

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053255.D
 Acq On : 17 Mar 2023 10:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Mar 18 01:46:13 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	6.244	114	165460	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	152591	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74664	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68198	44.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.360%
7) Chloroethane-d5	1.912	69	58842	47.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.320%
11) 1,1-Dichloroethene-d2	2.565	63	121053	45.779	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.560%
21) 2-Butanone-d5	4.620	46	75076	106.043	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.040%
24) Chloroform-d	5.057	84	120449	47.908	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.820%
26) 1,2-Dichloroethane-d4	5.697	65	76435	48.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
32) Benzene-d6	5.723	84	248930	50.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.684	67	81997	51.332	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.660%
41) Toluene-d8	7.893	98	225271	48.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.780%
43) trans-1,3-Dichloroprop...	8.173	79	39216	49.759	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.520%
47) 2-Hexanone-d5	8.626	63	54332	108.795	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.790%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	105955	51.204	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	73978	51.171	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	73572	42.599	ug/L	100
3) Chloromethane	1.517	50	69766	43.839	ug/L	100
5) Vinyl chloride	1.604	62	77096	44.286	ug/L	99
6) Bromomethane	1.855	94	53909	51.516	ug/L	98
8) Chloroethane	1.932	64	47393	46.088	ug/L	99
9) Trichlorofluoromethane	2.138	101	97132	44.719	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	56792	43.223	ug/L	96
12) 1,1-Dichloroethene	2.578	96	50970	41.946	ug/L	90
13) Acetone	2.626	43	75600	93.758	ug/L	99
14) Carbon disulfide	2.790	76	154229	41.906	ug/L	99
15) Methyl Acetate	2.945	43	52137	47.174	ug/L	97
16) Methylene chloride	3.041	84	60093	40.765	ug/L	93
17) trans-1,2-Dichloroethene	3.350	96	52481	42.567	ug/L	92
18) Methyl tert-butyl Ether	3.359	73	188679	45.511	ug/L	99
19) 1,1-Dichloroethane	3.864	63	113947	45.276	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	62849	43.400	ug/L	92
22) 2-Butanone	4.697	43	87847	95.628	ug/L	99
23) Bromochloromethane	4.970	128	28518	41.302	ug/L	85
25) Chloroform	5.083	83	114284	45.379	ug/L	100

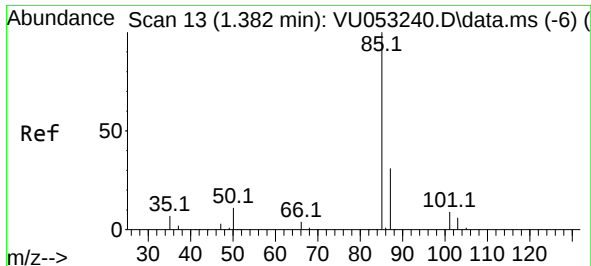
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 04:28:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	92693	46.625	ug/L	98
29) Cyclohexane	5.385	56	105876	46.566	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	94980	45.665	ug/L	98
31) Carbon tetrachloride	5.520	117	76370	44.818	ug/L	99
33) Benzene	5.771	78	252519	47.733	ug/L	100
34) Trichloroethene	6.539	95	62891	45.594	ug/L	98
35) Methylcyclohexane	6.758	83	114479	47.347	ug/L	98
37) 1,2-Dichloropropane	6.787	63	71608	48.517	ug/L	100
38) Bromodichloromethane	7.102	83	86492	47.089	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	116377	47.993	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	149119	98.296	ug/L	100
42) Toluene	7.964	91	264951	46.586	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	106177	47.901	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	62199	46.281	ug/L	99
46) Tetrachloroethene	8.549	164	40531	45.164	ug/L	97
48) 2-Hexanone	8.677	43	126472	99.556	ug/L	100
49) Dibromochloromethane	8.806	129	60359	43.905	ug/L	97
50) 1,2-Dibromoethane	8.919	107	65872	45.999	ug/L	99
51) Chlorobenzene	9.443	112	161811	45.649	ug/L	98
52) Ethylbenzene	9.565	91	303119	46.998	ug/L	98
53) m,p-Xylene	9.690	106	112678	46.808	ug/L	99
54) o-Xylene	10.095	106	110747	46.516	ug/L	100
55) Styrene	10.111	104	185614	46.777	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	105552	47.904	ug/L	98
59) Bromoform	10.288	173	40011	47.090	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	79154	53.351	ug/L	98
61) Isopropylbenzene	10.481	105	299605	50.787	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	244894	50.151	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	235188	49.411	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	120178	48.574	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	120282	48.427	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	118263	47.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	21980	53.575	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	76465	48.747	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	69873	49.575	ug/L	99
71) Naphthalene	14.082	128	245862	51.755	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	69814	52.232	ug/L	98

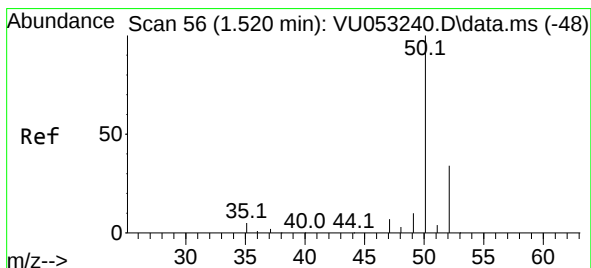
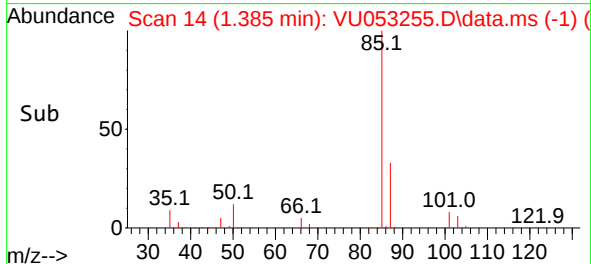
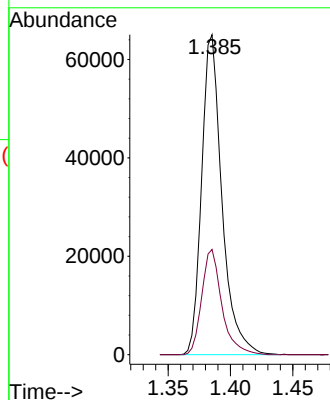
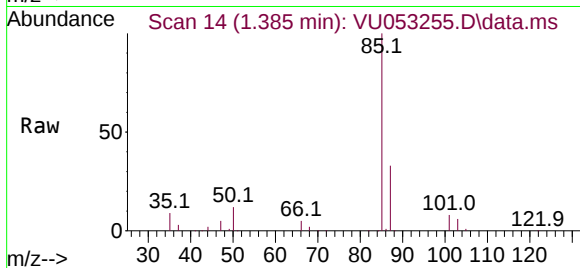
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#2
Dichlorodifluoromethane
Concen: 42.599 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

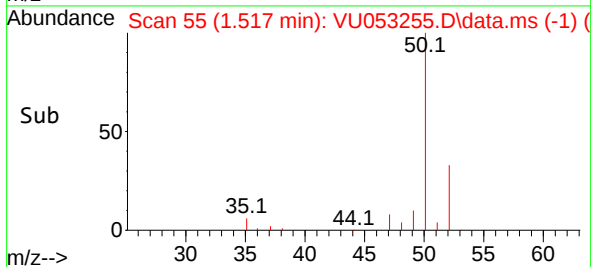
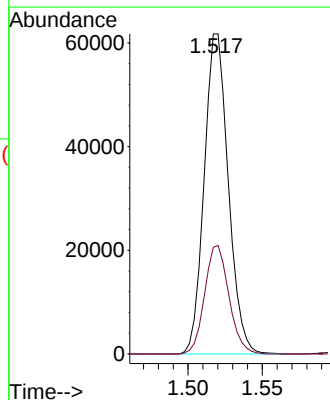
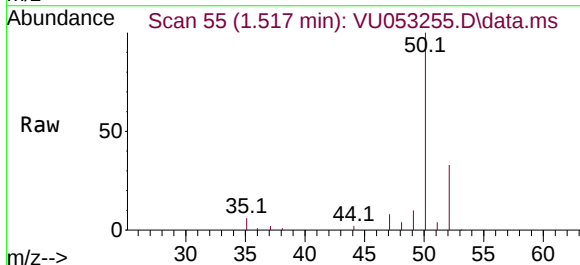
Instrument :
MSVOA_U
ClientSampleId :
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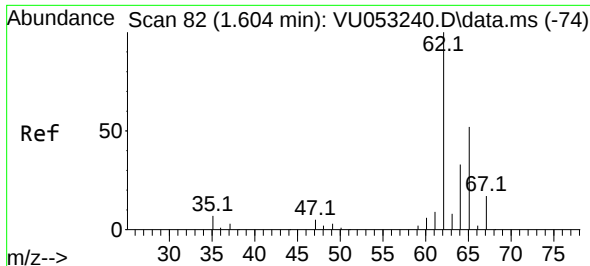
Tgt Ion: 85 Resp: 73572
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8



#3
Chloromethane
Concen: 43.839 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 50 Resp: 69766
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4

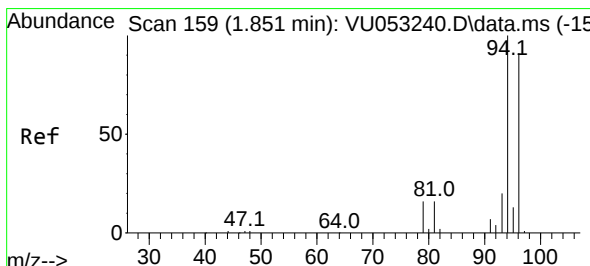
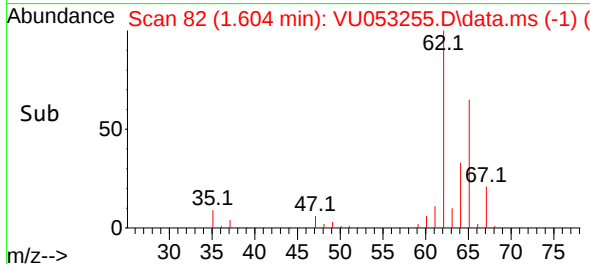
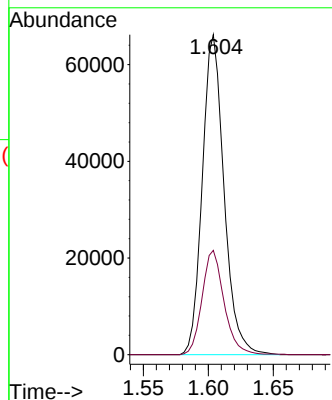
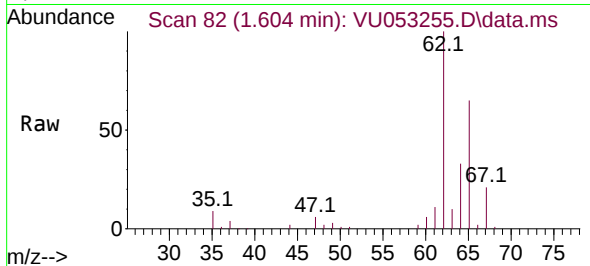




#5
 Vinyl chloride
 Concen: 44.286 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

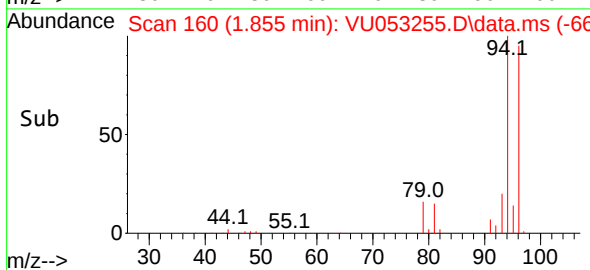
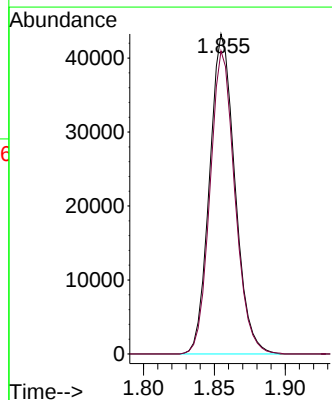
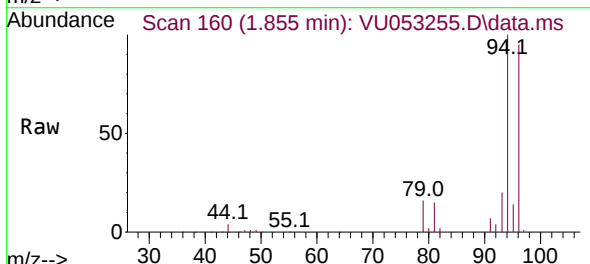
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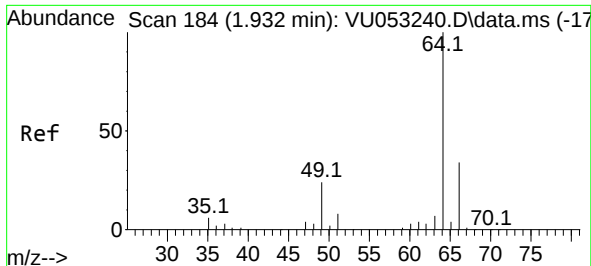
Tgt Ion: 62 Resp: 77096
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.2 43.0



#6
 Bromomethane
 Concen: 51.516 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

Tgt Ion: 94 Resp: 53909
 Ion Ratio Lower Upper
 94 100
 96 94.7 67.5 125.3

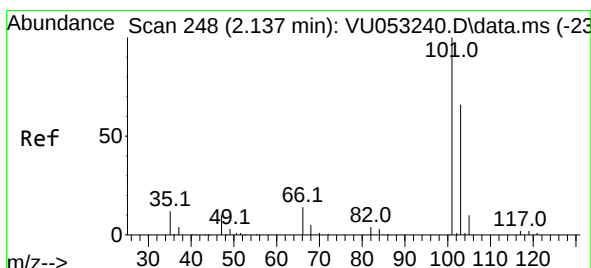
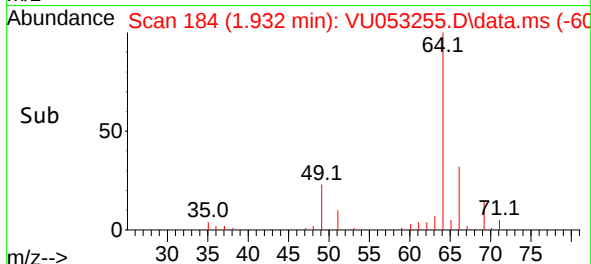
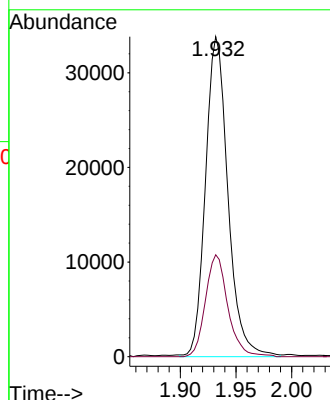
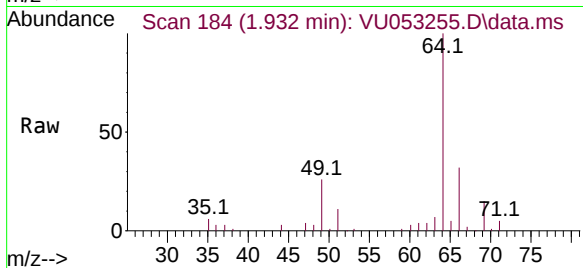




#8
Chloroethane
Concen: 46.088 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

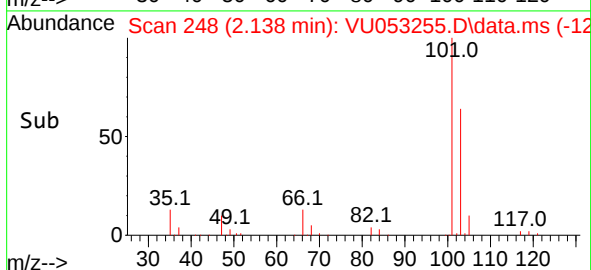
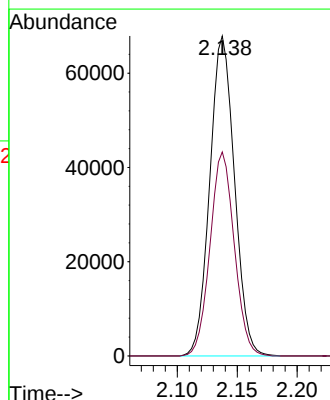
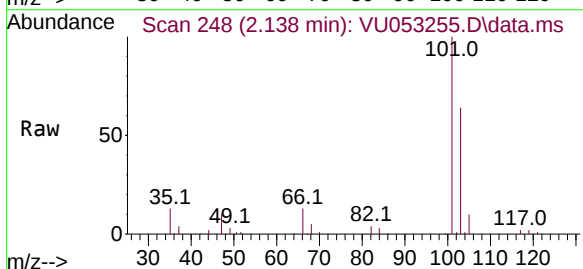
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ClientSampleId :
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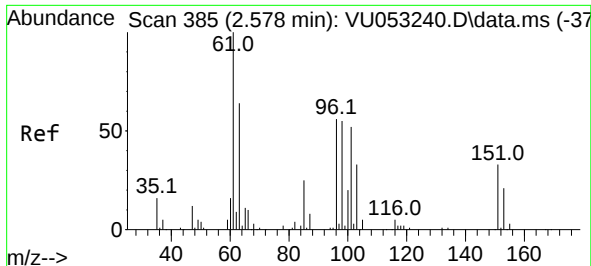
Tgt Ion: 64 Resp: 47393
Ion Ratio Lower Upper
64 100
66 31.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.719 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion:101 Resp: 97132
Ion Ratio Lower Upper
101 100
103 62.5 52.0 78.0

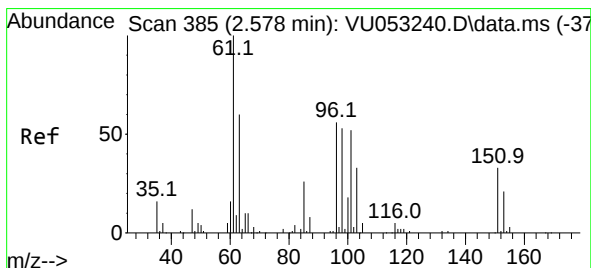
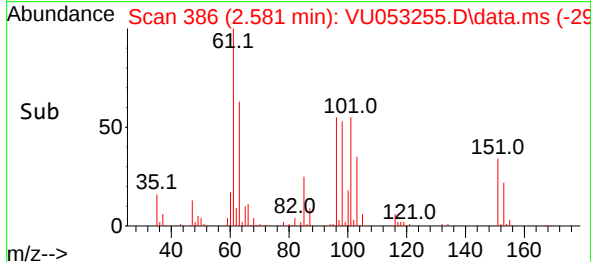
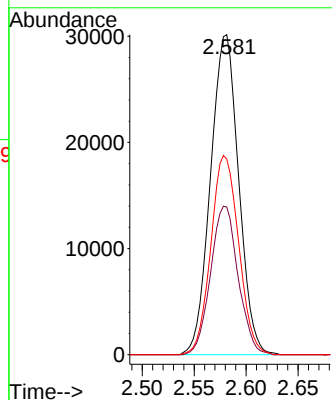
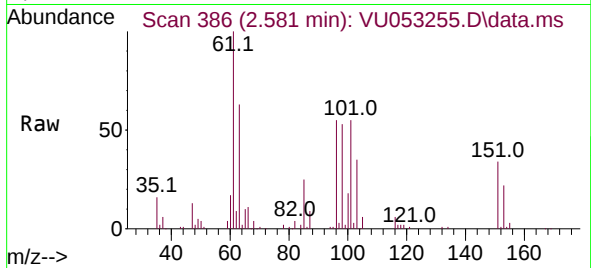




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.223 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

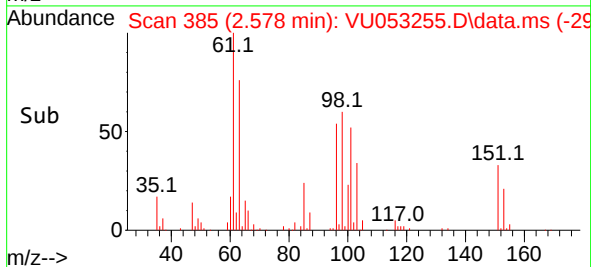
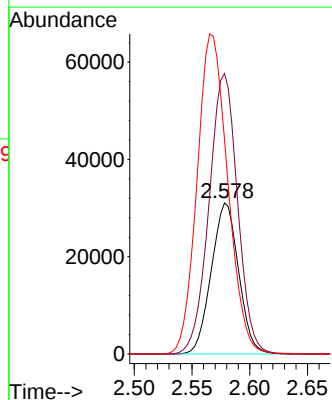
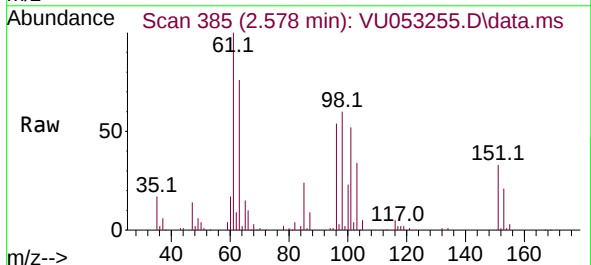
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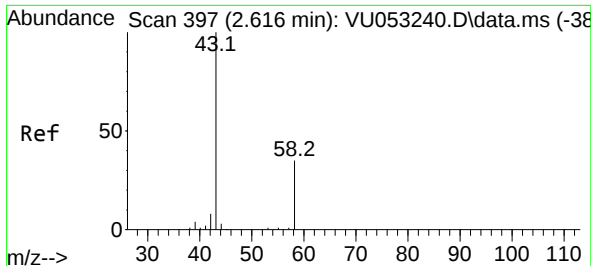
Tgt Ion:101 Resp: 56792
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.0 55.6
 151 61.5 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 41.946 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

Tgt Ion: 96 Resp: 50970
 Ion Ratio Lower Upper
 96 100
 61 185.7 122.2 226.9
 63 141.8 89.9 166.9





#13

Acetone

Concen: 93.758 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.010 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

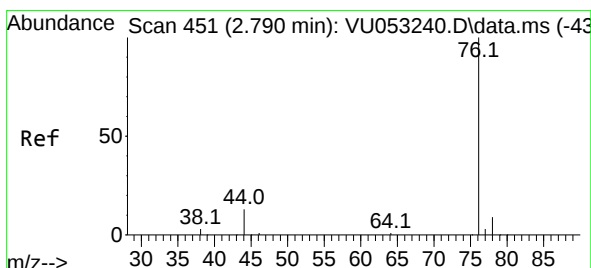
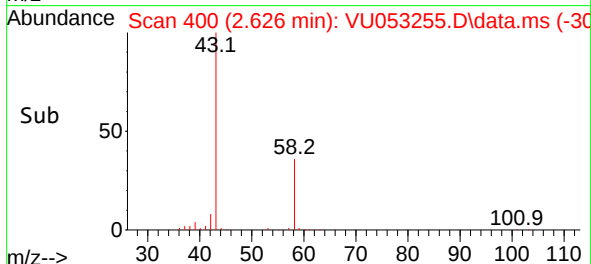
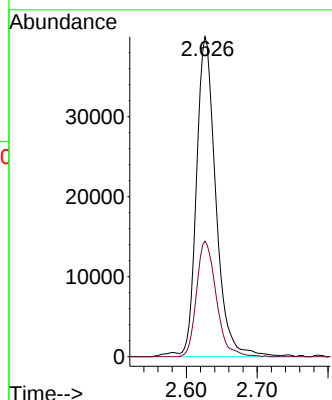
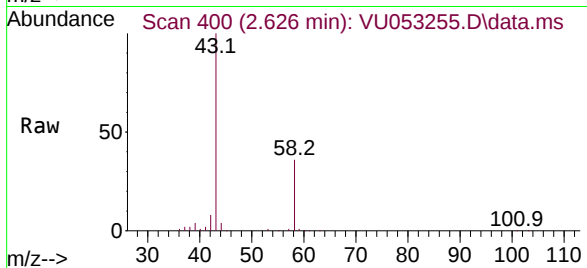
VSTD050164

Tgt Ion: 43 Resp: 75600

Ion Ratio Lower Upper

43 100

58 36.8 0.0 75.0



#14

Carbon disulfide

Concen: 41.906 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053255.D

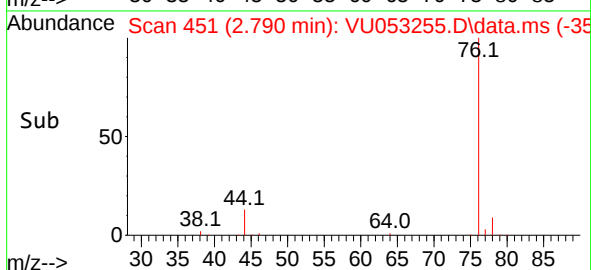
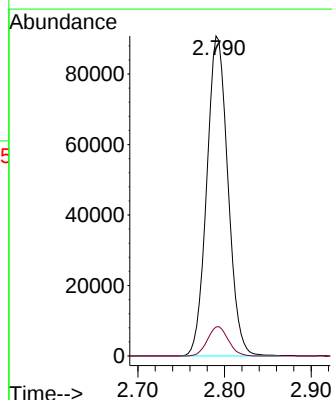
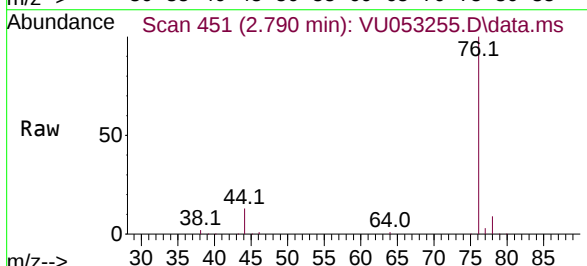
Acq: 17 Mar 2023 10:03

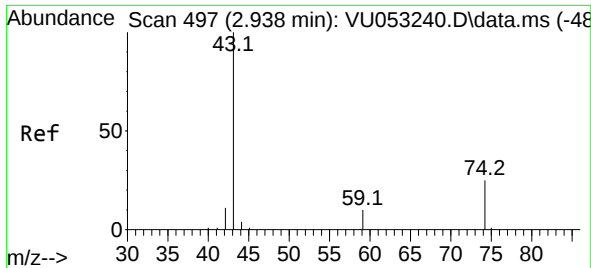
Tgt Ion: 76 Resp: 154229

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

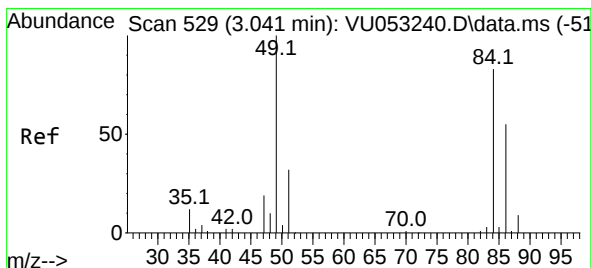
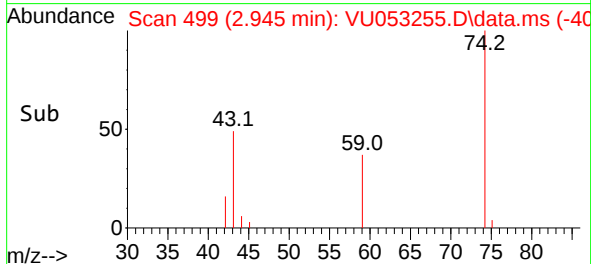
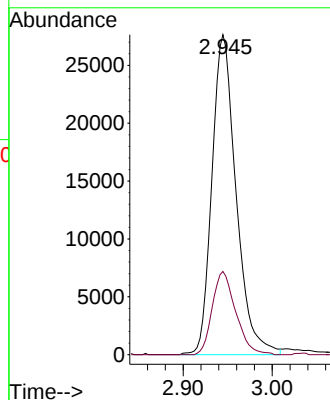
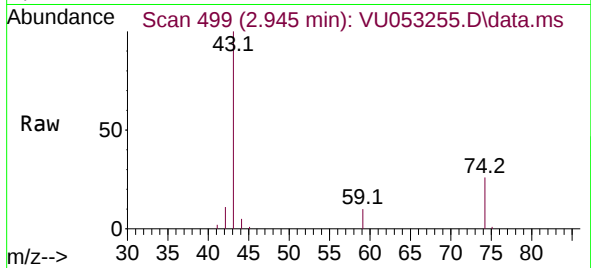




#15
Methyl Acetate
Concen: 47.174 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.007 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

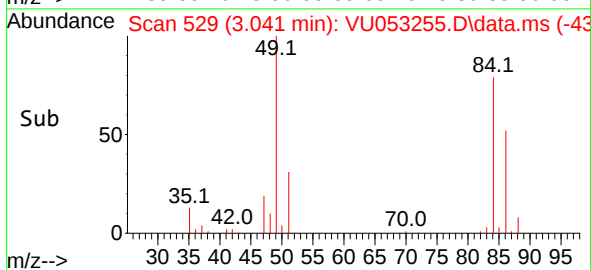
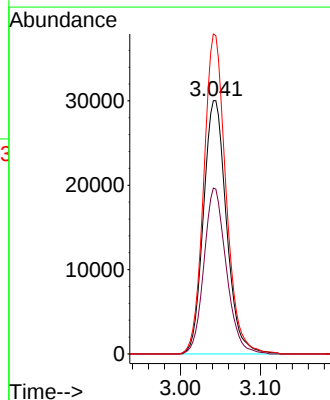
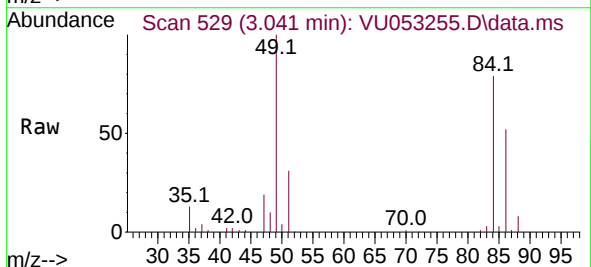
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

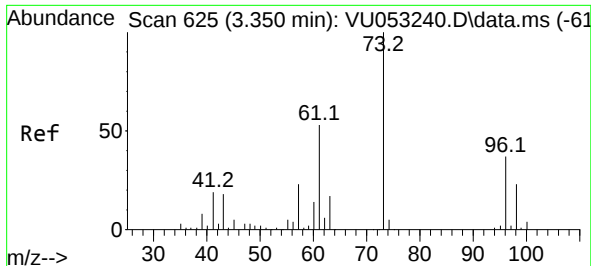
Tgt Ion: 43 Resp: 52137
Ion Ratio Lower Upper
43 100
74 25.2 21.4 32.0



#16
Methylene chloride
Concen: 40.765 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 84 Resp: 60093
Ion Ratio Lower Upper
84 100
86 65.5 44.4 82.4
49 126.4 81.6 151.6

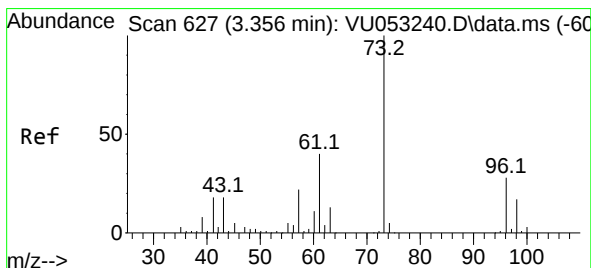
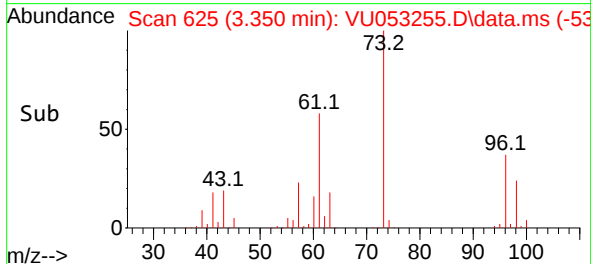
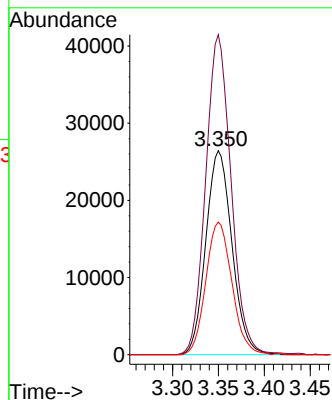
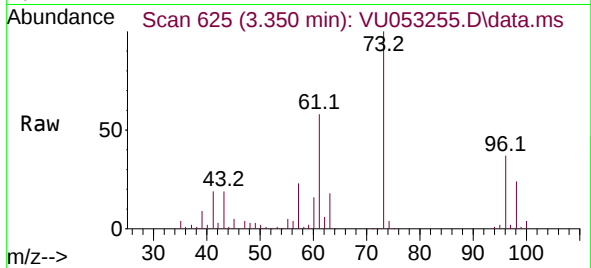




#17
trans-1,2-Dichloroethene
Concen: 42.567 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

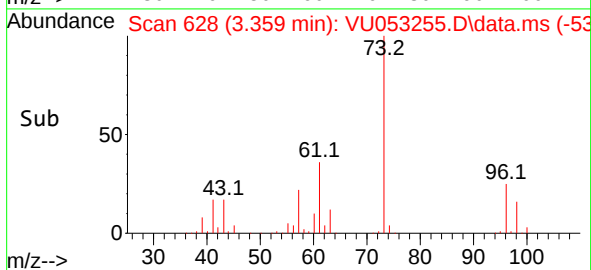
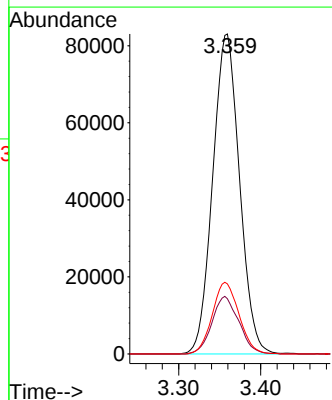
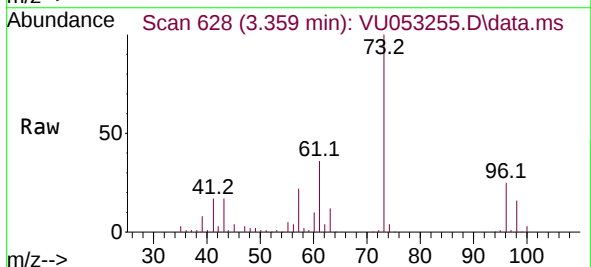
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

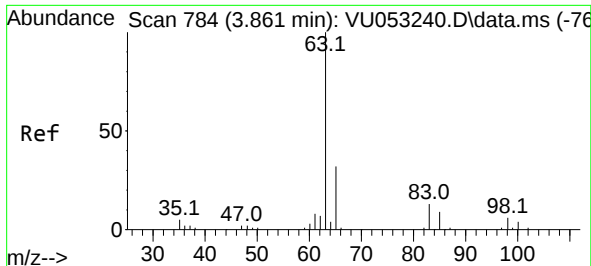
Tgt Ion: 96 Resp: 52481
Ion Ratio Lower Upper
96 100
61 156.9 99.6 185.0
98 65.1 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 45.511 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 73 Resp: 188679
Ion Ratio Lower Upper
73 100
43 18.0 14.2 21.2
57 22.3 18.0 27.0





#19

1,1-Dichloroethane

Concen: 45.276 ug/L

RT: 3.864 min Scan# 784

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

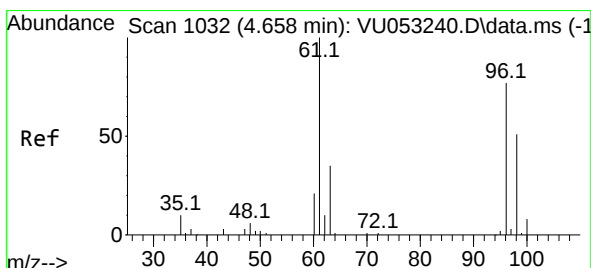
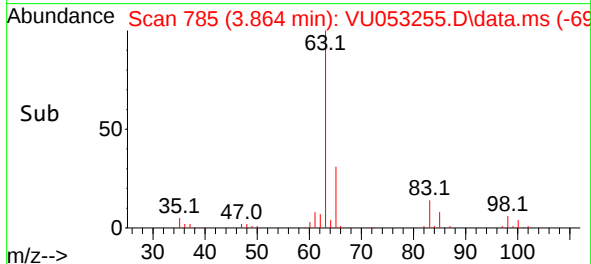
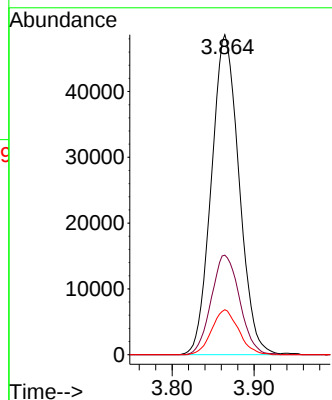
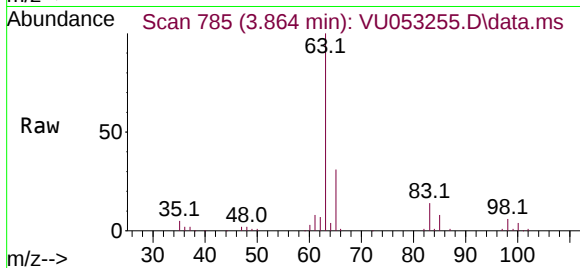
Tgt Ion: 63 Resp: 113947

Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 14.1 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 43.400 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

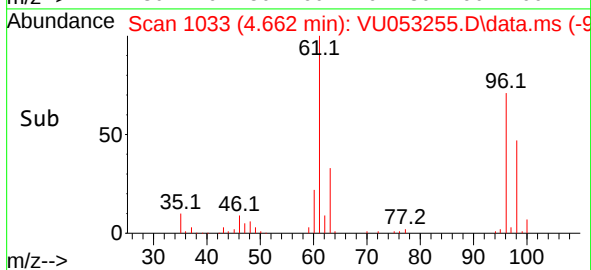
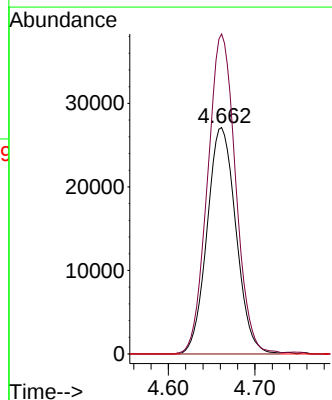
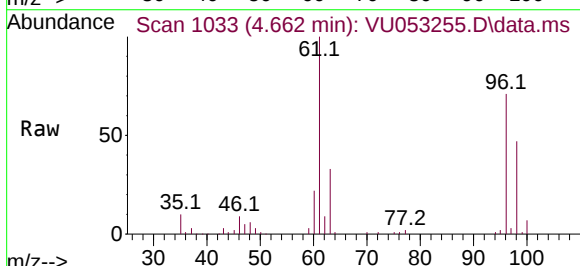
Tgt Ion: 96 Resp: 62849

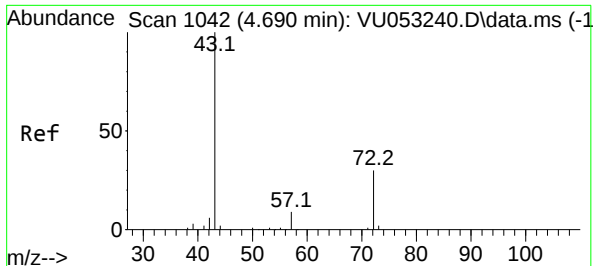
Ion Ratio Lower Upper

96 100

61 141.4 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.628 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.007 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

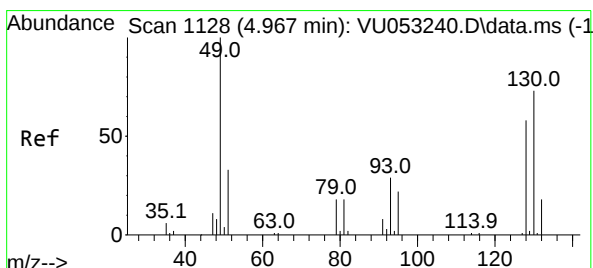
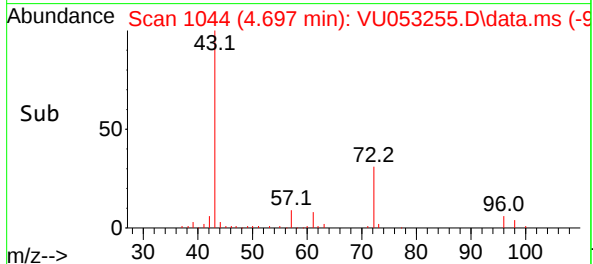
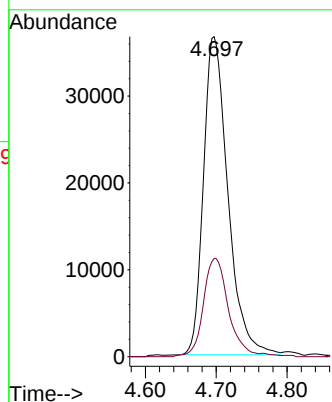
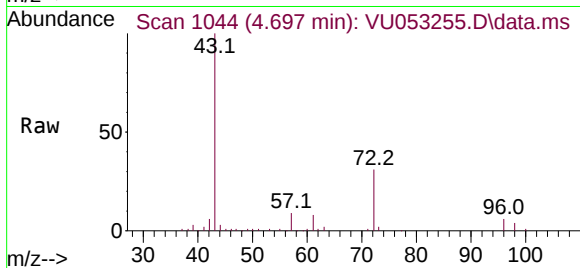
VSTD050164

Tgt Ion: 43 Resp: 87847

Ion Ratio Lower Upper

43 100

72 31.4 16.0 47.9



#23

Bromochloromethane

Concen: 41.302 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Tgt Ion:128 Resp: 28518

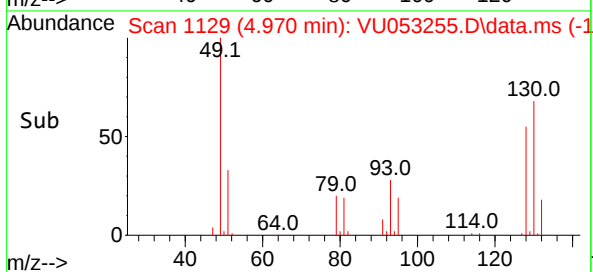
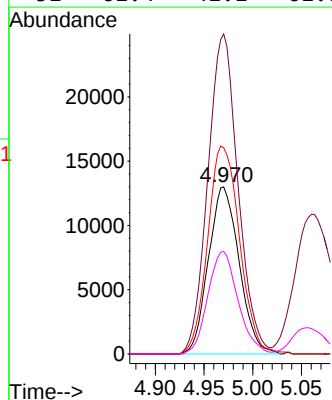
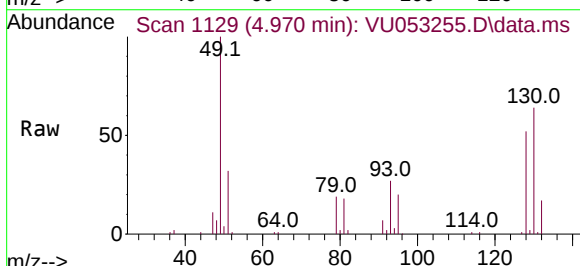
Ion Ratio Lower Upper

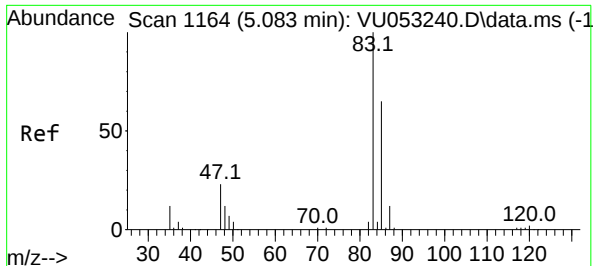
128 100

49 191.6 109.9 204.1

130 123.5 87.2 161.9

51 61.4 41.1 61.7





#25

Chloroform

Concen: 45.379 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

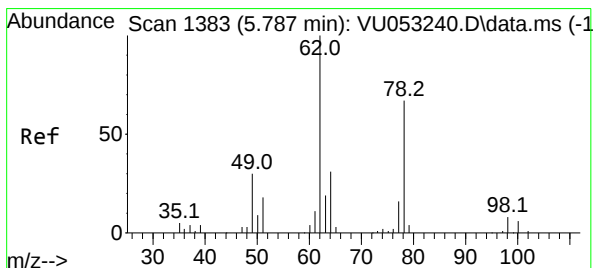
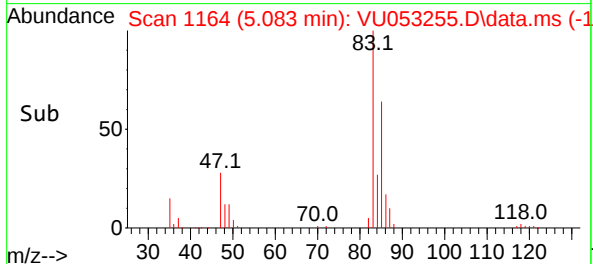
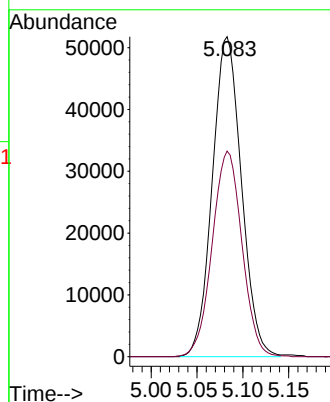
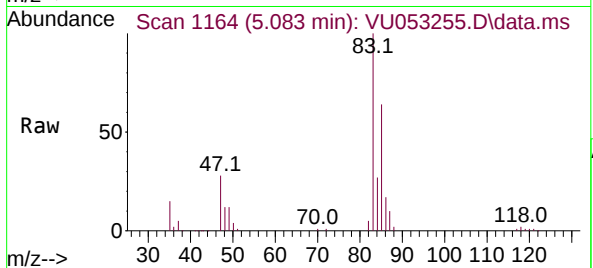
VSTD050164

Tgt Ion: 83 Resp: 114284

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 46.625 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053255.D

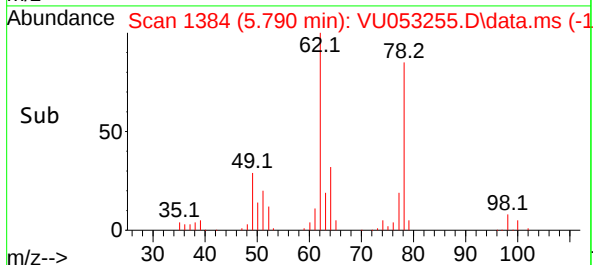
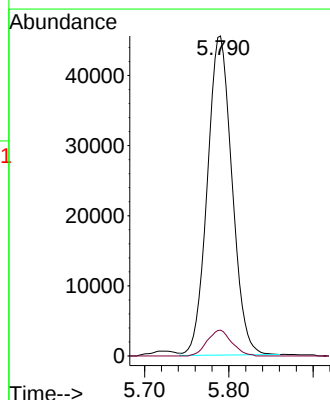
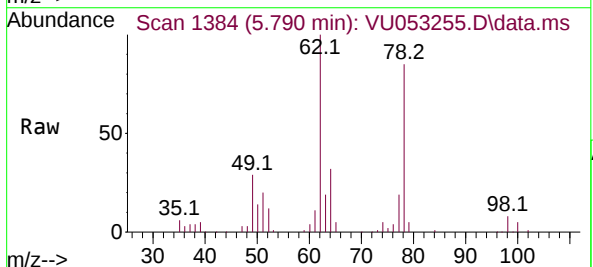
Acq: 17 Mar 2023 10:03

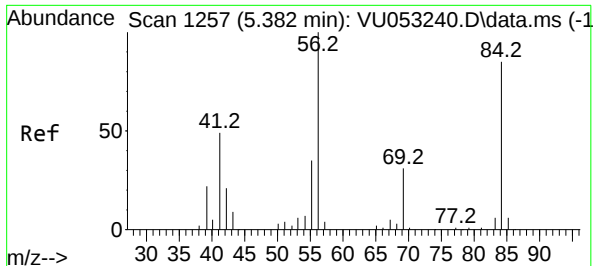
Tgt Ion: 62 Resp: 92693

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.6





#29

Cyclohexane

Concen: 46.566 ug/L

RT: 5.385 min Scan# 1257

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

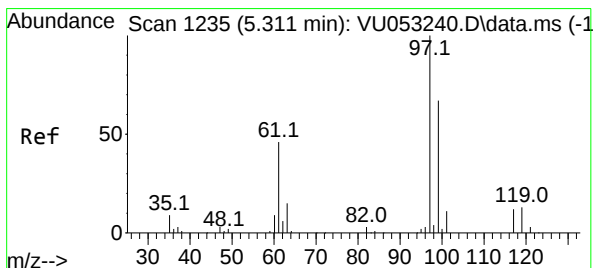
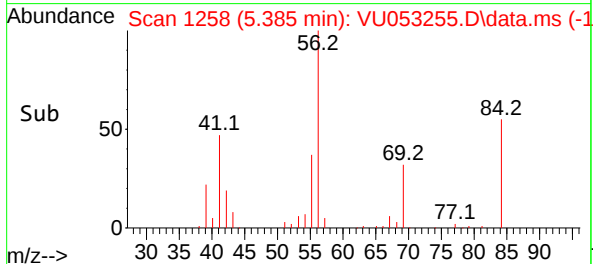
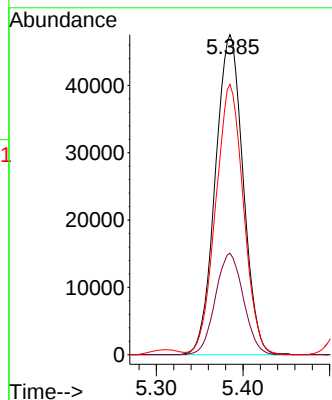
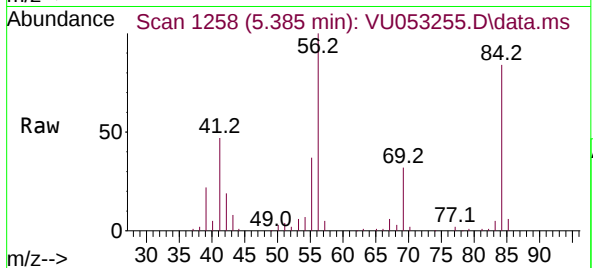
Tgt Ion: 56 Resp: 105876

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.0

84 84.8 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 45.665 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

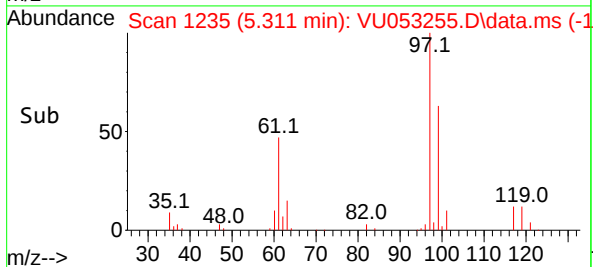
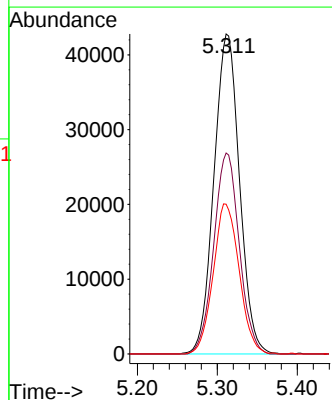
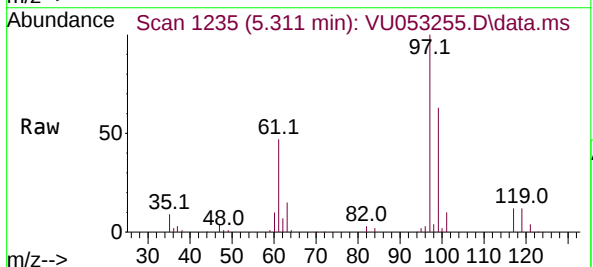
Tgt Ion: 97 Resp: 94980

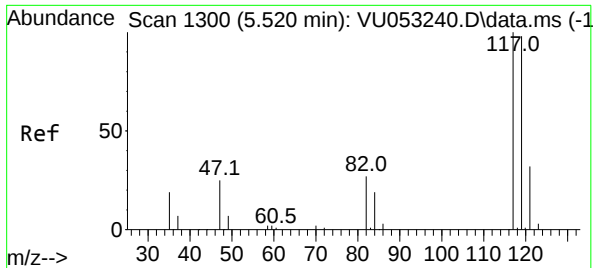
Ion Ratio Lower Upper

97 100

99 62.6 50.6 76.0

61 47.7 36.0 54.0

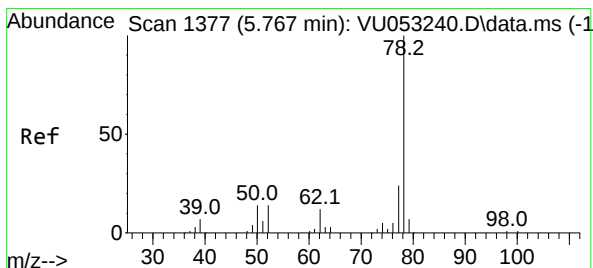
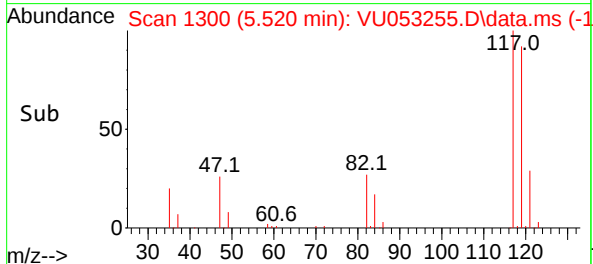
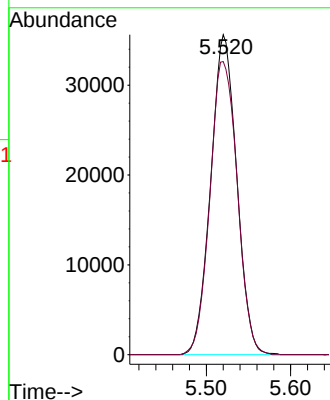
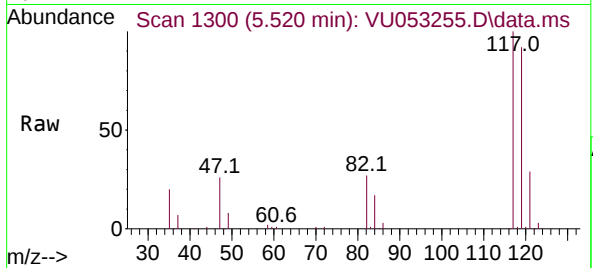




#31
Carbon tetrachloride
Concen: 44.818 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

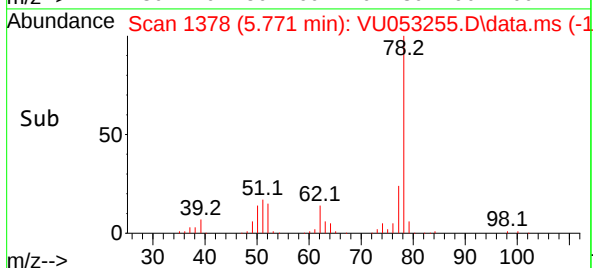
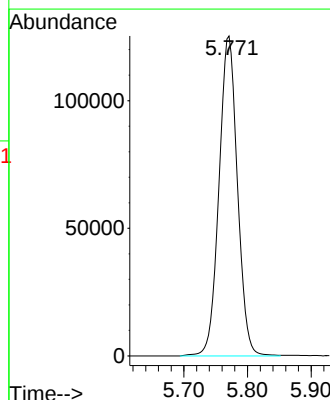
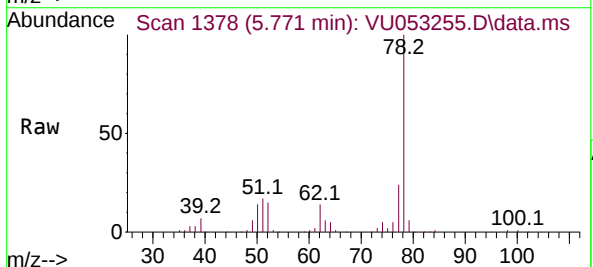
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

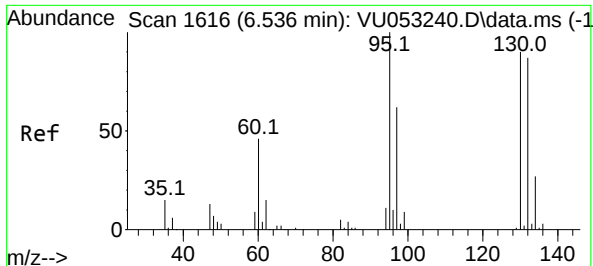
Tgt Ion:117 Resp: 76370
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2



#33
Benzene
Concen: 47.733 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 78 Resp: 252519



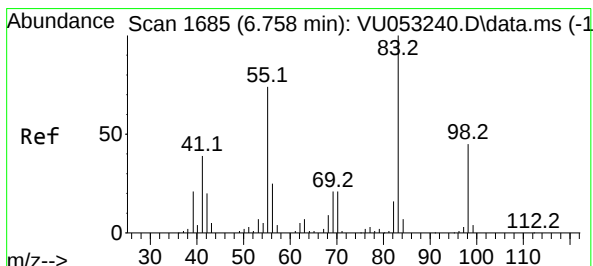
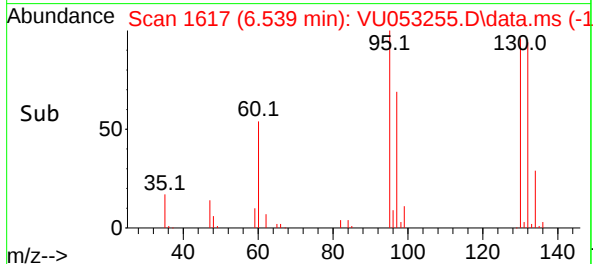
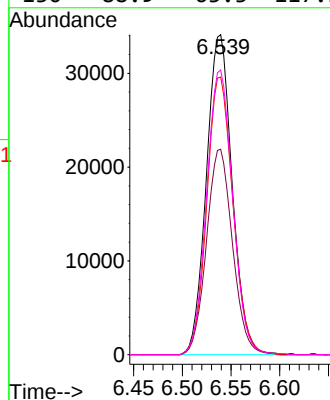
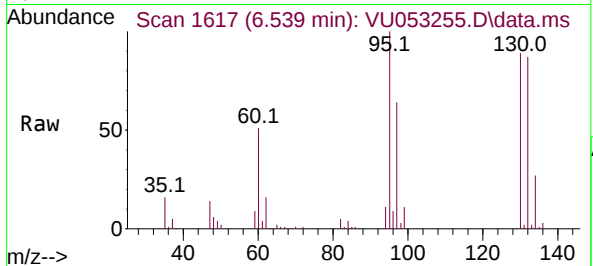


#34
Trichloroethene
Concen: 45.594 ug/L
RT: 6.539 min Scan# 1616
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

Tgt Ion: 95 Resp: 62891

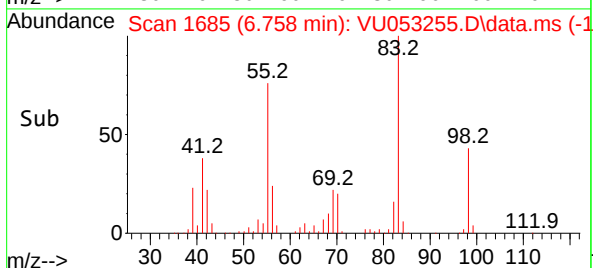
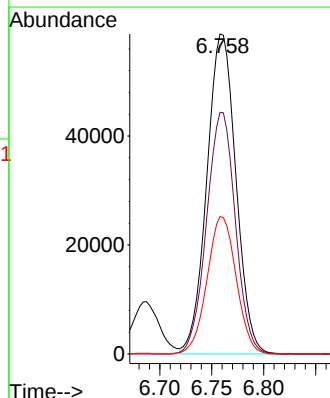
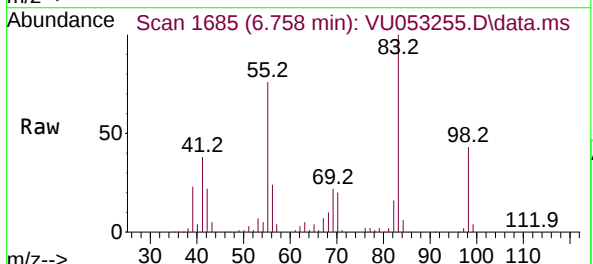
Ion	Ratio	Lower	Upper
95	100		
97	64.2	43.8	81.3
132	86.7	61.5	114.3
130	88.9	63.3	117.5

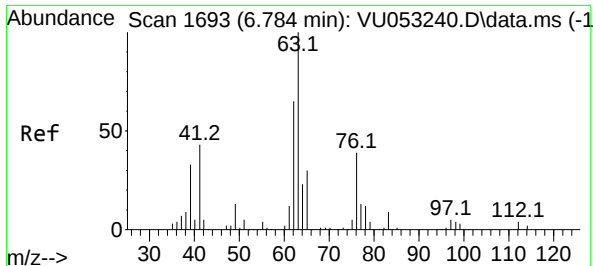


#35
Methylcyclohexane
Concen: 47.347 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 83 Resp: 114479

Ion	Ratio	Lower	Upper
83	100		
55	74.7	58.2	87.4
98	43.0	35.4	53.2





#37

1,2-Dichloropropane

Concen: 48.517 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

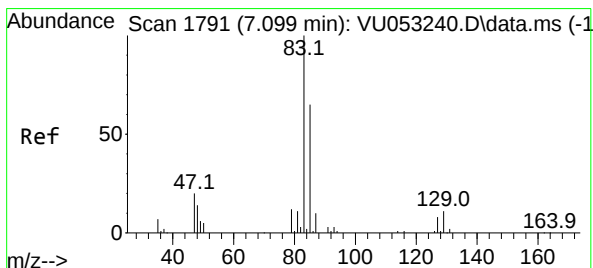
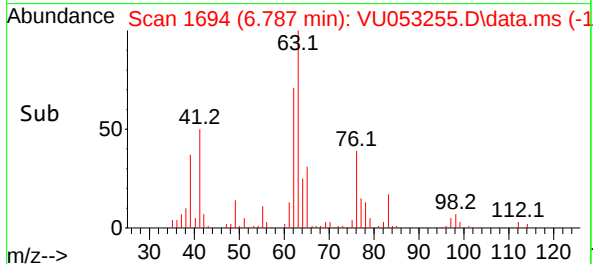
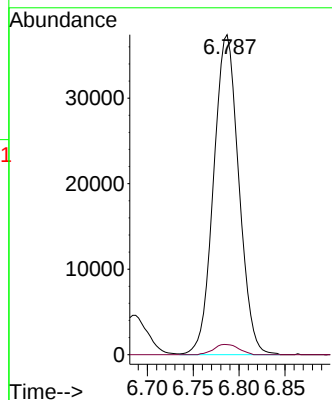
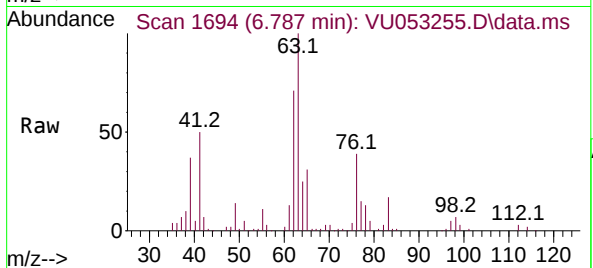
VSTD050164

Tgt Ion: 63 Resp: 71608

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 47.089 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

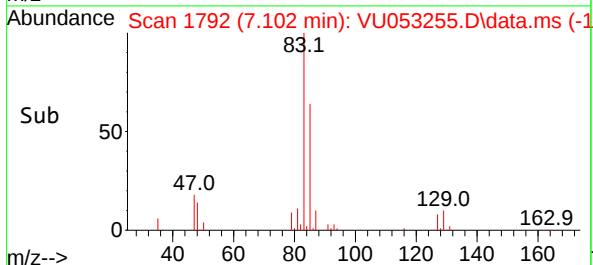
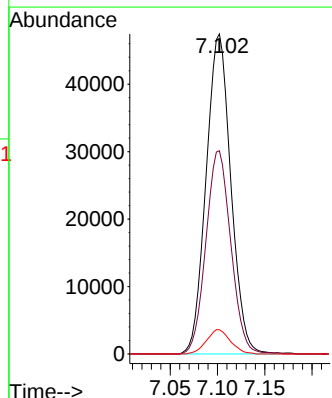
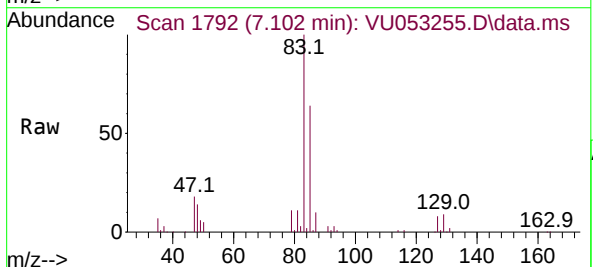
Tgt Ion: 83 Resp: 86492

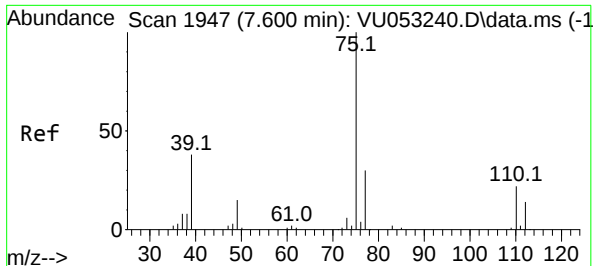
Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.2

127 7.6 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 47.993 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

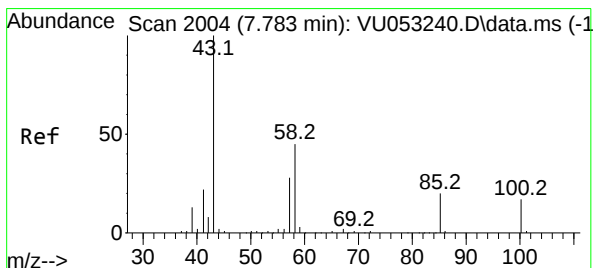
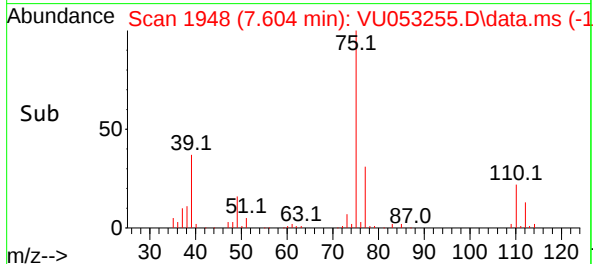
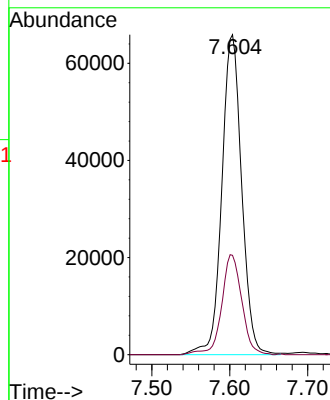
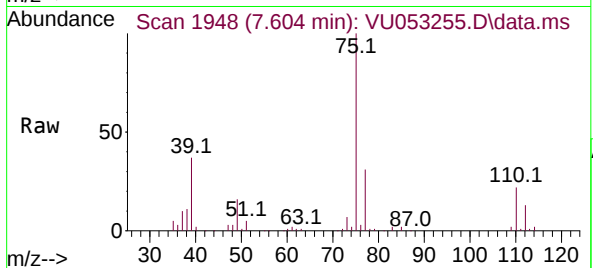
VSTD050164

Tgt Ion: 75 Resp: 116377

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 98.296 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

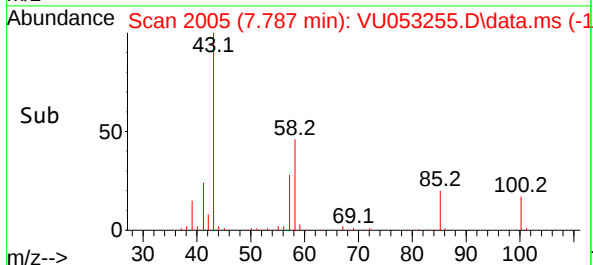
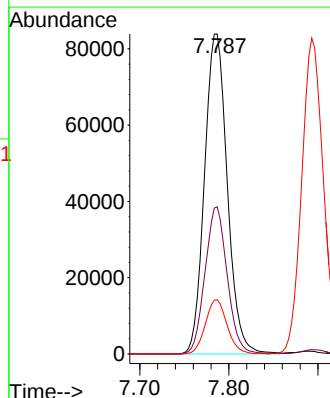
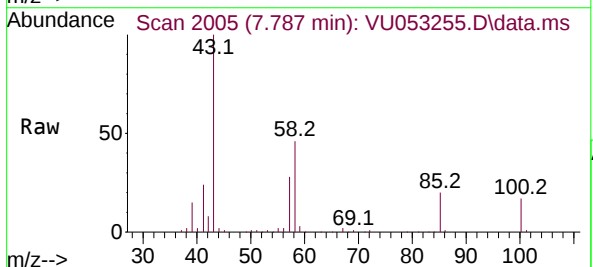
Tgt Ion: 43 Resp: 149119

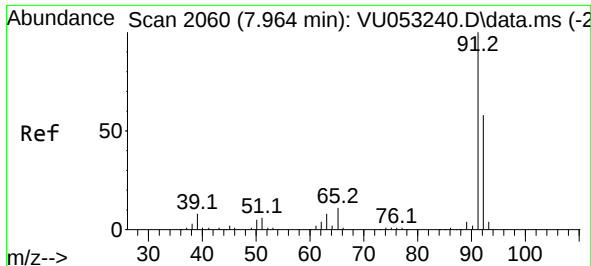
Ion Ratio Lower Upper

43 100

58 44.8 35.8 53.6

100 16.1 13.0 19.6





#42

Toluene

Concen: 46.586 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

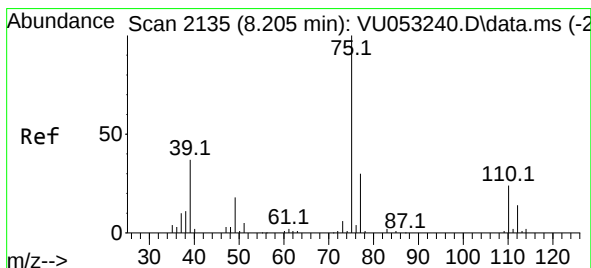
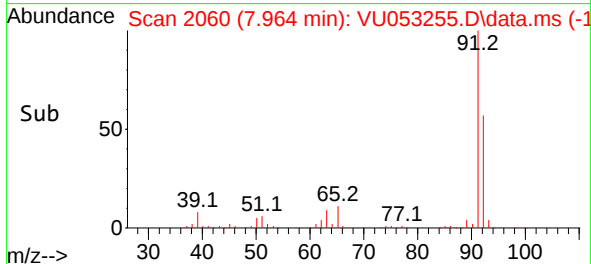
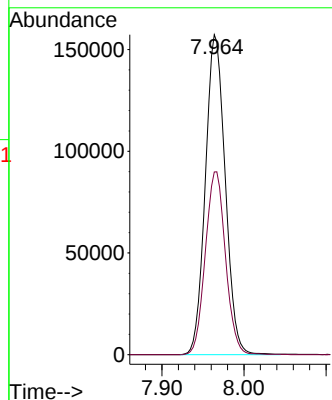
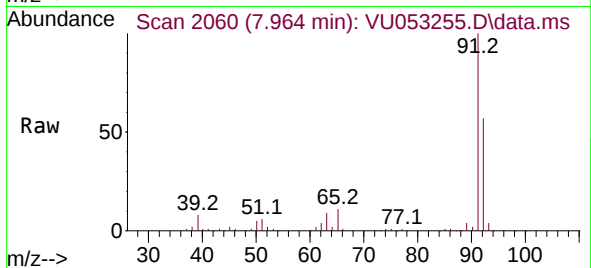
VSTD050164

Tgt Ion: 91 Resp: 264951

Ion Ratio Lower Upper

91 100

92 57.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.901 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053255.D

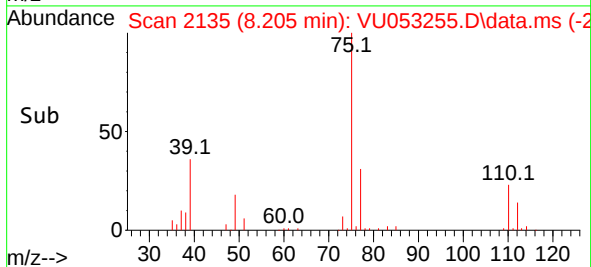
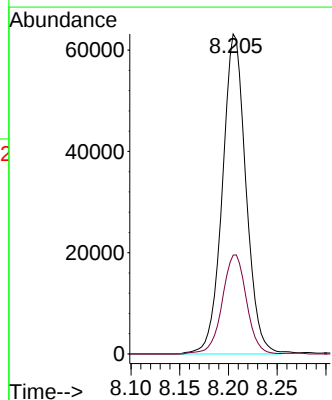
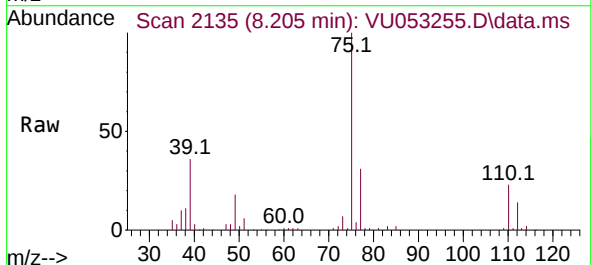
Acq: 17 Mar 2023 10:03

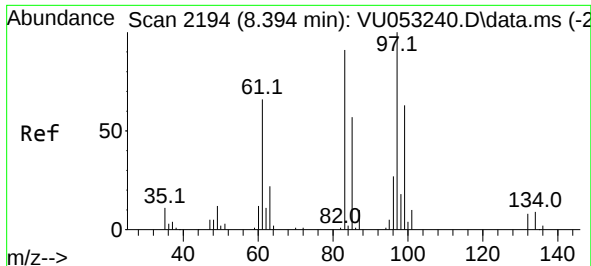
Tgt Ion: 75 Resp: 106177

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



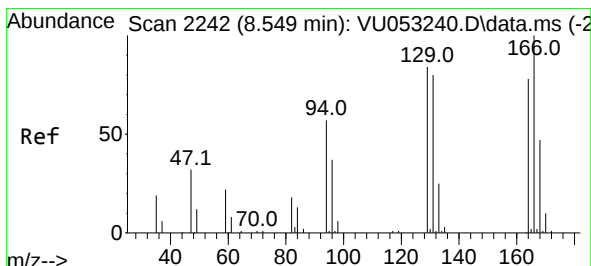
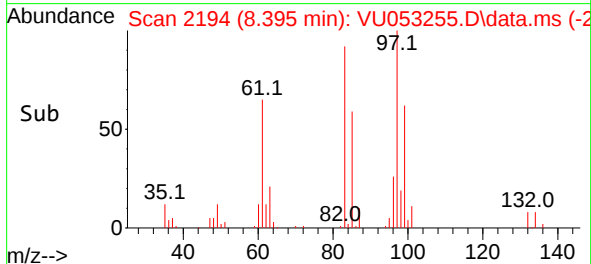
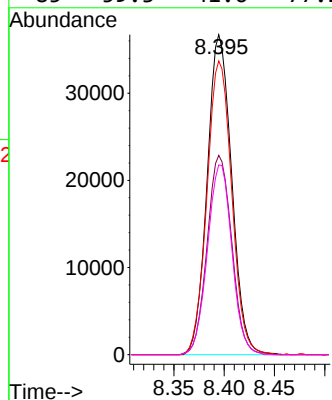
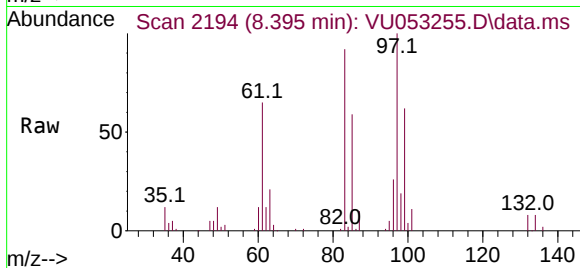


#45
1,1,2-Trichloroethane
Concen: 46.281 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

Tgt Ion: 97 Resp: 62199

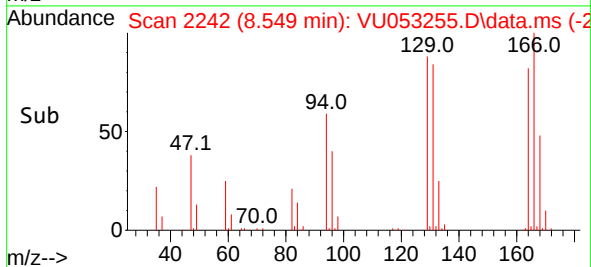
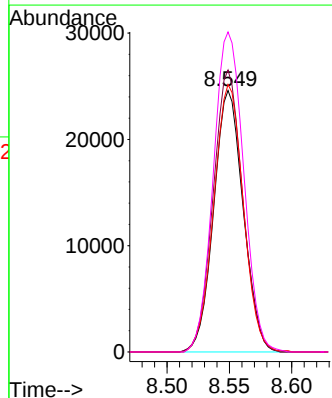
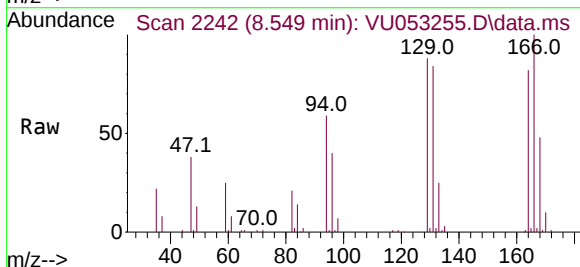
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.4	82.4
83	91.8	63.8	118.6
85	59.3	41.6	77.2

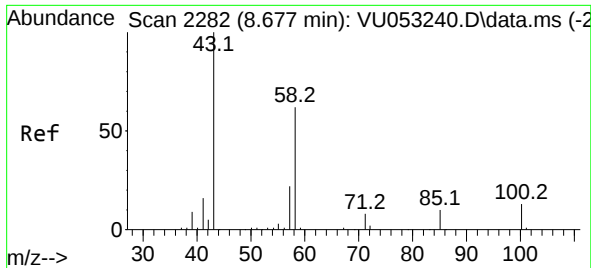


#46
Tetrachloroethene
Concen: 45.164 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 164 Resp: 40531

Ion	Ratio	Lower	Upper
164	100		
129	107.8	73.6	136.8
131	102.3	70.3	130.7
166	122.4	88.9	165.1

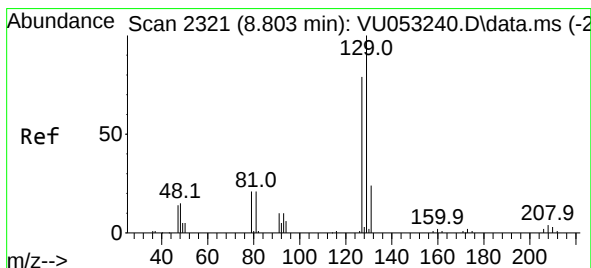
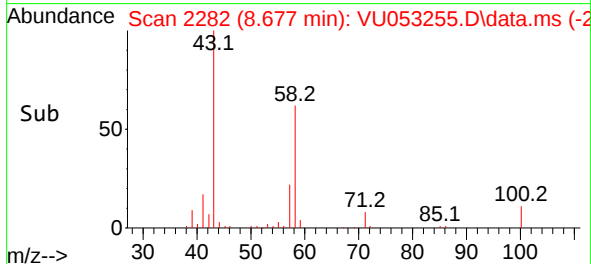
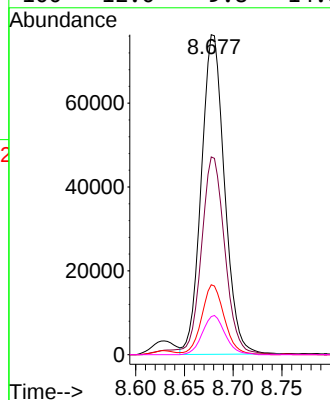
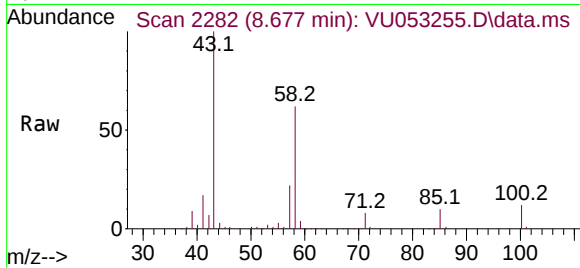




#48
2-Hexanone
Concen: 99.556 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

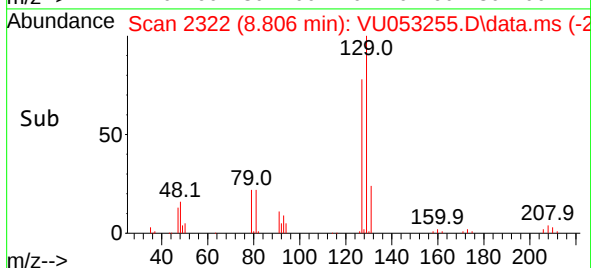
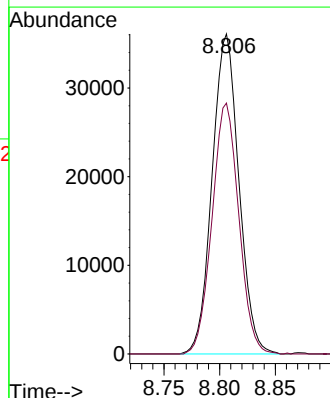
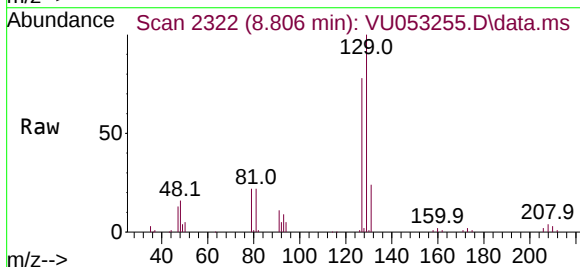
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

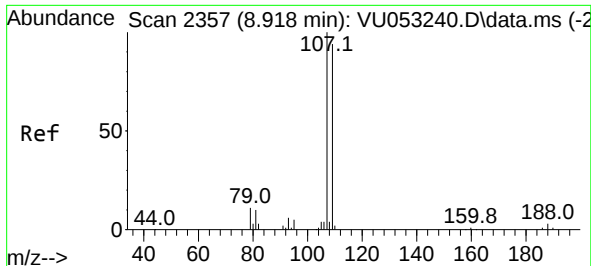
Tgt Ion:	43	Resp:	126472
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	21.5	16.9	25.3
100	12.0	9.8	14.8



#49
Dibromochloromethane
Concen: 43.905 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion:	129	Resp:	60359
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.1	98.5





#50

1,2-Dibromoethane

Concen: 45.999 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

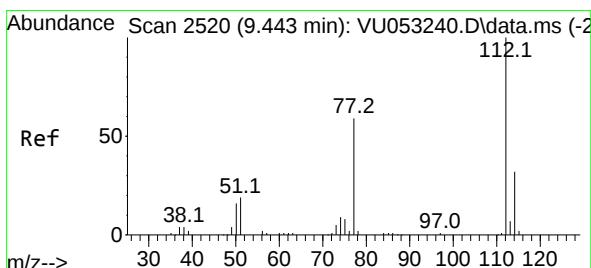
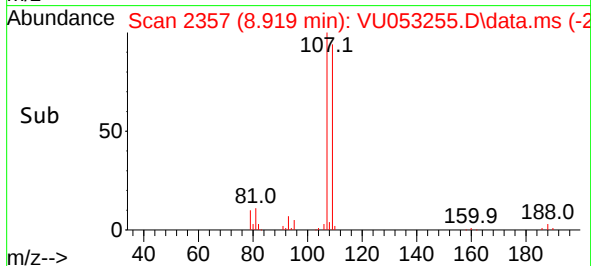
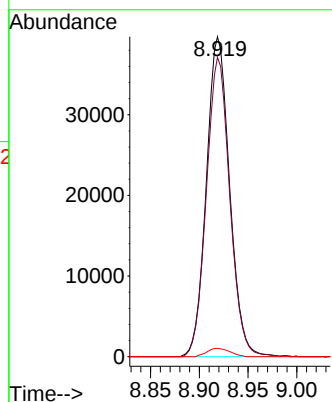
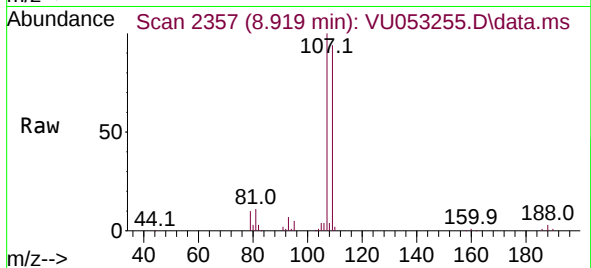
Tgt Ion:107 Resp: 65872

Ion Ratio Lower Upper

107 100

109 93.5 64.6 120.0

188 2.6 2.2 3.4



#51

Chlorobenzene

Concen: 45.649 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

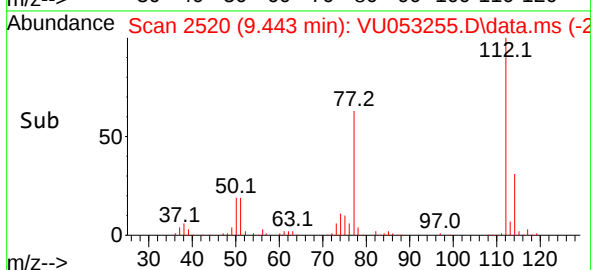
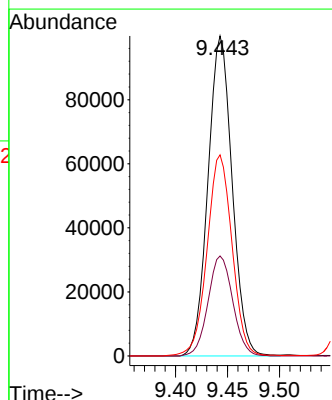
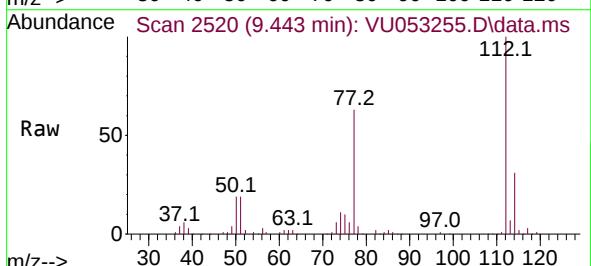
Tgt Ion:112 Resp: 161811

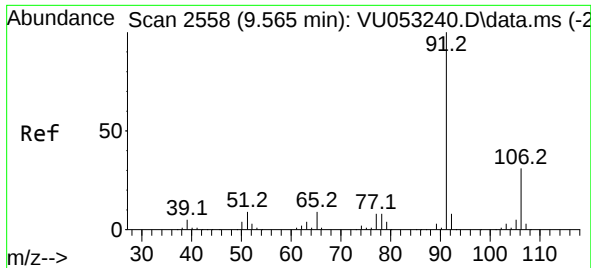
Ion Ratio Lower Upper

112 100

114 31.2 21.8 40.6

77 62.9 48.8 73.2

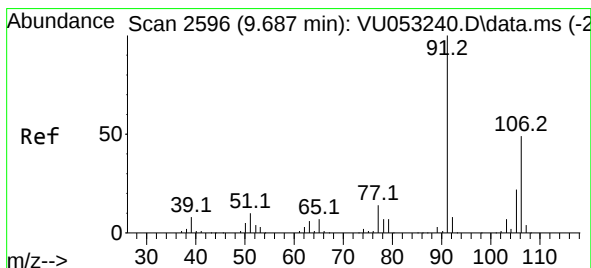
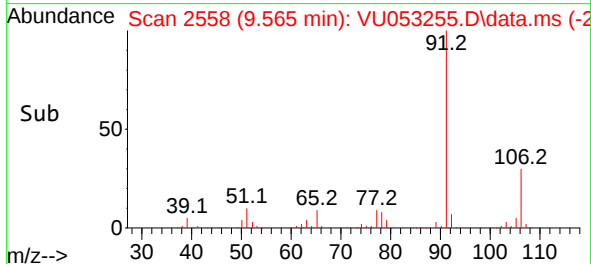
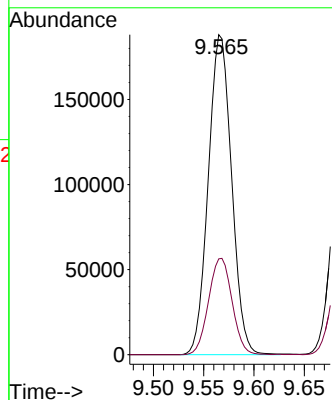
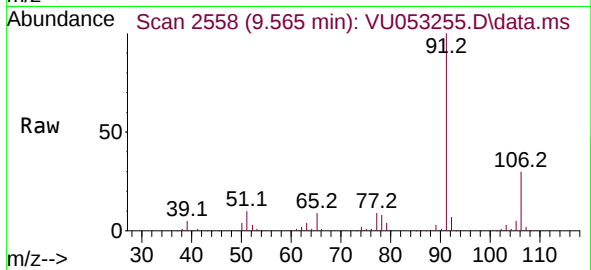




#52
Ethylbenzene
Concen: 46.998 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

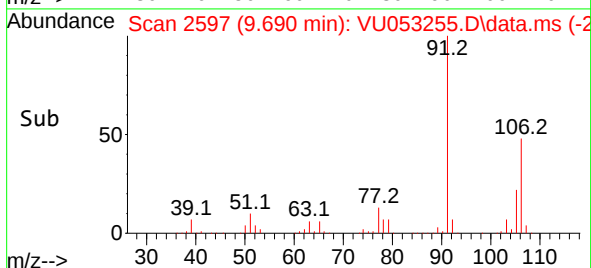
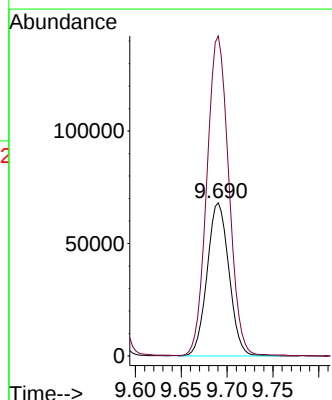
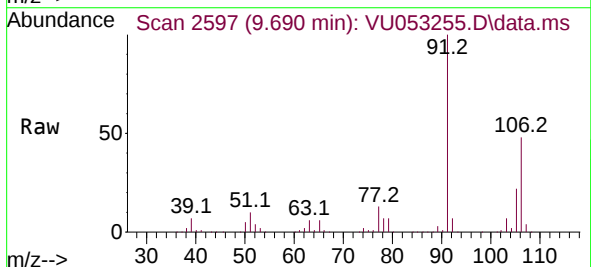
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

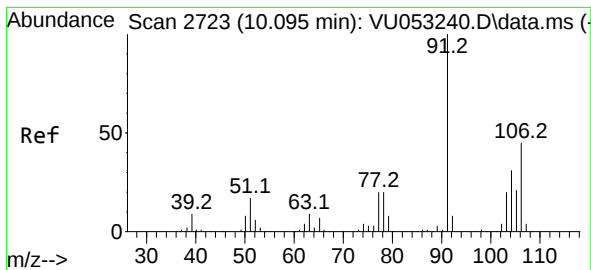
Tgt Ion: 91 Resp: 303119
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.0



#53
m,p-Xylene
Concen: 46.808 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 106 Resp: 112678
Ion Ratio Lower Upper
106 100
91 208.9 145.3 269.8





#54

o-Xylene

Concen: 46.516 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

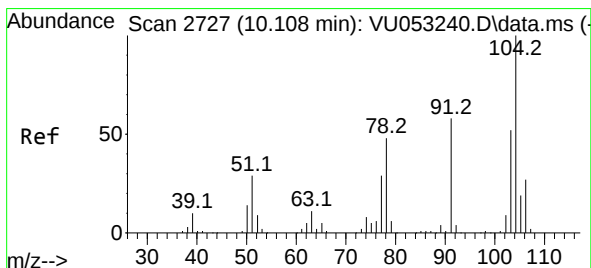
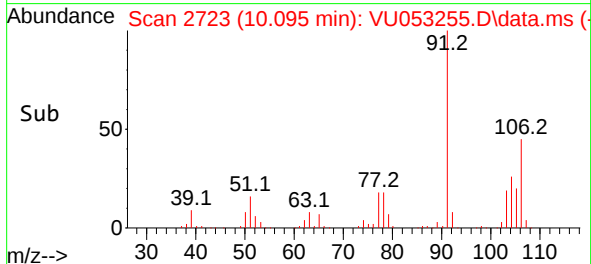
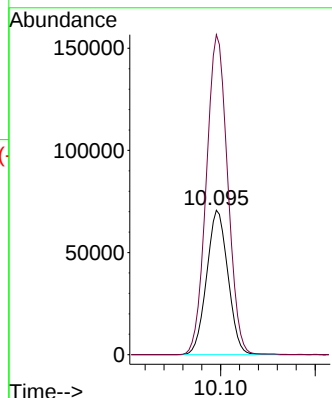
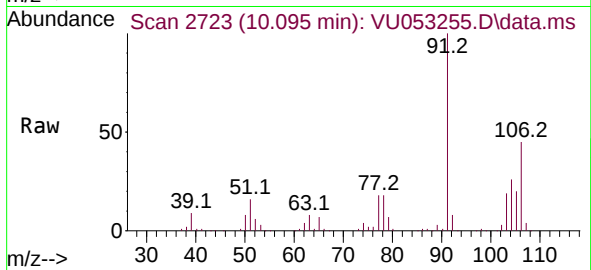
VSTD050164

Tgt Ion:106 Resp: 110747

Ion Ratio Lower Upper

106 100

91 221.5 154.9 287.7



#55

Styrene

Concen: 46.777 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053255.D

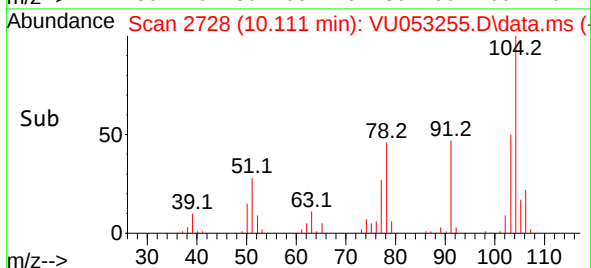
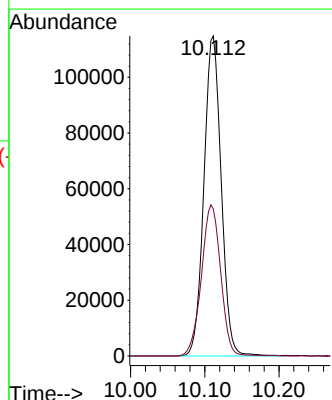
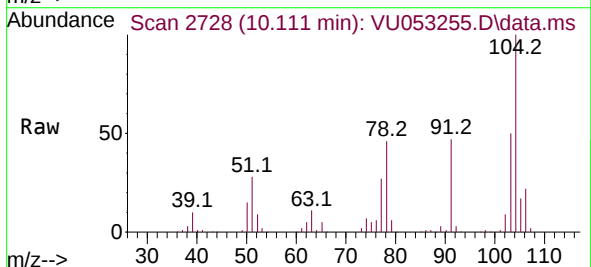
Acq: 17 Mar 2023 10:03

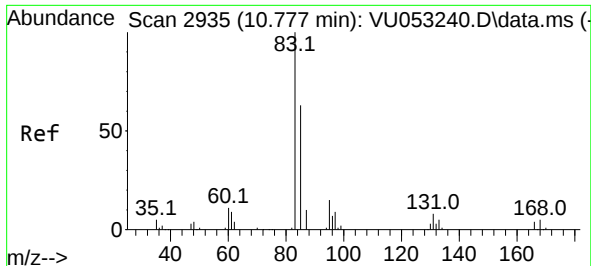
Tgt Ion:104 Resp: 185614

Ion Ratio Lower Upper

104 100

78 46.0 32.9 61.1

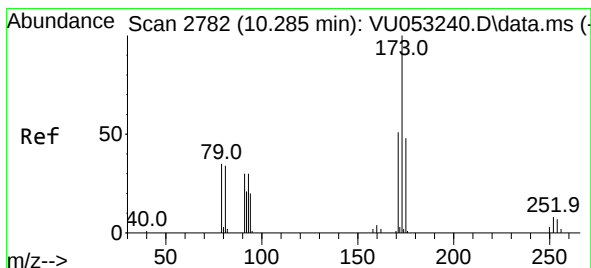
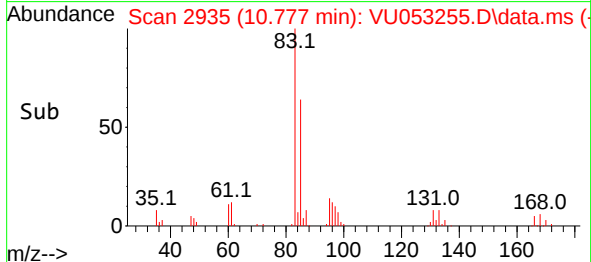
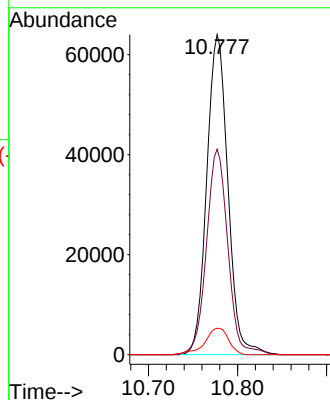
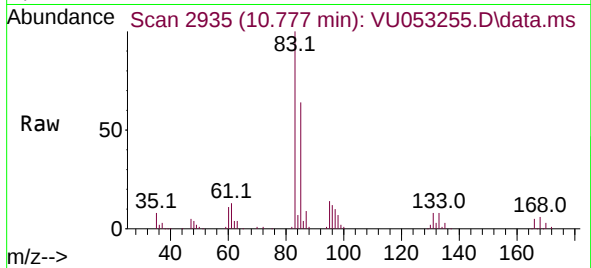




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.904 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

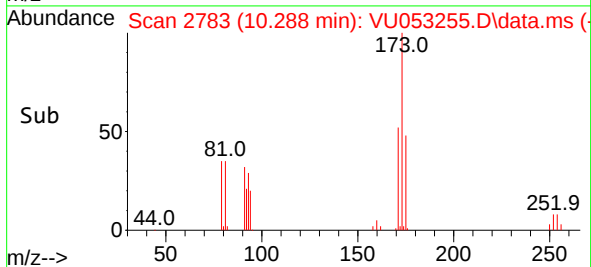
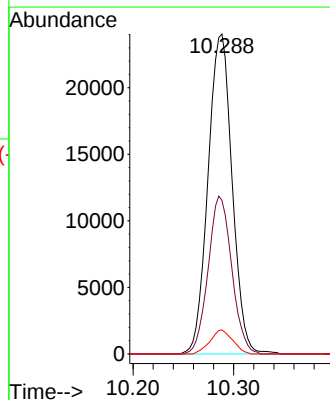
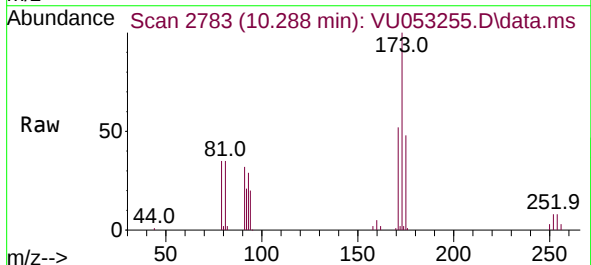
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

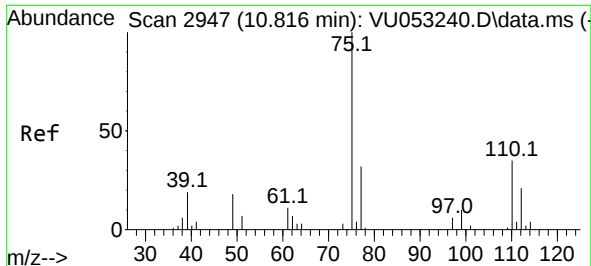
Tgt Ion: 83 Resp: 105552
 Ion Ratio Lower Upper
 83 100
 85 64.2 46.0 85.4
 131 8.3 6.6 10.0



#59
 Bromoform
 Concen: 47.090 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

Tgt Ion: 173 Resp: 40011
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.5 57.7
 254 7.1 6.5 9.7

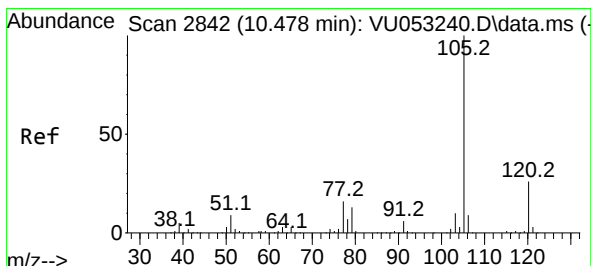
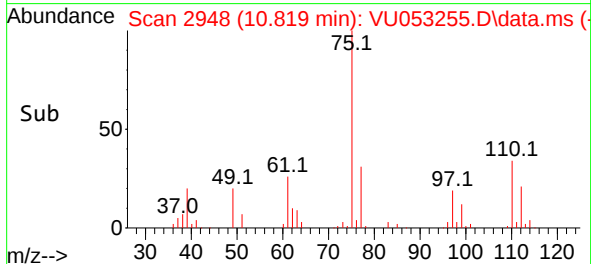
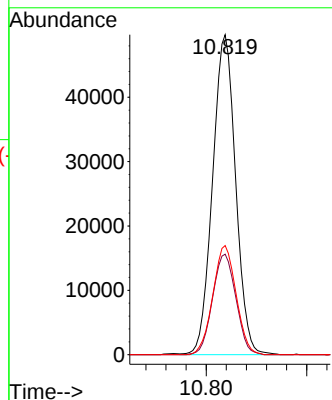
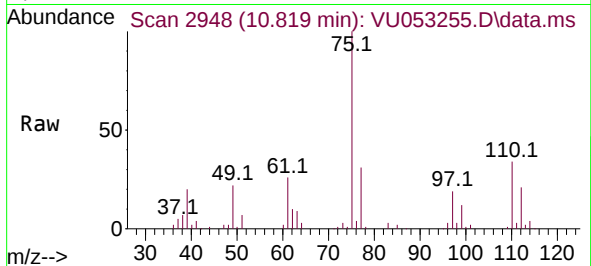




#60
1,2,3-Trichloropropane
Concen: 53.351 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

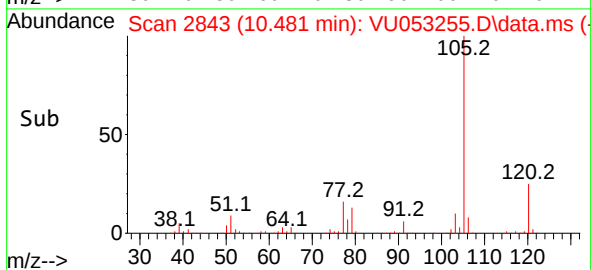
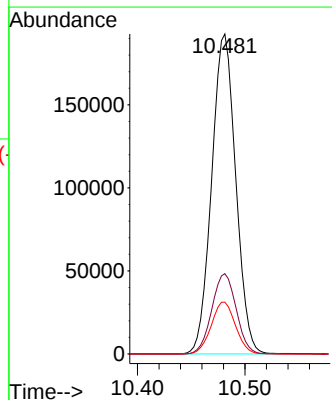
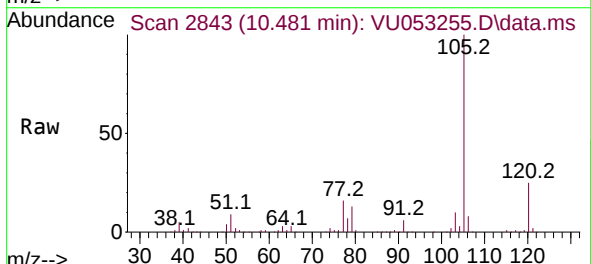
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

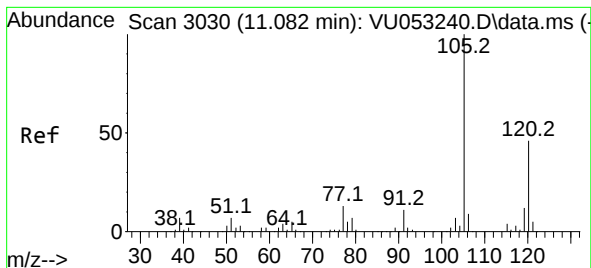
Tgt Ion: 75 Resp: 79154
Ion Ratio Lower Upper
75 100
77 31.8 26.6 40.0
110 34.4 28.6 42.8



#61
Isopropylbenzene
Concen: 50.787 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion: 105 Resp: 299605
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 16.3 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 50.151 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

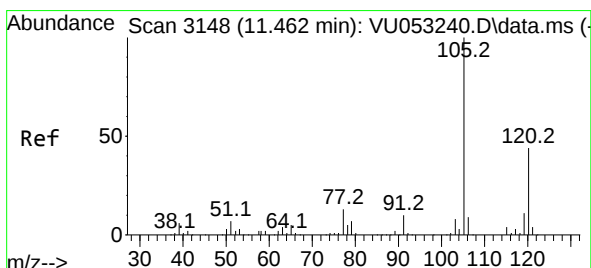
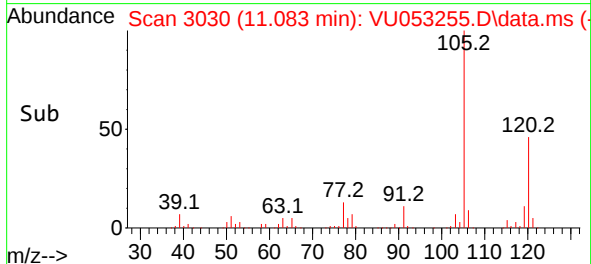
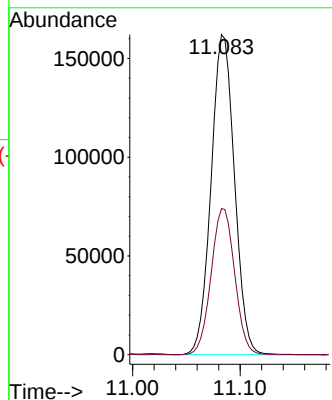
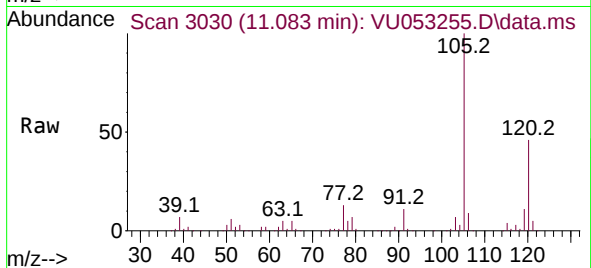
VSTD050164

Tgt Ion:105 Resp: 244894

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 49.411 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053255.D

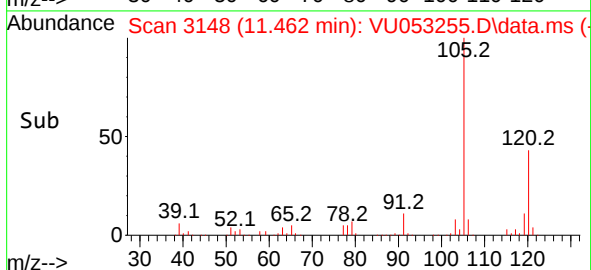
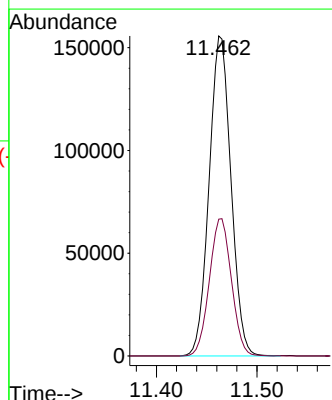
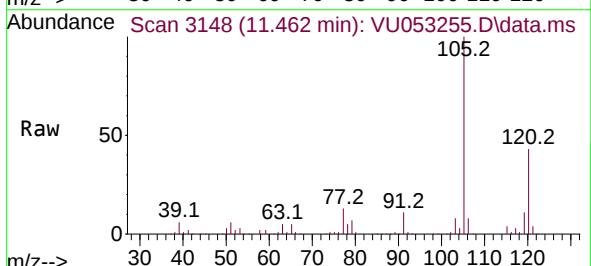
Acq: 17 Mar 2023 10:03

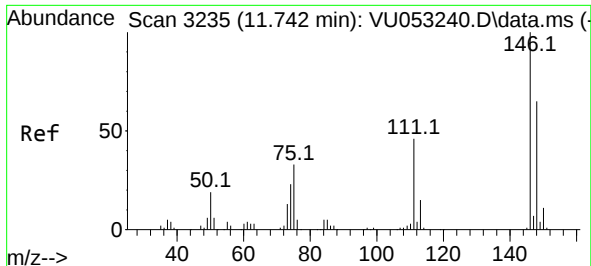
Tgt Ion:105 Resp: 235188

Ion Ratio Lower Upper

105 100

120 43.3 34.6 52.0

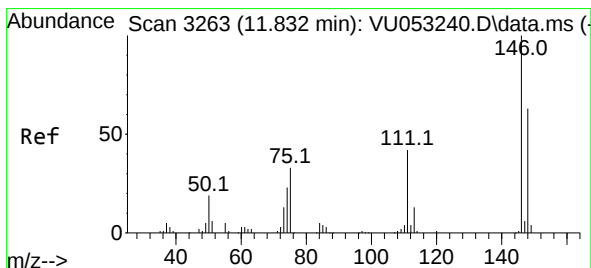
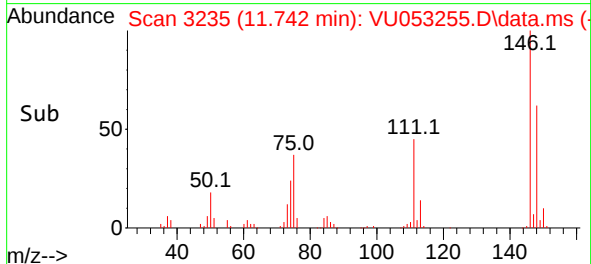
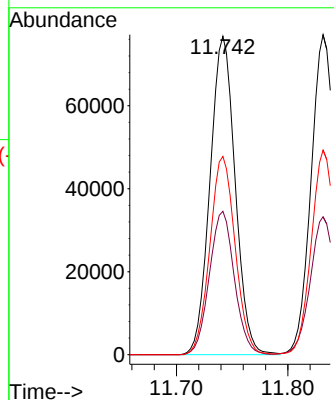
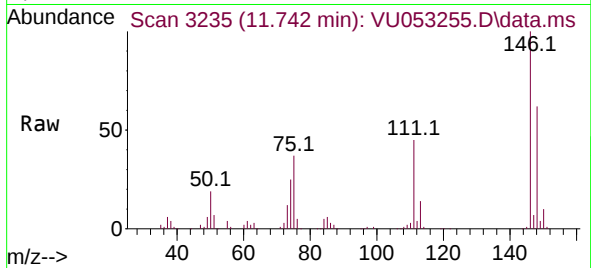




#64
1,3-Dichlorobenzene
Concen: 48.574 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

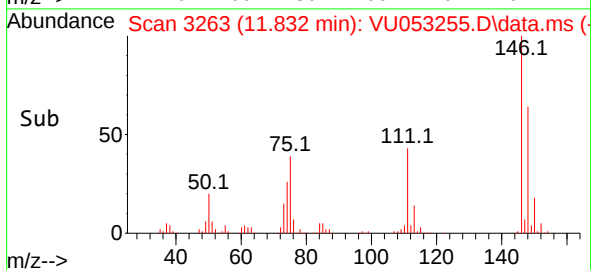
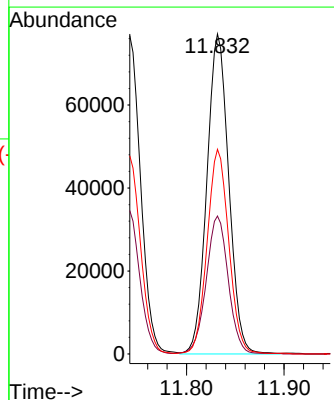
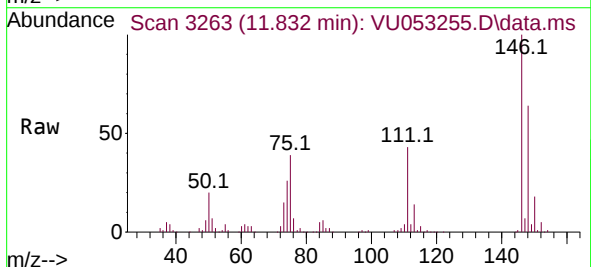
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

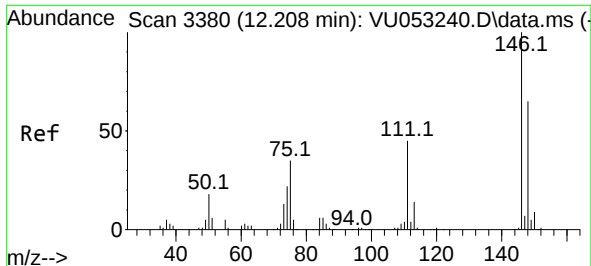
Tgt Ion:146 Resp: 120178
Ion Ratio Lower Upper
146 100
111 45.0 30.2 56.0
148 62.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.427 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053255.D
Acq: 17 Mar 2023 10:03

Tgt Ion:146 Resp: 120282
Ion Ratio Lower Upper
146 100
111 43.1 30.7 57.1
148 63.9 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.825 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

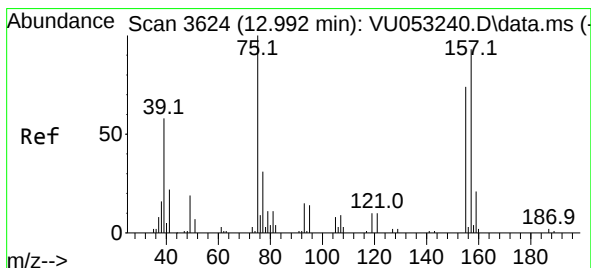
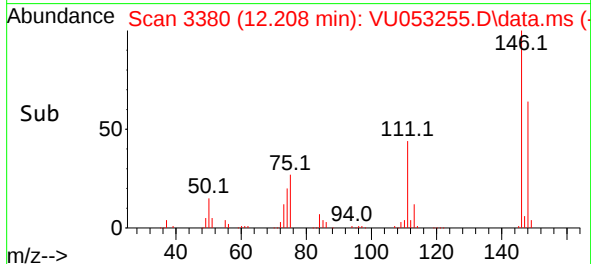
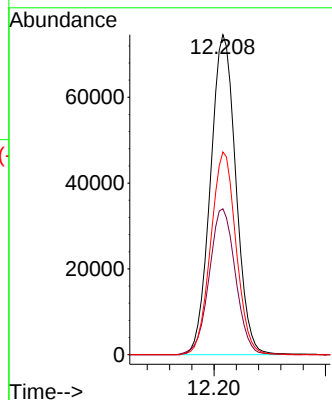
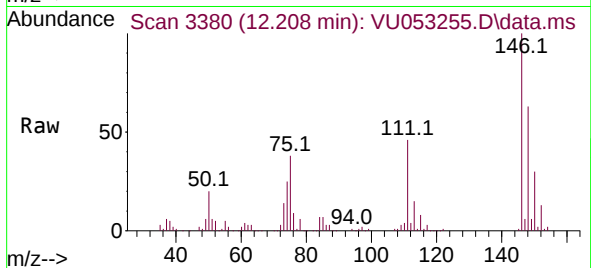
Tgt Ion:146 Resp: 118263

Ion Ratio Lower Upper

146 100

111 45.6 37.0 55.4

148 63.4 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.575 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

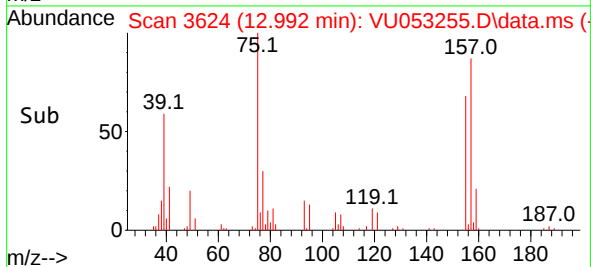
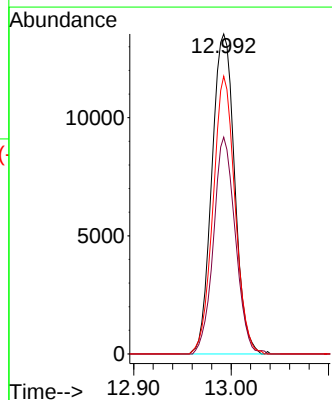
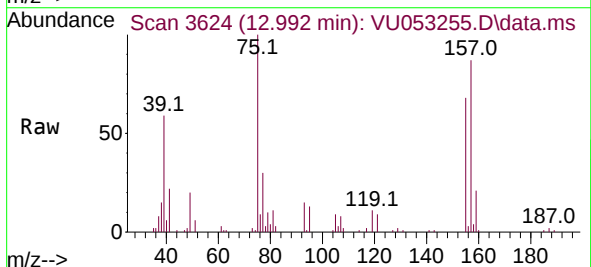
Tgt Ion: 75 Resp: 21980

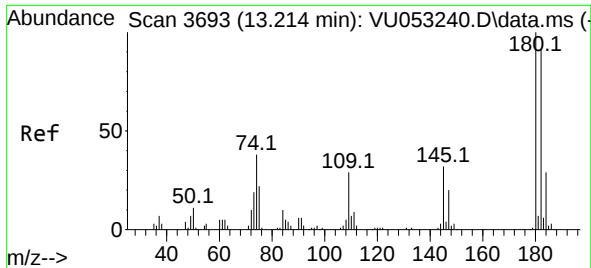
Ion Ratio Lower Upper

75 100

155 67.8 60.2 90.4

157 86.8 73.0 109.4

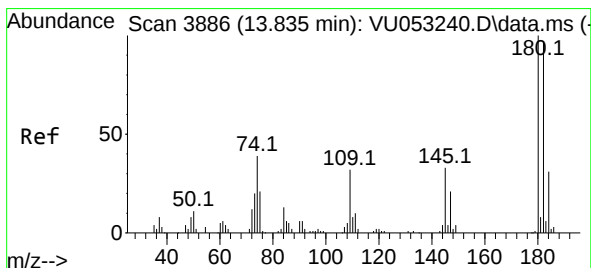
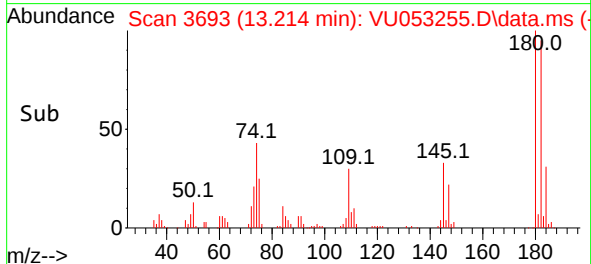
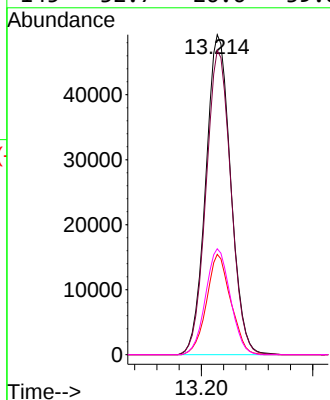
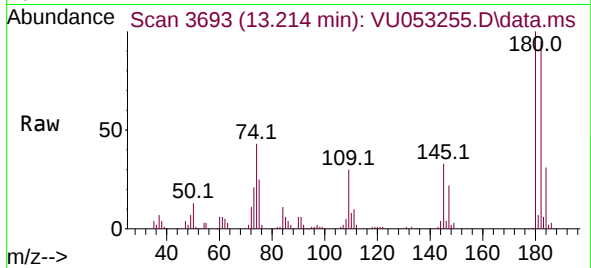




#69
 1,3,5-Trichlorobenzene
 Concen: 48.747 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

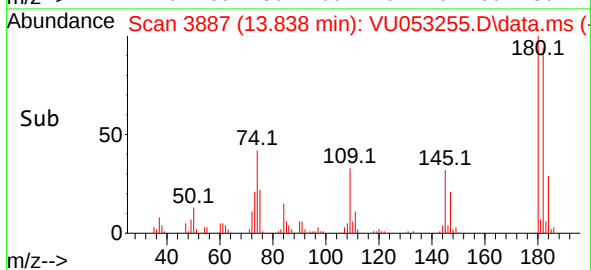
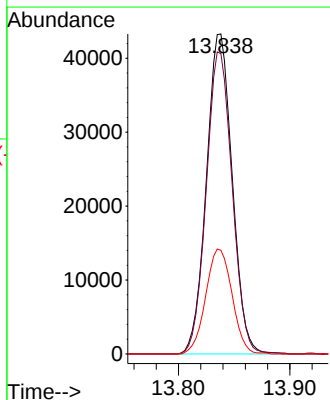
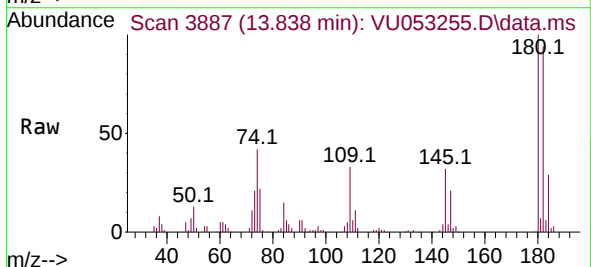
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

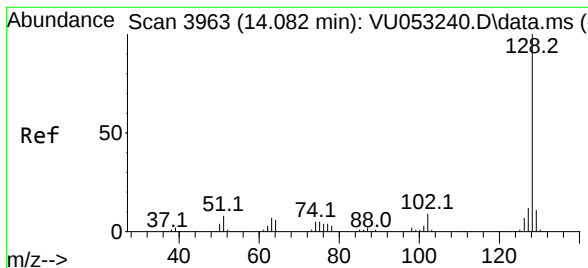
Tgt Ion:180	Resp:	76465
Ion Ratio	Lower	Upper
180	100	
182	94.8	74.5 111.7
184	30.4	23.2 34.8
145	32.7	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 49.575 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053255.D
 Acq: 17 Mar 2023 10:03

Tgt Ion:180	Resp:	69873
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.8 113.8
145	33.3	27.2 40.8





#71

Naphthalene

Concen: 51.755 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

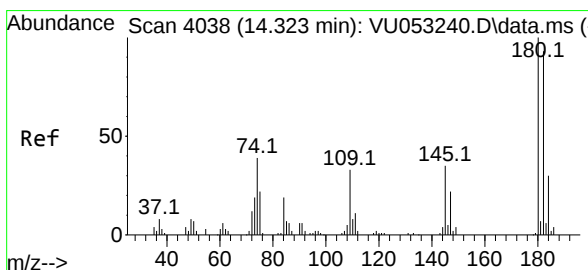
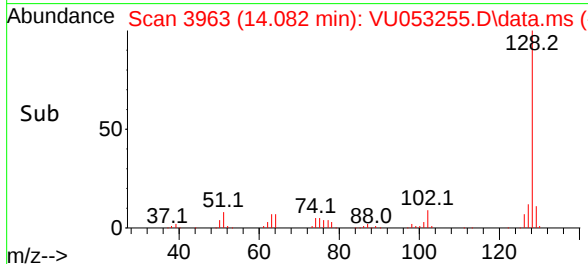
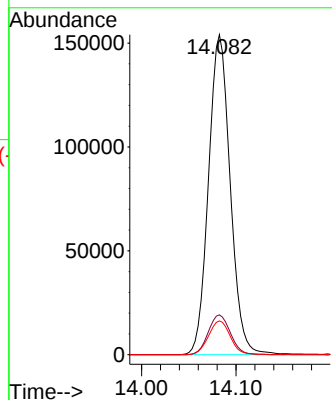
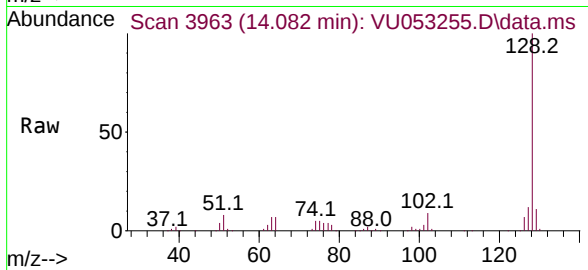
Tgt Ion:128 Resp: 245862

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.232 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053255.D

Acq: 17 Mar 2023 10:03

Tgt Ion:180 Resp: 69814

Ion Ratio Lower Upper

180 100

182 93.0 76.7 115.1

145 35.2 28.6 42.8

