

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053253.D
 Acq On : 17 Mar 2023 02:08
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050163

Quant Time: Mar 17 04:33:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 04:28:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	135528	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130943	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	68029	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58804	47.031	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.060%
7) Chloroethane-d5	1.909	69	47419	46.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.780%
11) 1,1-Dichloroethene-d2	2.565	63	102962	47.537	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.080%
21) 2-Butanone-d5	4.613	46	68050	117.347	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.350%
24) Chloroform-d	5.057	84	102744	49.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.780%
26) 1,2-Dichloroethane-d4	5.694	65	64777	50.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.300%
32) Benzene-d6	5.723	84	207179	48.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
36) 1,2-Dichloropropane-d6	6.684	67	68380	49.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.760%
41) Toluene-d8	7.893	98	188038	47.553	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.100%
43) trans-1,3-Dichloroprop...	8.173	79	31438	46.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.960%
47) 2-Hexanone-d5	8.626	63	49219	114.850	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.850%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	92709	52.209	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.420%
66) 1,2-Dichlorobenzene-d4	12.189	152	63679	48.343	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	69158	48.887	ug/L	100
3) Chloromethane	1.517	50	66469	50.992	ug/L	100
5) Vinyl chloride	1.604	62	73070	51.243	ug/L	100
6) Bromomethane	1.851	94	41983	48.980	ug/L	97
8) Chloroethane	1.932	64	43550	51.704	ug/L	99
9) Trichlorofluoromethane	2.138	101	88265	49.611	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	50727	47.134	ug/L	96
12) 1,1-Dichloroethene	2.578	96	47170	47.392	ug/L	95
13) Acetone	2.620	43	45811	69.362	ug/L	98
14) Carbon disulfide	2.790	76	141326	46.880	ug/L	99
15) Methyl Acetate	2.941	43	53153	58.715	ug/L	98
16) Methylene chloride	3.041	84	58217	48.214	ug/L	96
17) trans-1,2-Dichloroethene	3.346	96	49109	48.629	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	176513	51.980	ug/L	99
19) 1,1-Dichloroethane	3.864	63	104918	50.895	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	59272	49.970	ug/L	100
22) 2-Butanone	4.694	43	72223	95.984	ug/L	97
23) Bromochloromethane	4.967	128	27748	49.062	ug/L	90
25) Chloroform	5.083	83	104505	50.661	ug/L	99

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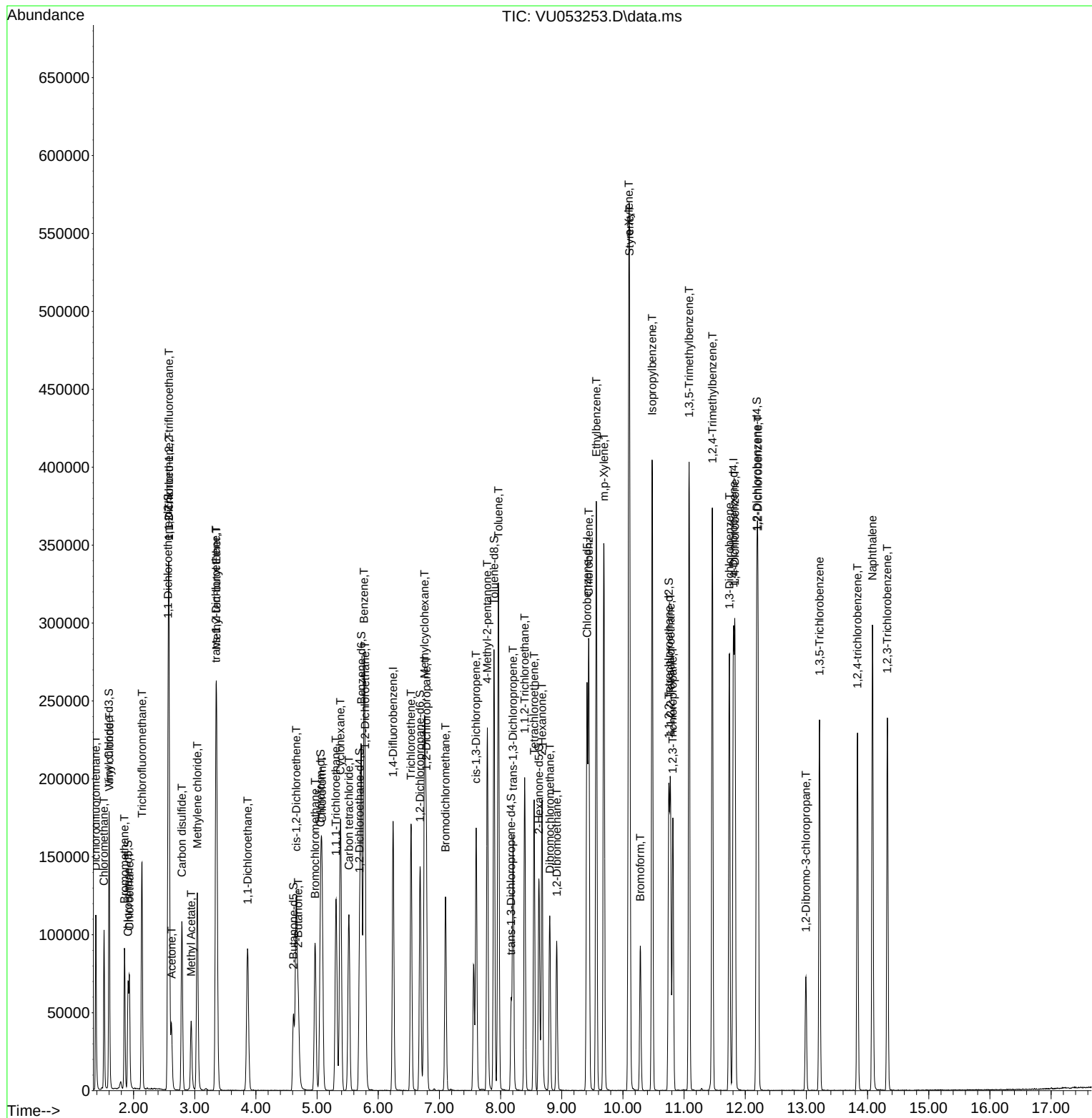
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	84256	51.742	ug/L	100
29) Cyclohexane	5.382	56	95463	48.927	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	87248	48.883	ug/L	98
31) Carbon tetrachloride	5.520	117	70774	48.401	ug/L	100
33) Benzene	5.768	78	231850	51.072	ug/L	100
34) Trichloroethene	6.536	95	57991	48.992	ug/L	97
35) Methylcyclohexane	6.758	83	96809	46.658	ug/L	99
37) 1,2-Dichloropropane	6.787	63	66314	52.358	ug/L	100
38) Bromodichloromethane	7.099	83	79806	50.632	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	100607	48.348	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	144599	111.075	ug/L	99
42) Toluene	7.964	91	238773	48.924	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	91798	48.261	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	59838	51.885	ug/L	98
46) Tetrachloroethene	8.549	164	35117	45.600	ug/L	97
48) 2-Hexanone	8.677	43	111887	102.636	ug/L	99
49) Dibromochloromethane	8.806	129	55692	47.207	ug/L	94
50) 1,2-Dibromoethane	8.919	107	62604	50.945	ug/L	96
51) Chlorobenzene	9.443	112	146461	48.150	ug/L	98
52) Ethylbenzene	9.565	91	268317	48.480	ug/L	99
53) m,p-Xylene	9.690	106	102063	49.408	ug/L	95
54) o-Xylene	10.095	106	100113	49.001	ug/L	99
55) Styrene	10.108	104	168086	49.363	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	95898	50.718	ug/L	98
59) Bromoform	10.285	173	36188	46.744	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	73184	54.138	ug/L	99
61) Isopropylbenzene	10.478	105	262563	48.849	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	214577	48.228	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	208737	48.131	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	104597	46.400	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	105404	46.576	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	108004	47.936	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	20278	54.247	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	66696	46.666	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	61477	47.872	ug/L	99
71) Naphthalene	14.079	128	232424	53.698	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	61678	50.646	ug/L	99

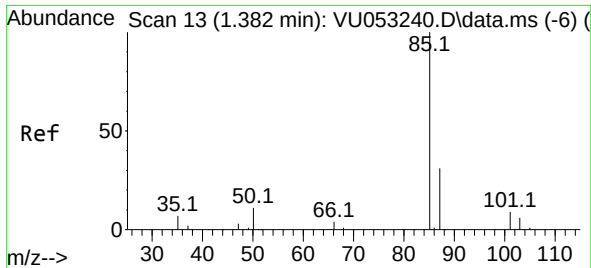
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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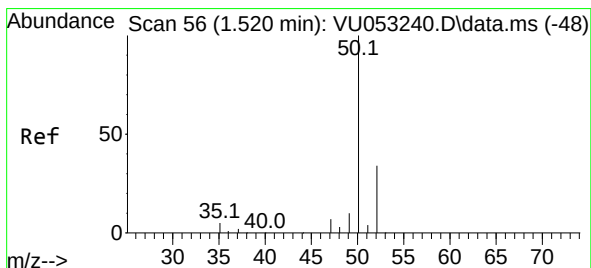
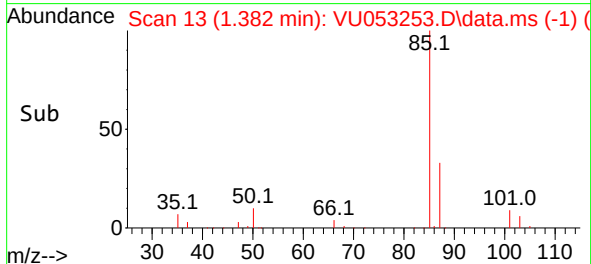
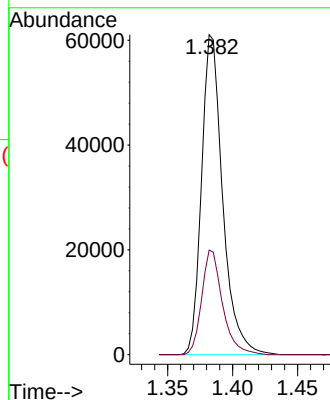
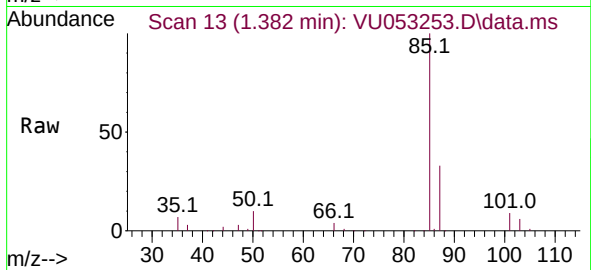




#2
Dichlorodifluoromethane
Concen: 48.887 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

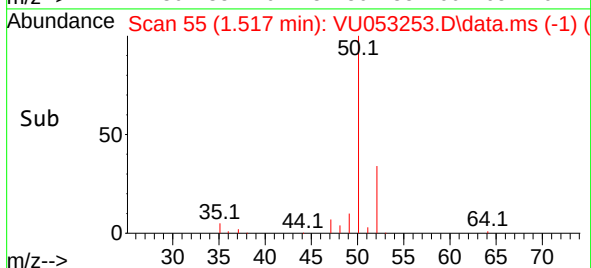
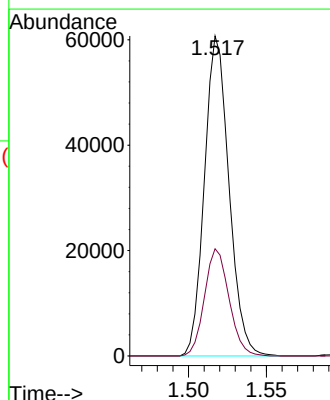
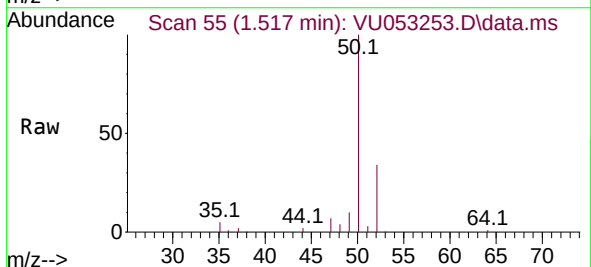
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

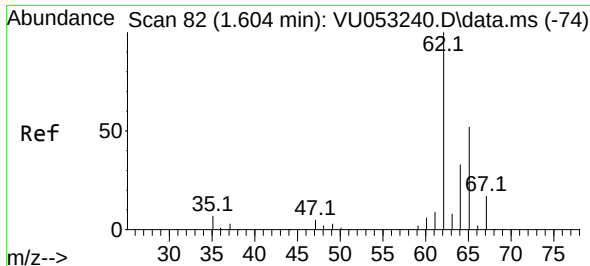
Tgt Ion: 85 Resp: 69158
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 50.992 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 50 Resp: 66469
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.4

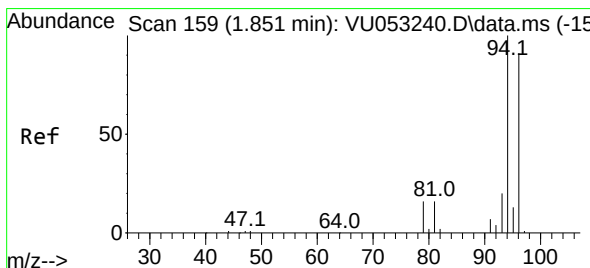
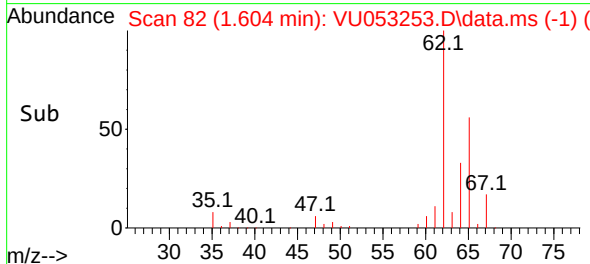
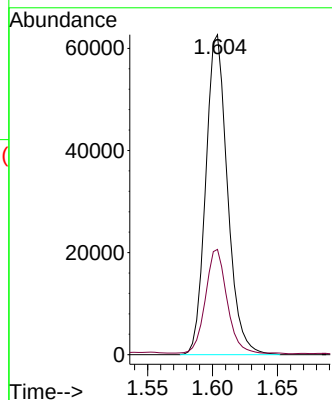
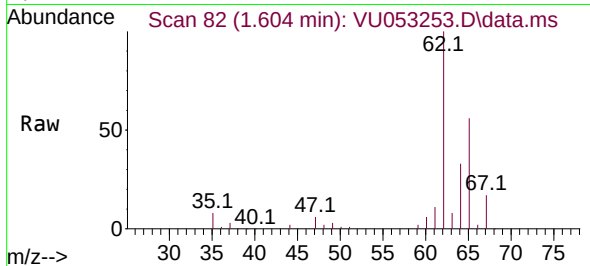




#5
 Vinyl chloride
 Concen: 51.243 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

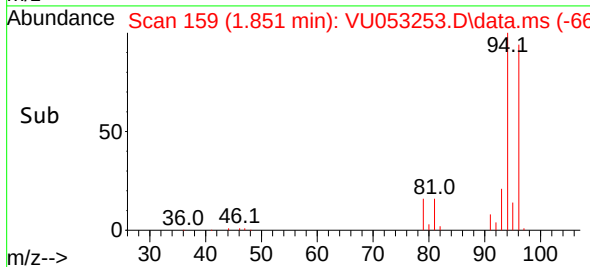
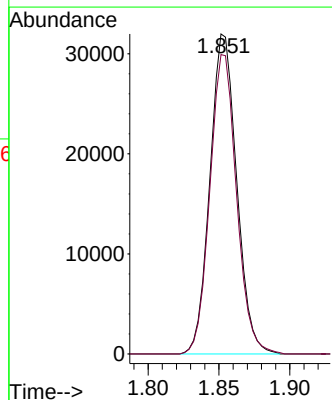
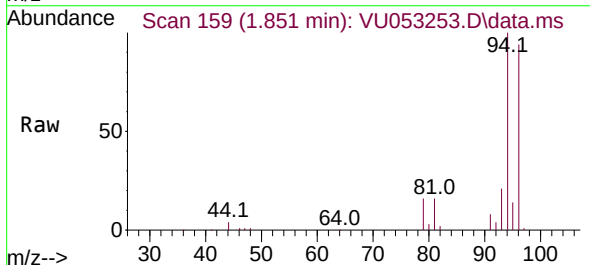
Instrument :
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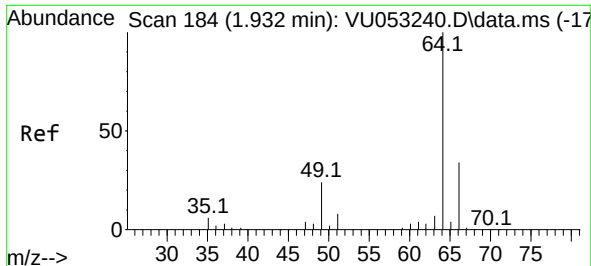
Tgt Ion: 62 Resp: 73070
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 48.980 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

Tgt Ion: 94 Resp: 41983
 Ion Ratio Lower Upper
 94 100
 96 93.5 67.5 125.3

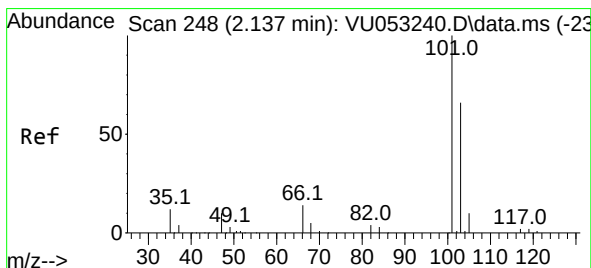
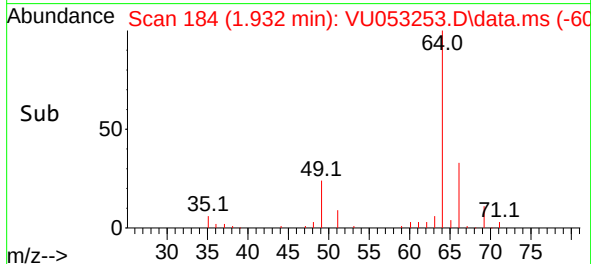
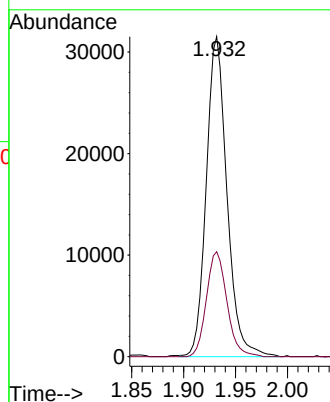
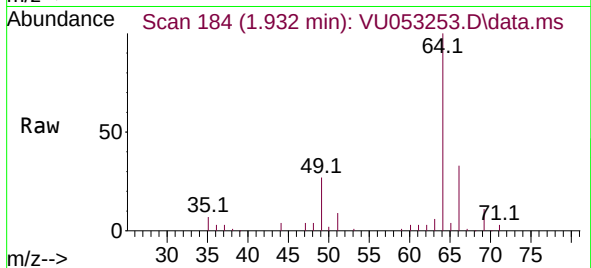




#8
Chloroethane
Concen: 51.704 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

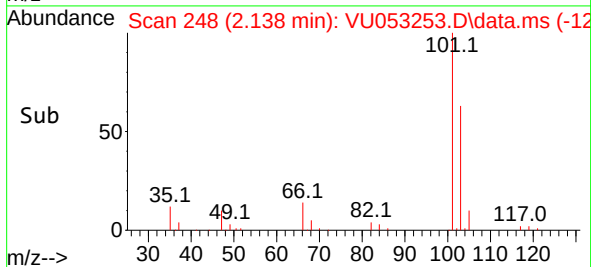
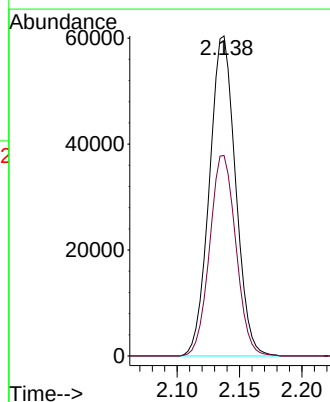
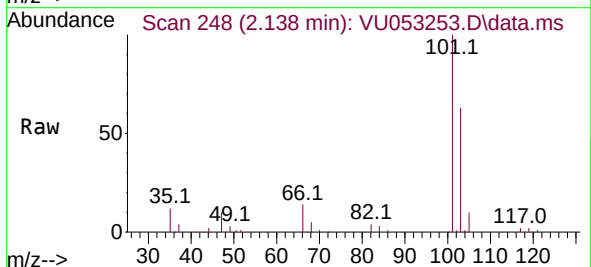
Instrument :
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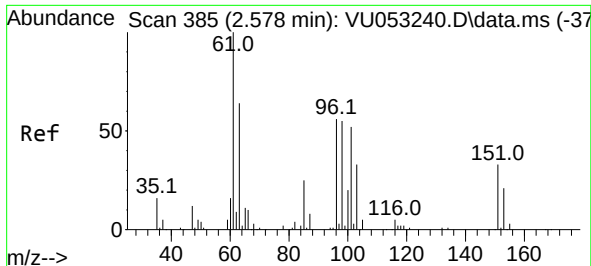
Tgt Ion: 64 Resp: 43550
Ion Ratio Lower Upper
64 100
66 32.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 49.611 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:101 Resp: 88265
Ion Ratio Lower Upper
101 100
103 62.9 52.0 78.0

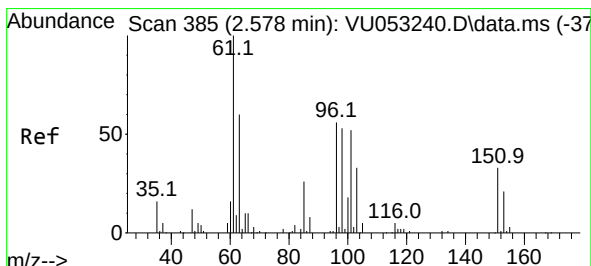
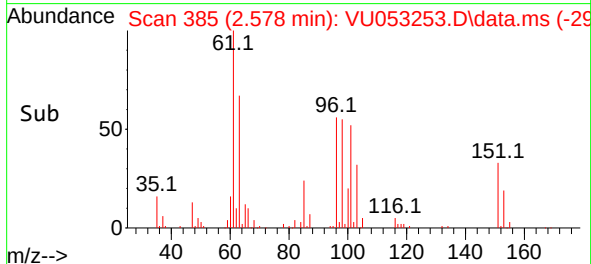
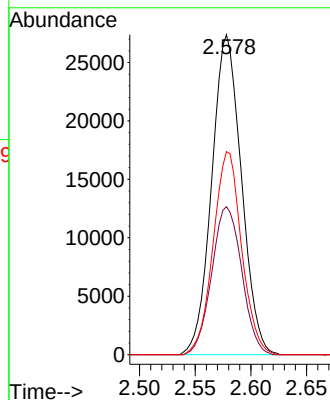
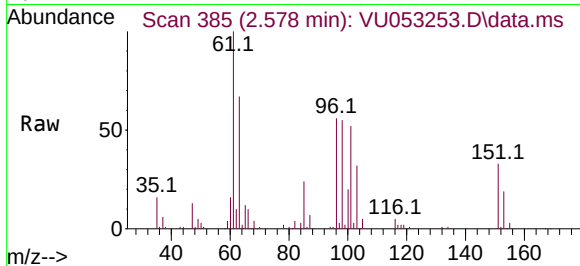




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.134 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

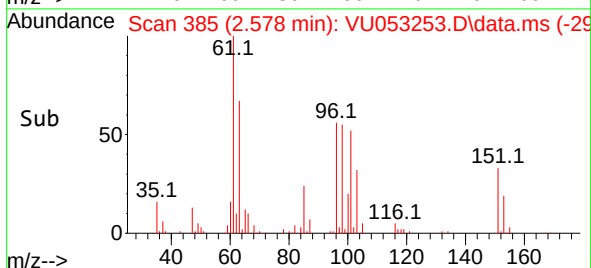
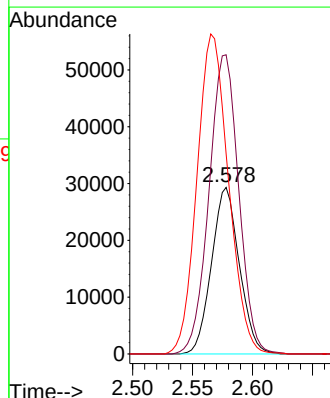
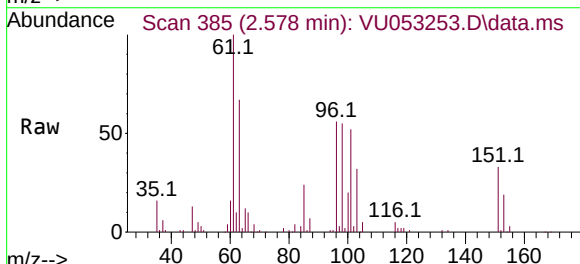
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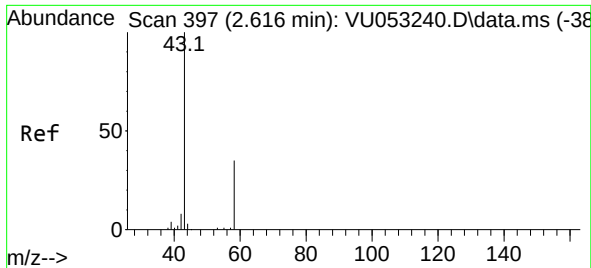
Tgt Ion:	101	Resp:	50727
Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.0	55.6
151	60.9	52.9	79.3



#12
 1,1-Dichloroethene
 Concen: 47.392 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

Tgt Ion:	96	Resp:	47170
Ion	Ratio	Lower	Upper
96	100		
61	179.6	122.2	226.9
63	120.2	89.9	166.9





#13

Acetone

Concen: 69.362 ug/L

RT: 2.620 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

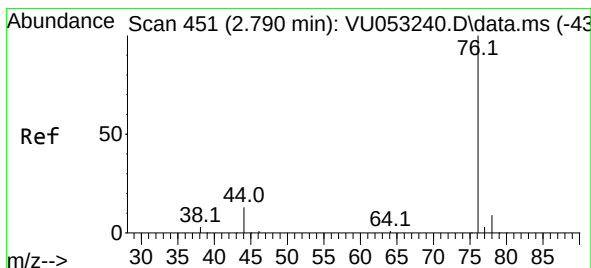
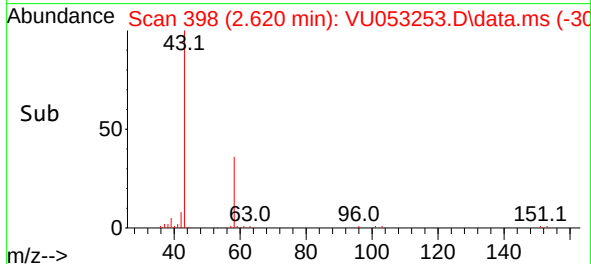
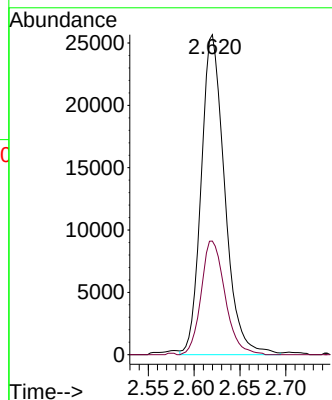
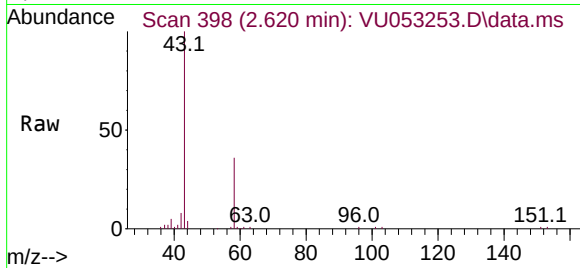
VSTD050163

Tgt Ion: 43 Resp: 45811

Ion Ratio Lower Upper

43 100

58 36.1 0.0 75.0



#14

Carbon disulfide

Concen: 46.880 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053253.D

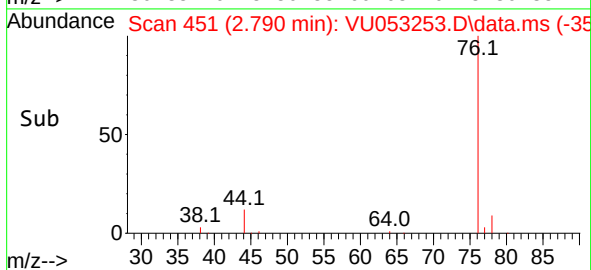
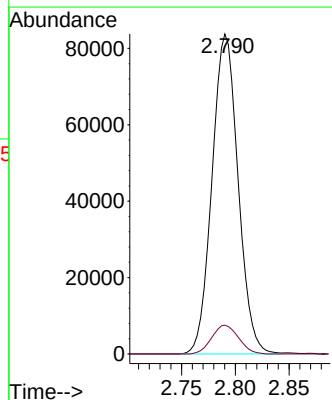
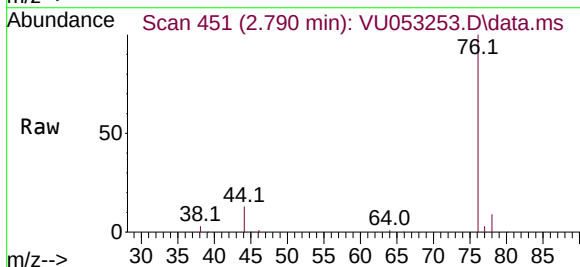
Acq: 17 Mar 2023 02:08

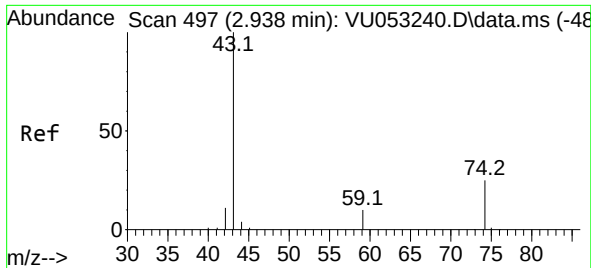
Tgt Ion: 76 Resp: 141326

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methyl Acetate

Concen: 58.715 ug/L

RT: 2.941 min Scan# 498

Delta R.T. 0.003 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

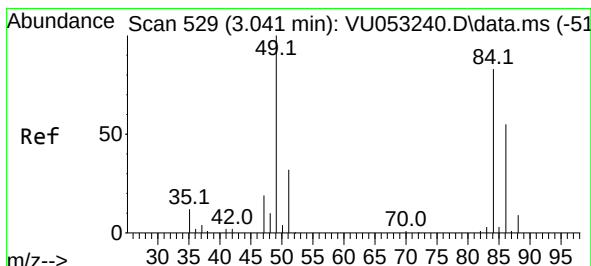
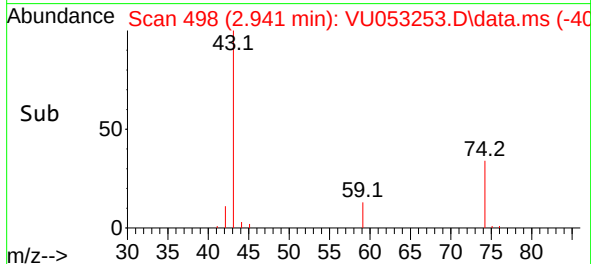
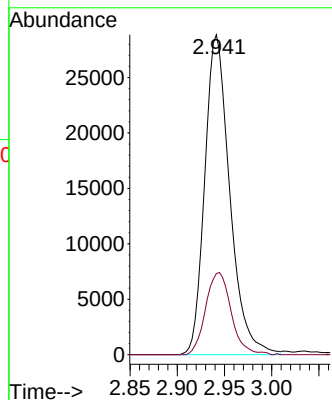
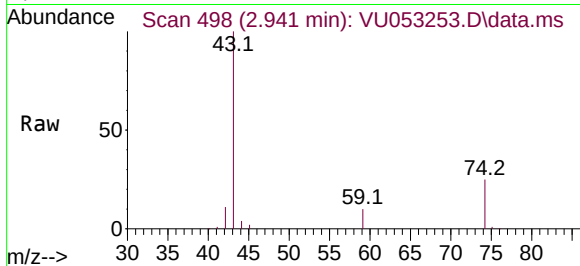
VSTD050163

Tgt Ion: 43 Resp: 53153

Ion Ratio Lower Upper

43 100

74 25.9 21.4 32.0



#16

Methylene chloride

Concen: 48.214 ug/L

RT: 3.041 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

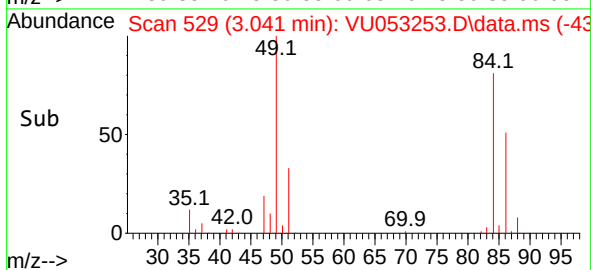
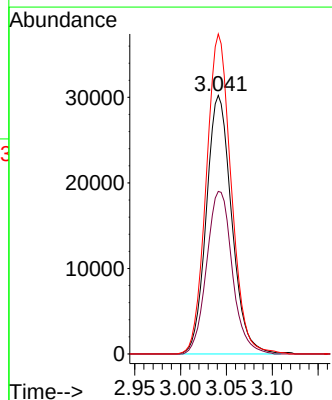
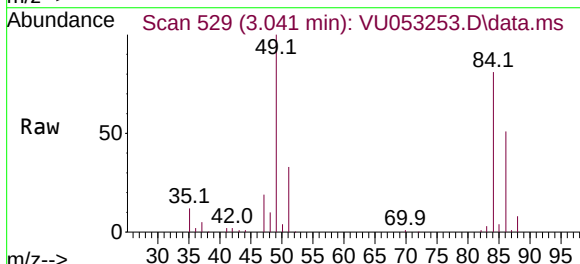
Tgt Ion: 84 Resp: 58217

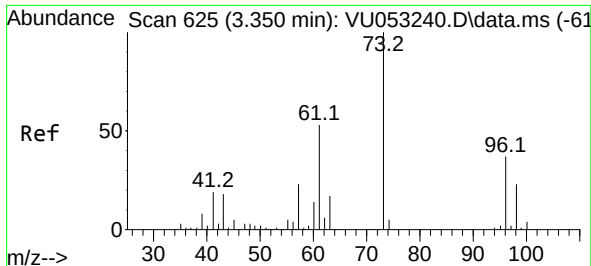
Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.4

49 123.8 81.6 151.6

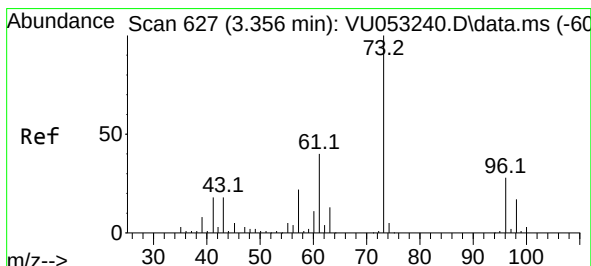
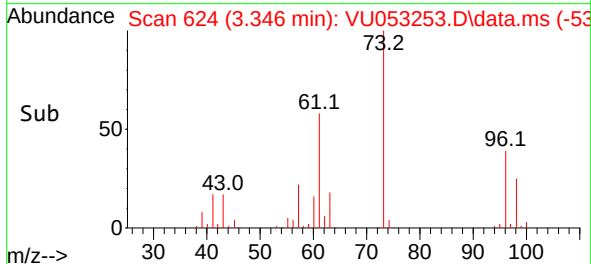
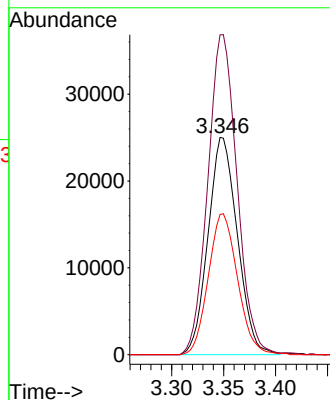
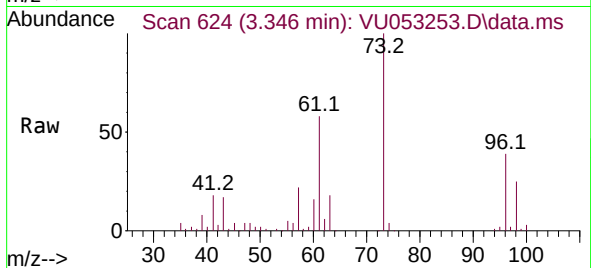




#17
trans-1,2-Dichloroethene
Concen: 48.629 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

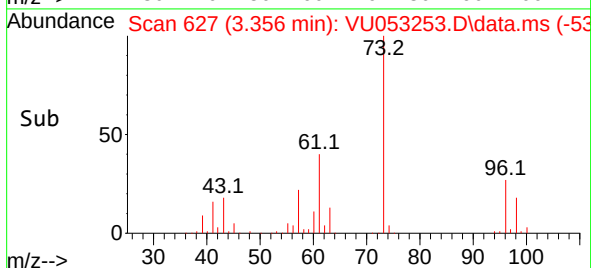
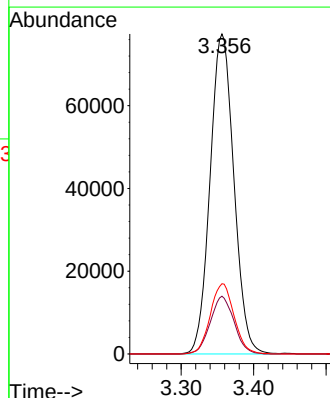
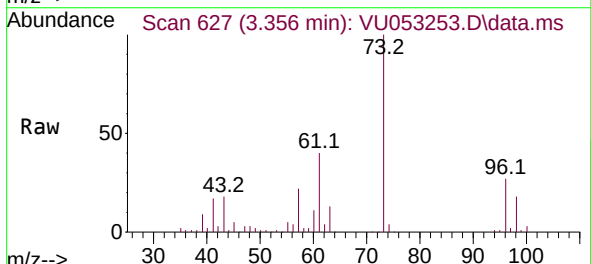
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

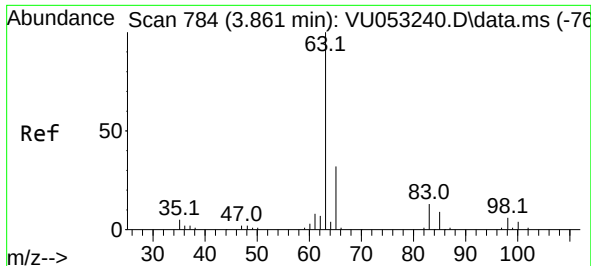
Tgt Ion: 96 Resp: 49109
Ion Ratio Lower Upper
96 100
61 147.2 99.6 185.0
98 64.5 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 51.980 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 73 Resp: 176513
Ion Ratio Lower Upper
73 100
43 18.0 14.2 21.2
57 22.0 18.0 27.0

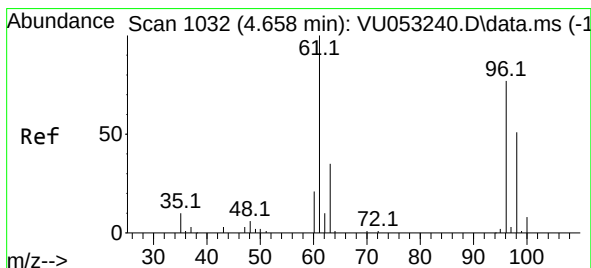
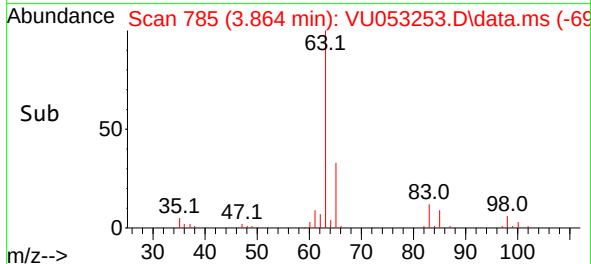
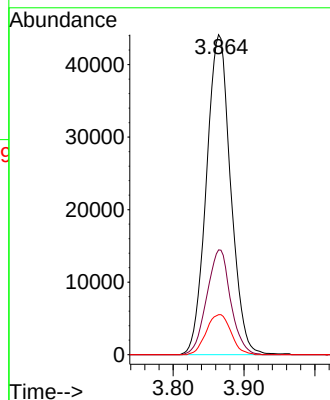
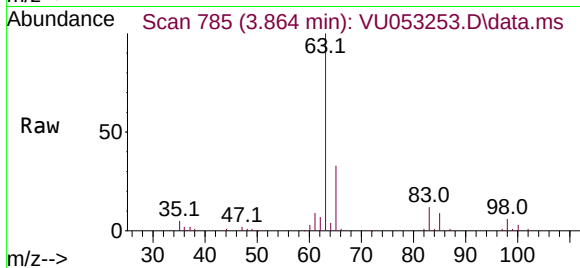




#19
1,1-Dichloroethane
Concen: 50.895 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

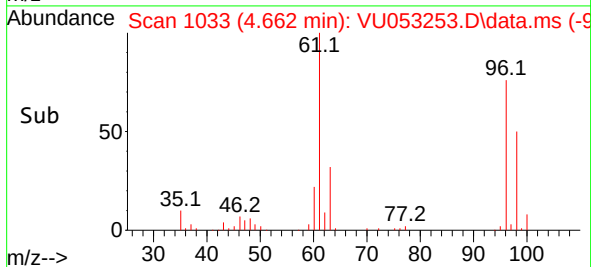
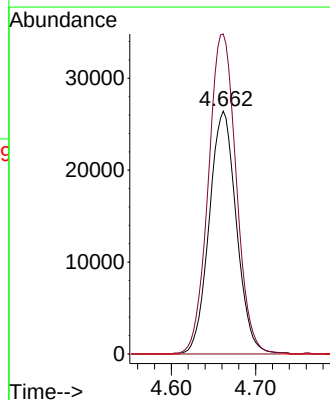
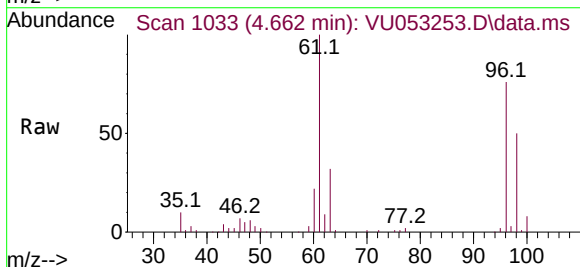
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

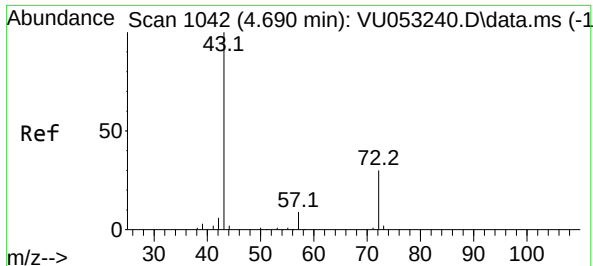
Tgt Ion: 63 Resp: 104918
Ion Ratio Lower Upper
63 100
65 32.8 22.8 42.4
83 12.5 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 49.970 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 96 Resp: 59272
Ion Ratio Lower Upper
96 100
61 131.8 92.5 171.7
68 0.0 0.0 0.0

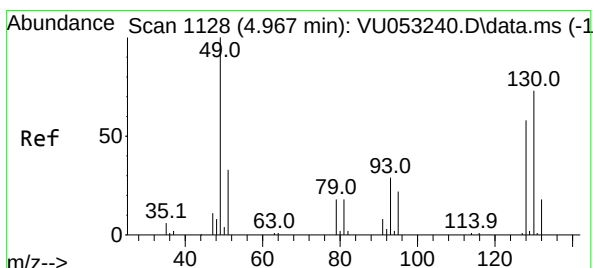
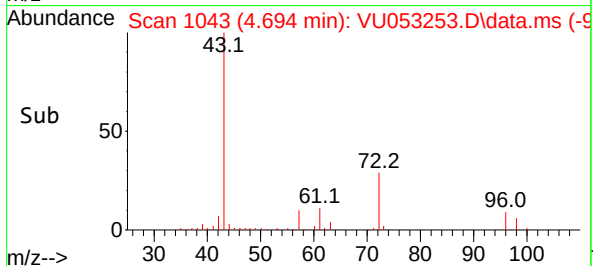
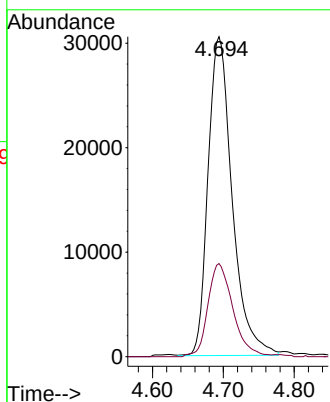
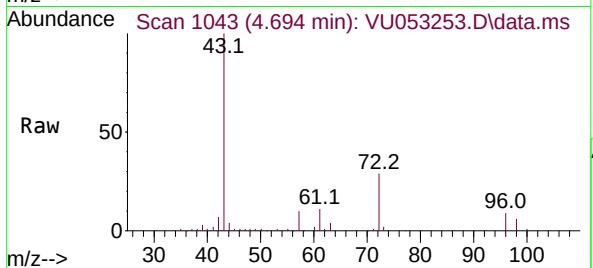




#22
2-Butanone
Concen: 95.984 ug/L
RT: 4.694 min Scan# 1042
Delta R.T. 0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

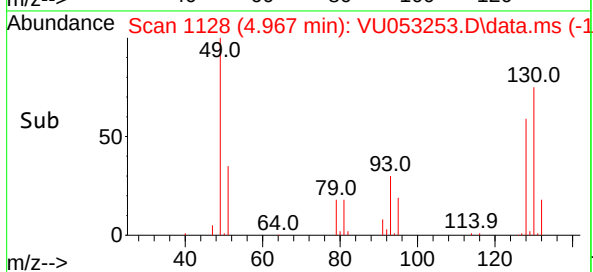
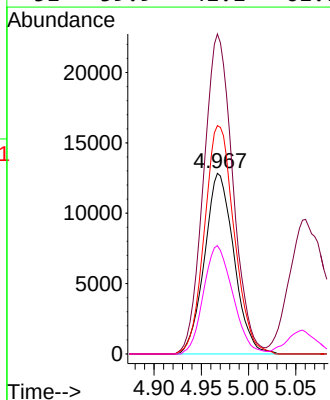
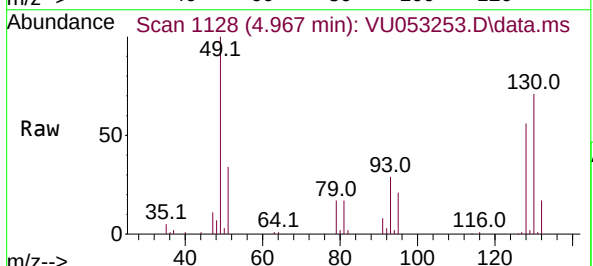
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

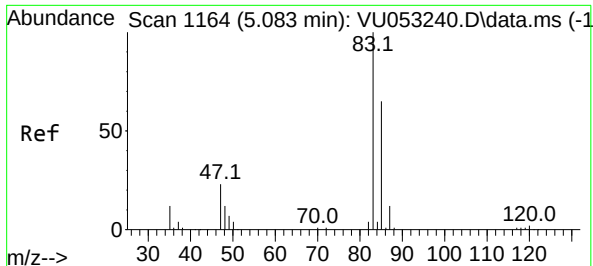
Tgt Ion: 43 Resp: 72223
Ion Ratio Lower Upper
43 100
72 30.3 16.0 47.9



#23
Bromochloromethane
Concen: 49.062 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:128 Resp: 27748
Ion Ratio Lower Upper
128 100
49 177.1 109.9 204.1
130 126.4 87.2 161.9
51 59.9 41.1 61.7





#25

Chloroform

Concen: 50.661 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

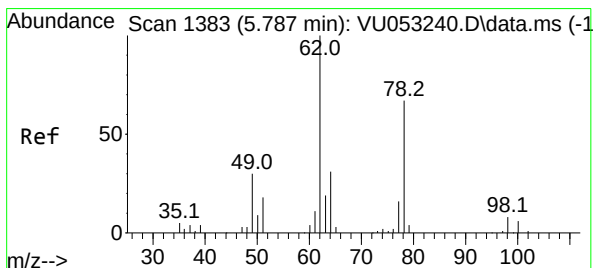
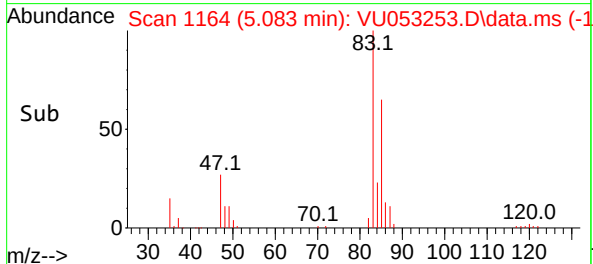
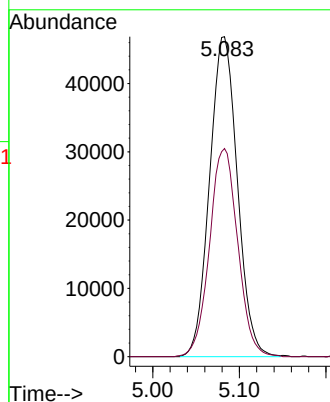
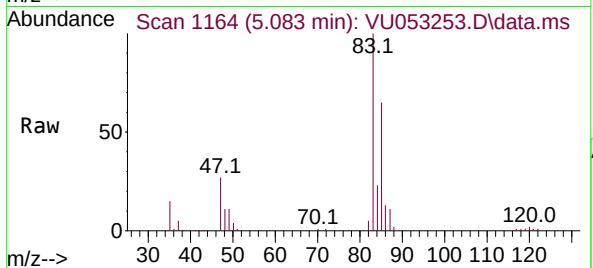
VSTD050163

Tgt Ion: 83 Resp: 104505

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3



#27

1,2-Dichloroethane

Concen: 51.742 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053253.D

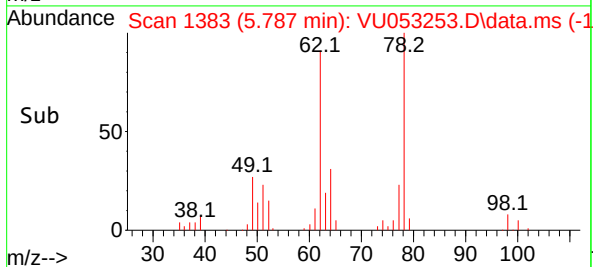
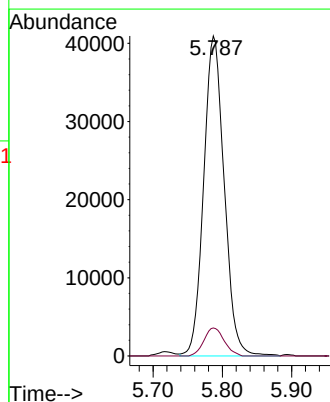
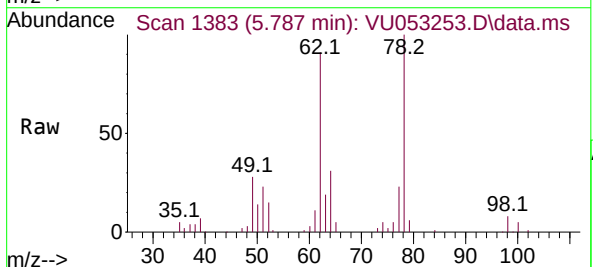
Acq: 17 Mar 2023 02:08

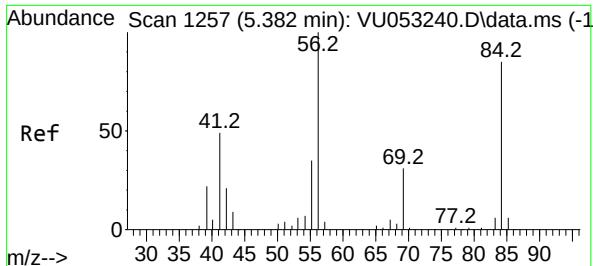
Tgt Ion: 62 Resp: 84256

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 48.927 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

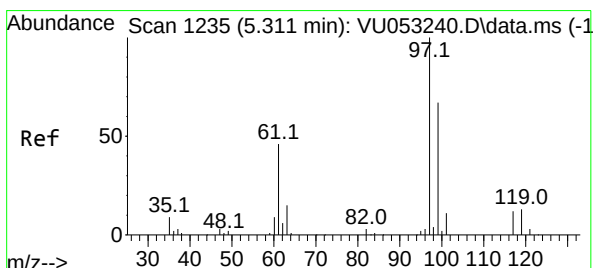
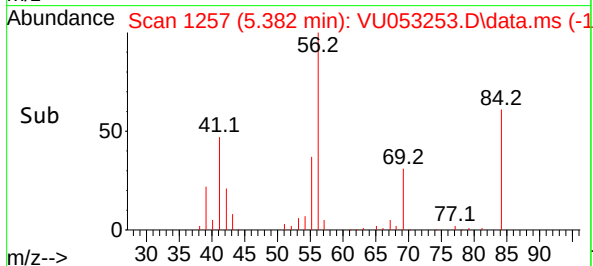
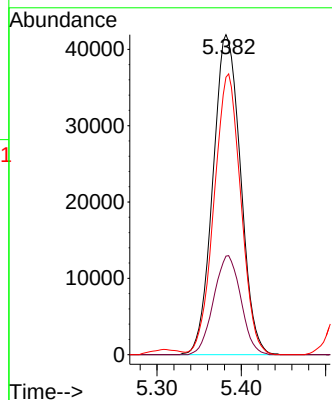
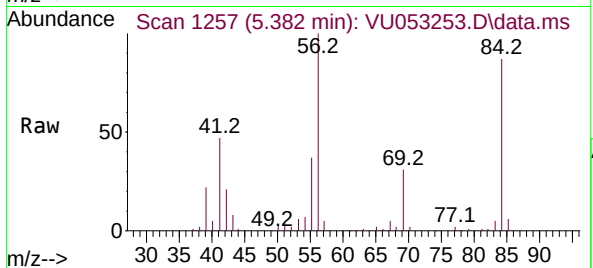
Tgt Ion: 56 Resp: 95463

Ion Ratio Lower Upper

56 100

69 30.3 25.4 38.0

84 85.1 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 48.883 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

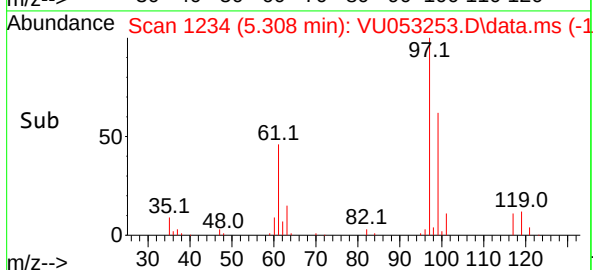
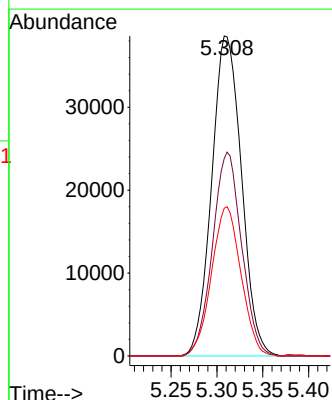
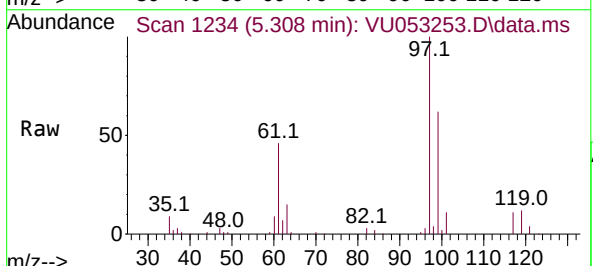
Tgt Ion: 97 Resp: 87248

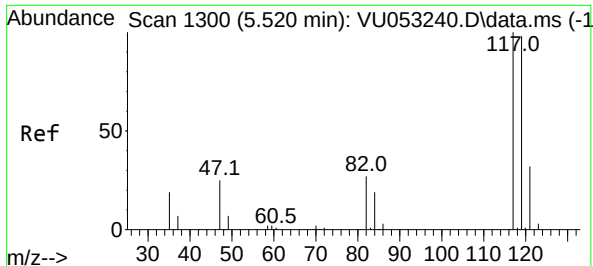
Ion Ratio Lower Upper

97 100

99 62.2 50.6 76.0

61 46.2 36.0 54.0

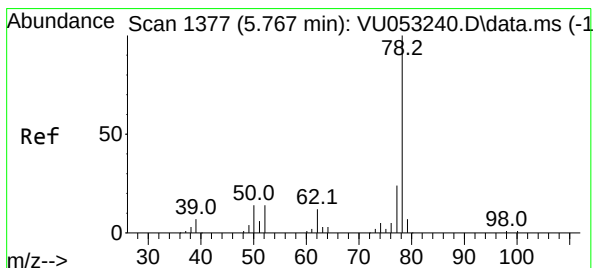
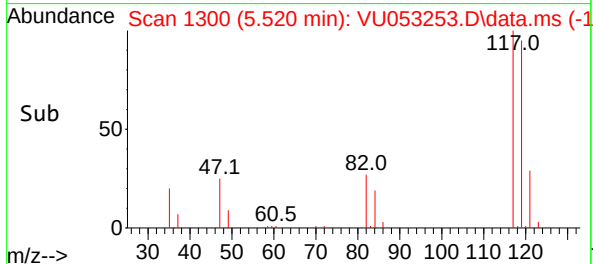
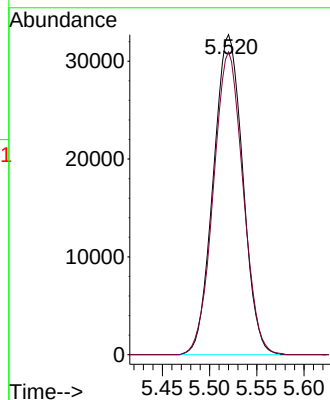
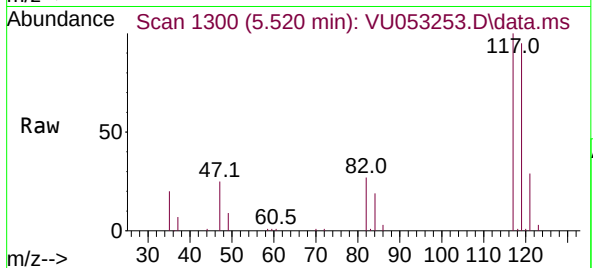




#31
Carbon tetrachloride
Concen: 48.401 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

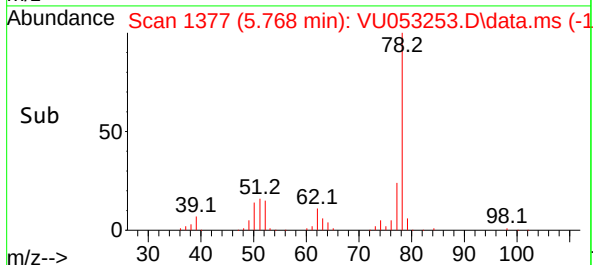
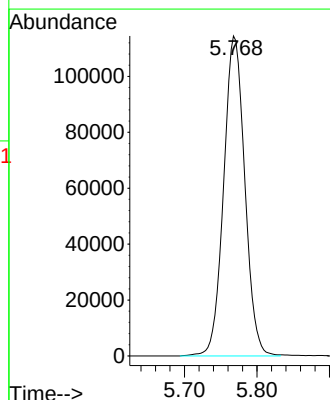
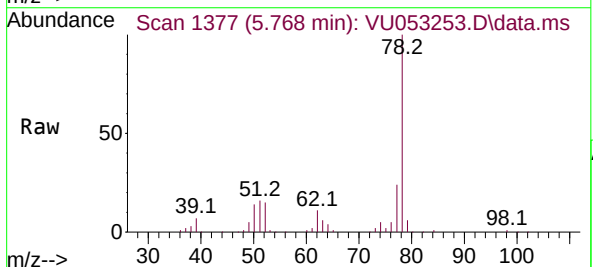
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

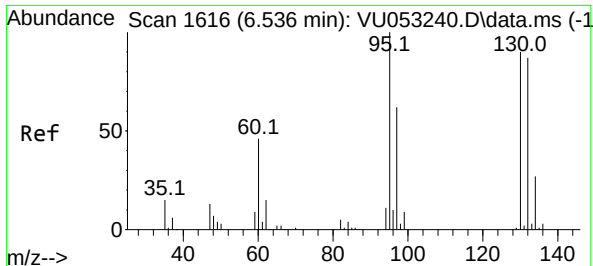
Tgt Ion:117 Resp: 70774
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.2



#33
Benzene
Concen: 51.072 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 78 Resp: 231850





#34

Trichloroethene

Concen: 48.992 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

Tgt Ion: 95 Resp: 57991

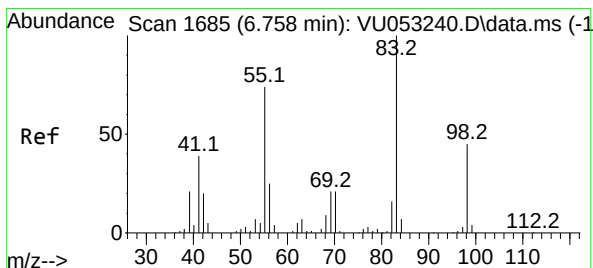
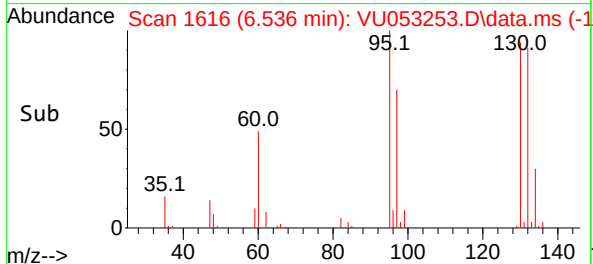
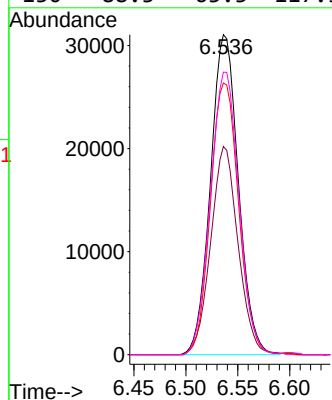
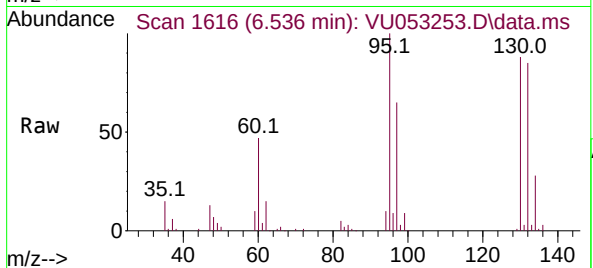
Ion Ratio Lower Upper

95 100

97 65.0 43.8 81.3

132 84.9 61.5 114.3

130 88.3 63.3 117.5



#35

Methylcyclohexane

Concen: 46.658 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

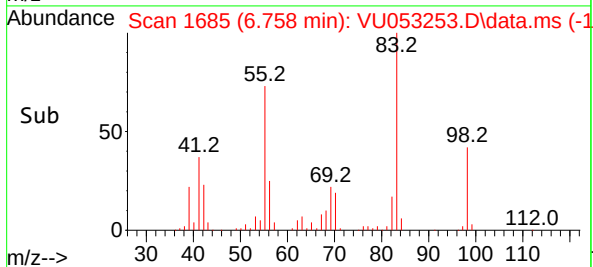
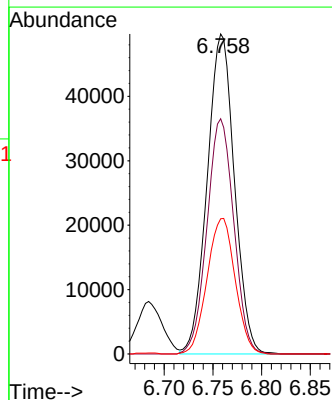
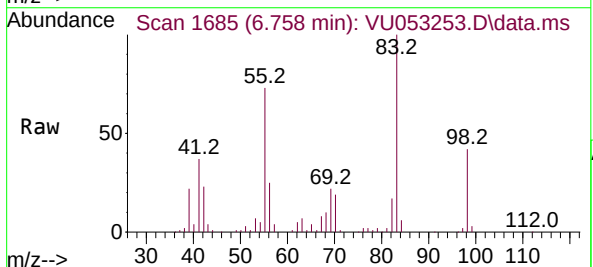
Tgt Ion: 83 Resp: 96809

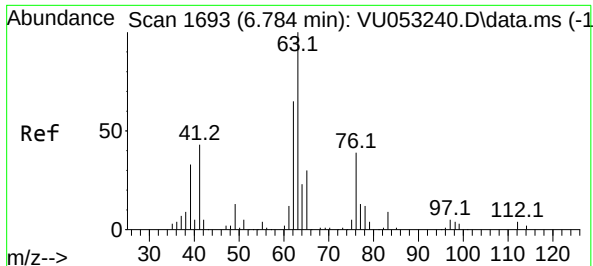
Ion Ratio Lower Upper

83 100

55 72.2 58.2 87.4

98 43.6 35.4 53.2





#37

1,2-Dichloropropane

Concen: 52.358 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

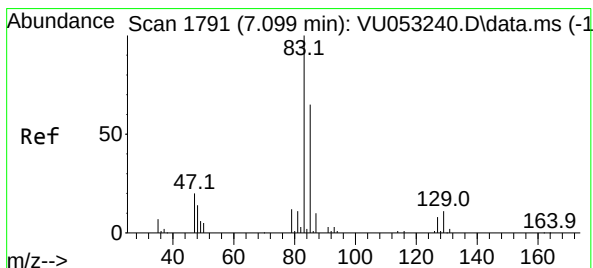
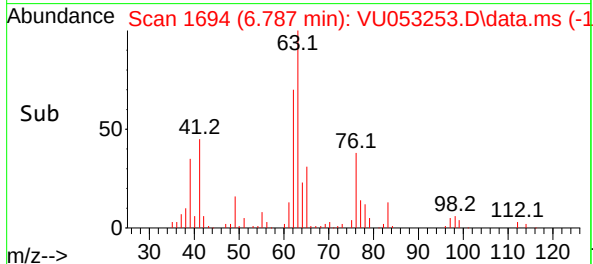
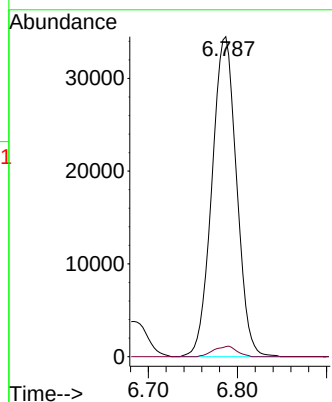
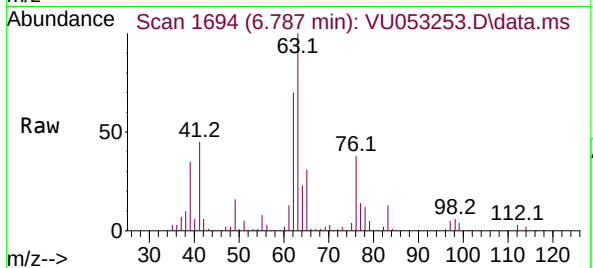
VSTD050163

Tgt Ion: 63 Resp: 66314

Ion Ratio Lower Upper

63 100

112 3.1 2.6 3.8



#38

Bromodichloromethane

Concen: 50.632 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

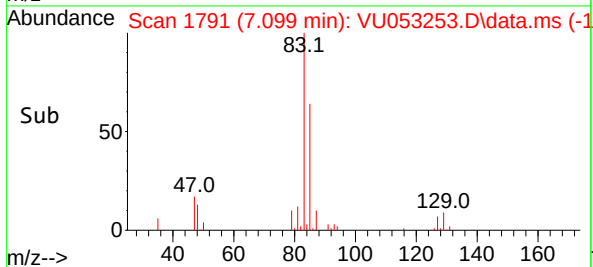
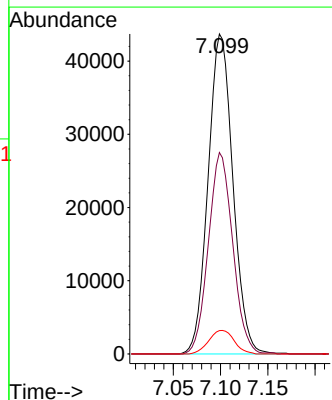
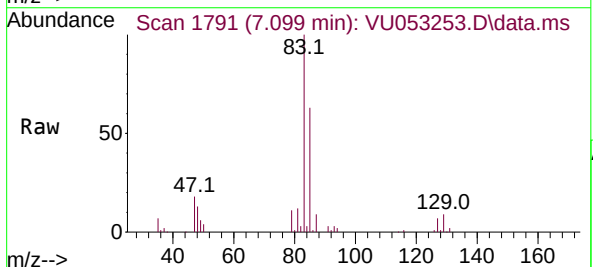
Tgt Ion: 83 Resp: 79806

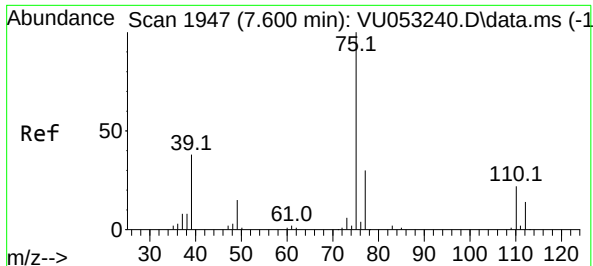
Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

127 7.3 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 48.348 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

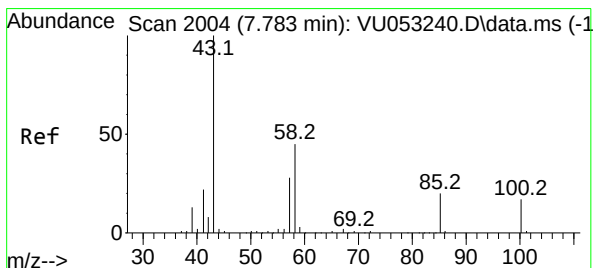
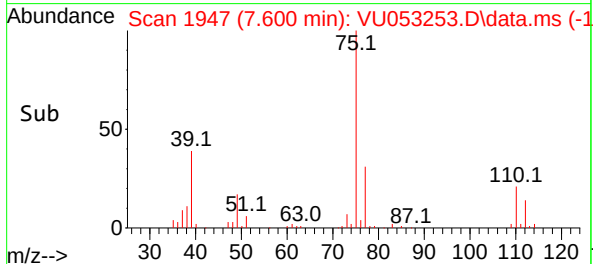
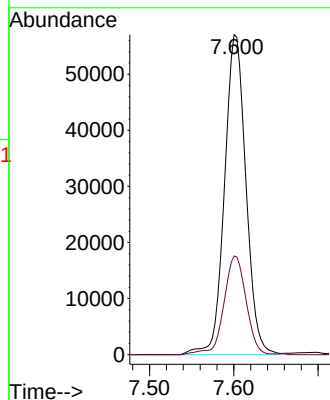
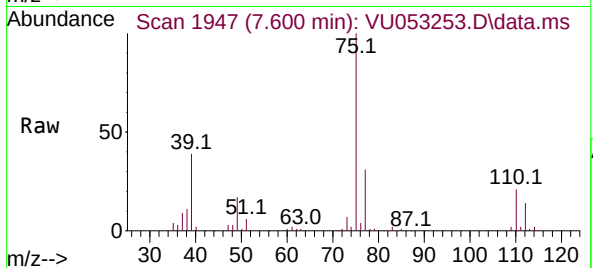
VSTD050163

Tgt Ion: 75 Resp: 100607

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 111.075 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

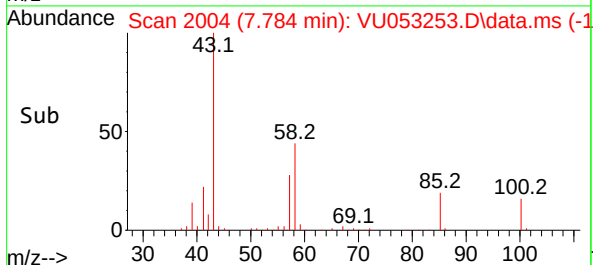
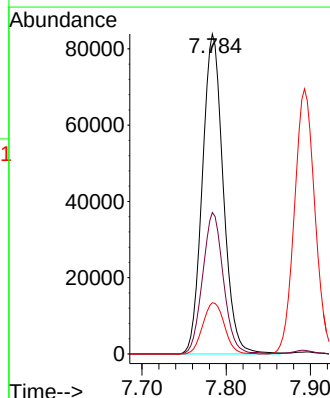
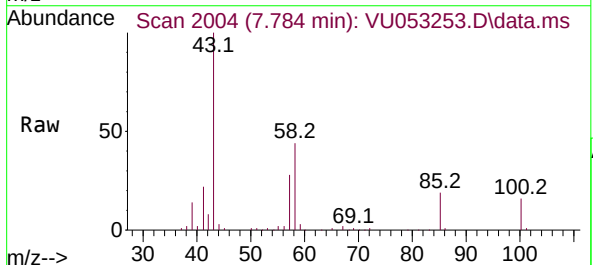
Tgt Ion: 43 Resp: 144599

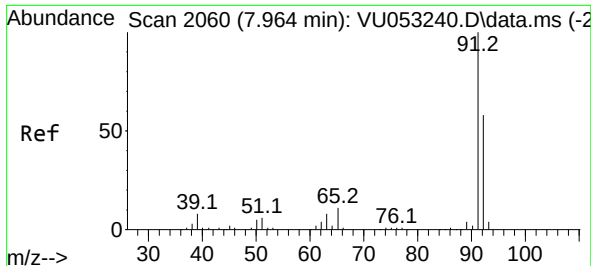
Ion Ratio Lower Upper

43 100

58 44.0 35.8 53.6

100 16.6 13.0 19.6





#42

Toluene

Concen: 48.924 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

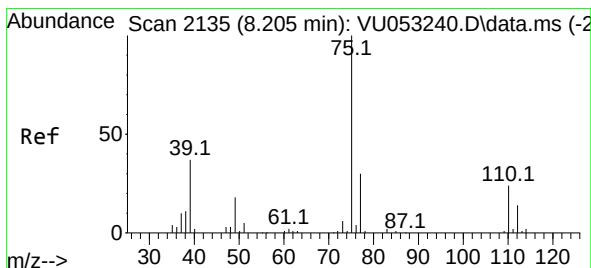
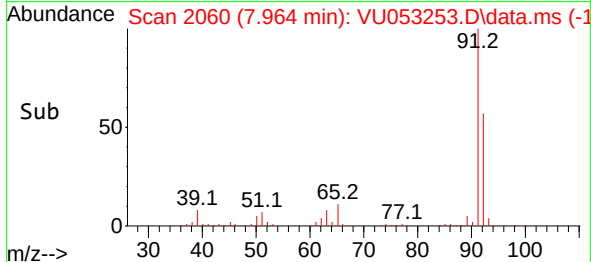
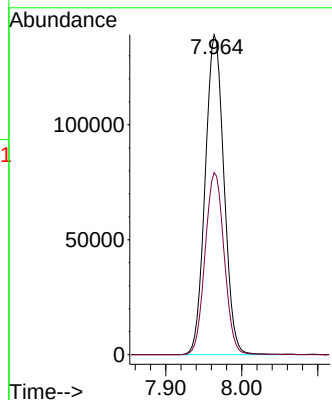
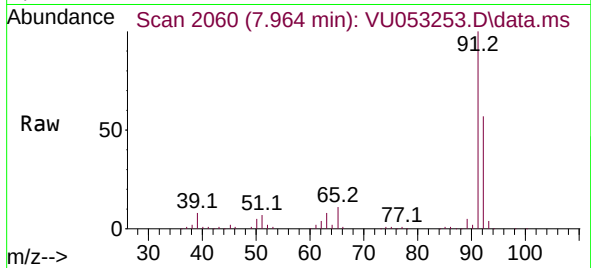
VSTD050163

Tgt Ion: 91 Resp: 238773

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.261 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053253.D

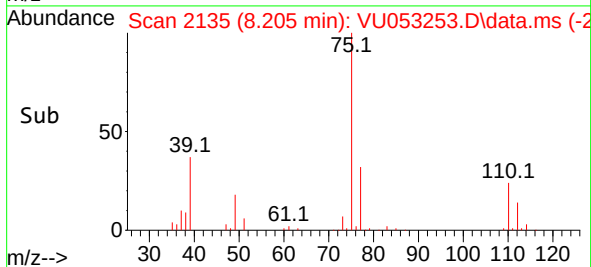
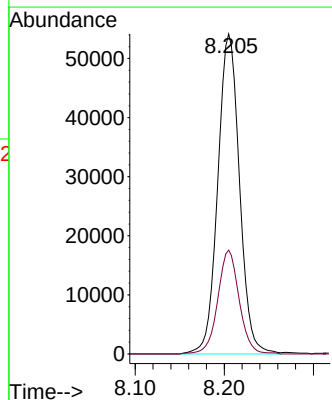
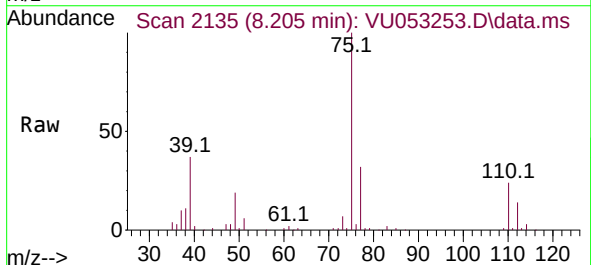
Acq: 17 Mar 2023 02:08

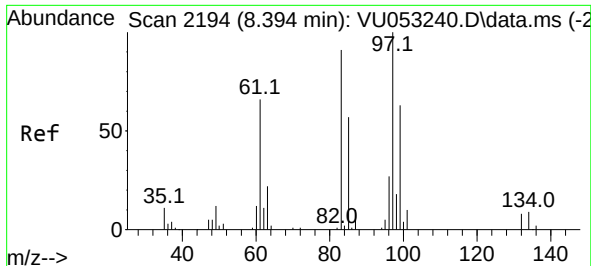
Tgt Ion: 75 Resp: 91798

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8



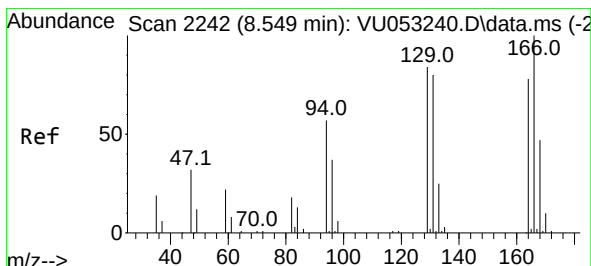
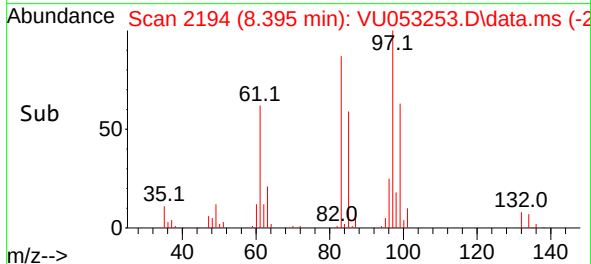
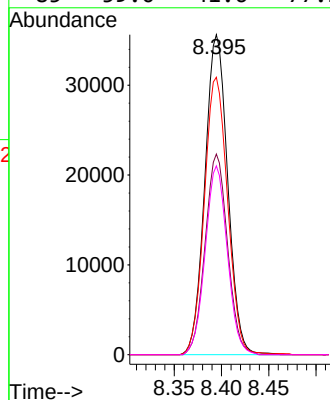
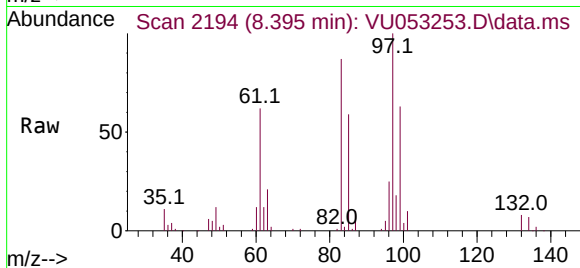


#45
1,1,2-Trichloroethane
Concen: 51.885 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Tgt Ion: 97 Resp: 59838

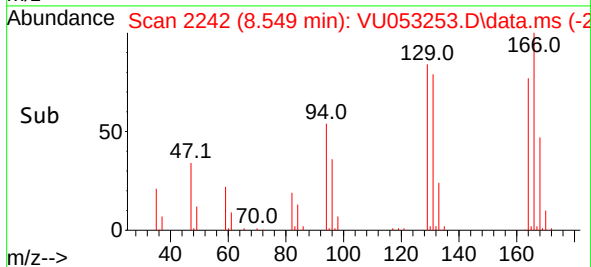
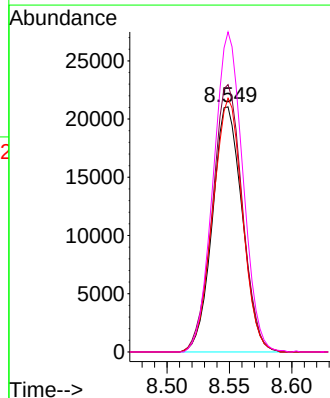
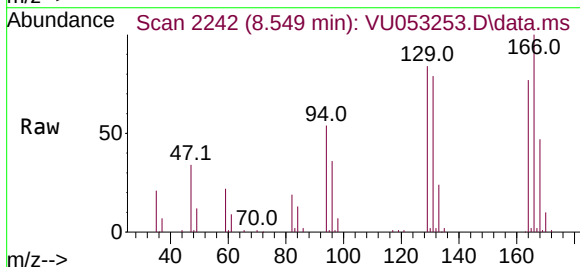
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.4	82.4
83	86.7	63.8	118.6
85	59.0	41.6	77.2

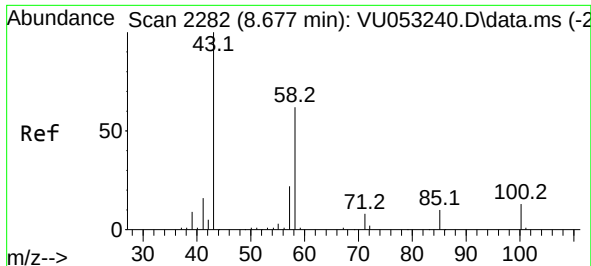


#46
Tetrachloroethene
Concen: 45.600 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 164 Resp: 35117

Ion	Ratio	Lower	Upper
164	100		
129	109.0	73.6	136.8
131	103.5	70.3	130.7
166	130.5	88.9	165.1



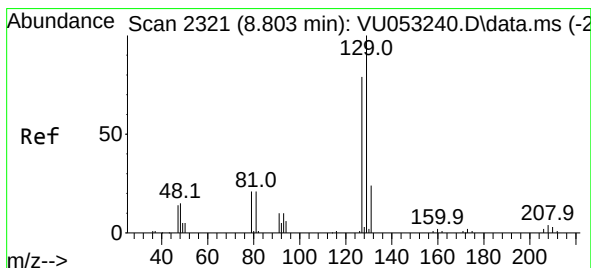
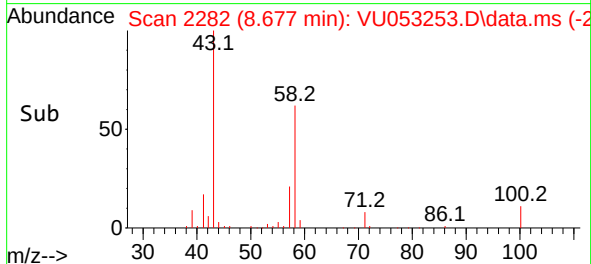
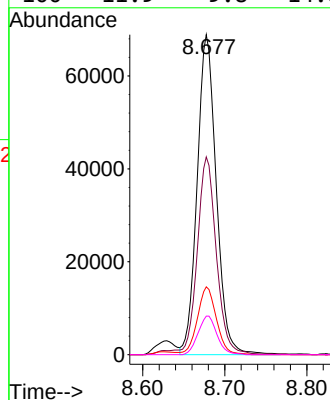
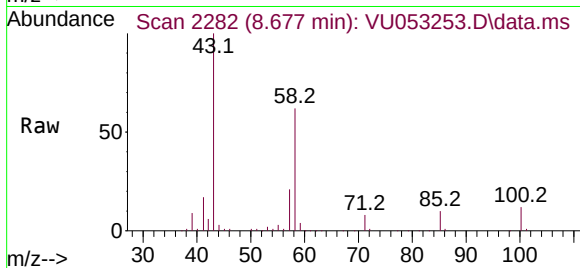


#48
2-Hexanone
Concen: 102.636 ug/L
RT: 8.677 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Tgt Ion: 43 Resp: 111887

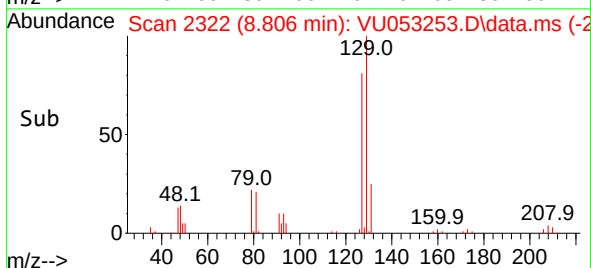
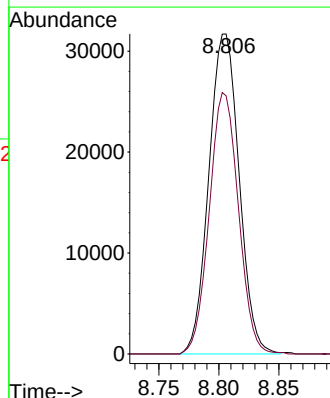
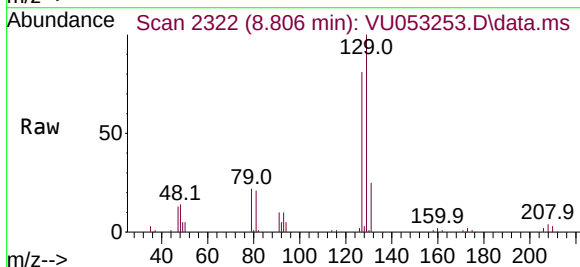
Ion	Ratio	Lower	Upper
43	100		
58	61.0	49.4	74.0
57	21.0	16.9	25.3
100	11.9	9.8	14.8

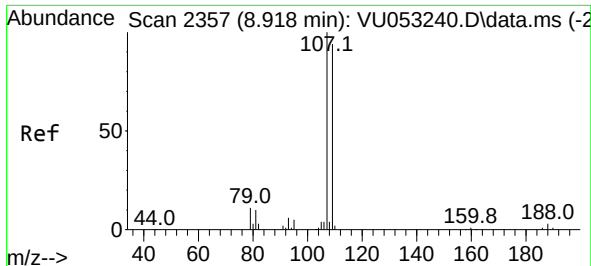


#49
Dibromochloromethane
Concen: 47.207 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 129 Resp: 55692

Ion	Ratio	Lower	Upper
129	100		
127	80.6	53.1	98.5





#50

1,2-Dibromoethane

Concen: 50.945 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

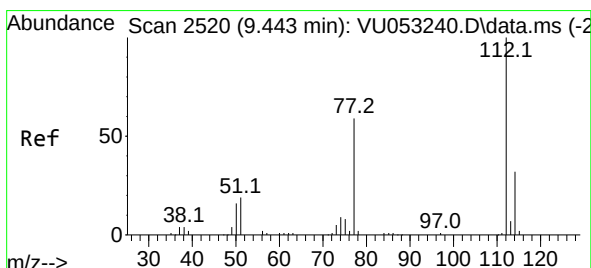
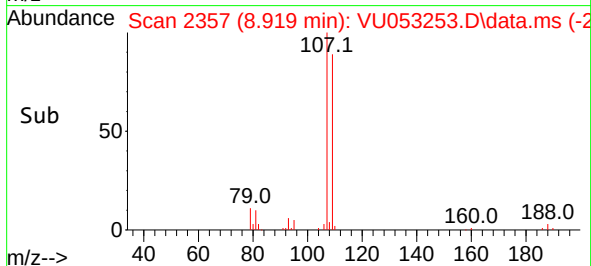
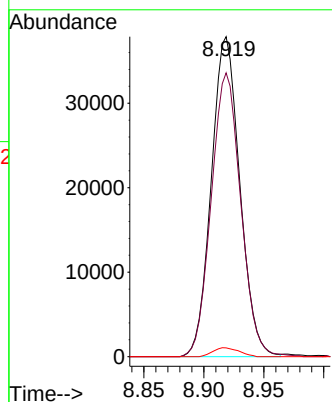
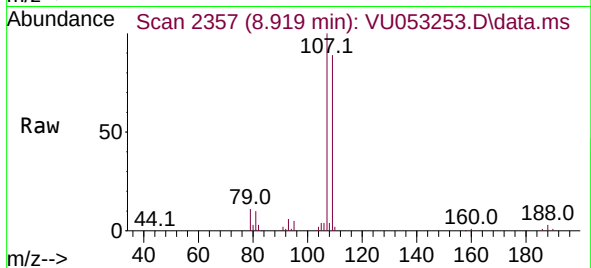
Tgt Ion:107 Resp: 62604

Ion Ratio Lower Upper

107 100

109 88.7 64.6 120.0

188 2.8 2.2 3.4



#51

Chlorobenzene

Concen: 48.150 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

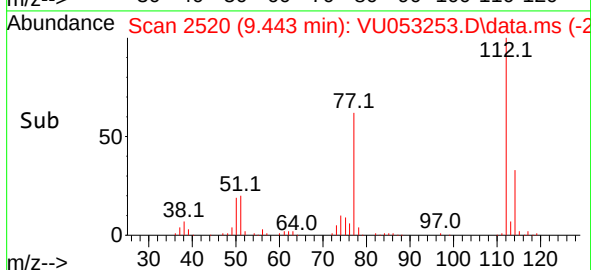
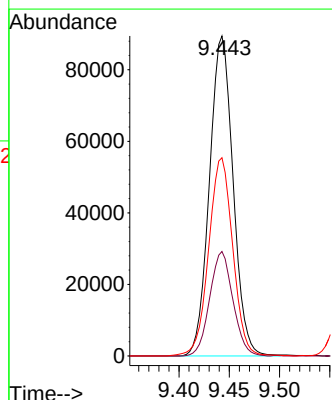
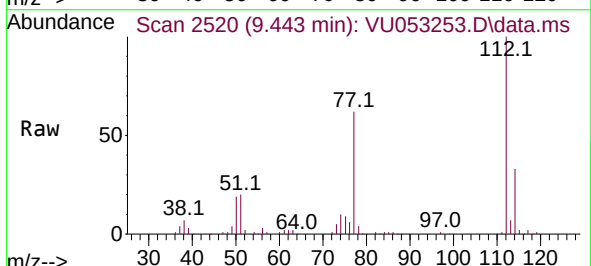
Tgt Ion:112 Resp: 146461

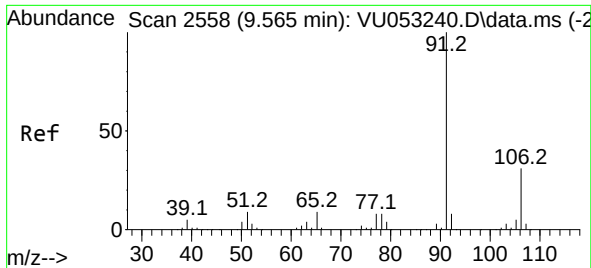
Ion Ratio Lower Upper

112 100

114 32.7 21.8 40.6

77 62.0 48.8 73.2

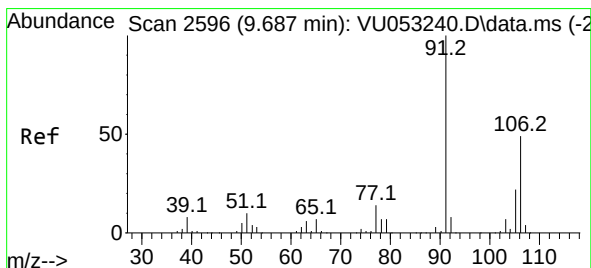
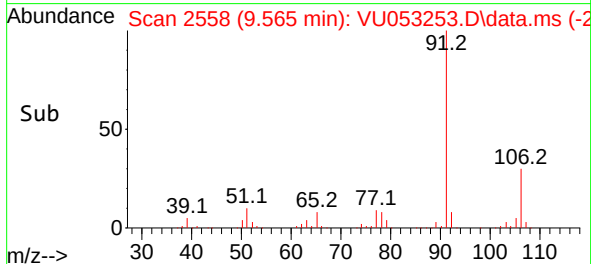
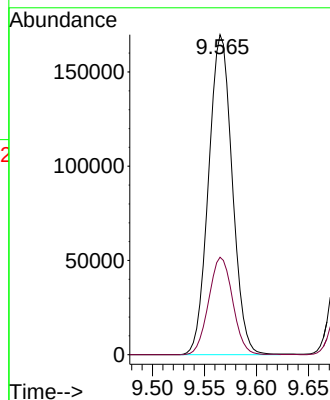
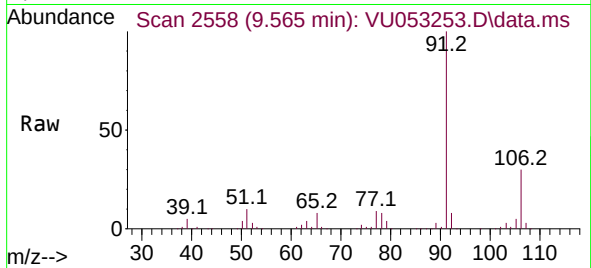




#52
Ethylbenzene
Concen: 48.480 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

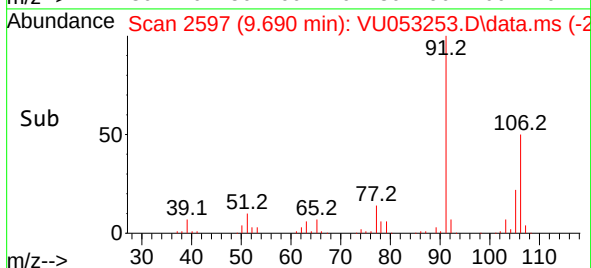
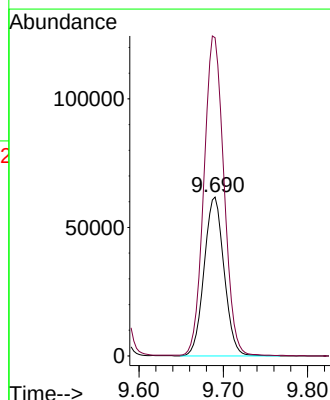
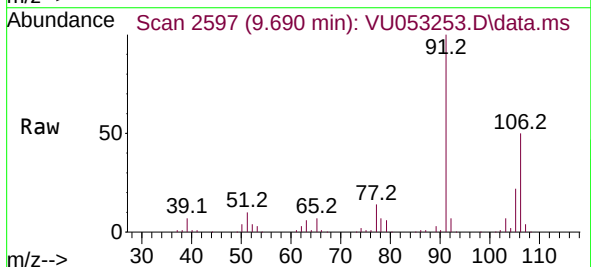
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

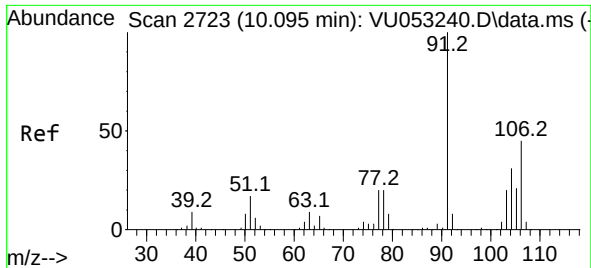
Tgt Ion: 91 Resp: 268317
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 49.408 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion: 106 Resp: 102063
Ion Ratio Lower Upper
106 100
91 200.3 145.3 269.8

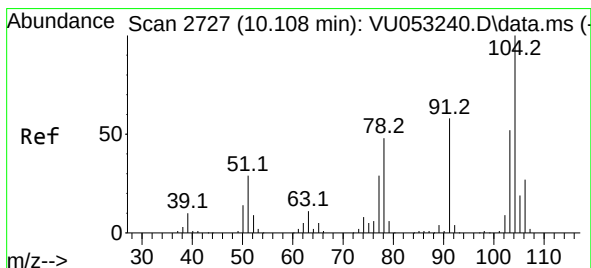
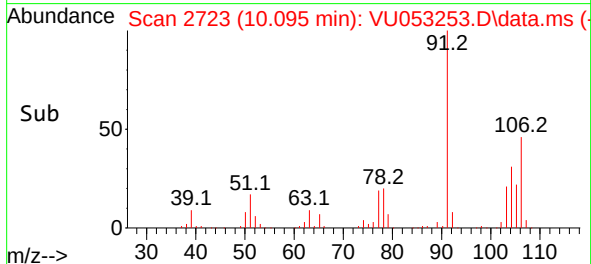
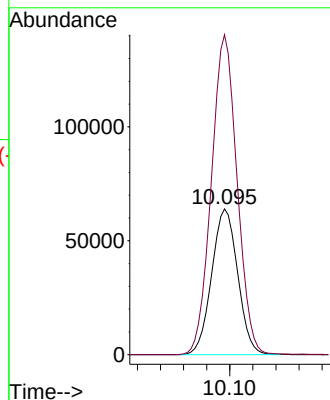
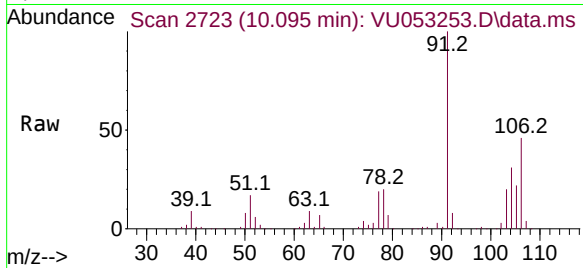




#54
o-Xylene
Concen: 49.001 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

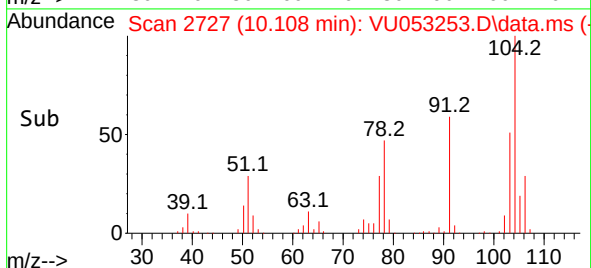
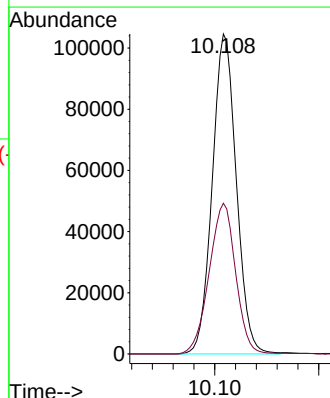
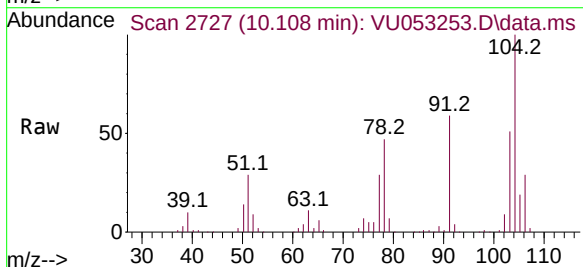
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

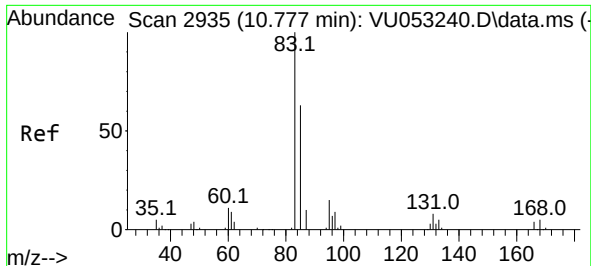
Tgt Ion:106 Resp: 100113
Ion Ratio Lower Upper
106 100
91 219.6 154.9 287.7



#55
Styrene
Concen: 49.363 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:104 Resp: 168086
Ion Ratio Lower Upper
104 100
78 47.1 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 50.718 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

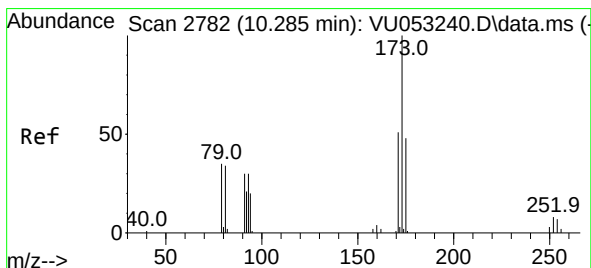
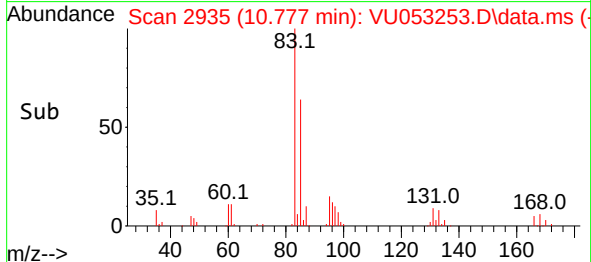
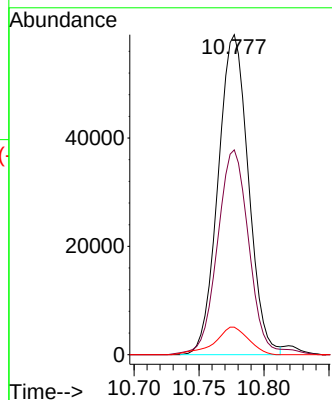
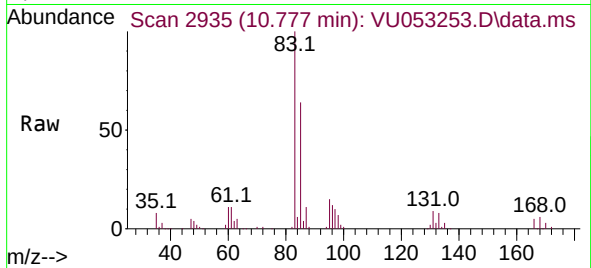
Tgt Ion: 83 Resp: 95898

Ion Ratio Lower Upper

83 100

85 64.0 46.0 85.4

131 8.6 6.6 10.0



#59

Bromoform

Concen: 46.744 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

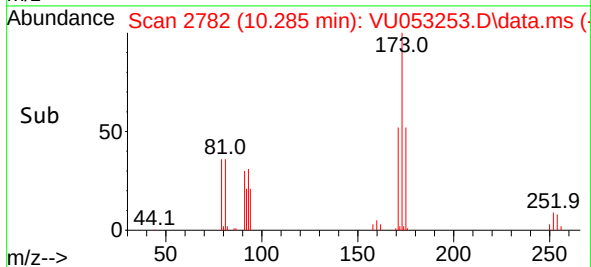
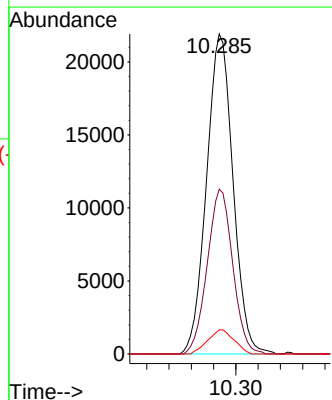
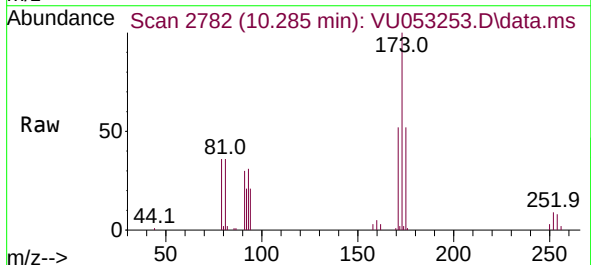
Tgt Ion:173 Resp: 36188

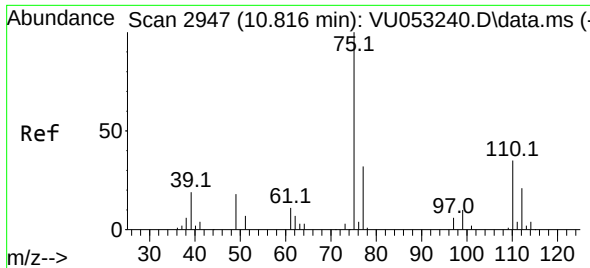
Ion Ratio Lower Upper

173 100

175 49.5 38.5 57.7

254 7.5 6.5 9.7

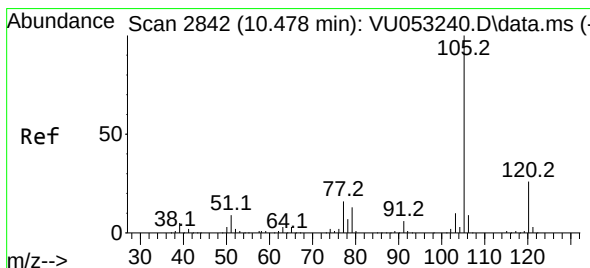
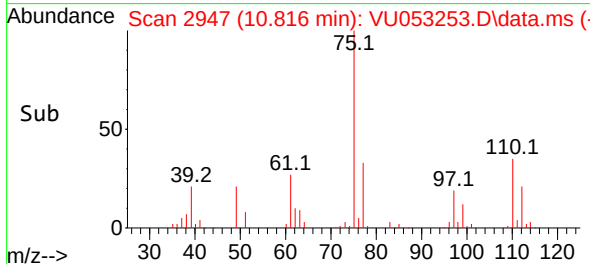
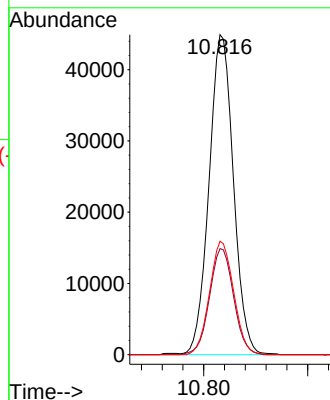
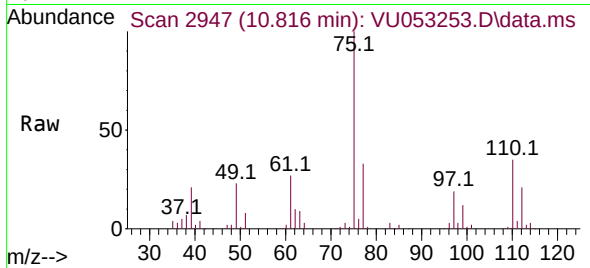




#60
1,2,3-Trichloropropane
Concen: 54.138 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

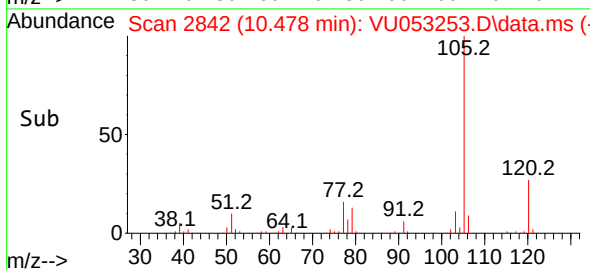
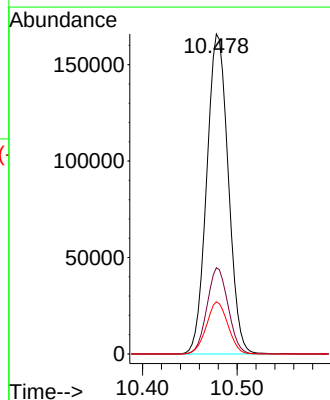
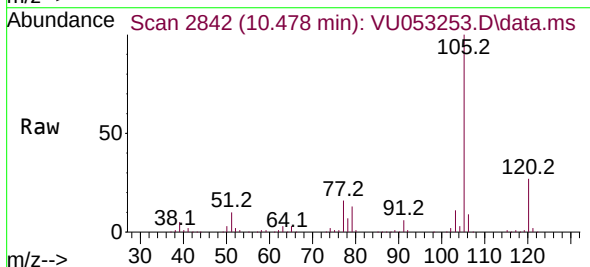
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

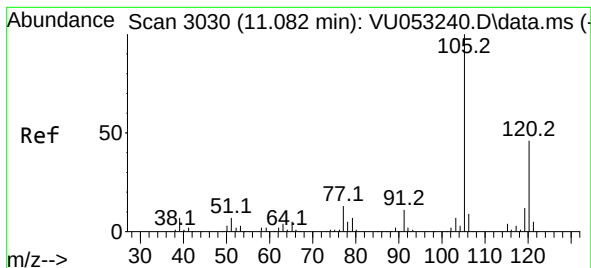
Tgt Ion:	75	Resp:	73184
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.6	40.0
110	34.9	28.6	42.8



#61
Isopropylbenzene
Concen: 48.849 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:	105	Resp:	262563
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.4	30.6
77	16.3	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 48.228 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

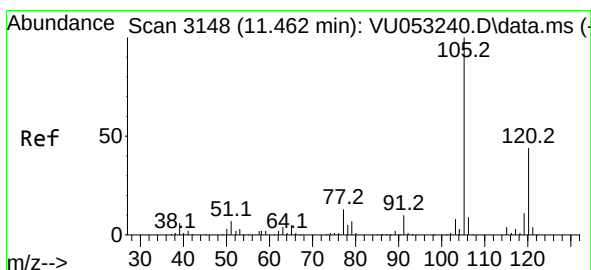
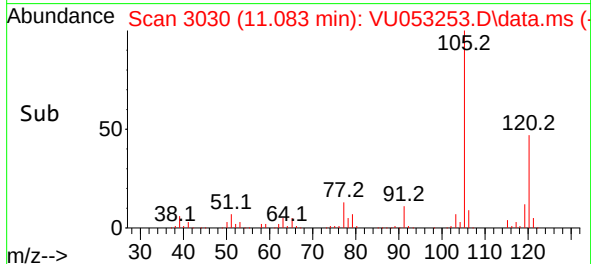
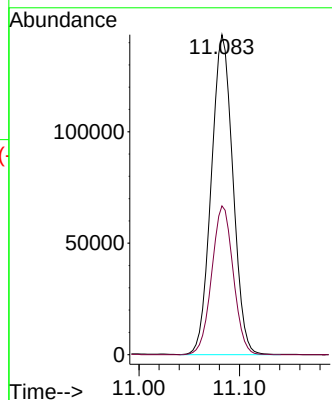
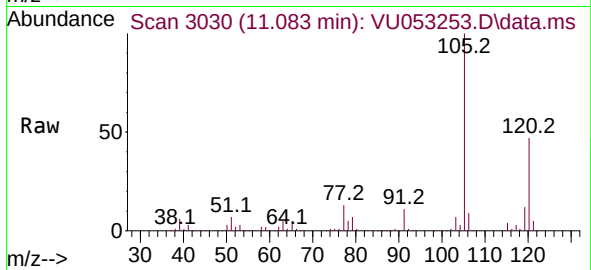
VSTD050163

Tgt Ion:105 Resp: 214577

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 48.131 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053253.D

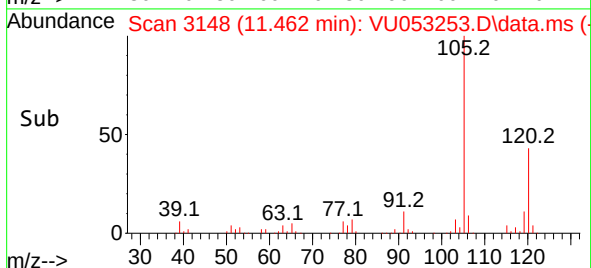
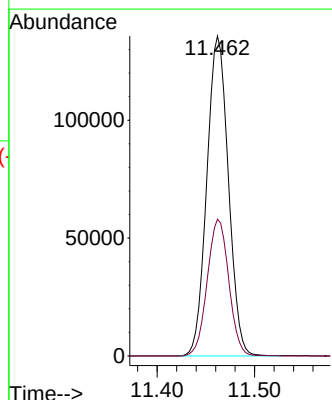
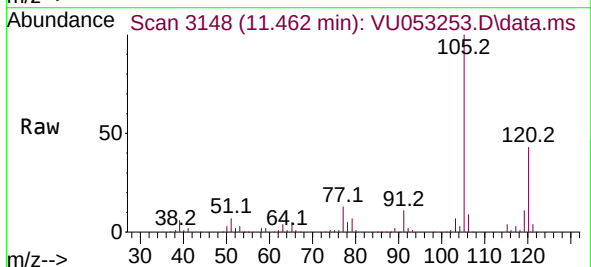
Acq: 17 Mar 2023 02:08

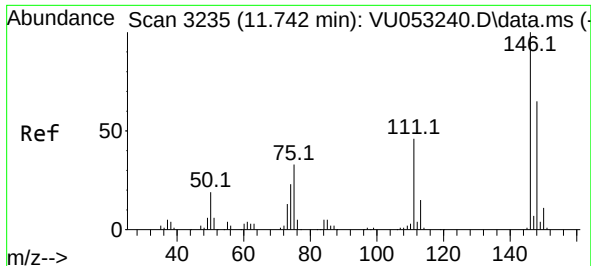
Tgt Ion:105 Resp: 208737

Ion Ratio Lower Upper

105 100

120 42.7 34.6 52.0

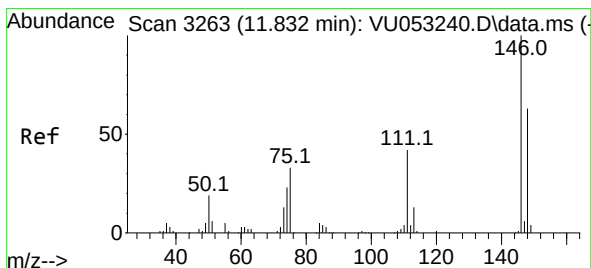
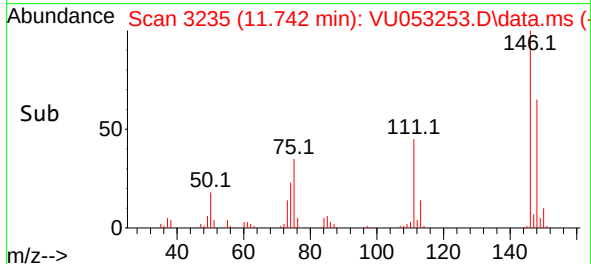
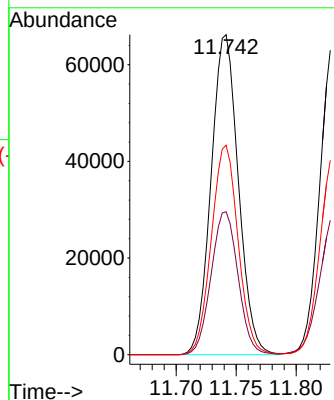
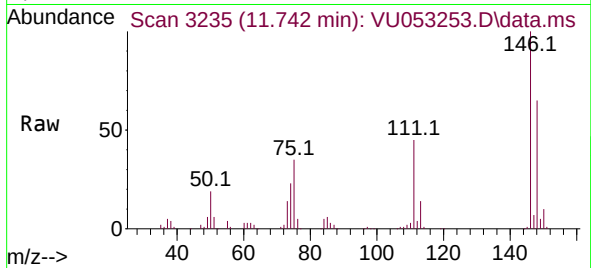




#64
1,3-Dichlorobenzene
Concen: 46.400 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

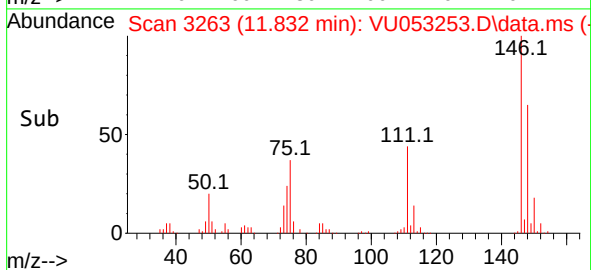
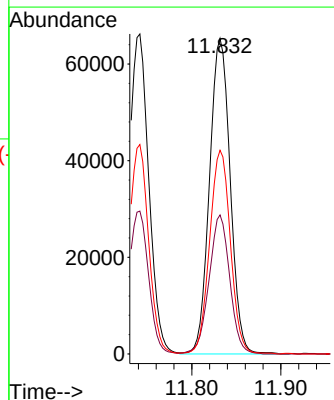
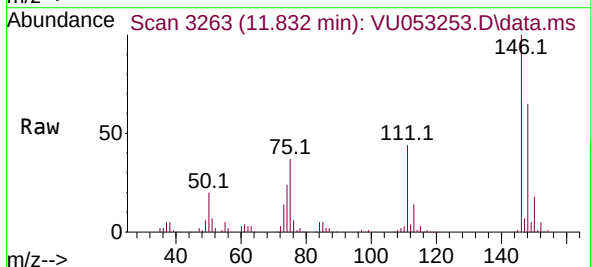
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

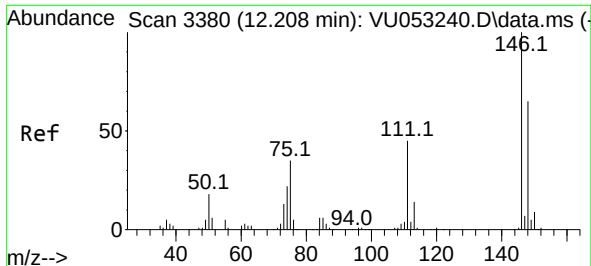
Tgt Ion:146 Resp: 104597
Ion Ratio Lower Upper
146 100
111 44.6 30.2 56.0
148 65.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.576 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:146 Resp: 105404
Ion Ratio Lower Upper
146 100
111 44.1 30.7 57.1
148 64.6 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.936 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

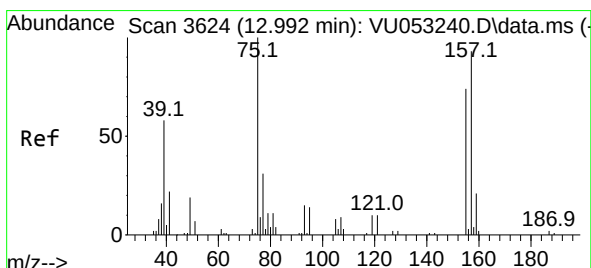
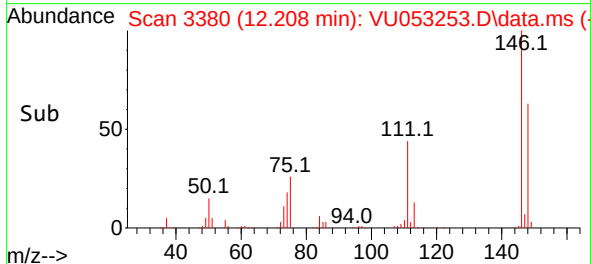
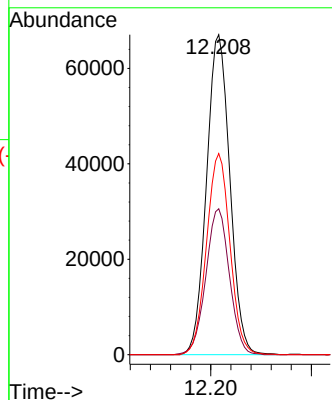
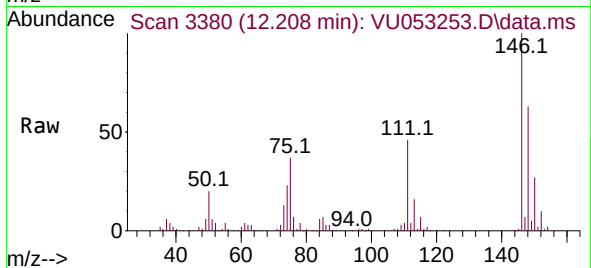
Tgt Ion:146 Resp: 108004

Ion Ratio Lower Upper

146 100

111 45.6 37.0 55.4

148 62.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 54.247 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053253.D

Acq: 17 Mar 2023 02:08

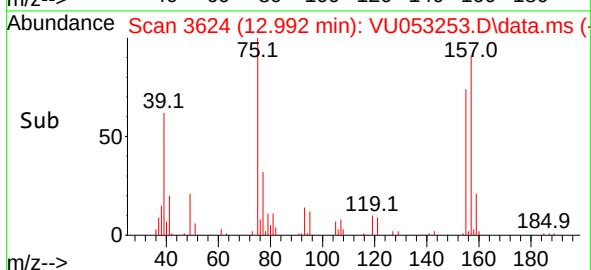
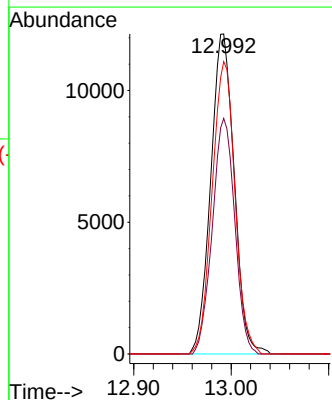
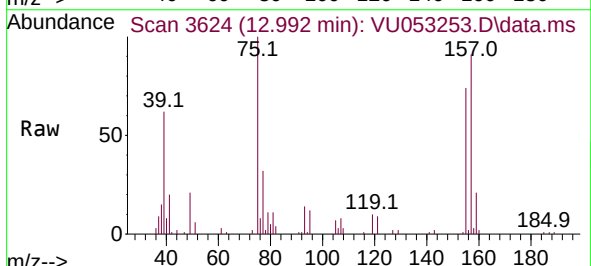
Tgt Ion: 75 Resp: 20278

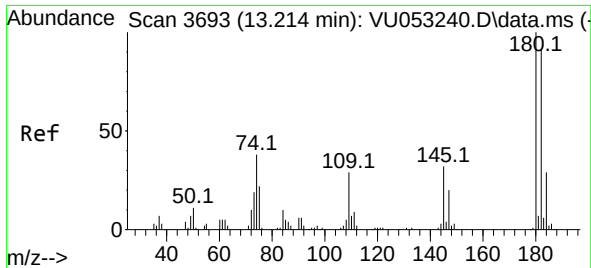
Ion Ratio Lower Upper

75 100

155 73.6 60.2 90.4

157 91.3 73.0 109.4

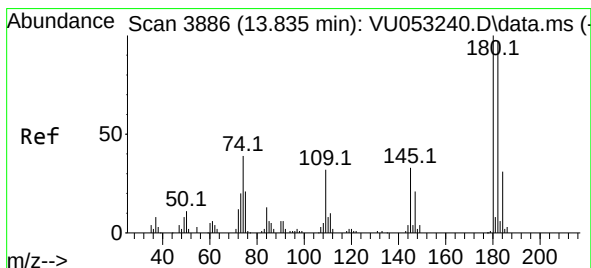
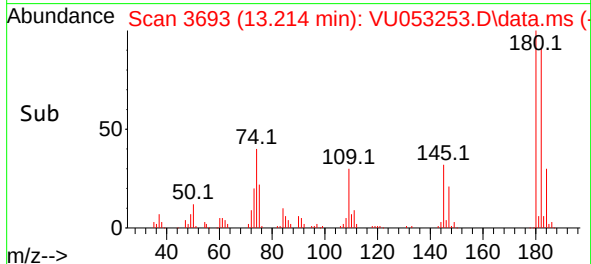
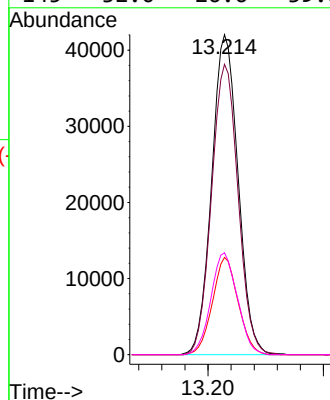
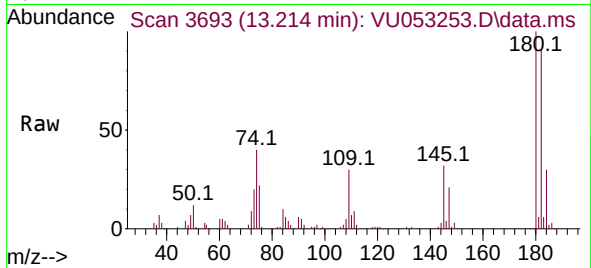




#69
 1,3,5-Trichlorobenzene
 Concen: 46.666 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

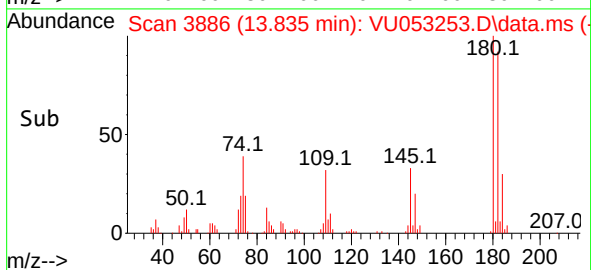
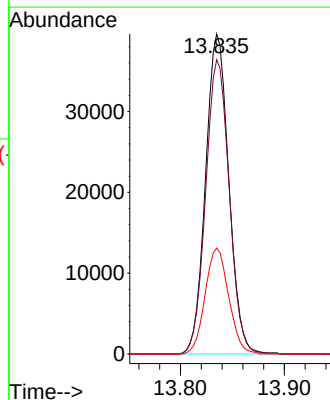
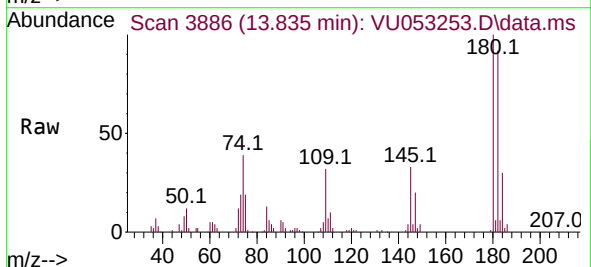
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050163

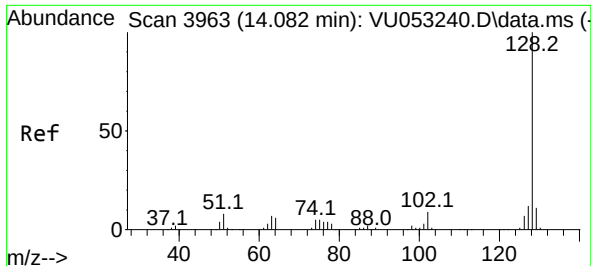
Tgt Ion:180	Resp:	66696
Ion Ratio	Lower	Upper
180	100	
182	91.2	74.5 111.7
184	29.6	23.2 34.8
145	32.0	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 47.872 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053253.D
 Acq: 17 Mar 2023 02:08

Tgt Ion:180	Resp:	61477
Ion Ratio	Lower	Upper
180	100	
182	93.3	75.8 113.8
145	33.5	27.2 40.8

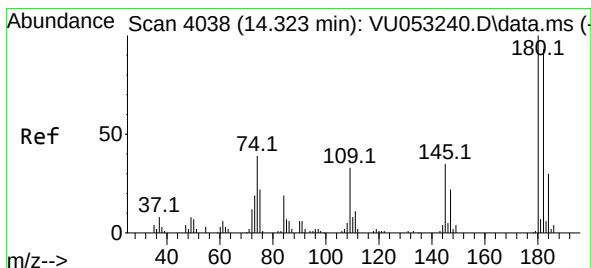
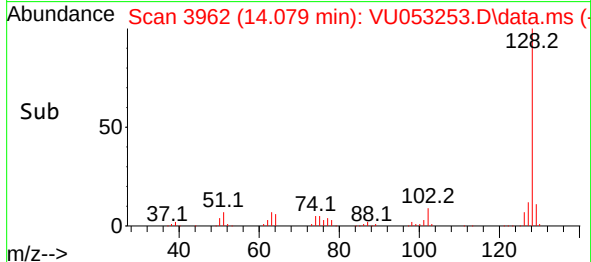
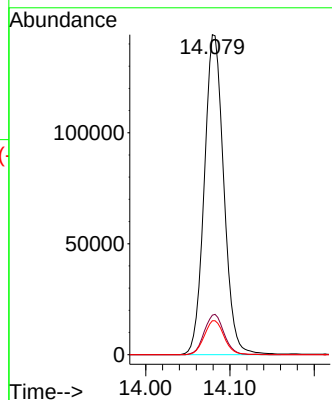
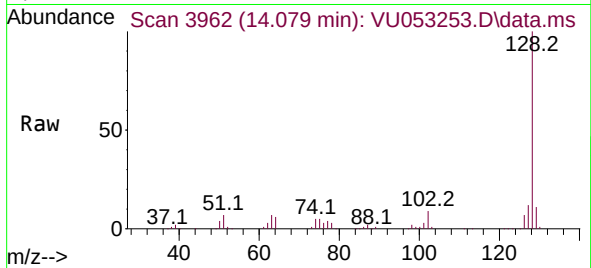




#71
Naphthalene
Concen: 53.698 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Tgt Ion:128 Resp: 232424
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.646 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053253.D
Acq: 17 Mar 2023 02:08

Tgt Ion:180 Resp: 61678
Ion Ratio Lower Upper
180 100
182 94.9 76.7 115.1
145 36.6 28.6 42.8

