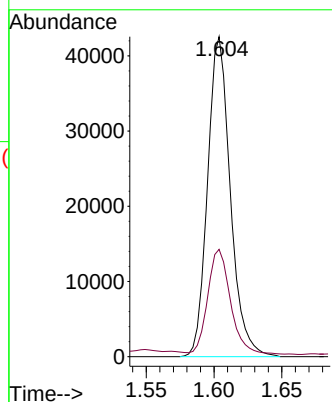
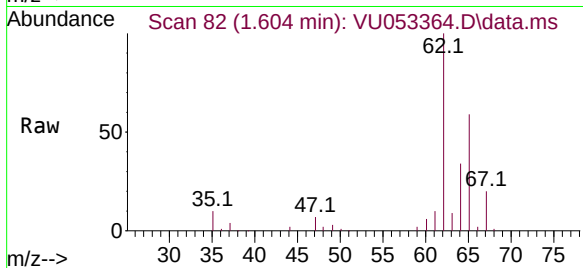
VSTD050172

Tgt Ion: 62 Resp: 49680

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 50.835 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU053364.D

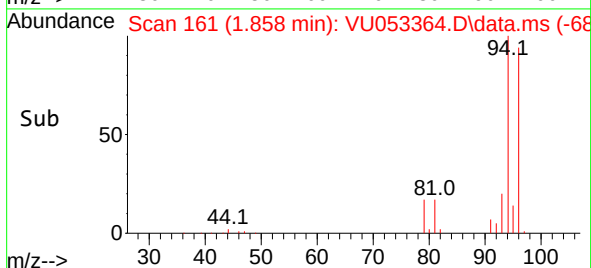
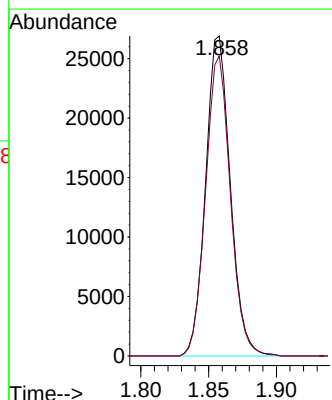
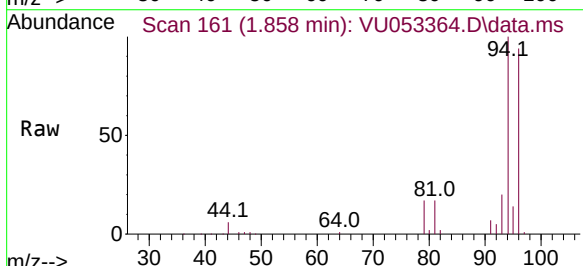
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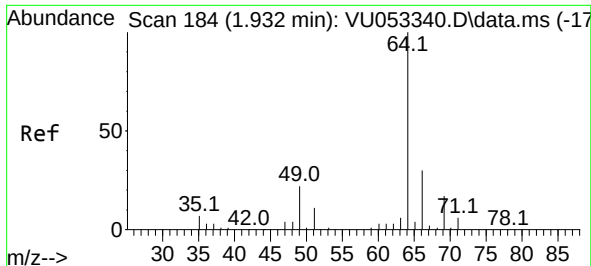
Tgt Ion: 94 Resp: 34134

Ion Ratio Lower Upper

94 100

96 93.8 67.5 125.3

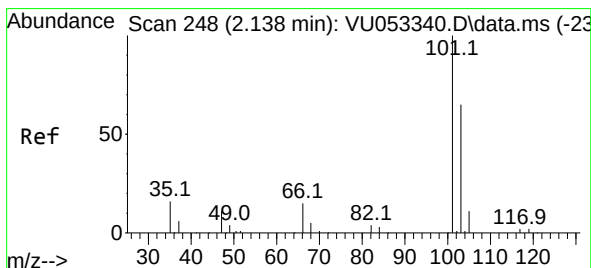
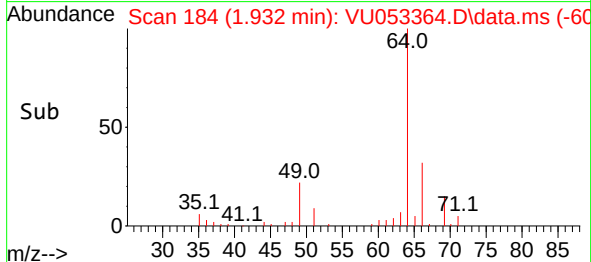
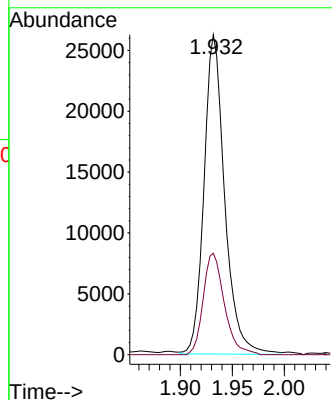
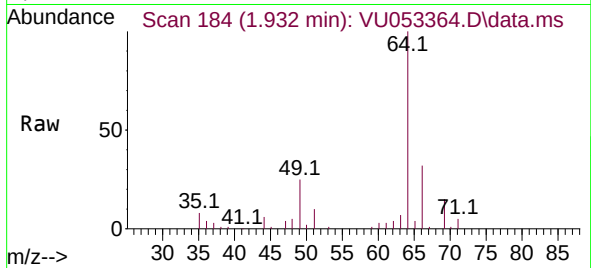




#8
Chloroethane
Concen: 54.950 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

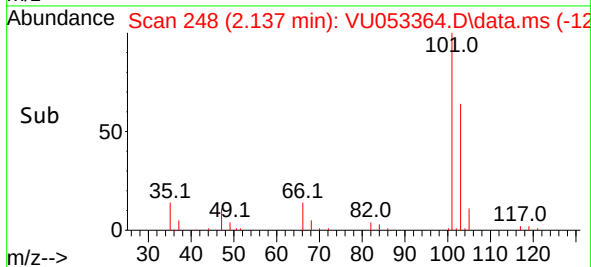
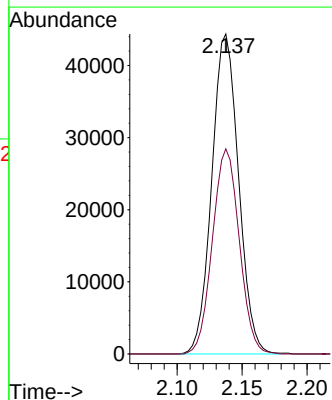
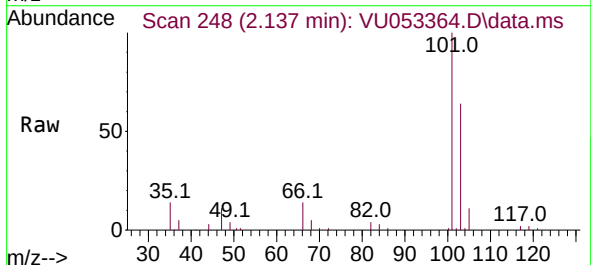
Instrument :
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ClientSampleId :
VSTD050172

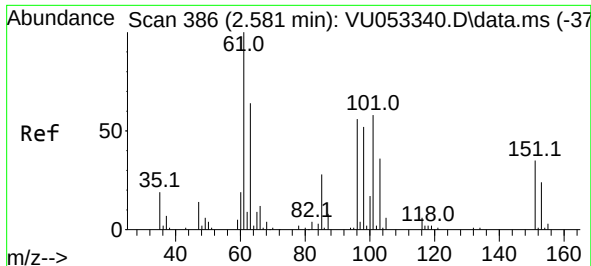
Tgt Ion: 64 Resp: 36258
Ion Ratio Lower Upper
64 100
66 31.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 45.653 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:101 Resp: 63628
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

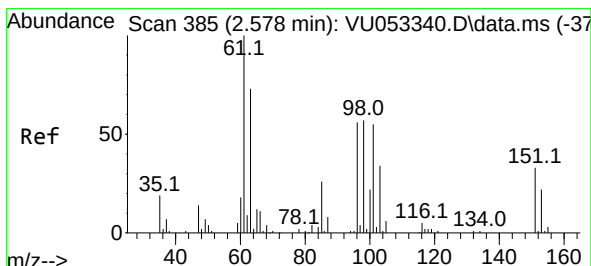
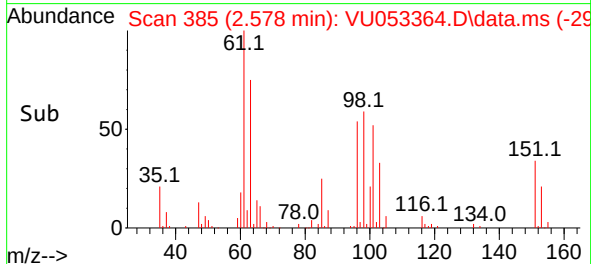
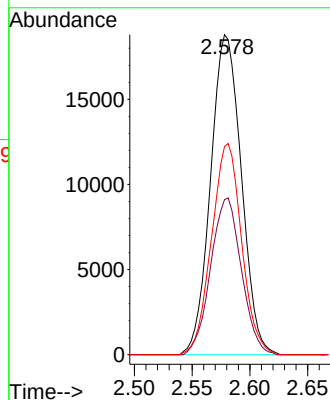
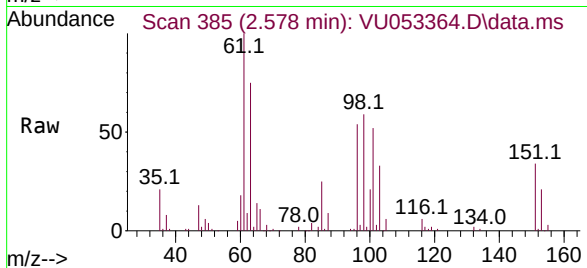




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.295 ug/L
 RT: 2.578 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU053364.D
 Acq: 22 Mar 2023 19:55

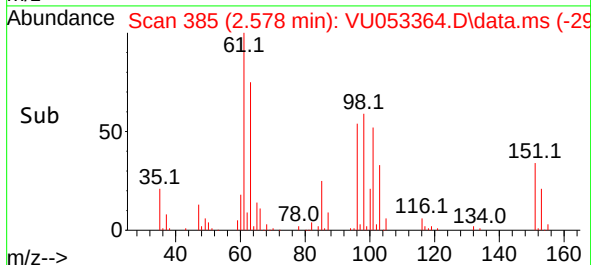
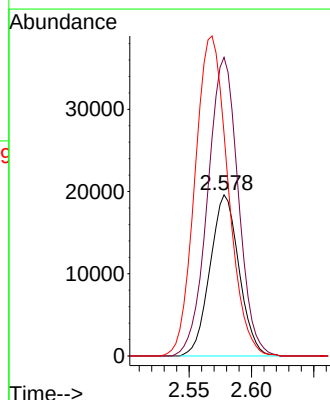
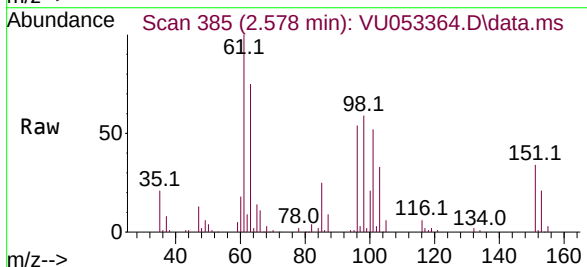
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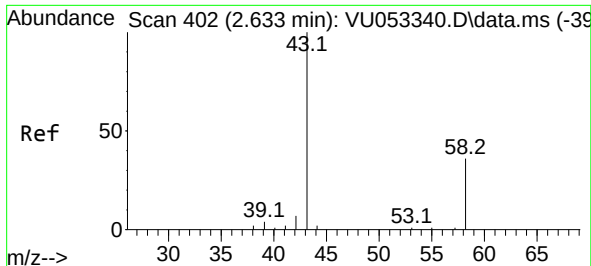
Tgt Ion:101 Resp: 34816
 Ion Ratio Lower Upper
 101 100
 85 48.9 37.0 55.6
 151 64.6 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 40.764 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053364.D
 Acq: 22 Mar 2023 19:55

Tgt Ion: 96 Resp: 31784
 Ion Ratio Lower Upper
 96 100
 61 185.2 122.2 226.9
 63 138.1 89.9 166.9





#13

Acetone

Concen: 79.104 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

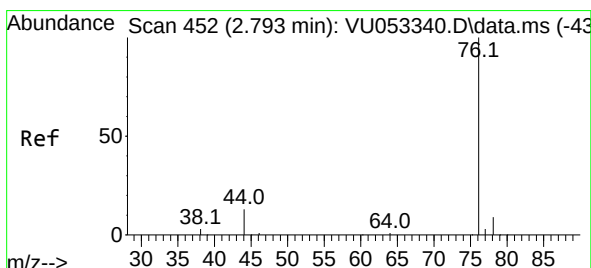
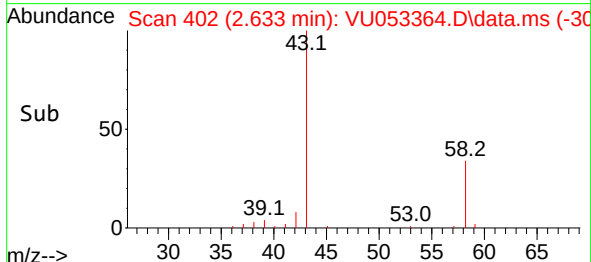
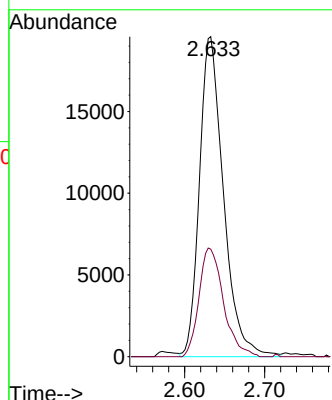
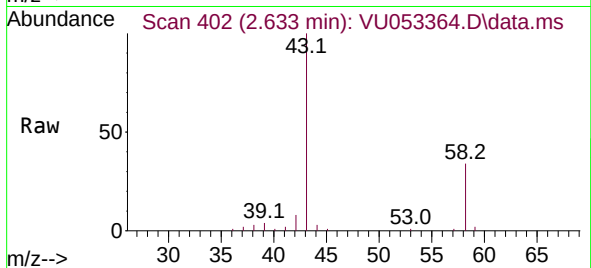
VSTD050172

Tgt Ion: 43 Resp: 40928

Ion Ratio Lower Upper

43 100

58 34.6 0.0 75.0



#14

Carbon disulfide

Concen: 37.775 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053364.D

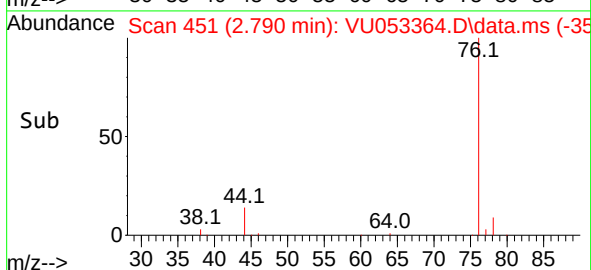
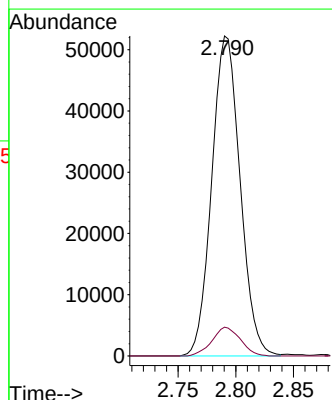
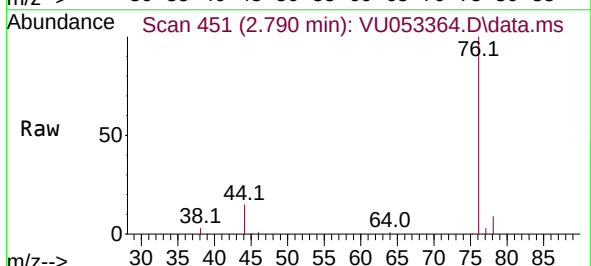
Acq: 22 Mar 2023 19:55

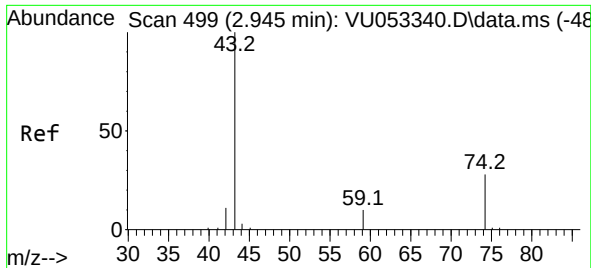
Tgt Ion: 76 Resp: 89210

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

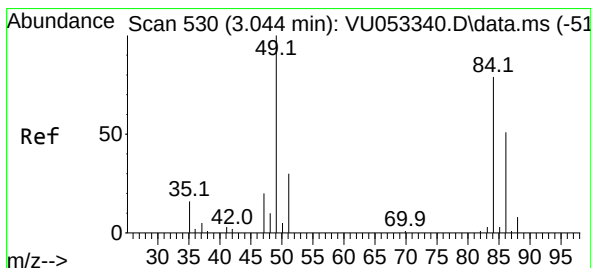
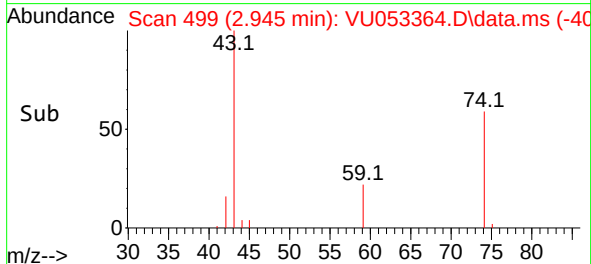
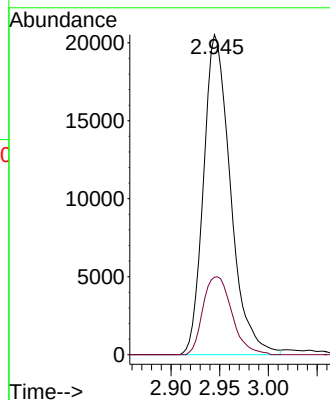
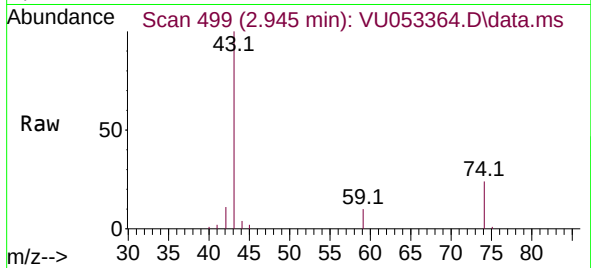




#15
Methyl Acetate
Concen: 55.660 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

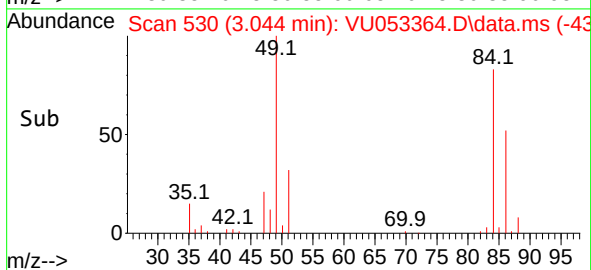
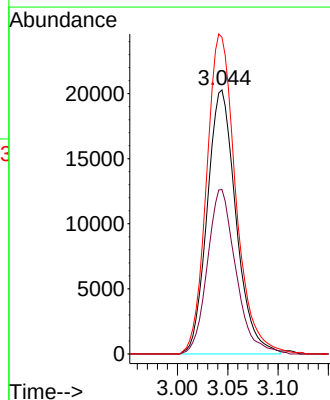
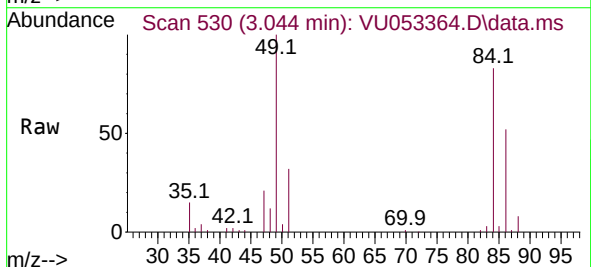
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

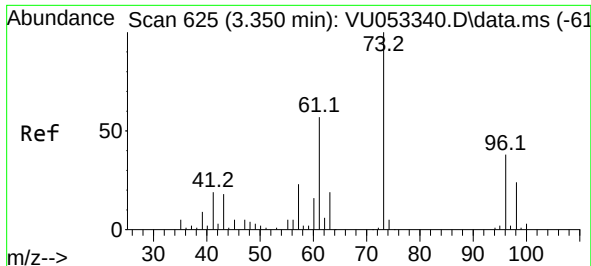
Tgt Ion: 43 Resp: 39473
Ion Ratio Lower Upper
43 100
74 26.1 21.4 32.0



#16
Methylene chloride
Concen: 42.715 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 84 Resp: 40404
Ion Ratio Lower Upper
84 100
86 62.3 44.4 82.4
49 120.0 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 39.959 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

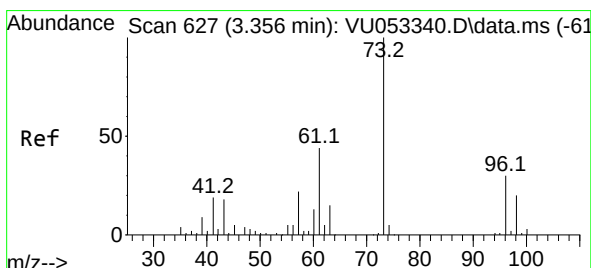
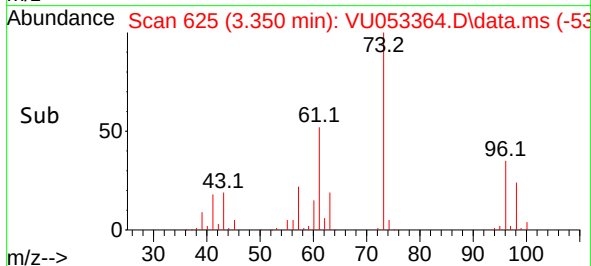
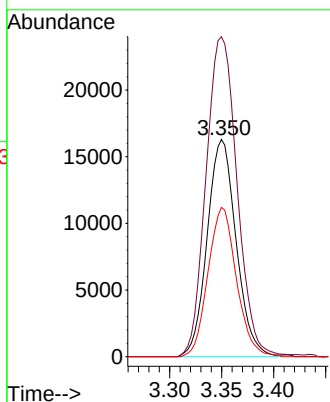
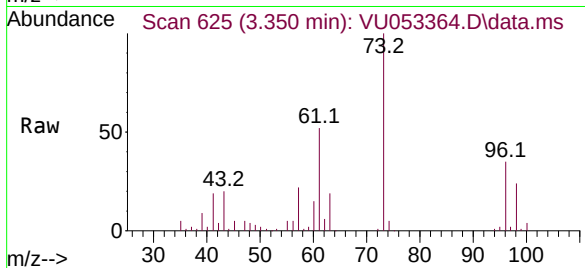
Tgt Ion: 96 Resp: 31612

Ion Ratio Lower Upper

96 100

61 147.3 99.6 185.0

98 68.7 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 46.054 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

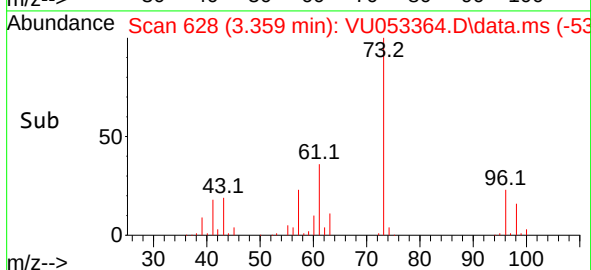
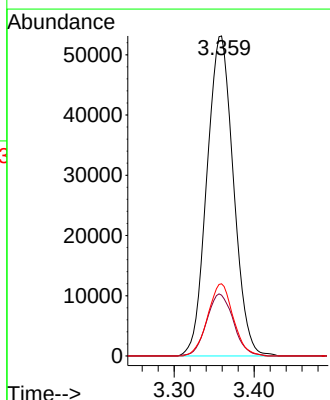
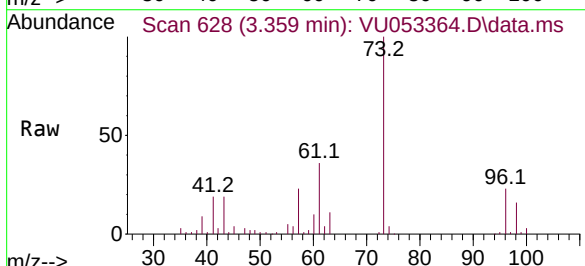
Tgt Ion: 73 Resp: 122513

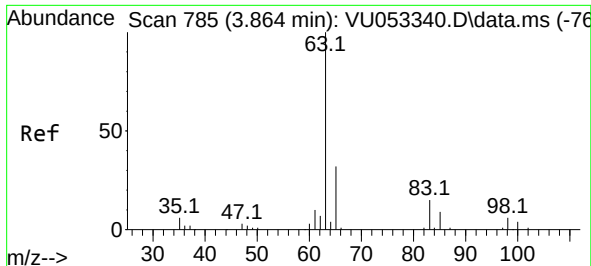
Ion Ratio Lower Upper

73 100

43 19.6 14.2 21.2

57 21.7 18.0 27.0

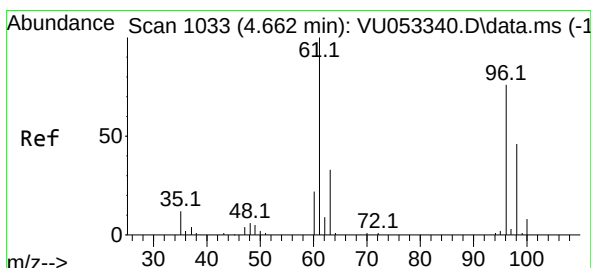
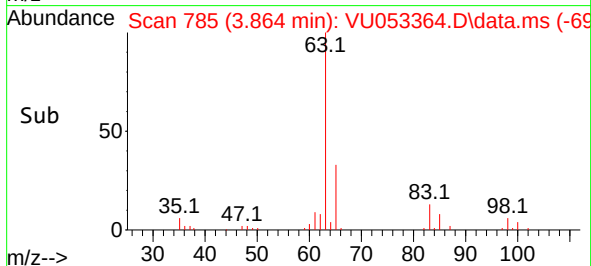
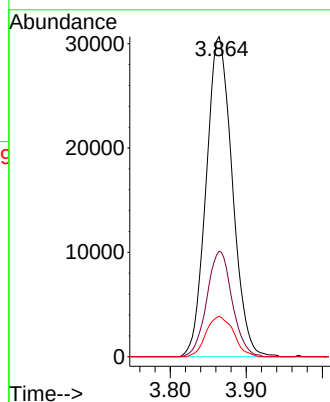
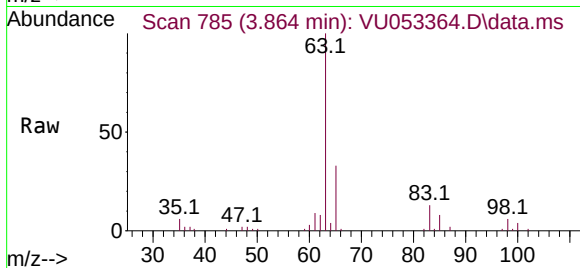




#19
1,1-Dichloroethane
Concen: 45.316 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

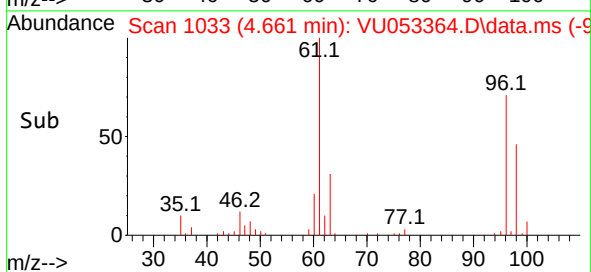
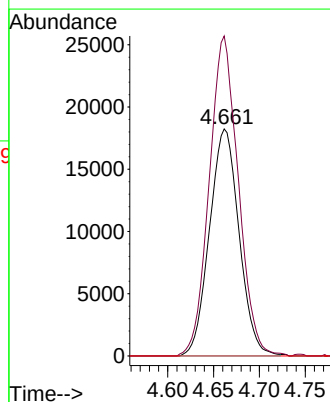
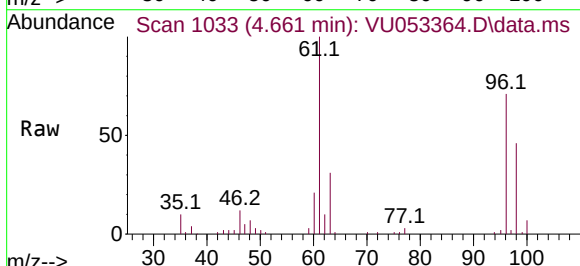
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

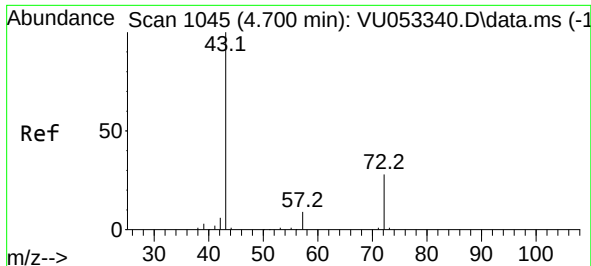
Tgt Ion:	63	Resp:	73180
Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.8	42.4
83	12.6	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 44.059 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:	96	Resp:	40940
Ion	Ratio	Lower	Upper
96	100		
61	141.0	92.5	171.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 105.025 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

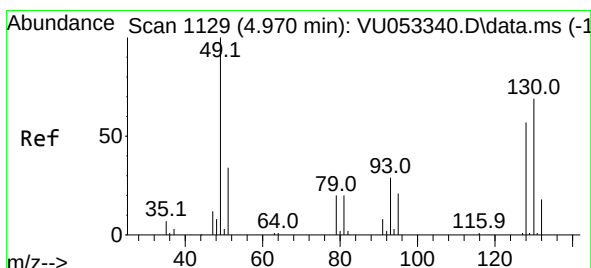
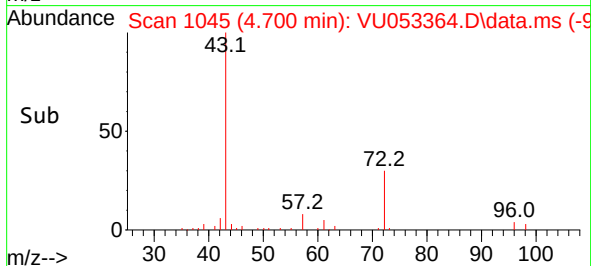
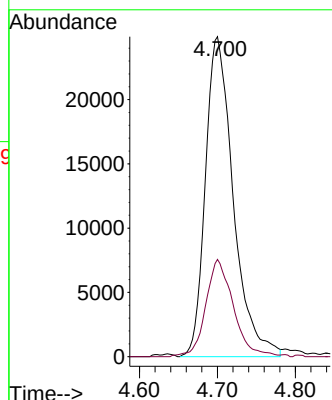
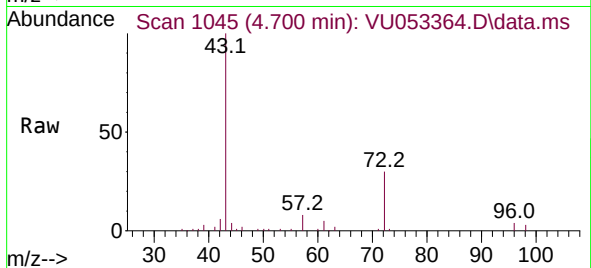
VSTD050172

Tgt Ion: 43 Resp: 61907

Ion Ratio Lower Upper

43 100

72 30.0 16.0 47.9



#23

Bromochloromethane

Concen: 43.741 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Tgt Ion: 128 Resp: 19380

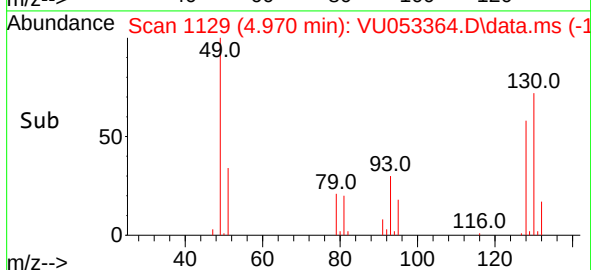
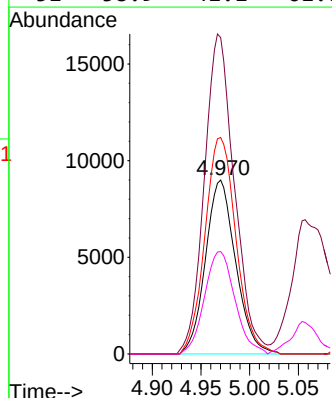
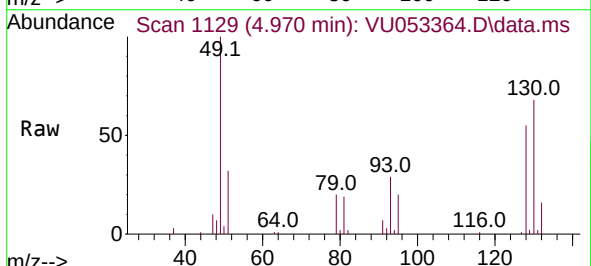
Ion Ratio Lower Upper

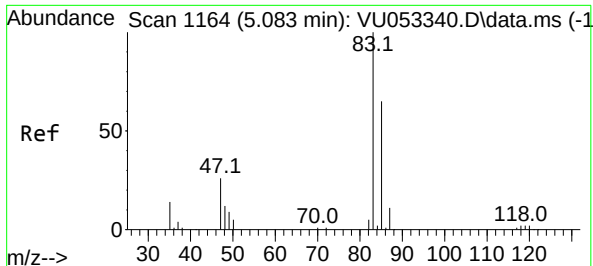
128 100

49 181.8 109.9 204.1

130 124.4 87.2 161.9

51 58.9 41.1 61.7





#25

Chloroform

Concen: 45.930 ug/L

RT: 5.079 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

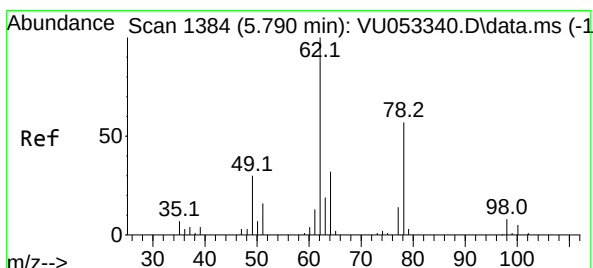
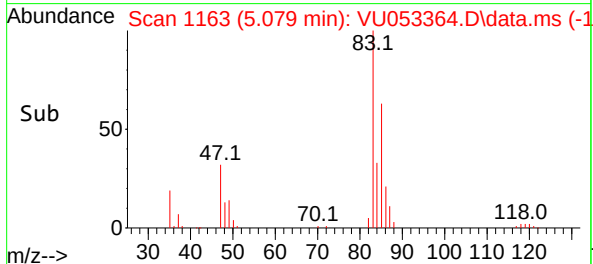
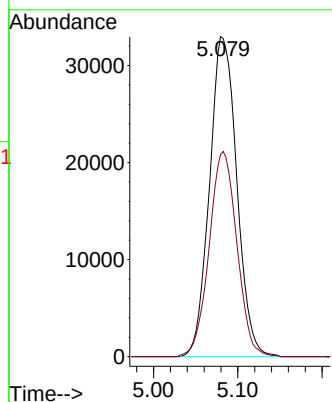
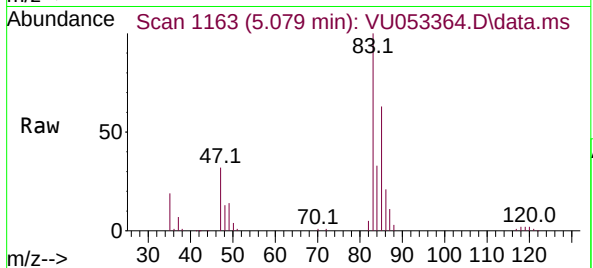
VSTD050172

Tgt Ion: 83 Resp: 74222

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.309 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053364.D

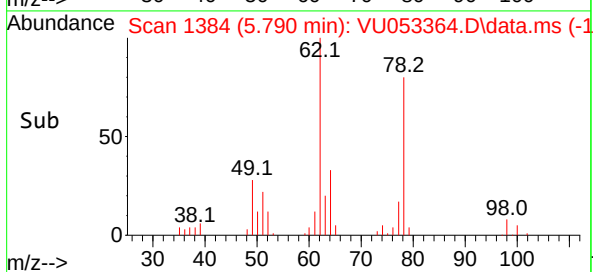
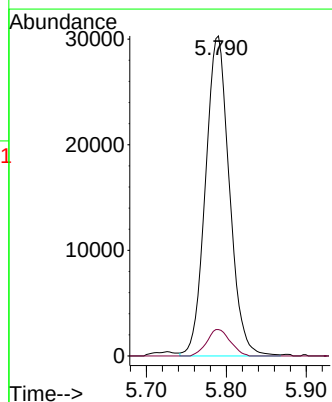
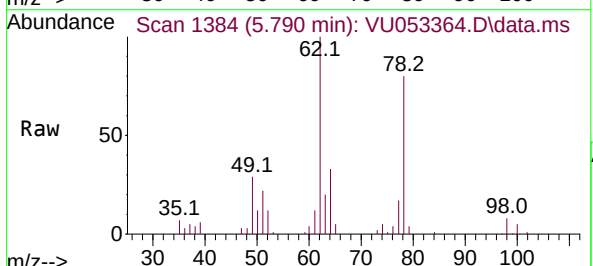
Acq: 22 Mar 2023 19:55

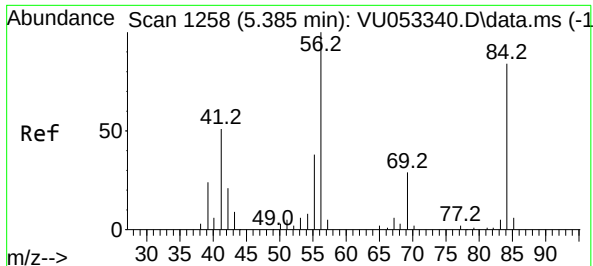
Tgt Ion: 62 Resp: 62901

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.6



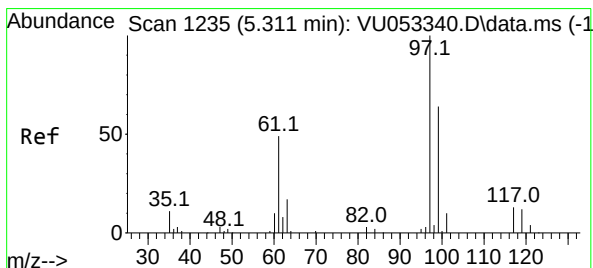
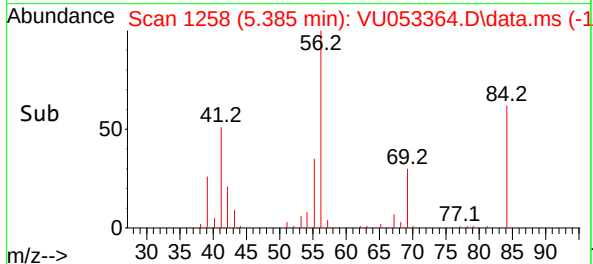
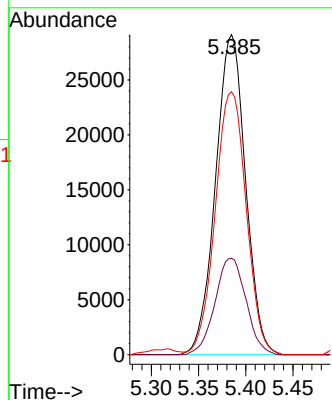
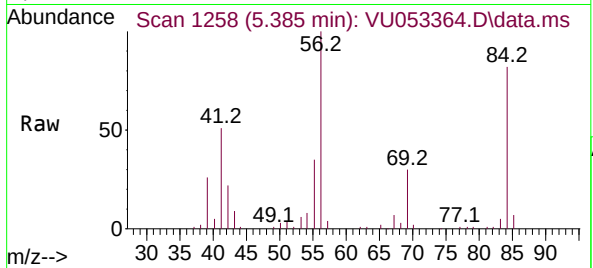


#29
Cyclohexane
Concen: 41.438 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

Tgt Ion: 56 Resp: 64301

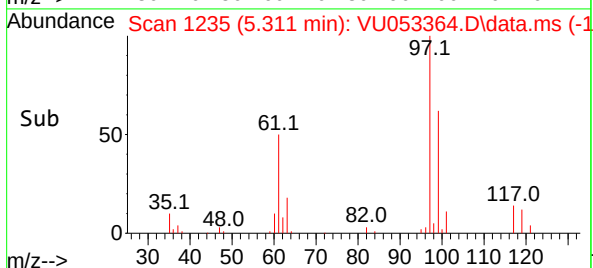
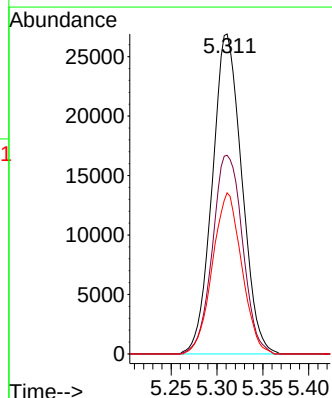
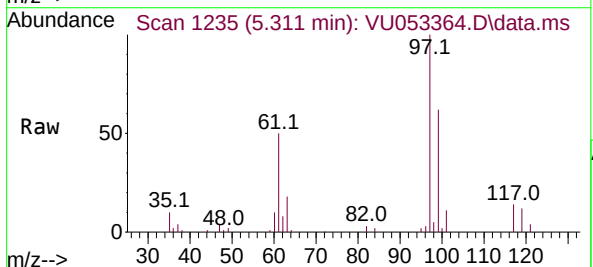
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.4	38.0
84	85.0	69.0	103.6

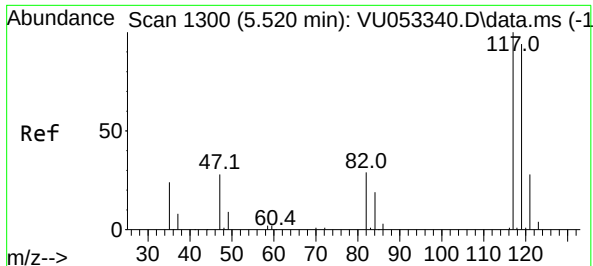


#30
1,1,1-Trichloroethane
Concen: 42.381 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 97 Resp: 60160

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	76.0
61	50.0	36.0	54.0

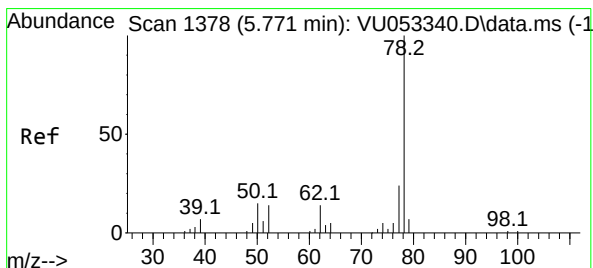
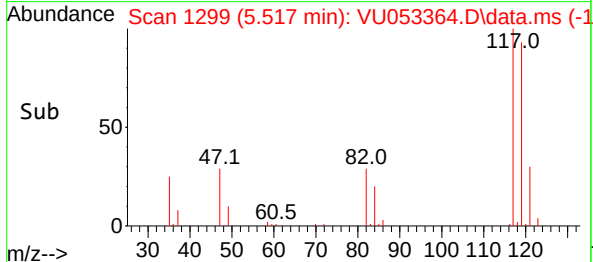
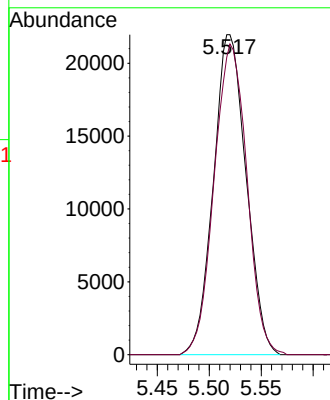
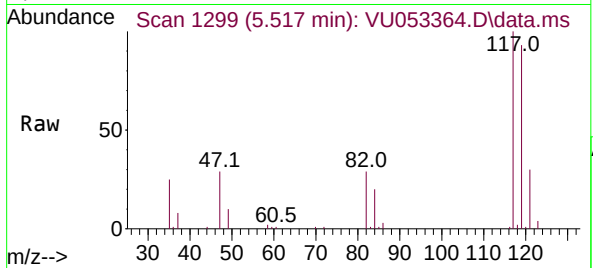




#31
Carbon tetrachloride
Concen: 41.322 ug/L
RT: 5.517 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

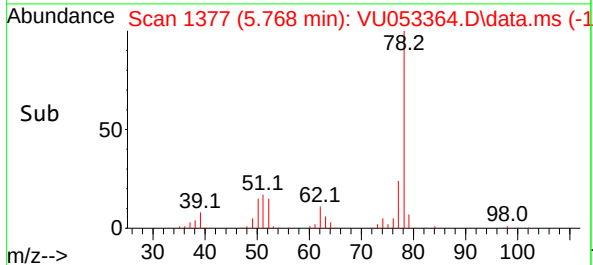
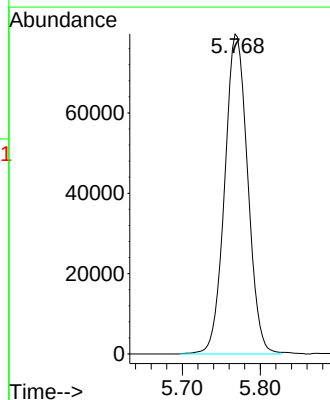
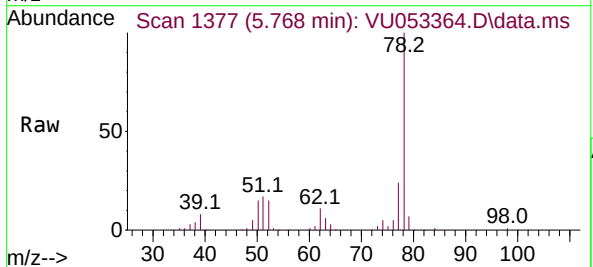
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

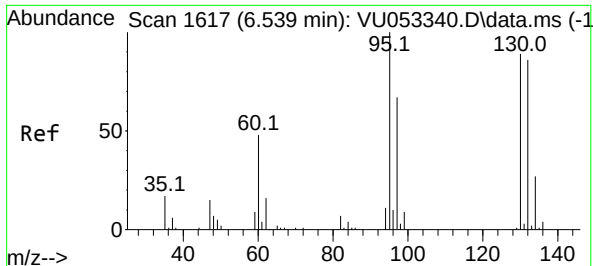
Tgt Ion:117 Resp: 48055
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.2



#33
Benzene
Concen: 45.232 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 78 Resp: 163309



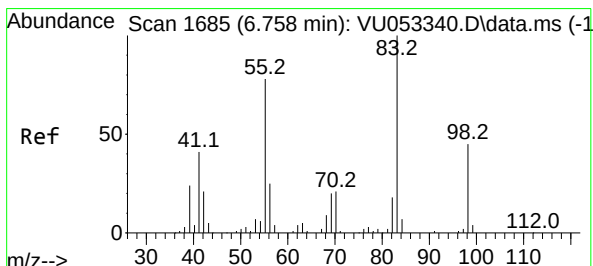
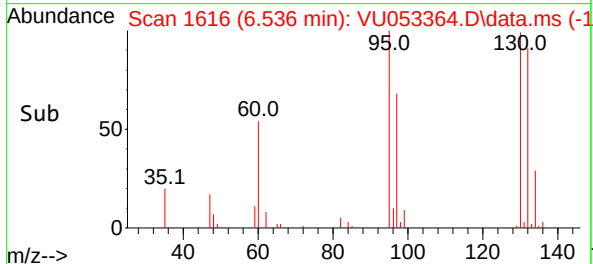
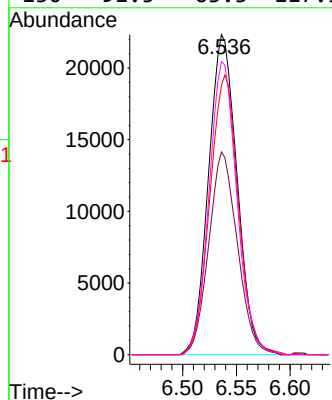
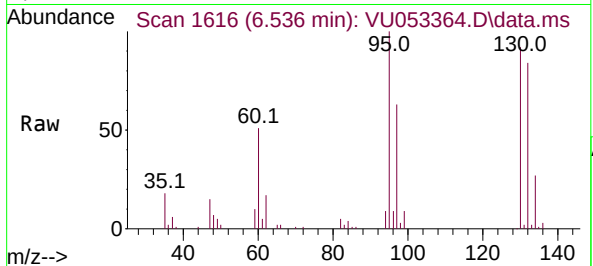


#34
Trichloroethene
Concen: 43.663 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

Tgt Ion: 95 Resp: 41104

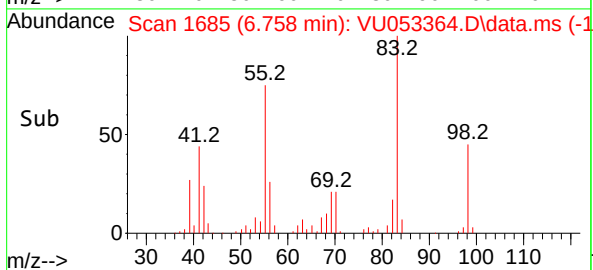
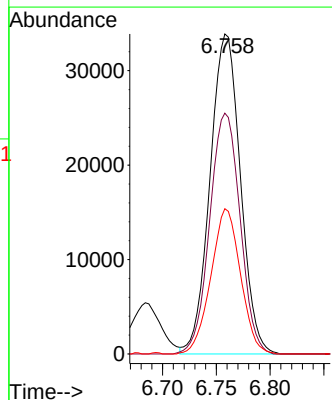
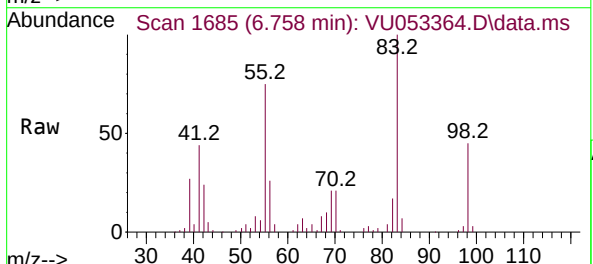
Ion	Ratio	Lower	Upper
95	100		
97	63.4	43.8	81.3
132	84.2	61.5	114.3
130	91.5	63.3	117.5

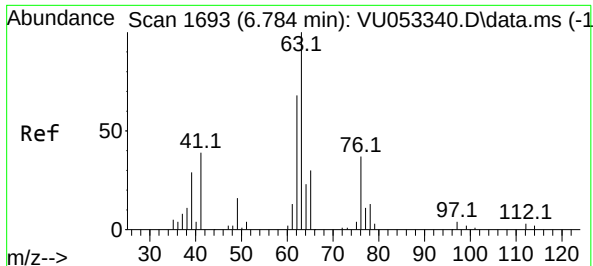


#35
Methylcyclohexane
Concen: 40.370 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 83 Resp: 66617

Ion	Ratio	Lower	Upper
83	100		
55	75.1	58.2	87.4
98	44.2	35.4	53.2

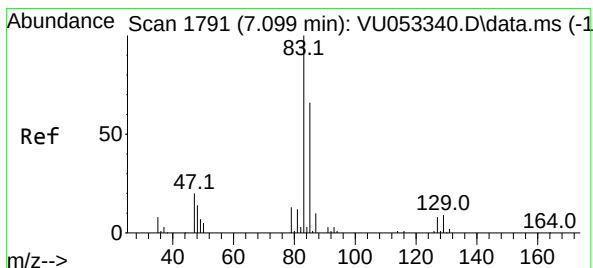
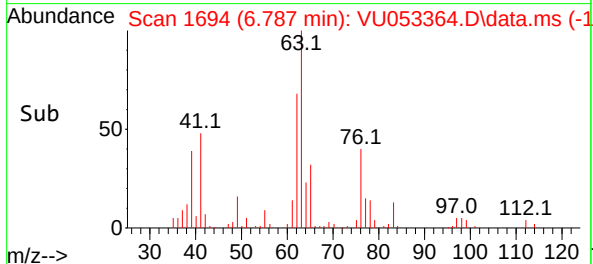
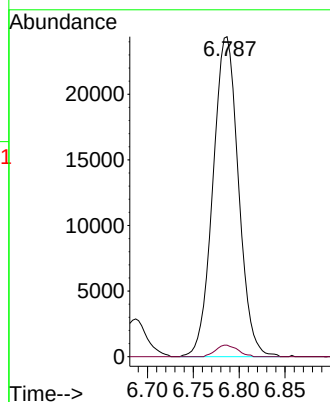
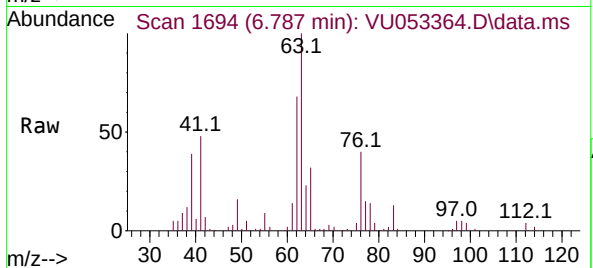




#37
1,2-Dichloropropane
Concen: 46.994 ug/L
RT: 6.787 min Scan# 1693
Delta R.T. 0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

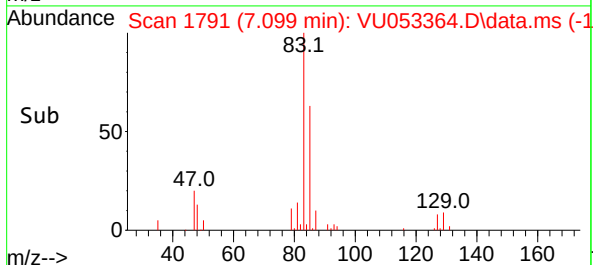
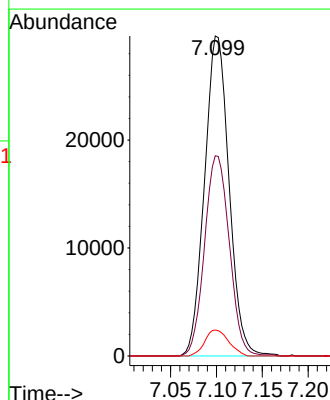
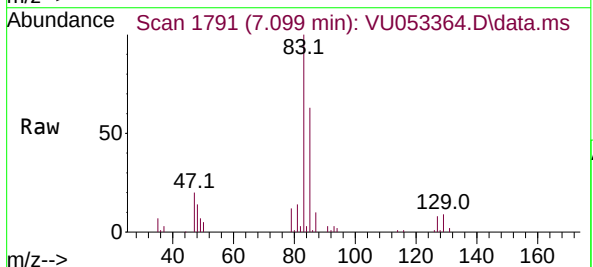
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

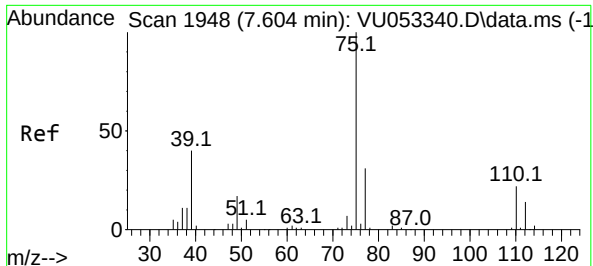
Tgt Ion: 63 Resp: 47337
Ion Ratio Lower Upper
63 100
112 3.1 2.6 3.8



#38
Bromodichloromethane
Concen: 43.992 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 83 Resp: 55146
Ion Ratio Lower Upper
83 100
85 62.5 45.4 84.2
127 8.1 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 44.322 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

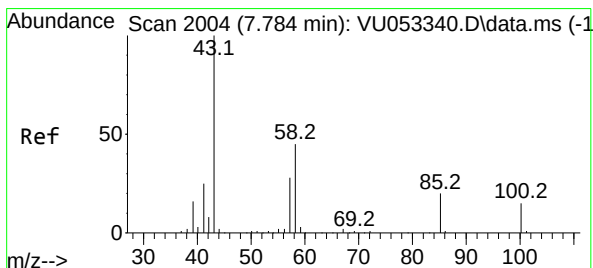
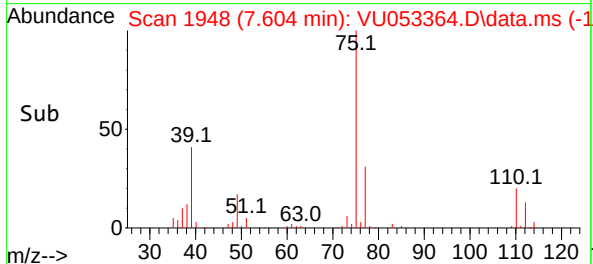
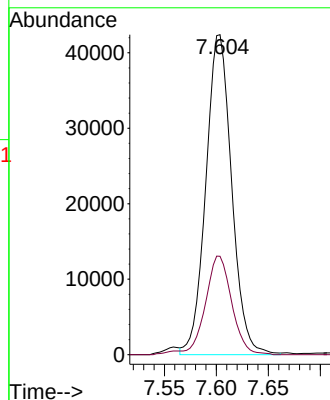
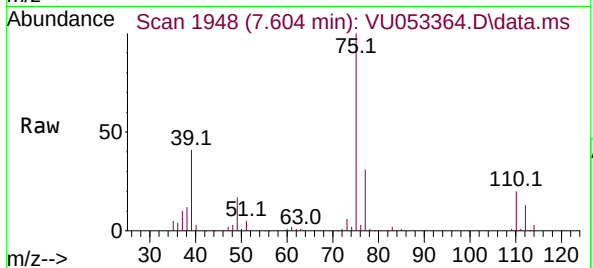
VSTD050172

Tgt Ion: 75 Resp: 73350

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 113.972 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

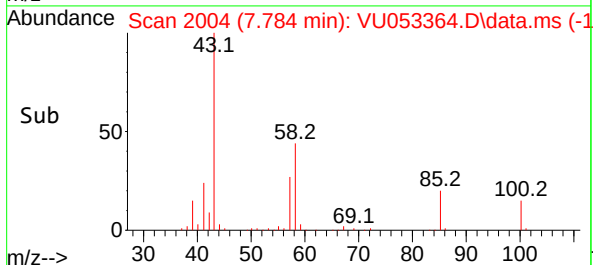
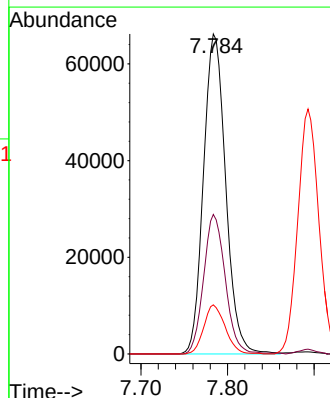
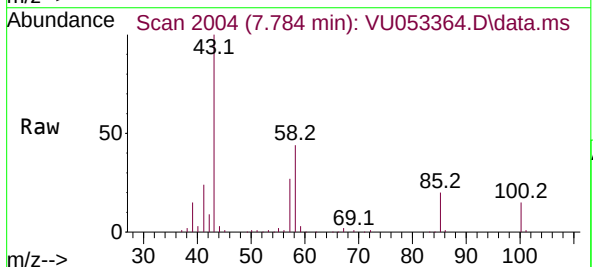
Tgt Ion: 43 Resp: 118001

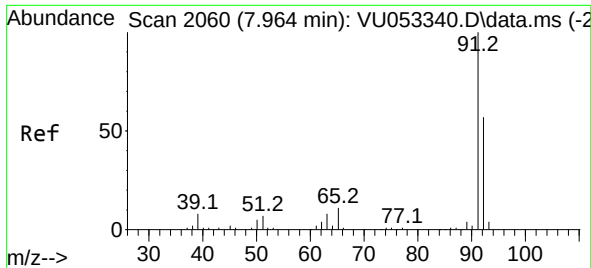
Ion Ratio Lower Upper

43 100

58 42.5 35.8 53.6

100 14.8 13.0 19.6





#42

Toluene

Concen: 45.331 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

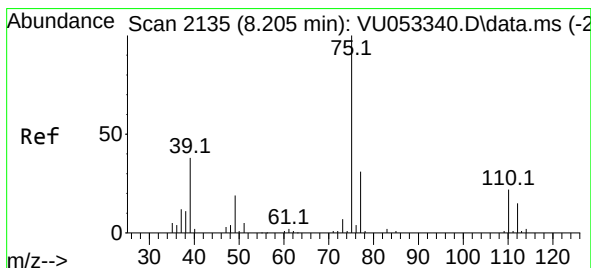
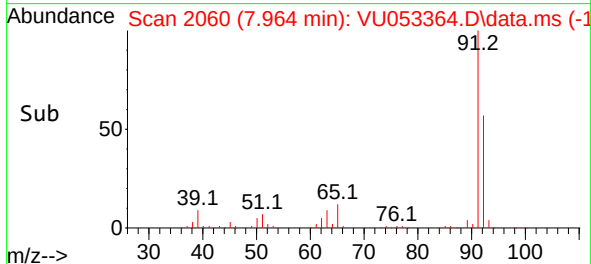
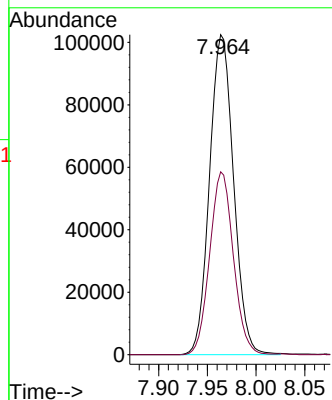
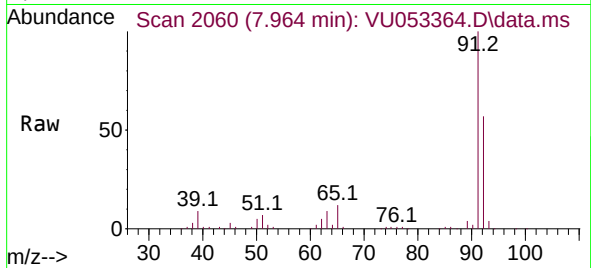
VSTD050172

Tgt Ion: 91 Resp: 175953

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 45.477 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053364.D

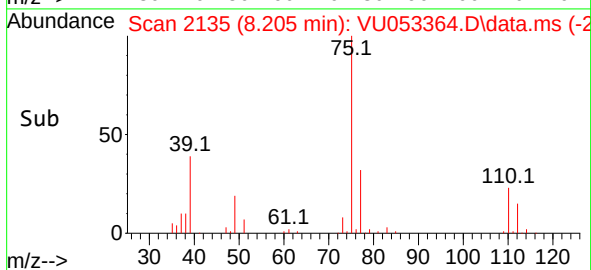
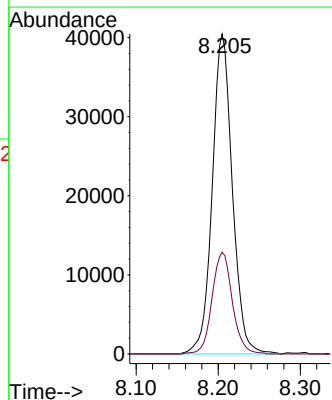
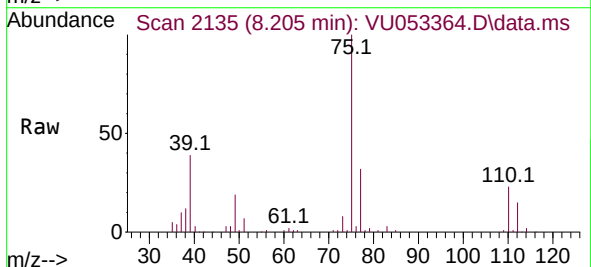
Acq: 22 Mar 2023 19:55

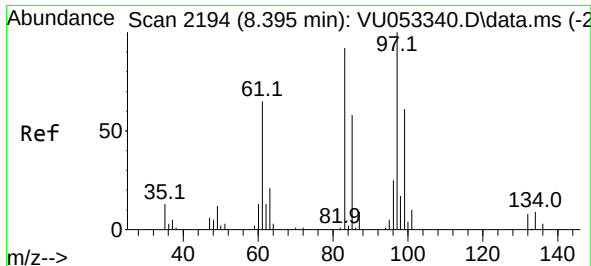
Tgt Ion: 75 Resp: 68797

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



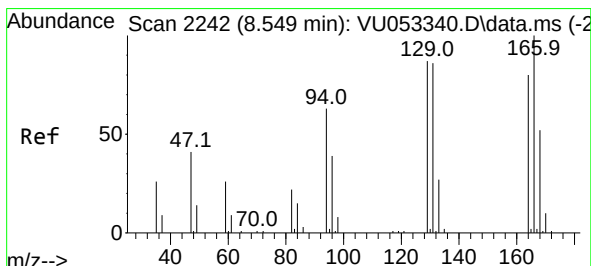
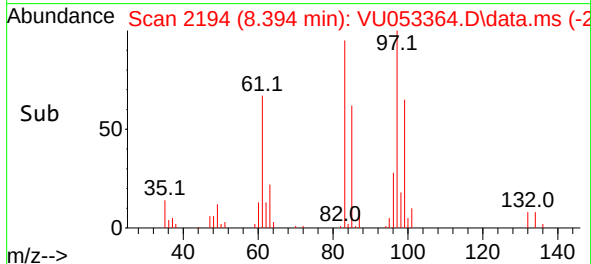
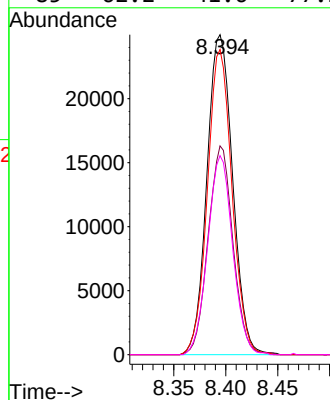
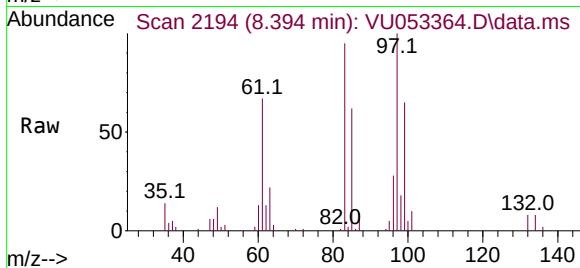


#45
1,1,2-Trichloroethane
Concen: 47.021 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

Tgt Ion: 97 Resp: 43128

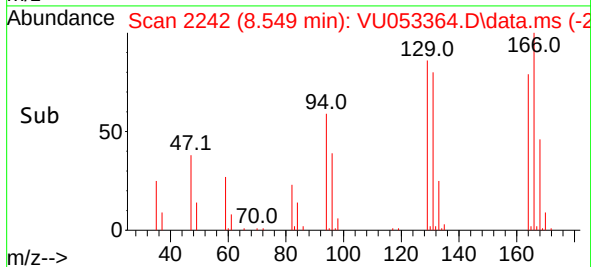
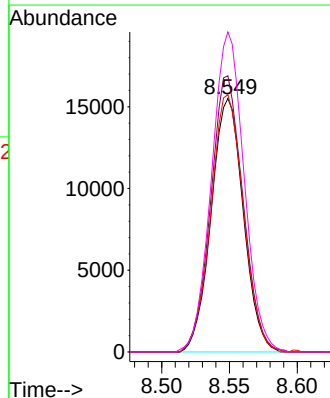
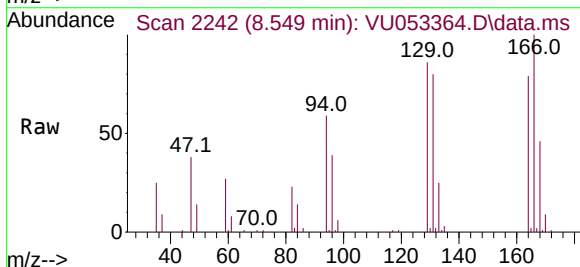
Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.4	82.4
83	95.4	63.8	118.6
85	62.2	41.6	77.2

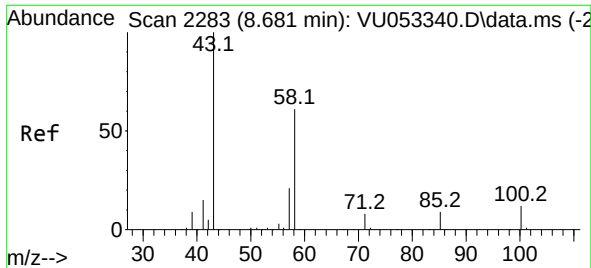


#46
Tetrachloroethene
Concen: 41.690 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 164 Resp: 25534

Ion	Ratio	Lower	Upper
164	100		
129	109.0	73.6	136.8
131	101.6	70.3	130.7
166	126.3	88.9	165.1

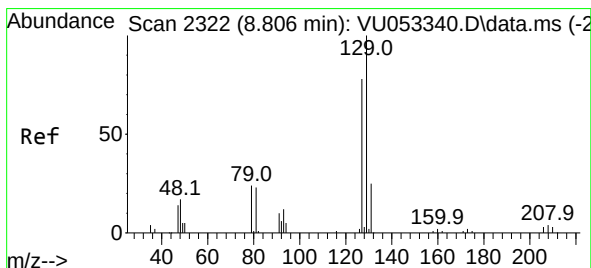
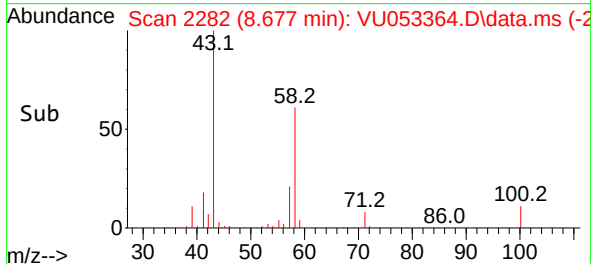
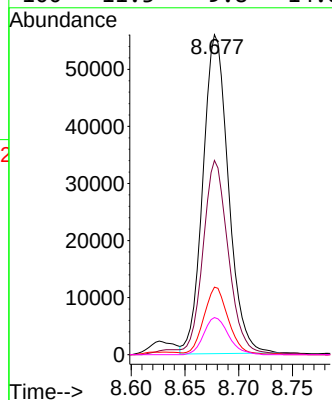
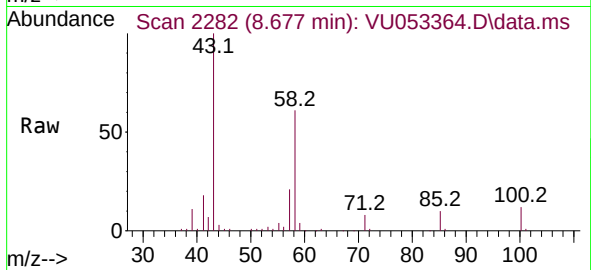




#48
2-Hexanone
Concen: 106.607 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

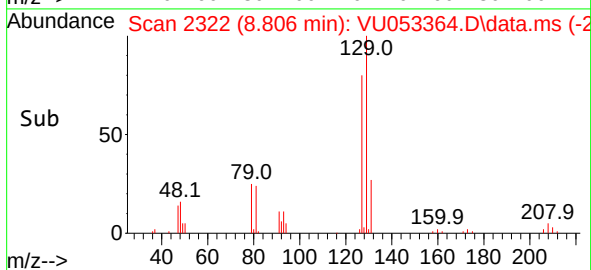
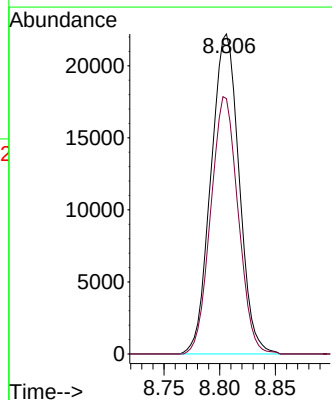
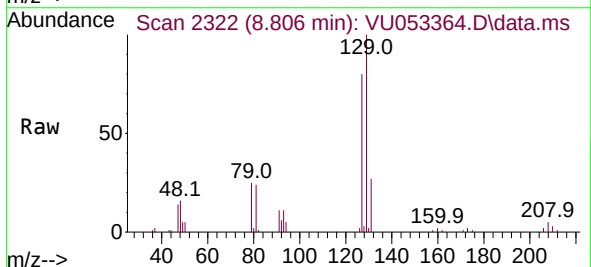
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

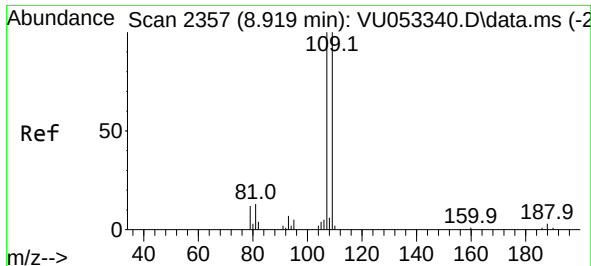
Tgt Ion: 43	Resp: 92427
Ion Ratio	Lower Upper
43 100	
58 59.6	49.4 74.0
57 19.9	16.9 25.3
100 11.3	9.8 14.8



#49
Dibromochloromethane
Concen: 41.702 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:129	Resp:	39127	
Ion	Ratio	Lower	Upper
129	100		
127	79.8	53.1	98.5

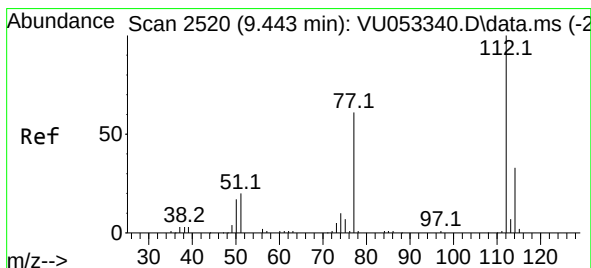
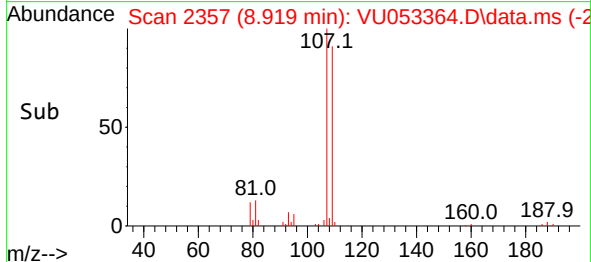
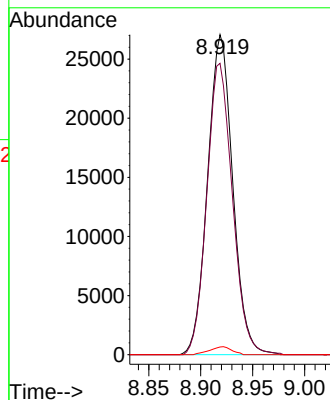
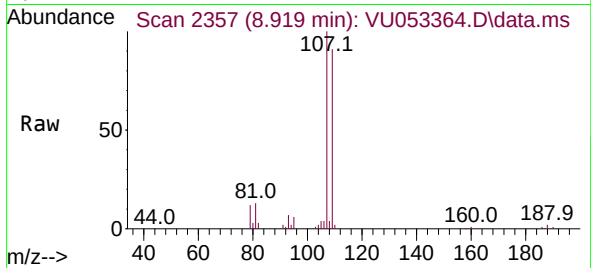




#50
1,2-Dibromoethane
Concen: 46.625 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

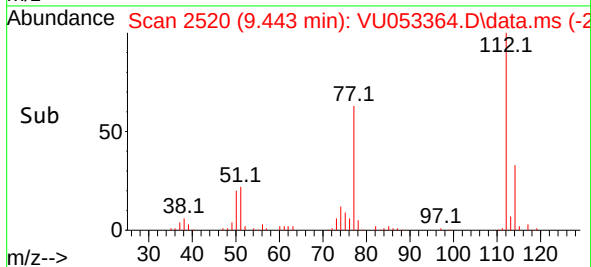
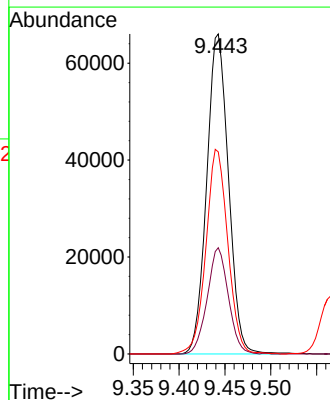
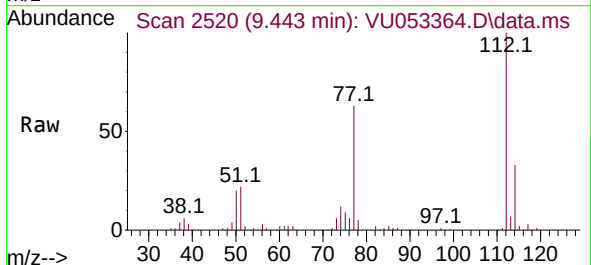
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

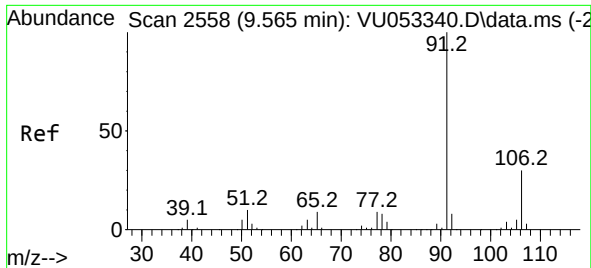
Tgt Ion:107 Resp: 45568
Ion Ratio Lower Upper
107 100
109 91.1 64.6 120.0
188 2.4 2.2 3.4



#51
Chlorobenzene
Concen: 45.093 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:112 Resp: 109086
Ion Ratio Lower Upper
112 100
114 33.2 21.8 40.6
77 63.1 48.8 73.2

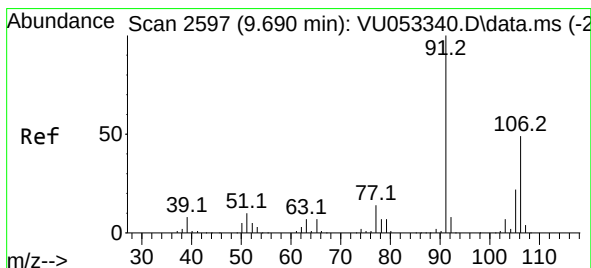
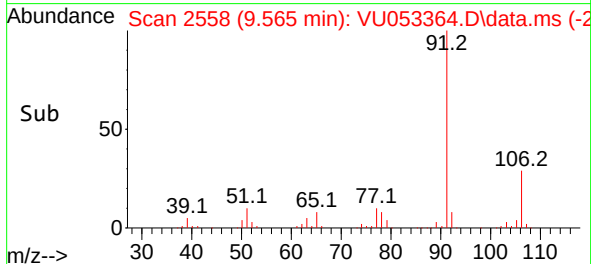
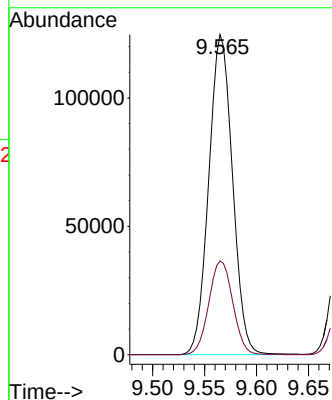
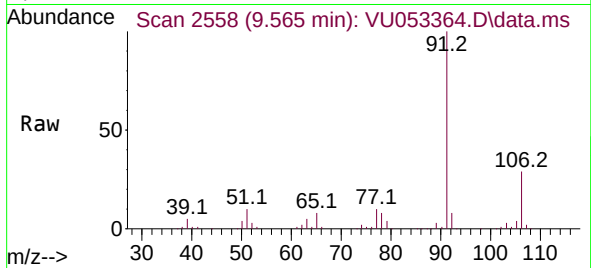




#52
Ethylbenzene
Concen: 44.998 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

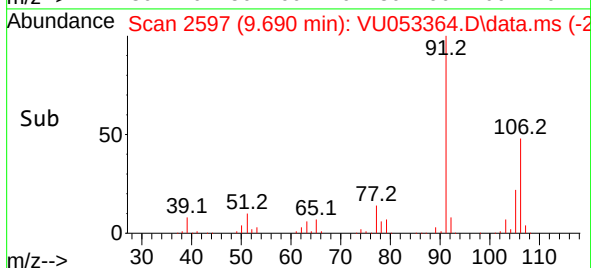
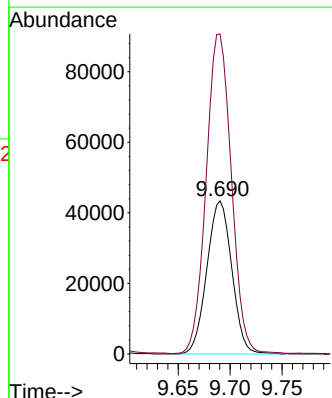
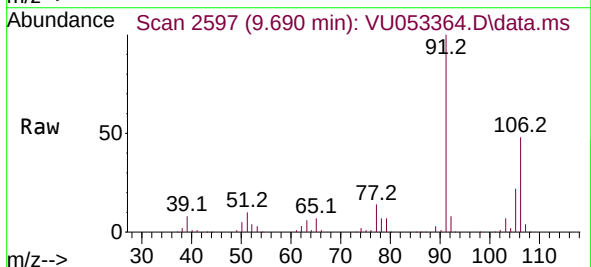
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

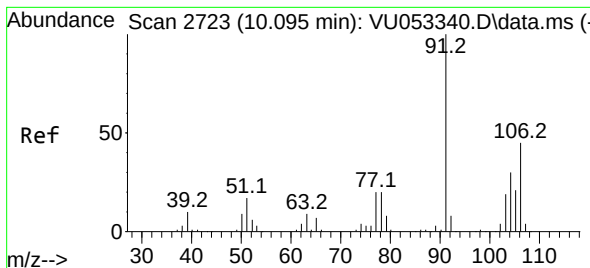
Tgt Ion: 91 Resp: 198068
Ion Ratio Lower Upper
91 100
106 29.3 21.6 40.0



#53
m,p-Xylene
Concen: 44.099 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 106 Resp: 72449
Ion Ratio Lower Upper
106 100
91 209.0 145.3 269.8





#54

o-Xylene

Concen: 44.224 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

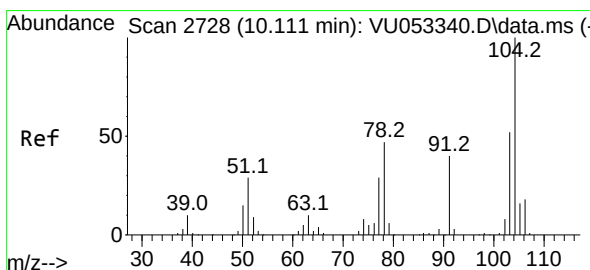
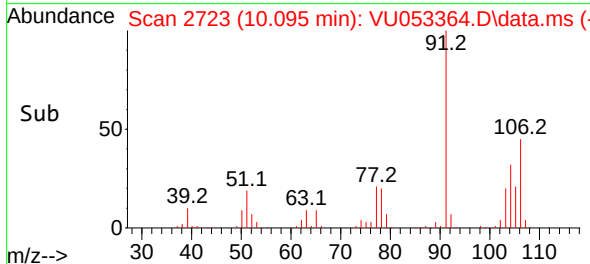
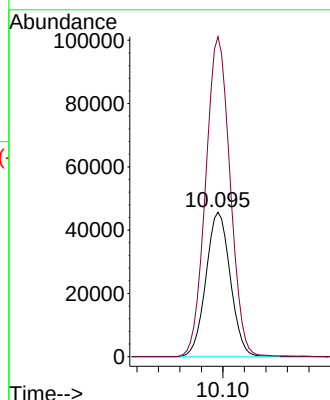
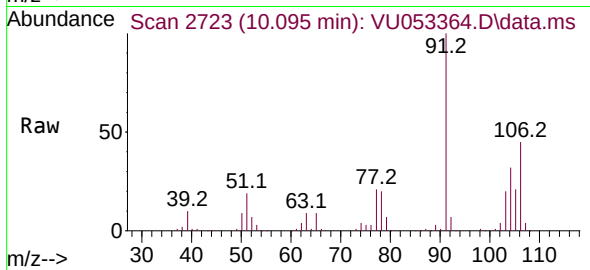
VSTD050172

Tgt Ion:106 Resp: 71858

Ion Ratio Lower Upper

106 100

91 221.6 154.9 287.7



#55

Styrene

Concen: 46.002 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU053364.D

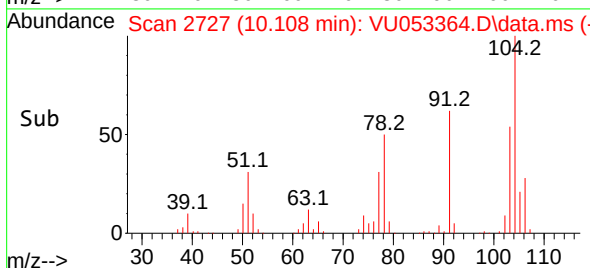
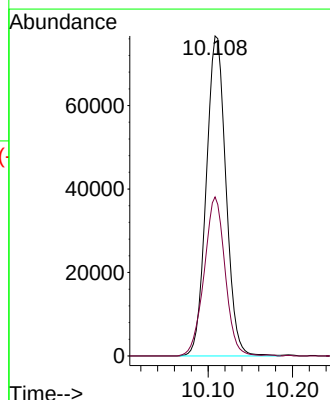
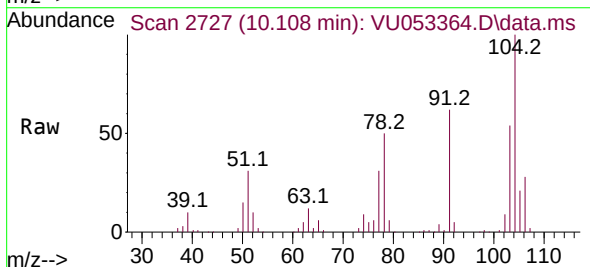
Acq: 22 Mar 2023 19:55

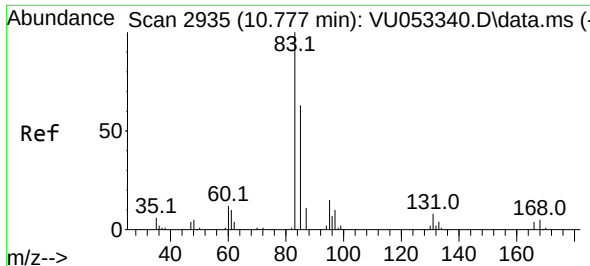
Tgt Ion:104 Resp: 124577

Ion Ratio Lower Upper

104 100

78 49.7 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 51.585 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

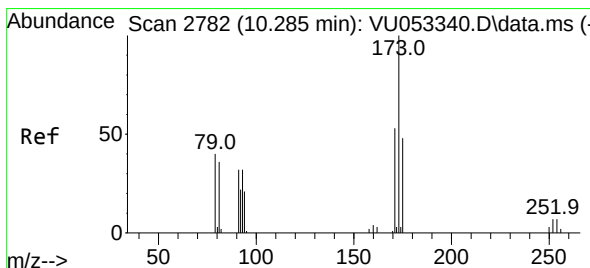
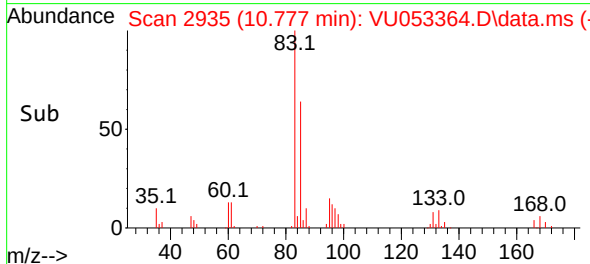
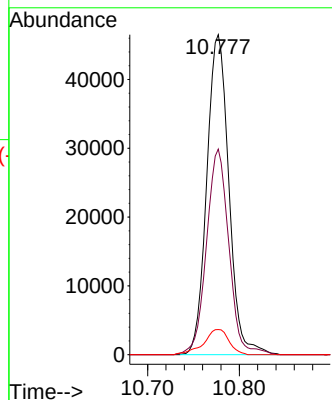
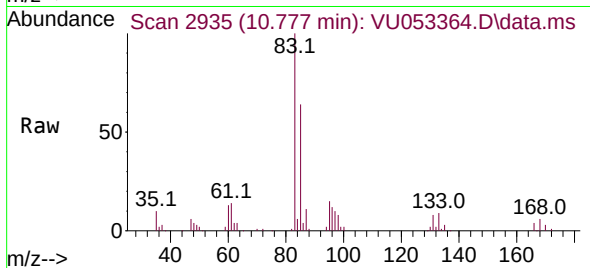
Tgt Ion: 83 Resp: 77572

Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4

131 7.9 6.6 10.0



#59

Bromoform

Concen: 43.114 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

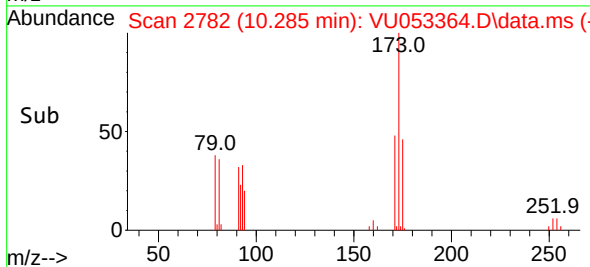
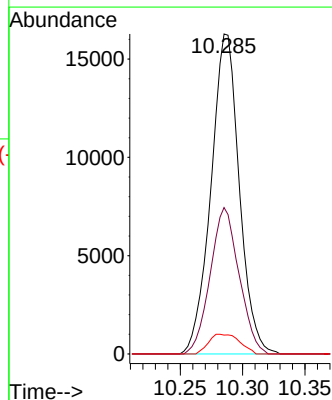
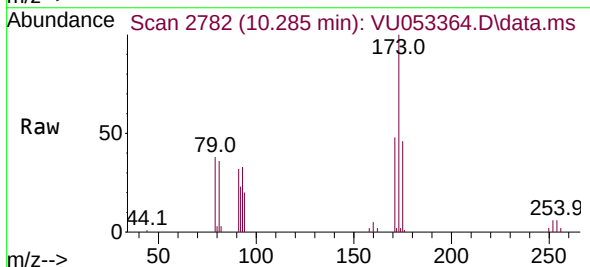
Tgt Ion:173 Resp: 25769

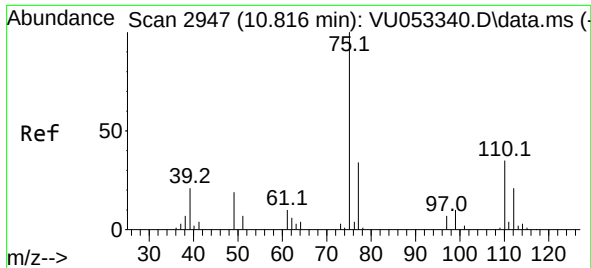
Ion Ratio Lower Upper

173 100

175 46.5 38.5 57.7

254 3.6 6.5 9.7#

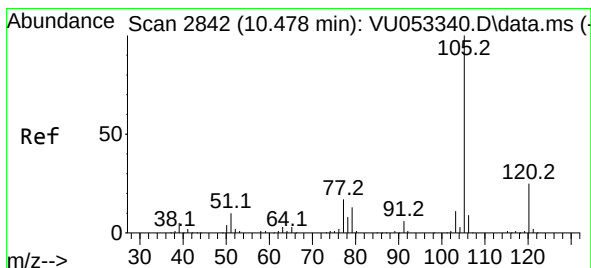
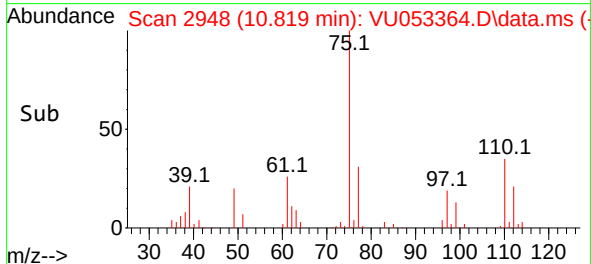
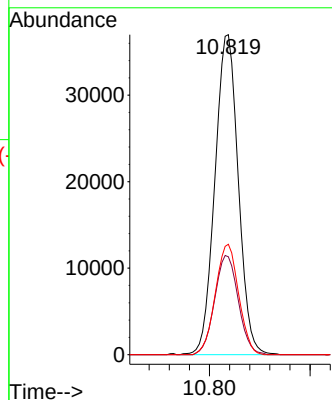
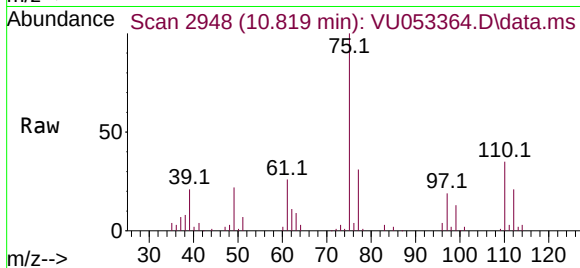




#60
1,2,3-Trichloropropane
Concen: 57.157 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

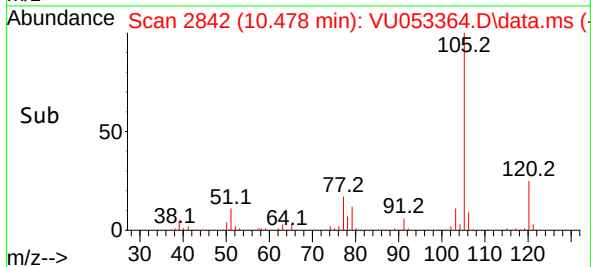
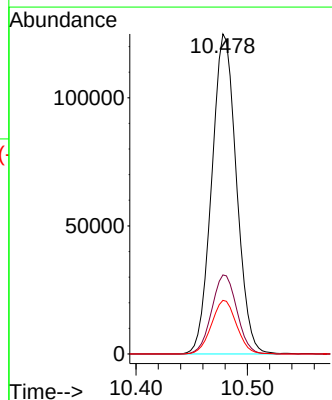
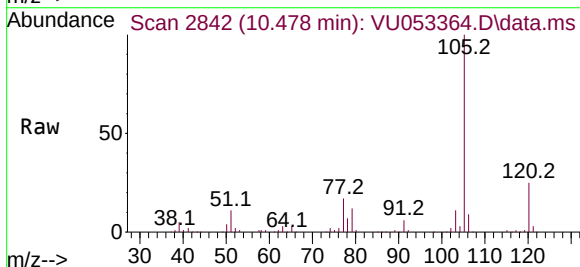
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

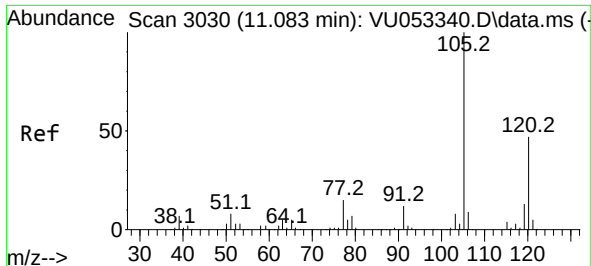
Tgt Ion:	75	Resp:	59653
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.6	40.0
110	34.4	28.6	42.8



#61
Isopropylbenzene
Concen: 46.396 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:	105	Resp:	192535
Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6
77	17.0	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 45.604 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

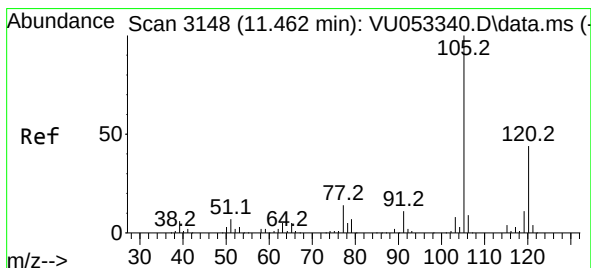
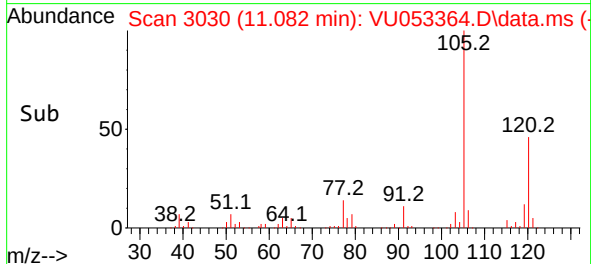
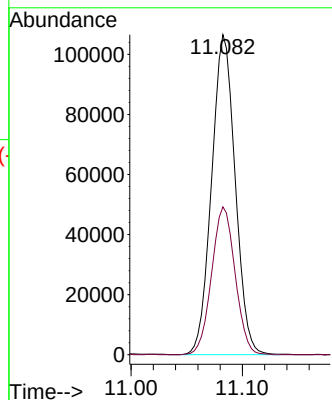
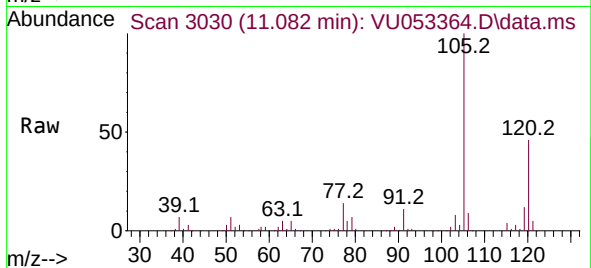
VSTD050172

Tgt Ion:105 Resp: 156652

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 45.590 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053364.D

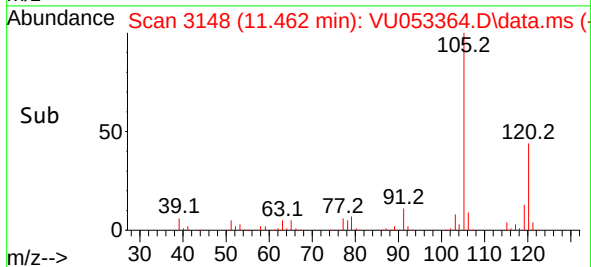
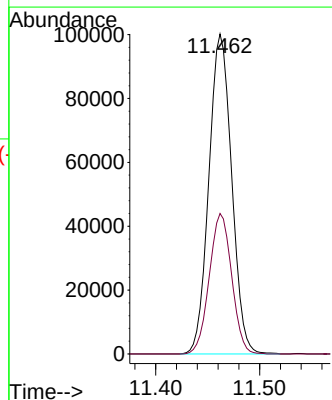
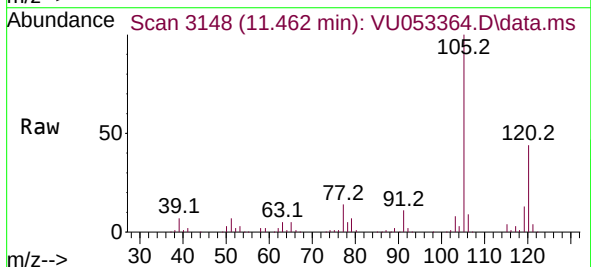
Acq: 22 Mar 2023 19:55

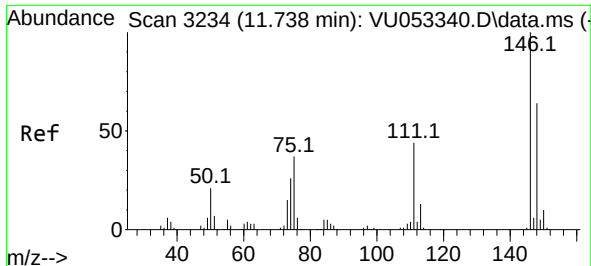
Tgt Ion:105 Resp: 152648

Ion Ratio Lower Upper

105 100

120 43.1 34.6 52.0

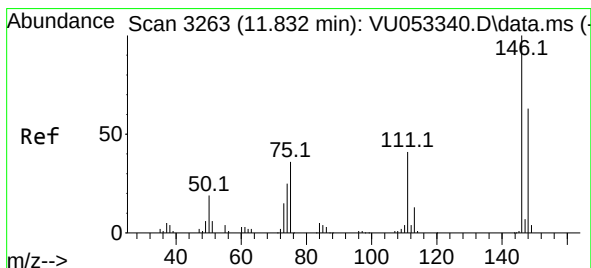
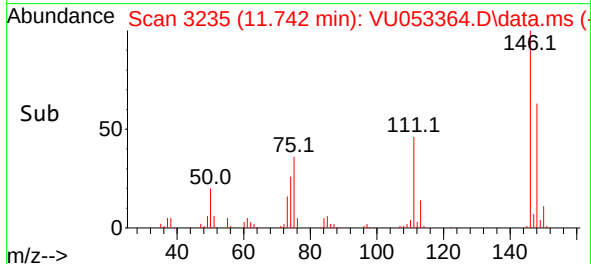
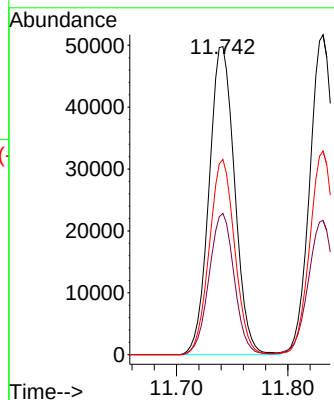
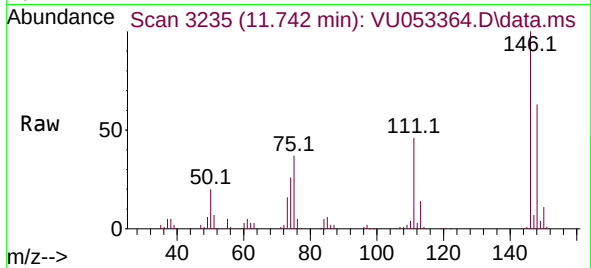




#64
1,3-Dichlorobenzene
Concen: 45.735 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

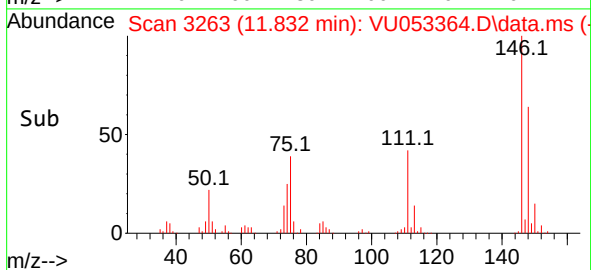
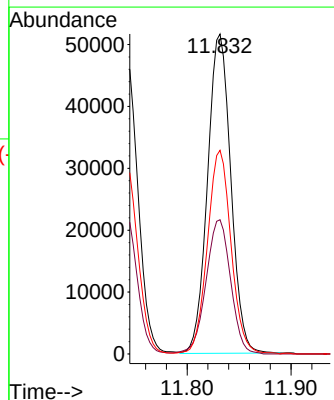
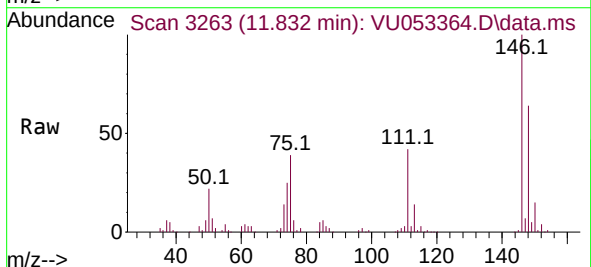
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

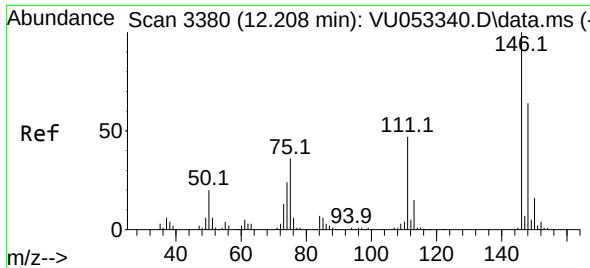
Tgt Ion:146 Resp: 79597
Ion Ratio Lower Upper
146 100
111 45.9 30.2 56.0
148 63.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 45.994 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:146 Resp: 80361
Ion Ratio Lower Upper
146 100
111 42.0 30.7 57.1
148 63.6 45.6 84.8

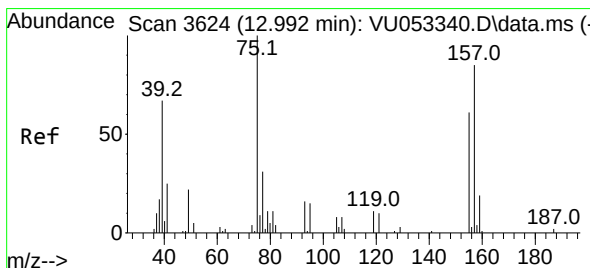
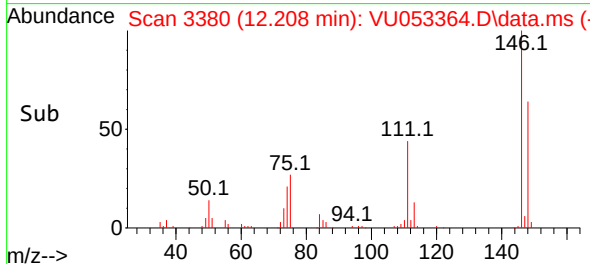
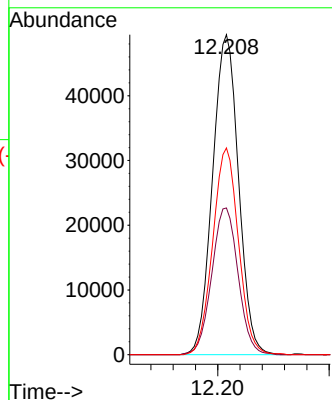
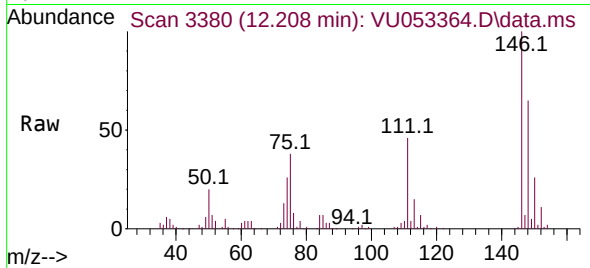




#67
1,2-Dichlorobenzene
Concen: 46.011 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

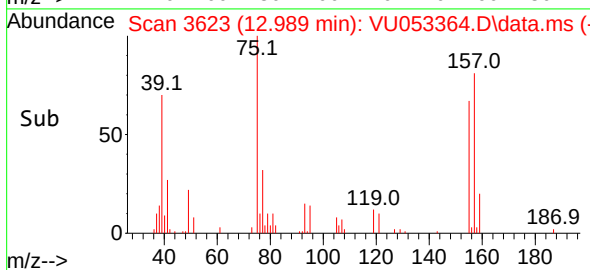
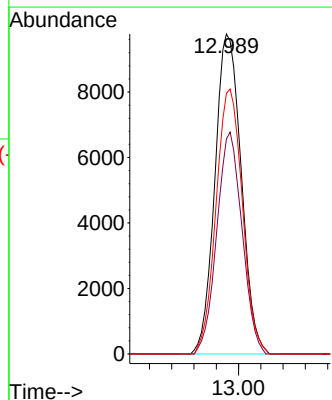
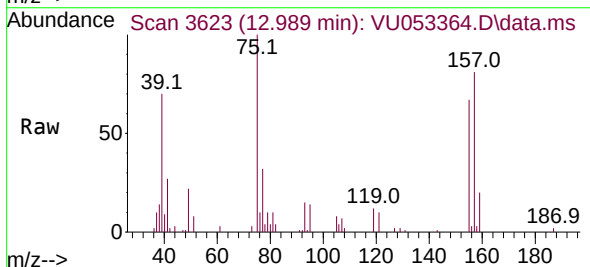
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

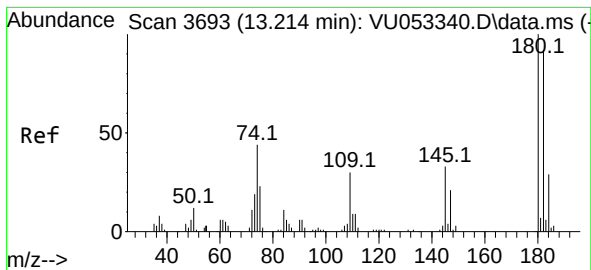
Tgt Ion:146 Resp: 80036
Ion Ratio Lower Upper
146 100
111 45.8 37.0 55.4
148 64.6 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 55.492 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion: 75 Resp: 16015
Ion Ratio Lower Upper
75 100
155 67.2 60.2 90.4
157 81.4 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 43.529 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

Tgt Ion:180 Resp: 48031

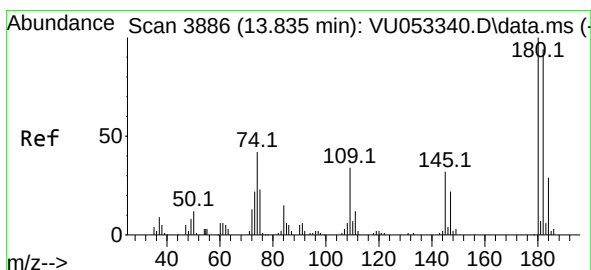
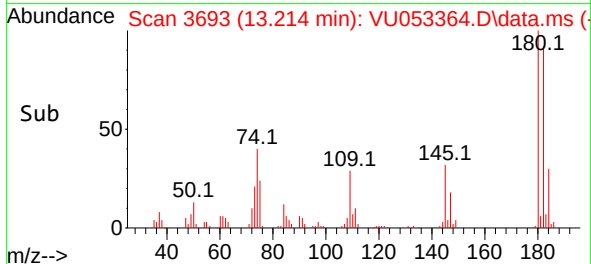
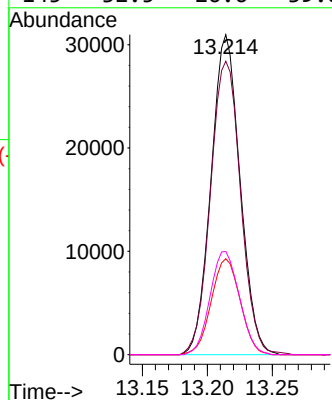
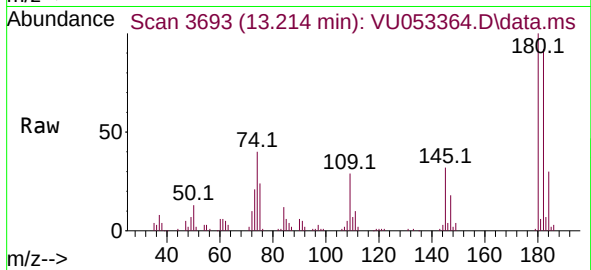
Ion Ratio Lower Upper

180 100

182 95.2 74.5 111.7

184 29.9 23.2 34.8

145 32.5 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 44.920 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053364.D

Acq: 22 Mar 2023 19:55

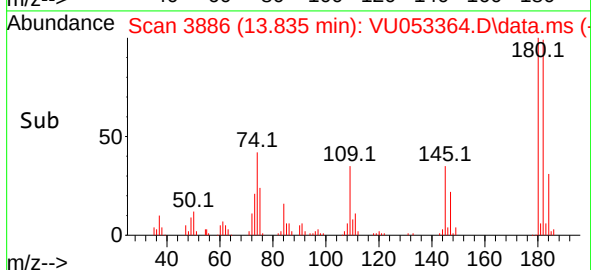
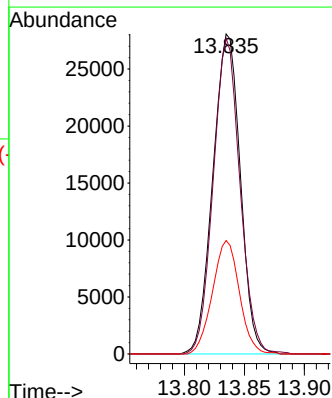
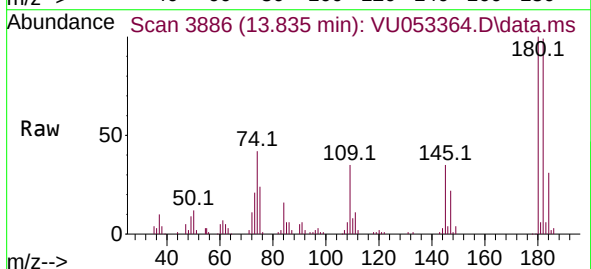
Tgt Ion:180 Resp: 44536

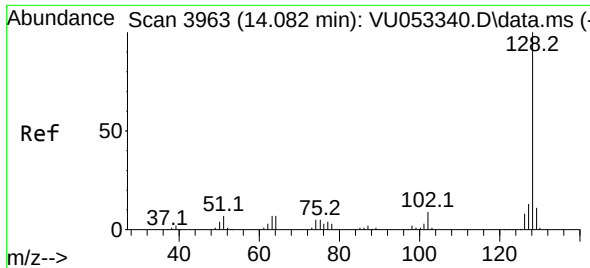
Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

145 34.8 27.2 40.8

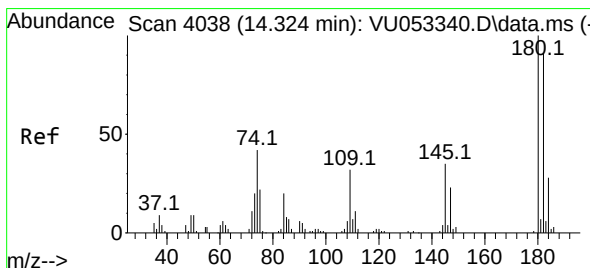
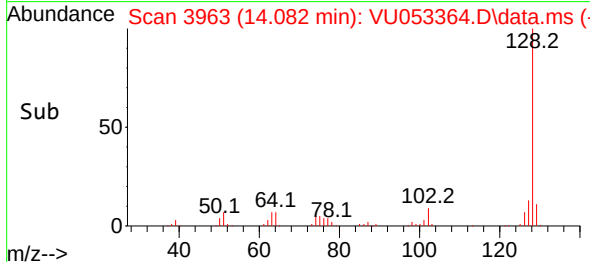
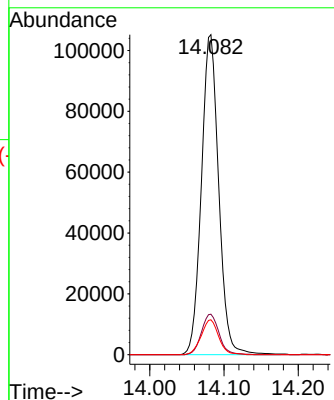
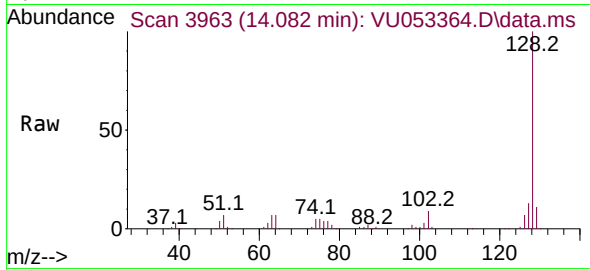




#71
Naphthalene
Concen: 50.937 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

Tgt Ion:128 Resp: 170218
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 48.000 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053364.D
Acq: 22 Mar 2023 19:55

Tgt Ion:180 Resp: 45131
Ion Ratio Lower Upper
180 100
182 94.9 76.7 115.1
145 34.4 28.6 42.8

