

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041323\
 Data File : VU053682.D
 Acq On : 13 Apr 2023 13:05
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050199

Quant Time: Apr 14 01:55:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	232150	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	224124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	121775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	77763	43.019	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.040%
7) Chloroethane-d5	1.906	69	66717	47.869	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.740%
11) 1,1-Dichloroethene-d2	2.562	63	122434	43.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.500%
21) 2-Butanone-d5	4.613	46	98281	120.085	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.080%
24) Chloroform-d	5.057	84	144759	48.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
26) 1,2-Dichloroethane-d4	5.697	65	90800	51.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.800%
32) Benzene-d6	5.723	84	284281	46.991	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
36) 1,2-Dichloropropane-d6	6.684	67	90522	48.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.900%
41) Toluene-d8	7.893	98	268573	44.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.340%
43) trans-1,3-Dichloroprop...	8.176	79	44981	47.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.260%
47) 2-Hexanone-d5	8.626	63	74061	117.356	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	136571	52.402	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	112658	44.321	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	74676	39.632	ug/L	99
3) Chloromethane	1.520	50	80768	52.166	ug/L	96
5) Vinyl chloride	1.601	62	91158	50.803	ug/L	100
6) Bromomethane	1.845	94	64277	49.232	ug/L	97
8) Chloroethane	1.928	64	56090	51.973	ug/L	95
9) Trichlorofluoromethane	2.134	101	126308	45.766	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	71780	44.908	ug/L	91
12) 1,1-Dichloroethene	2.575	96	61682	43.301	ug/L	97
13) Acetone	2.620	43	65691	89.312	ug/L	95
14) Carbon disulfide	2.787	76	157293	41.743	ug/L	97
15) Methyl Acetate	2.941	43	69455	61.650	ug/L	99
16) Methylene chloride	3.041	84	79461	49.629	ug/L	95
17) trans-1,2-Dichloroethene	3.346	96	65523	45.769	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	222594	53.344	ug/L	99
19) 1,1-Dichloroethane	3.864	63	123820	52.213	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	78601	47.534	ug/L	94
22) 2-Butanone	4.694	43	98970	111.067	ug/L	97
23) Bromochloromethane	4.967	128	43425	47.146	ug/L	90
25) Chloroform	5.083	83	140317	51.587	ug/L	100

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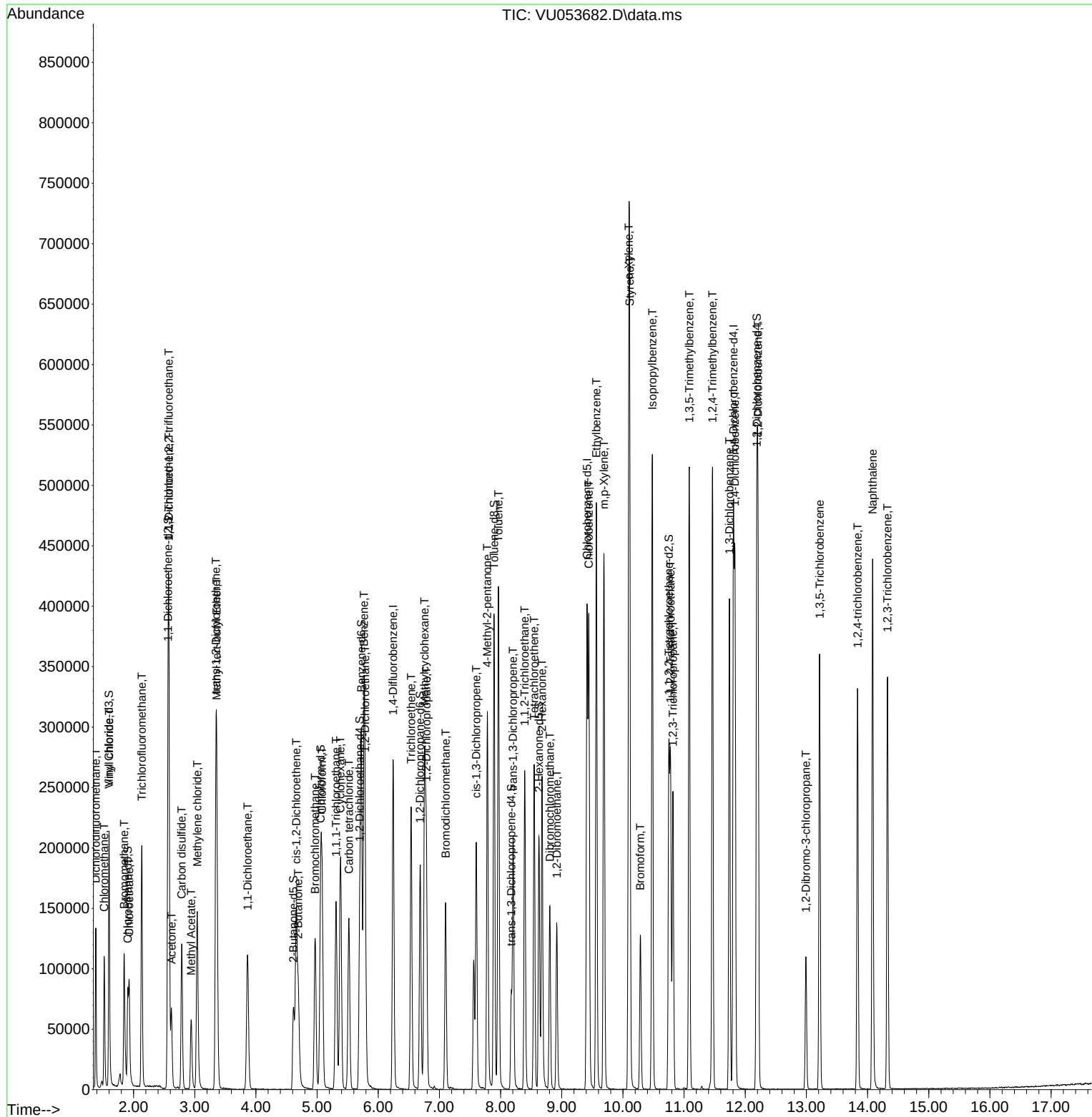
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	107474	53.954	ug/L	98
29) Cyclohexane	5.382	56	97766	45.312	ug/L	93
30) 1,1,1-Trichloroethane	5.311	97	111038	44.962	ug/L	96
31) Carbon tetrachloride	5.520	117	95299	43.071	ug/L	99
33) Benzene	5.768	78	293751	50.305	ug/L	100
34) Trichloroethene	6.539	95	78024	44.178	ug/L	96
35) Methylcyclohexane	6.758	83	115644	44.546	ug/L	98
37) 1,2-Dichloropropane	6.787	63	77854	52.508	ug/L	98
38) Bromodichloromethane	7.102	83	100371	50.743	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	126957	52.397	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	191417	118.799	ug/L	99
42) Toluene	7.964	91	311379	47.054	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	120091	52.429	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	83428	51.248	ug/L	98
46) Tetrachloroethene	8.549	164	58177	39.695	ug/L	93
48) 2-Hexanone	8.677	43	148216	113.717	ug/L	99
49) Dibromochloromethane	8.806	129	78276	46.243	ug/L	97
50) 1,2-Dibromoethane	8.919	107	90332	49.597	ug/L	99
51) Chlorobenzene	9.443	112	213241	46.769	ug/L	97
52) Ethylbenzene	9.565	91	342008	46.427	ug/L	100
53) m,p-Xylene	9.690	106	131053	45.488	ug/L	96
54) o-Xylene	10.095	106	131003	45.990	ug/L	94
55) Styrene	10.111	104	224990	48.493	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	135534	56.705	ug/L	95
59) Bromoform	10.285	173	57488	46.122	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	104777	59.340	ug/L	97
61) Isopropylbenzene	10.481	105	338290	46.987	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	284803	47.586	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	285643	48.187	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	163672	43.506	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	168182	43.864	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	171154	45.648	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	27258	57.908	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	111058	39.865	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	99150	38.387	ug/L	98
71) Naphthalene	14.082	128	351707	45.493	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	105021	40.709	ug/L	98

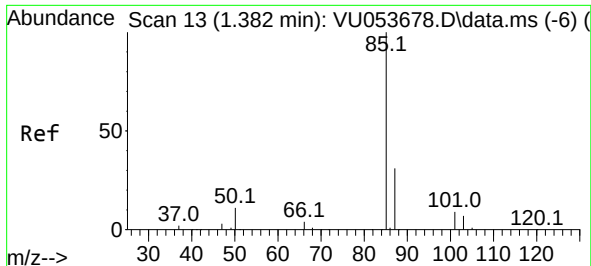
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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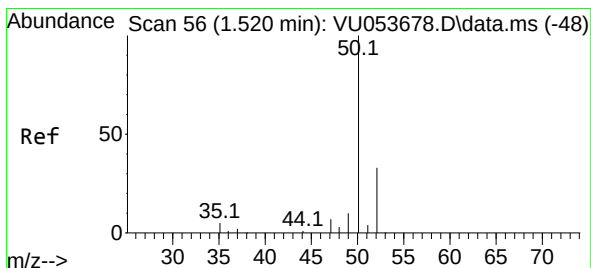
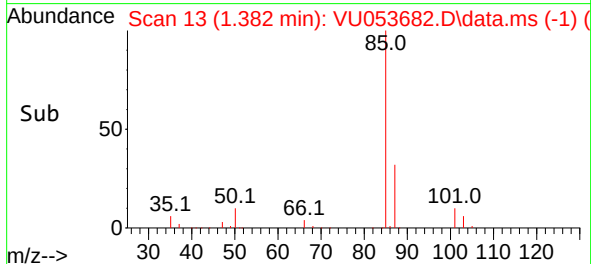
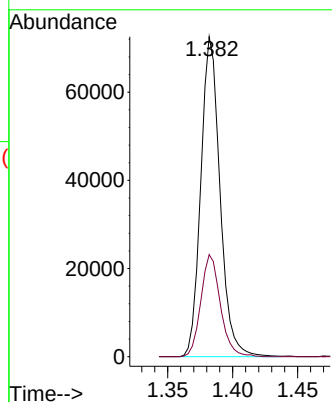
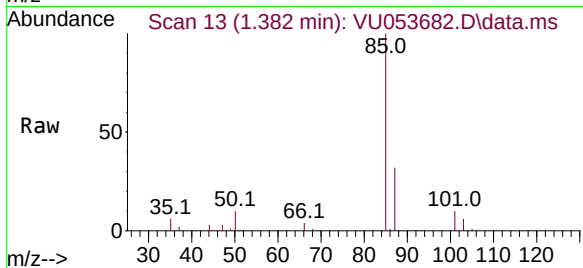




#2
Dichlorodifluoromethane
Concen: 39.632 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

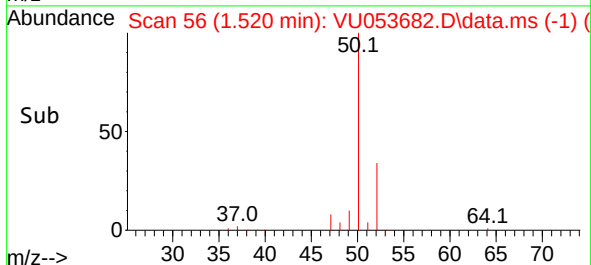
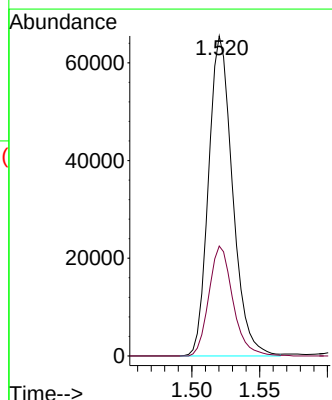
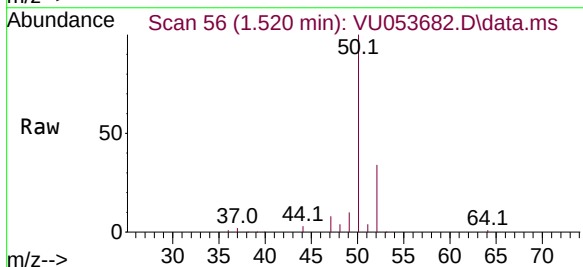
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

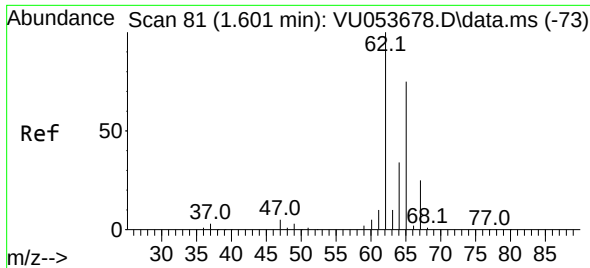
Tgt Ion: 85 Resp: 74676
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 52.166 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 50 Resp: 80768
Ion Ratio Lower Upper
50 100
52 34.4 22.7 42.1

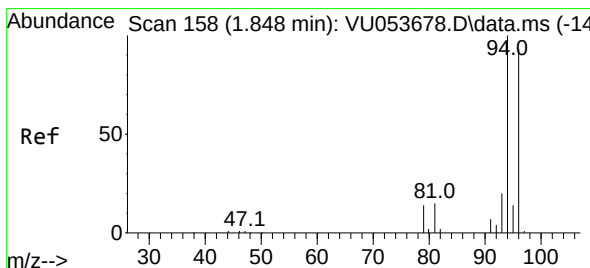
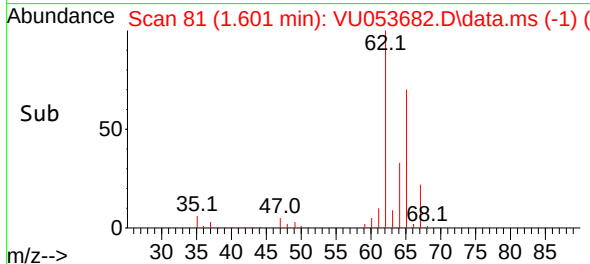
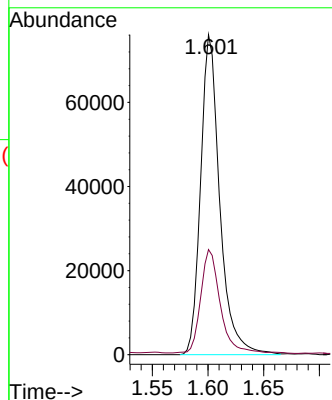
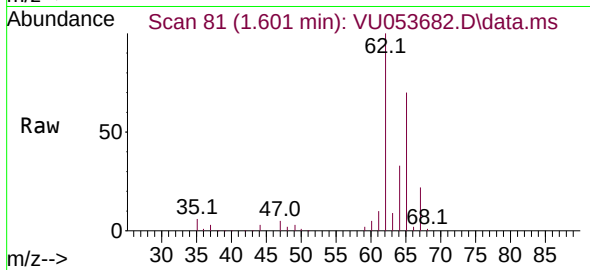




#5
 Vinyl chloride
 Concen: 50.803 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053682.D
 Acq: 13 Apr 2023 13:05

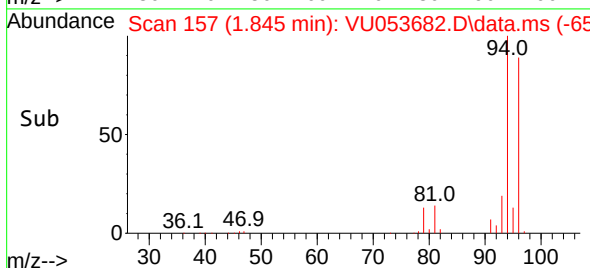
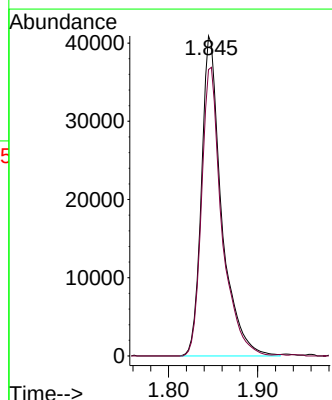
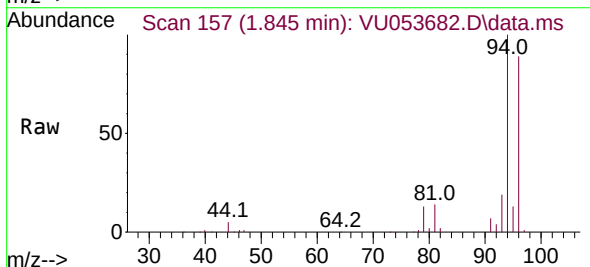
Instrument :
 MSVOA_U
 ClientSampleId :
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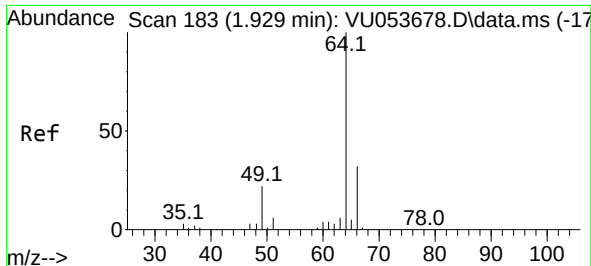
Tgt Ion: 62 Resp: 91158
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 49.232 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VU053682.D
 Acq: 13 Apr 2023 13:05

Tgt Ion: 94 Resp: 64277
 Ion Ratio Lower Upper
 94 100
 96 89.5 64.4 119.6





#8

Chloroethane

Concen: 51.973 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

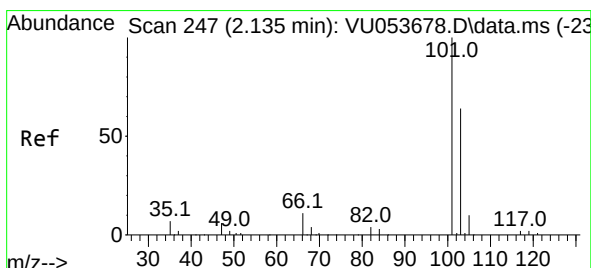
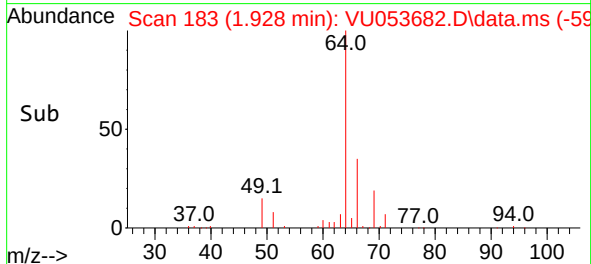
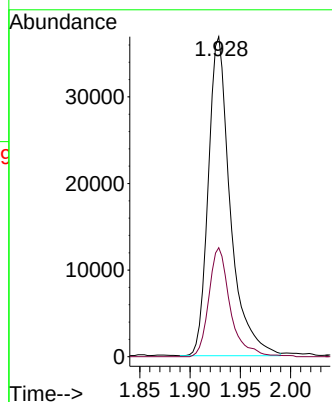
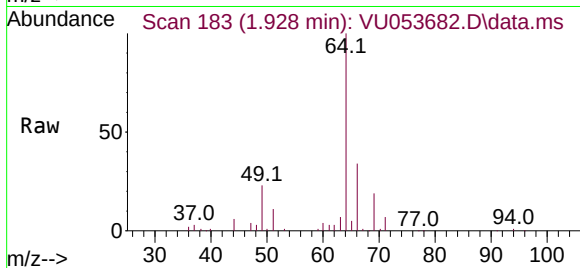
VSTD050199

Tgt Ion: 64 Resp: 56090

Ion Ratio Lower Upper

64 100

66 34.0 21.8 40.6



#9

Trichlorofluoromethane

Concen: 45.766 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU053682.D

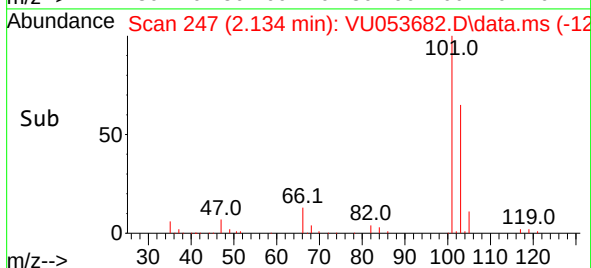
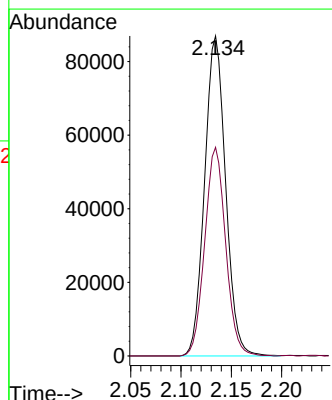
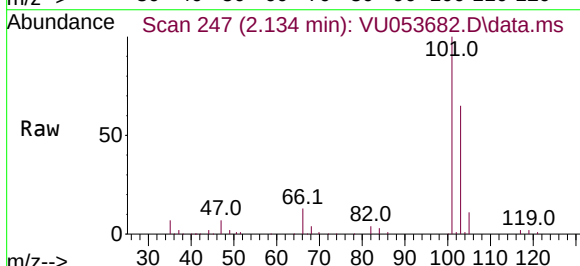
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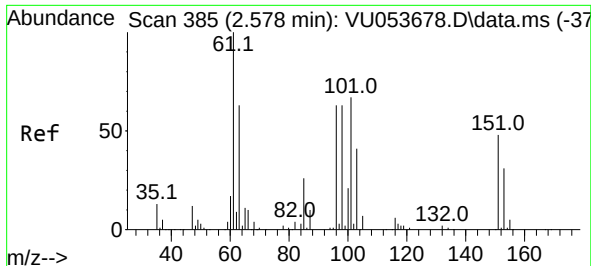
Tgt Ion:101 Resp: 126308

Ion Ratio Lower Upper

101 100

103 65.0 52.5 78.7

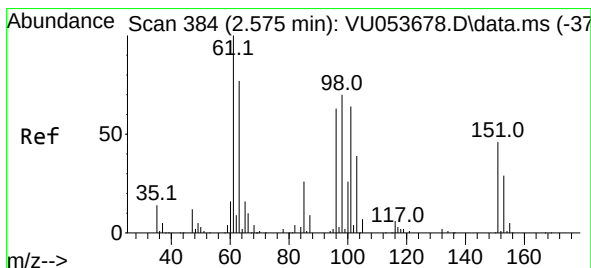
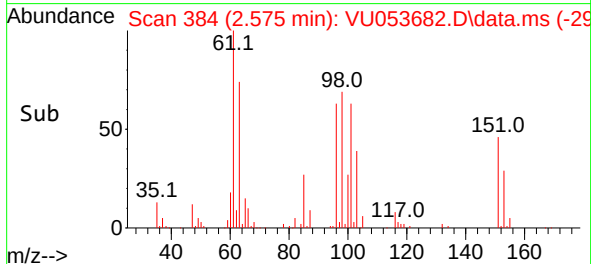
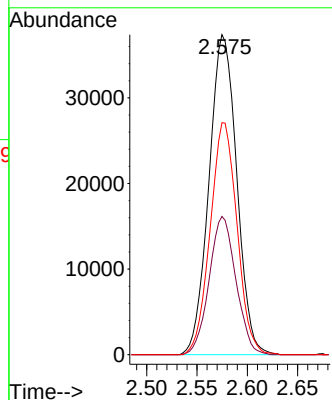
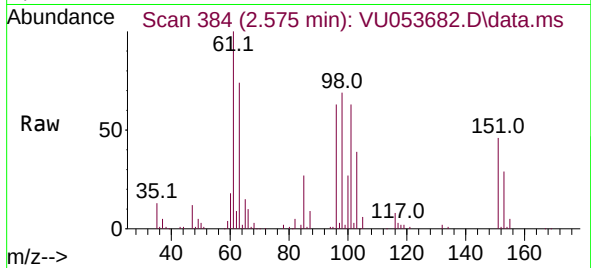




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.908 ug/L
RT: 2.575 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

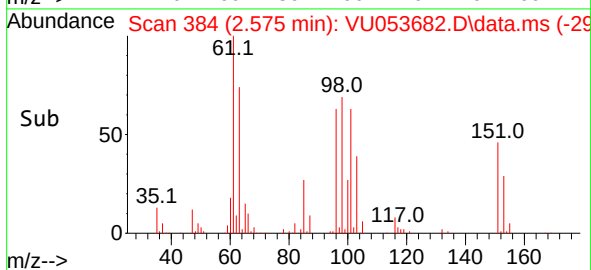
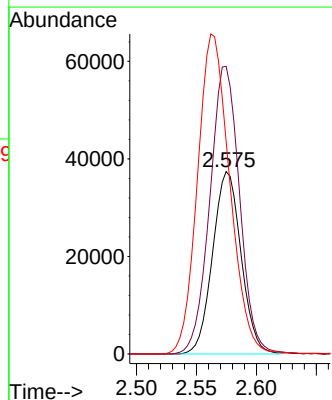
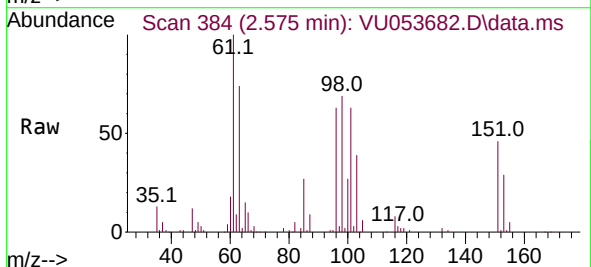
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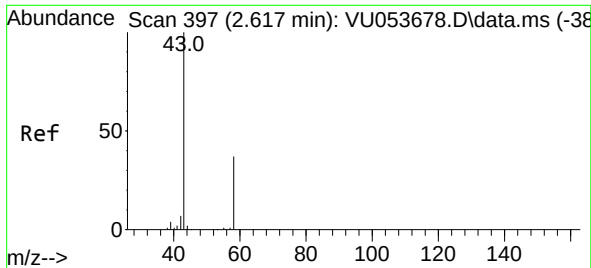
Tgt Ion:101 Resp: 71780
Ion Ratio Lower Upper
101 100
85 41.7 32.6 48.8
151 70.2 65.8 98.6



#12
1,1-Dichloroethene
Concen: 43.301 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 96 Resp: 61682
Ion Ratio Lower Upper
96 100
61 157.7 107.9 200.5
63 116.7 79.1 146.9





#13

Acetone

Concen: 89.312 ug/L

RT: 2.620 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

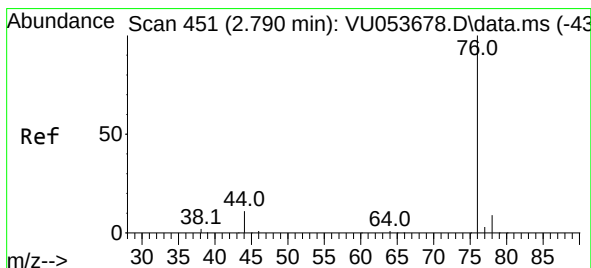
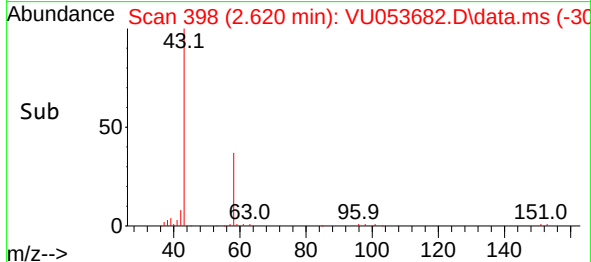
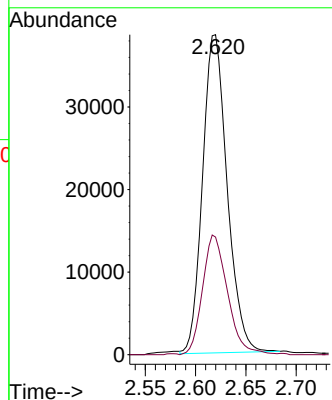
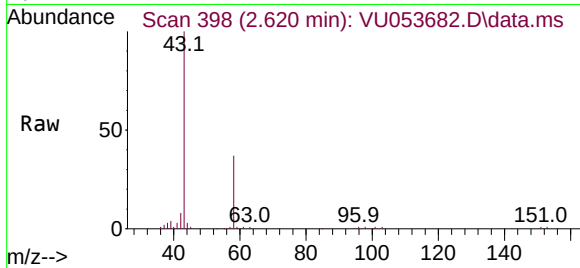
VSTD050199

Tgt Ion: 43 Resp: 65691

Ion Ratio Lower Upper

43 100

58 38.2 0.0 70.2



#14

Carbon disulfide

Concen: 41.743 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU053682.D

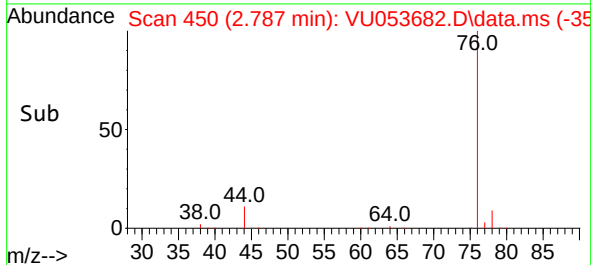
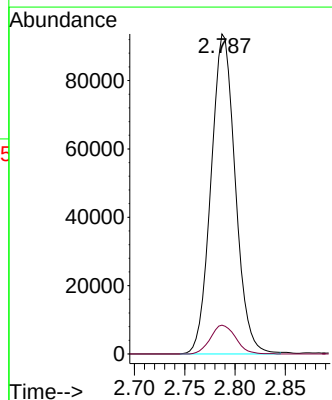
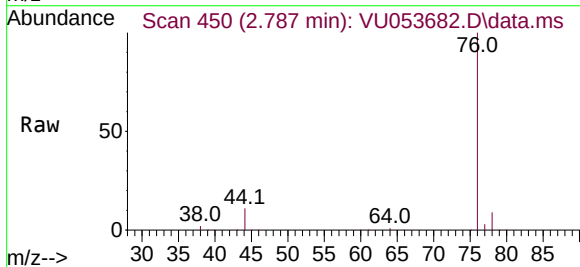
Acq: 13 Apr 2023 13:05

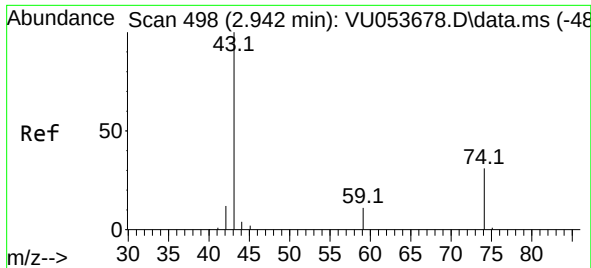
Tgt Ion: 76 Resp: 157293

Ion Ratio Lower Upper

76 100

78 9.0 8.2 12.2

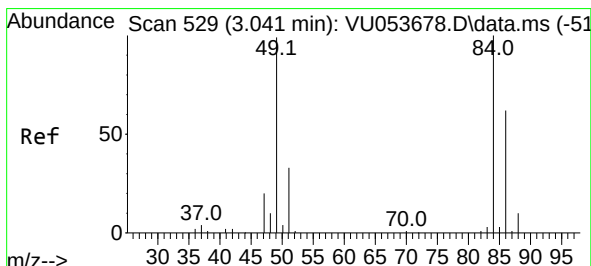
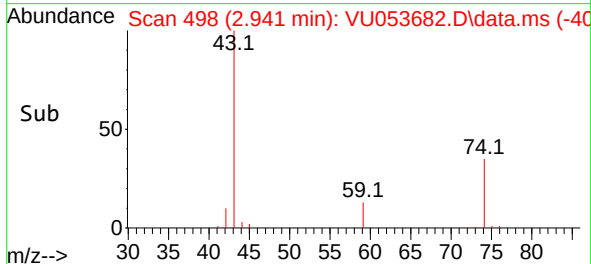
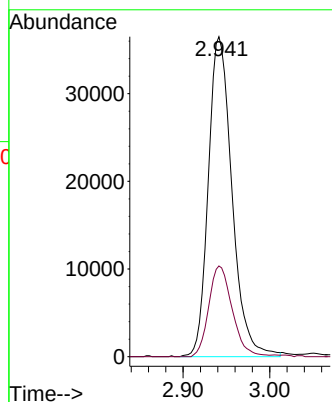
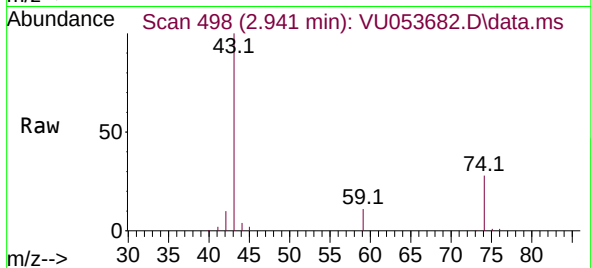




#15
Methyl Acetate
Concen: 61.650 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

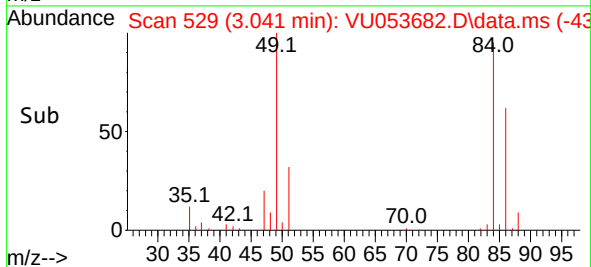
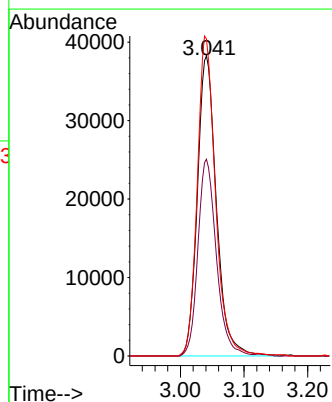
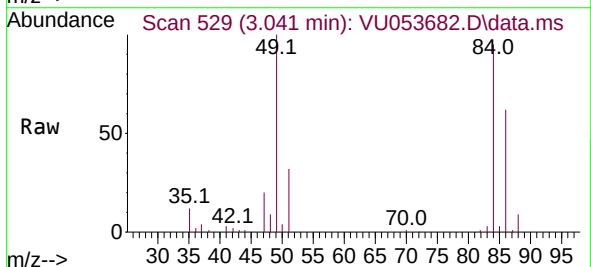
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

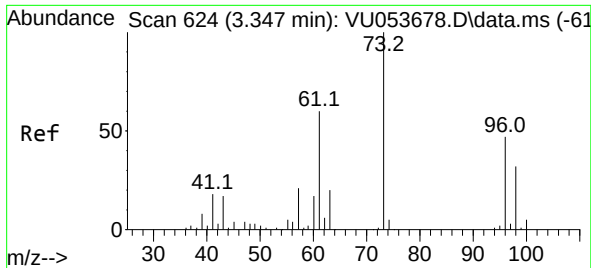
Tgt Ion: 43 Resp: 69455
Ion Ratio Lower Upper
43 100
74 28.0 22.0 33.0



#16
Methylene chloride
Concen: 49.629 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 84 Resp: 79461
Ion Ratio Lower Upper
84 100
86 65.6 43.5 80.9
49 105.6 69.7 129.5

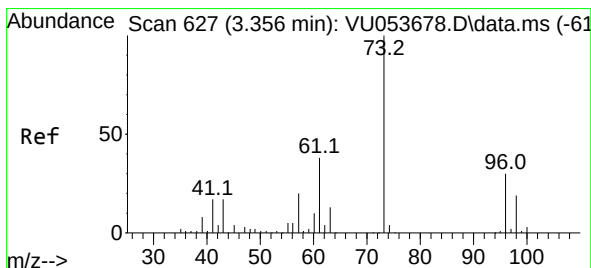
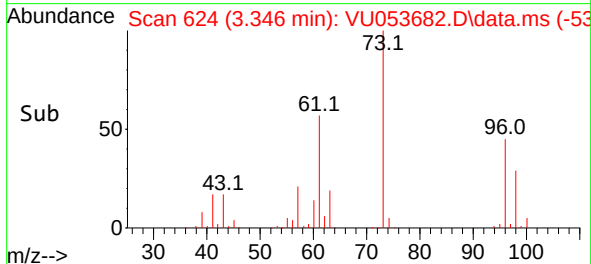
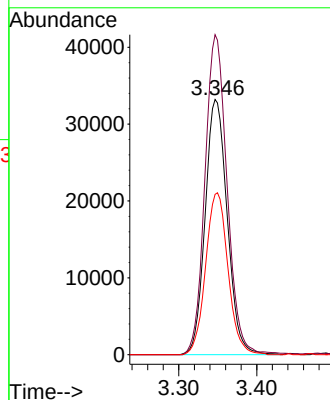
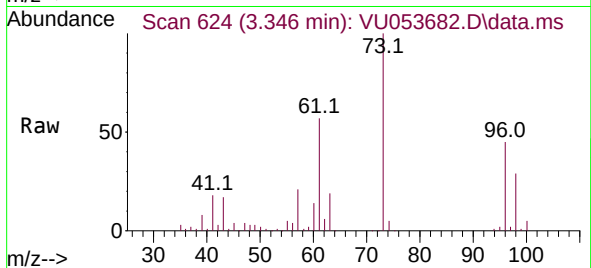




#17
trans-1,2-Dichloroethene
Concen: 45.769 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

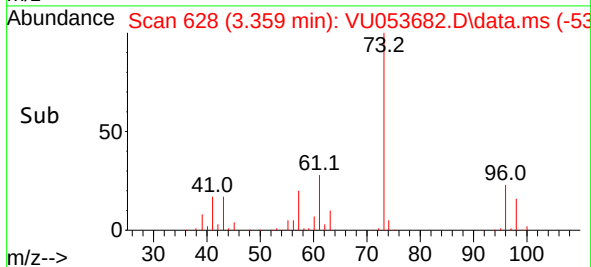
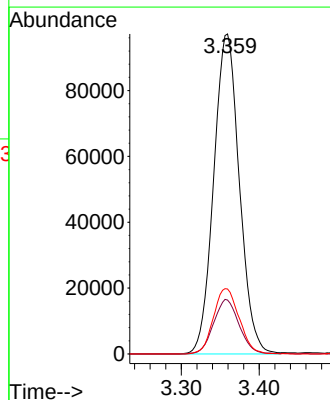
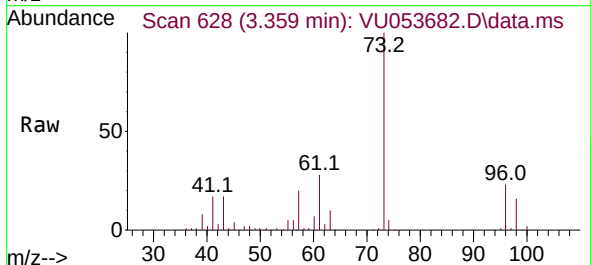
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

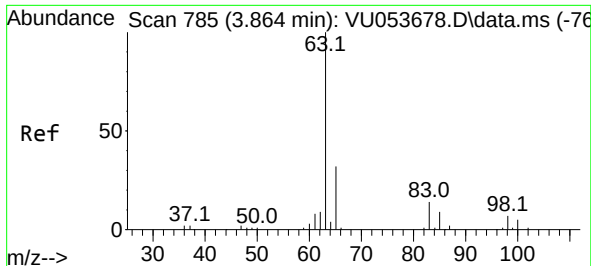
Tgt Ion: 96 Resp: 65523
Ion Ratio Lower Upper
96 100
61 125.4 84.4 156.8
98 62.8 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 53.344 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 73 Resp: 222594
Ion Ratio Lower Upper
73 100
43 17.0 13.8 20.8
57 20.4 15.9 23.9





#19

1,1-Dichloroethane

Concen: 52.213 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050199

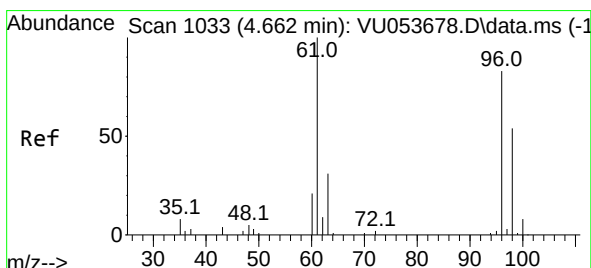
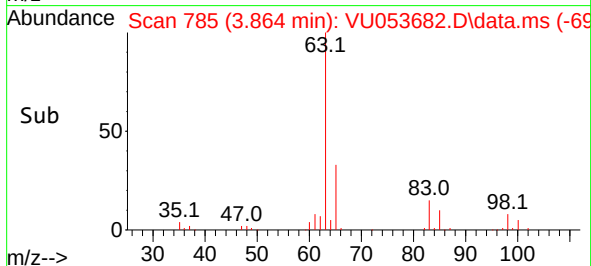
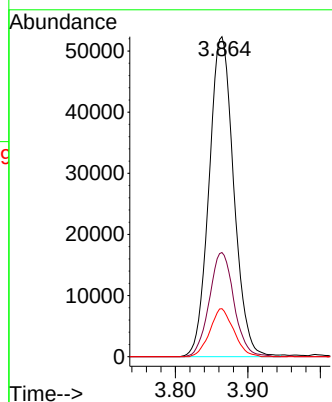
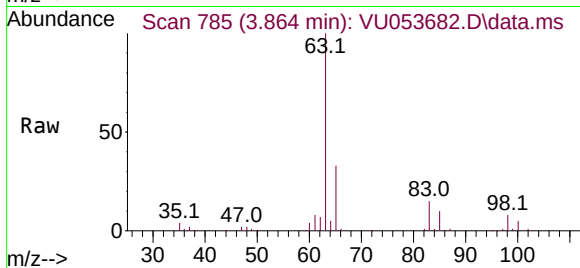
Tgt Ion: 63 Resp: 123820

Ion Ratio Lower Upper

63 100

65 32.5 22.0 41.0

83 15.0 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 47.534 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

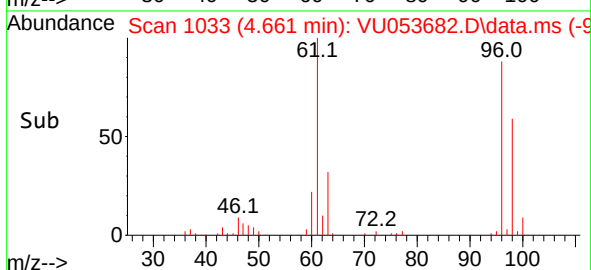
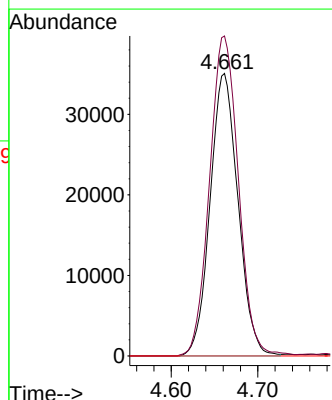
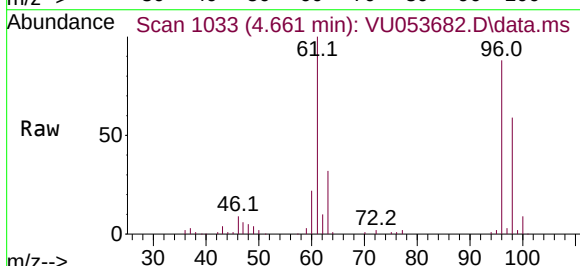
Tgt Ion: 96 Resp: 78601

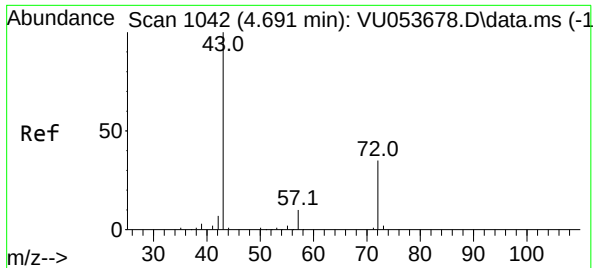
Ion Ratio Lower Upper

96 100

61 113.3 74.7 138.7

68 0.0 0.0 0.0

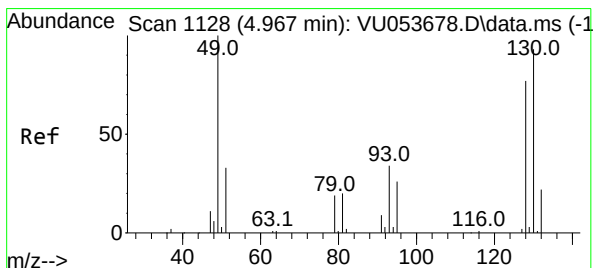
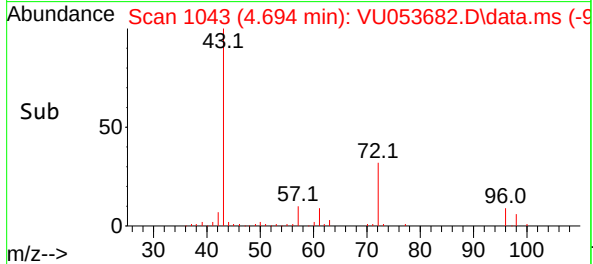
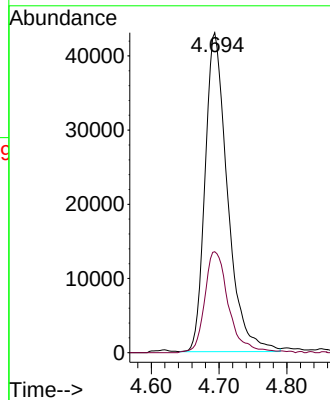
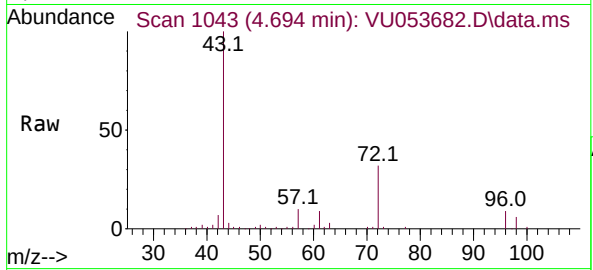




#22
2-Butanone
Concen: 111.067 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.003 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

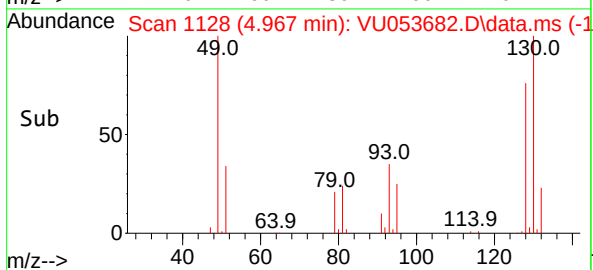
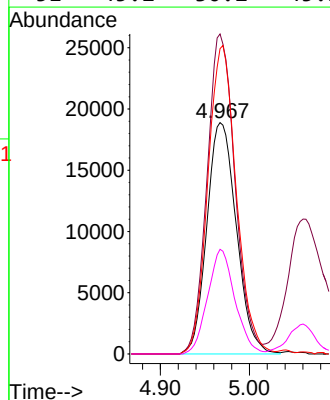
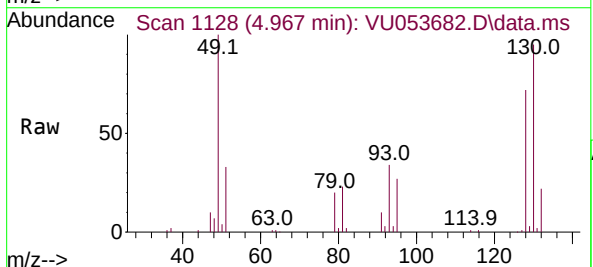
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

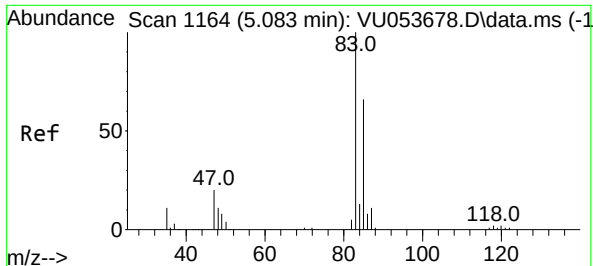
Tgt Ion: 43 Resp: 98970
Ion Ratio Lower Upper
43 100
72 33.1 15.8 47.3



#23
Bromochloromethane
Concen: 47.146 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion:128 Resp: 43425
Ion Ratio Lower Upper
128 100
49 138.3 81.5 151.3
130 132.0 91.8 170.4
51 45.2 30.2 45.2





#25

Chloroform

Concen: 51.587 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

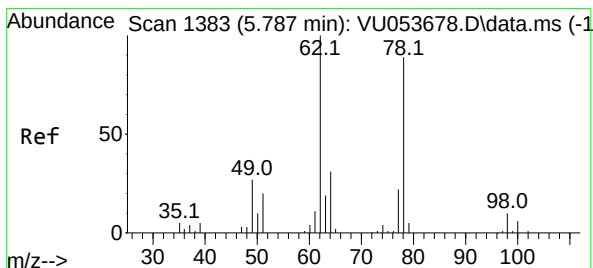
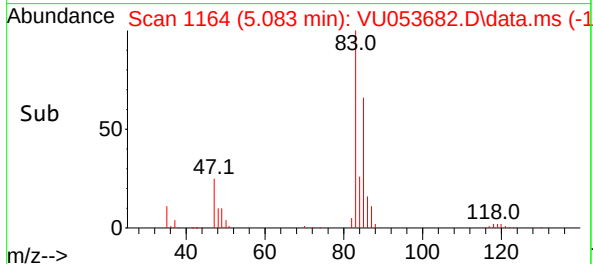
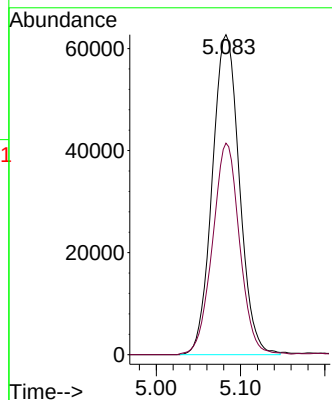
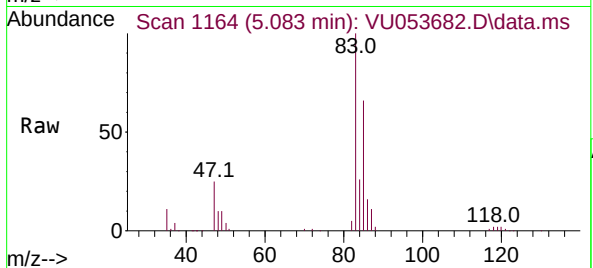
VSTD050199

Tgt Ion: 83 Resp: 140317

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 53.954 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053682.D

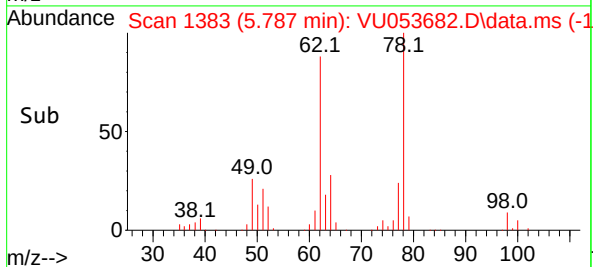
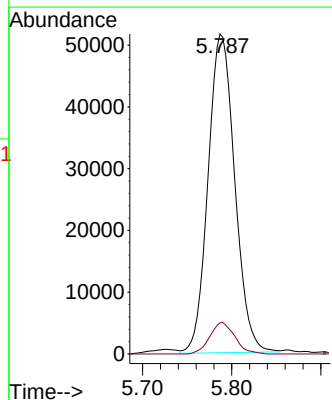
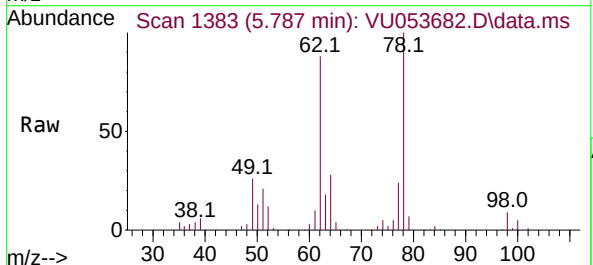
Acq: 13 Apr 2023 13:05

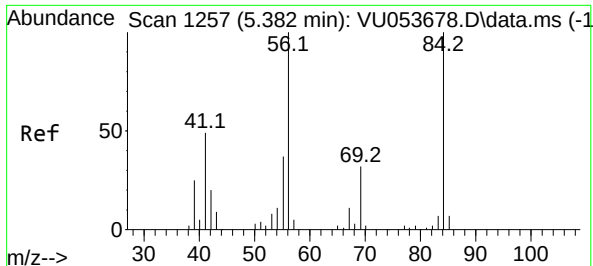
Tgt Ion: 62 Resp: 107474

Ion Ratio Lower Upper

62 100

98 9.8 8.3 12.5





#29

Cyclohexane

Concen: 45.312 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050199

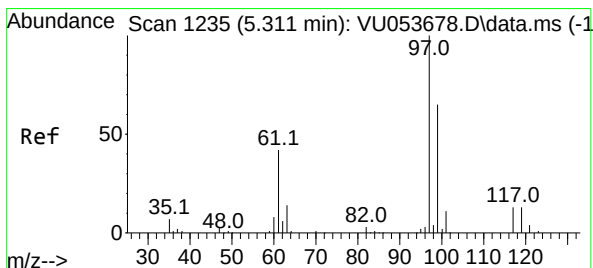
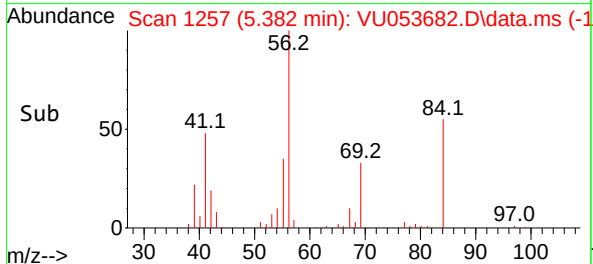
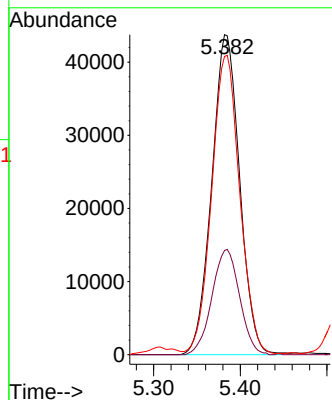
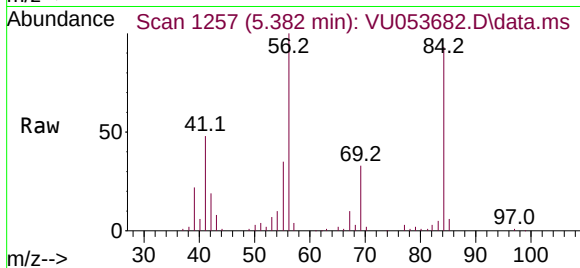
Tgt Ion: 56 Resp: 97766

Ion Ratio Lower Upper

56 100

69 32.6 27.3 40.9

84 93.4 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 44.962 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

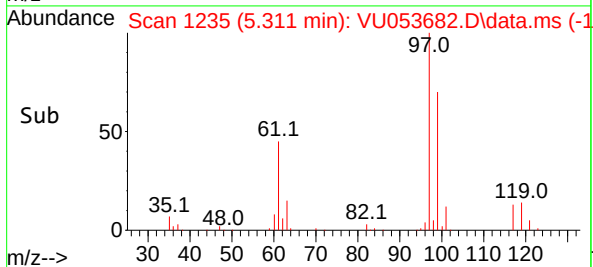
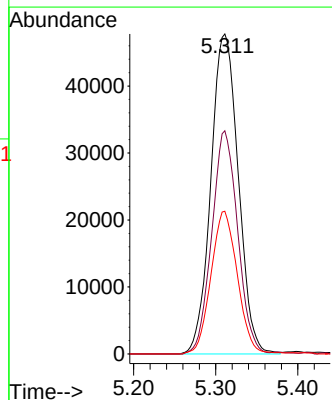
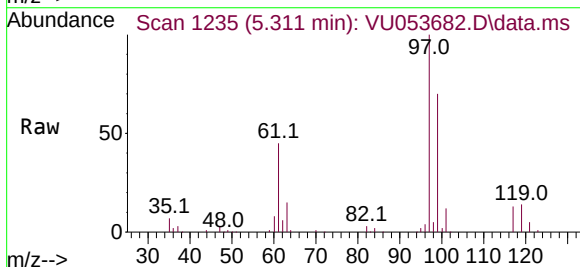
Tgt Ion: 97 Resp: 111038

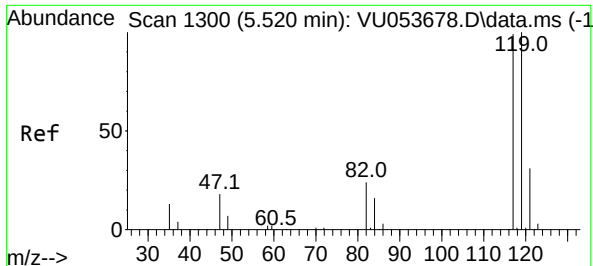
Ion Ratio Lower Upper

97 100

99 65.8 51.6 77.4

61 42.9 31.0 46.4

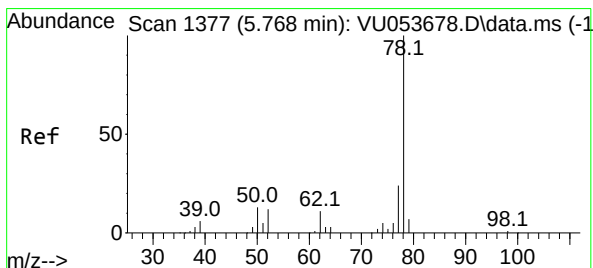
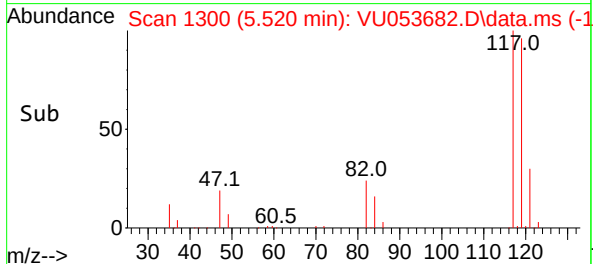
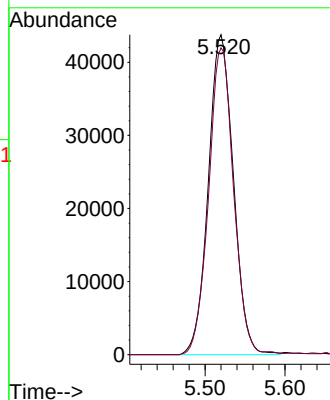
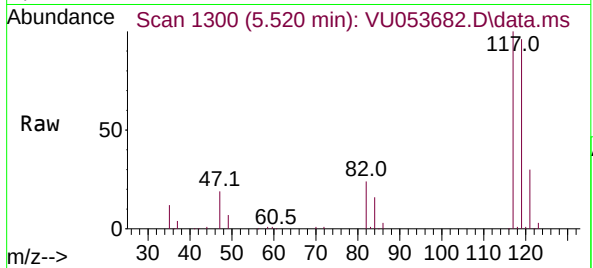




#31
Carbon tetrachloride
Concen: 43.071 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

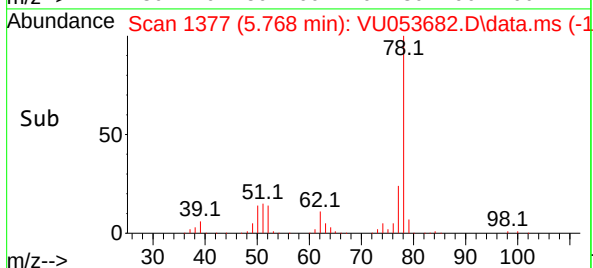
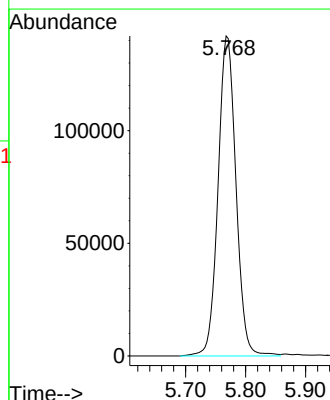
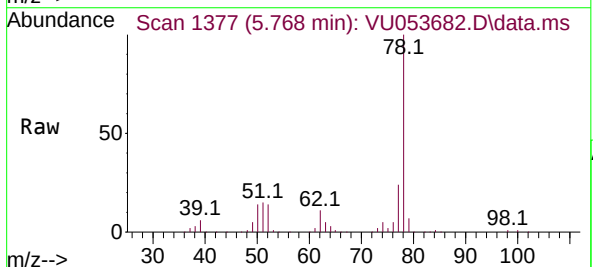
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

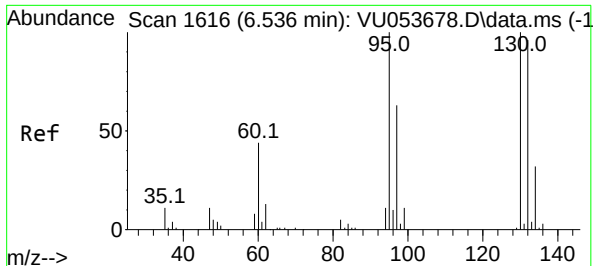
Tgt Ion:117 Resp: 95299
Ion Ratio Lower Upper
117 100
119 95.2 76.9 115.3



#33
Benzene
Concen: 50.305 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 78 Resp: 293751

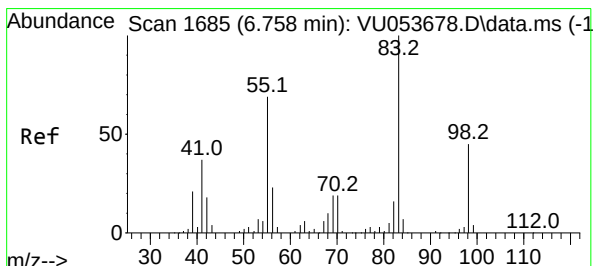
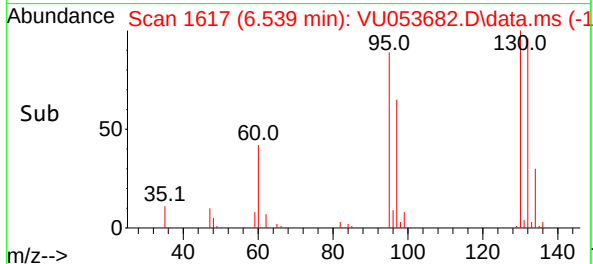
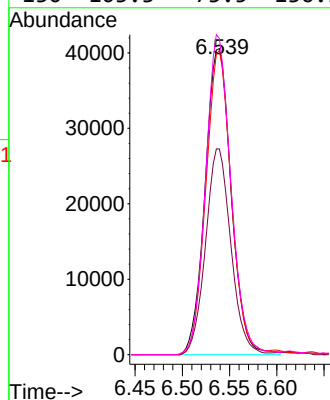
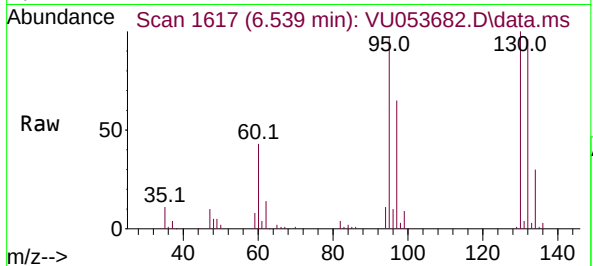




#34
Trichloroethene
Concen: 44.178 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

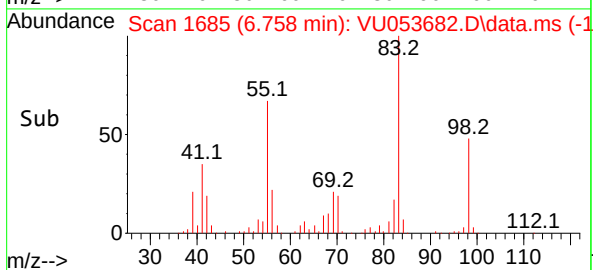
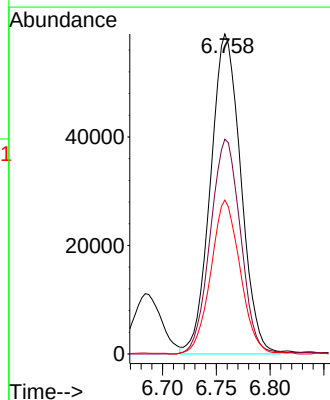
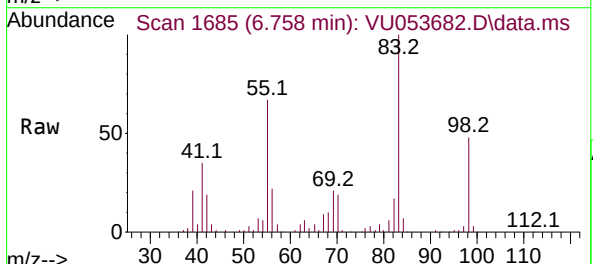
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

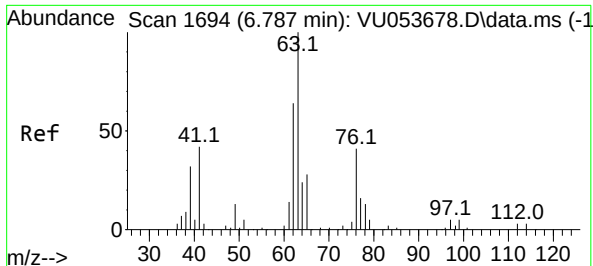
Tgt Ion: 95 Resp: 78024
Ion Ratio Lower Upper
95 100
97 67.2 45.1 83.7
132 99.4 74.1 137.5
130 103.3 73.5 136.5



#35
Methylcyclohexane
Concen: 44.546 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 83 Resp: 115644
Ion Ratio Lower Upper
83 100
55 67.0 53.0 79.6
98 46.6 39.0 58.6

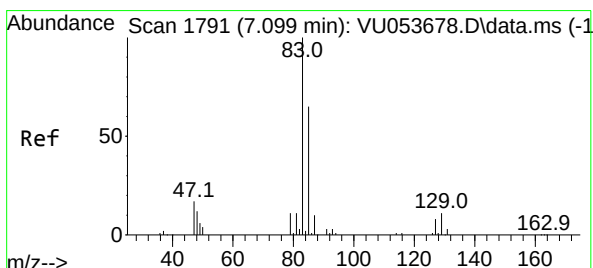
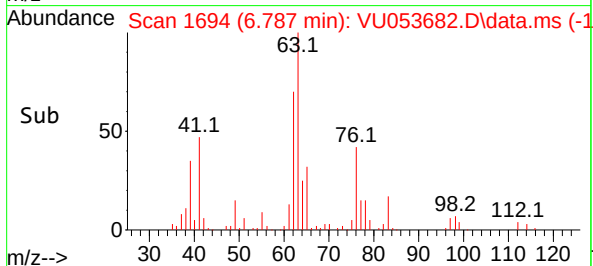
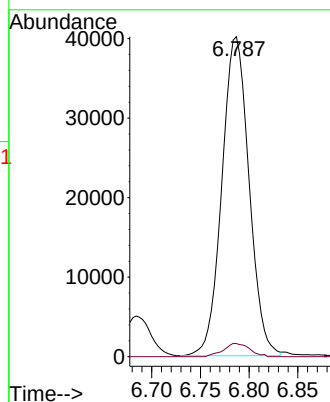
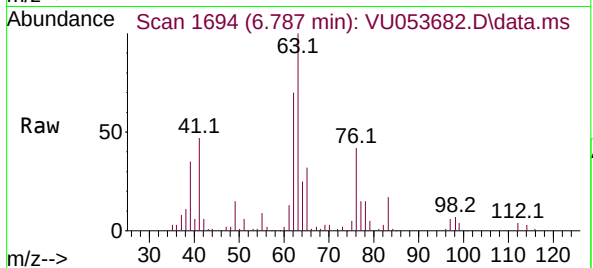




#37
1,2-Dichloropropane
Concen: 52.508 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

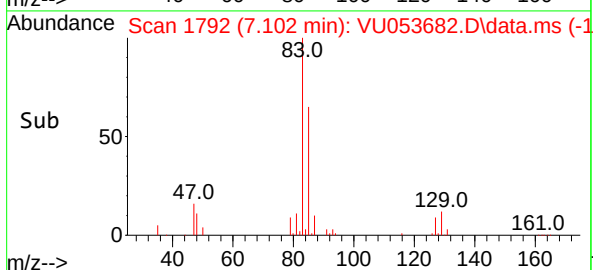
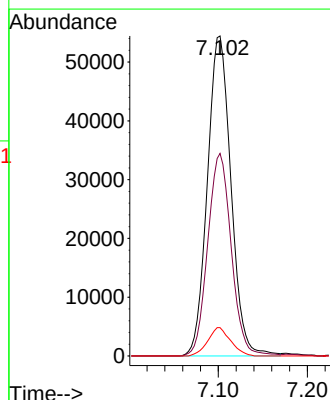
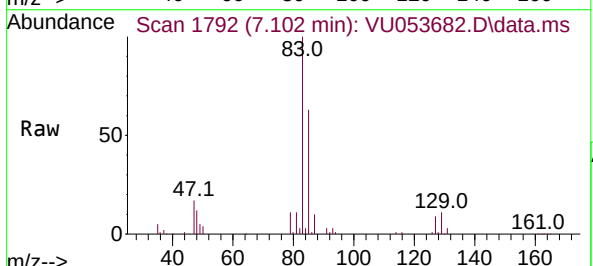
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

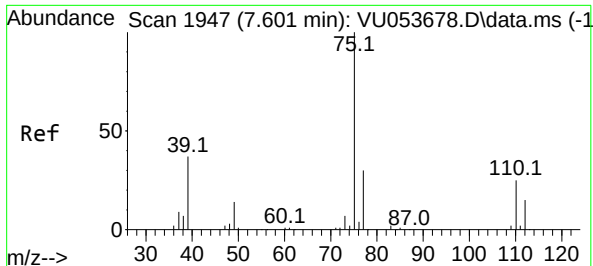
Tgt Ion: 63 Resp: 77854
Ion Ratio Lower Upper
63 100
112 3.9 3.8 5.6



#38
Bromodichloromethane
Concen: 50.743 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 83 Resp: 100371
Ion Ratio Lower Upper
83 100
85 63.3 44.4 82.5
127 8.9 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 52.397 ug/L

RT: 7.603 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

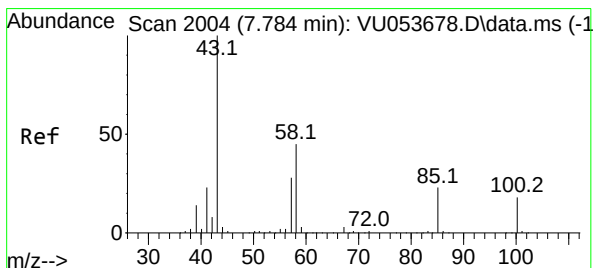
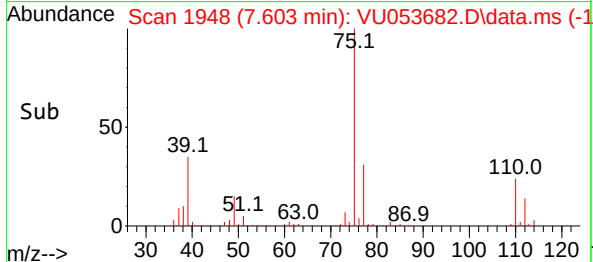
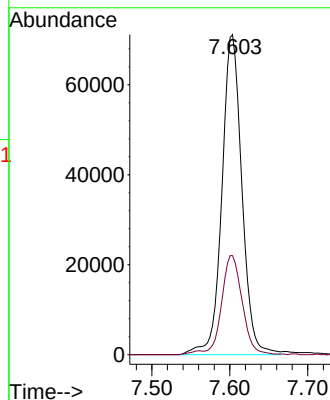
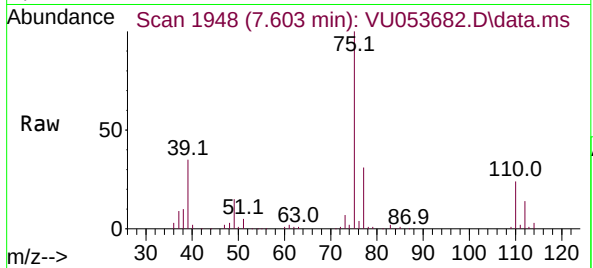
VSTD050199

Tgt Ion: 75 Resp: 126957

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 118.799 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

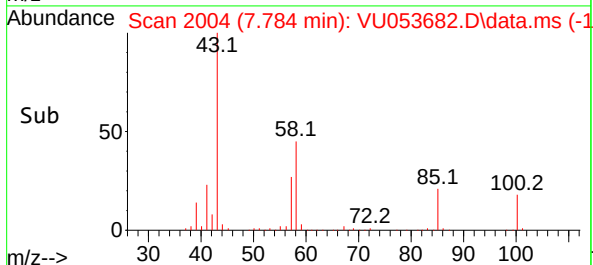
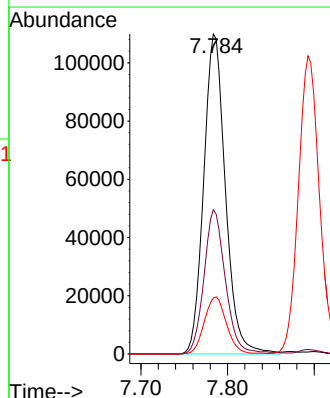
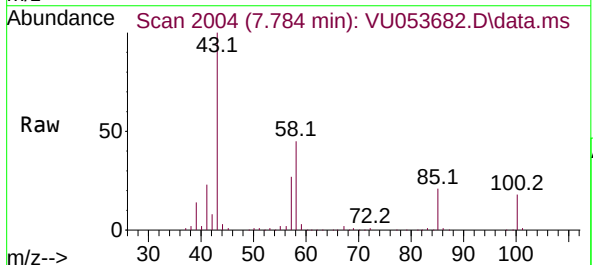
Tgt Ion: 43 Resp: 191417

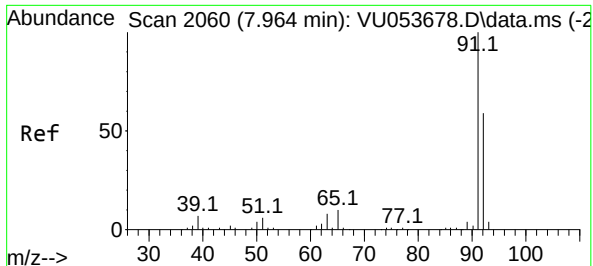
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 18.1 15.8 23.8

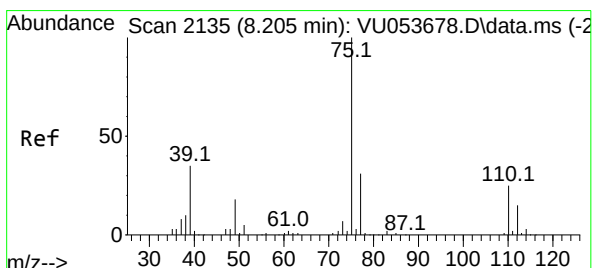
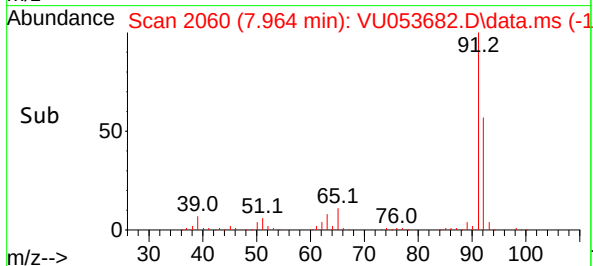
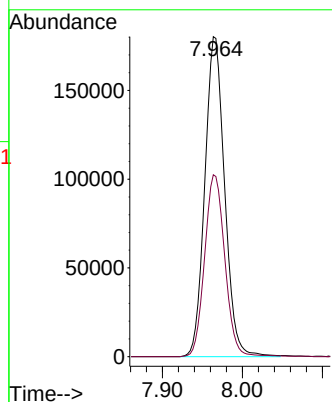
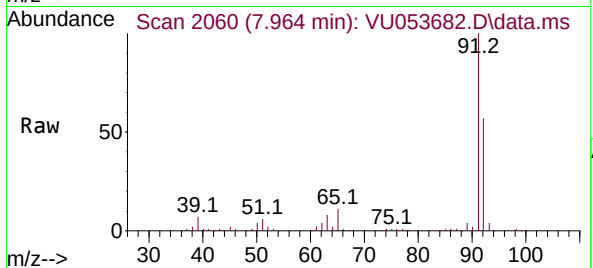




#42
Toluene
Concen: 47.054 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

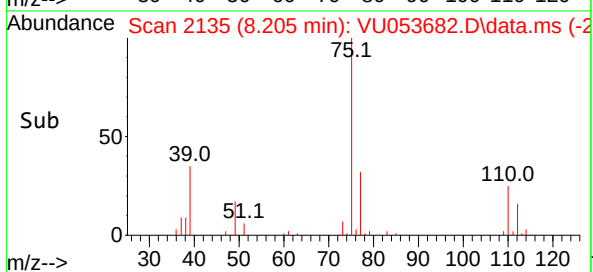
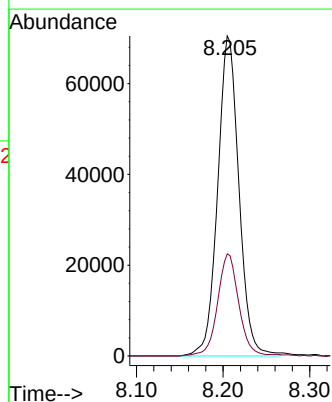
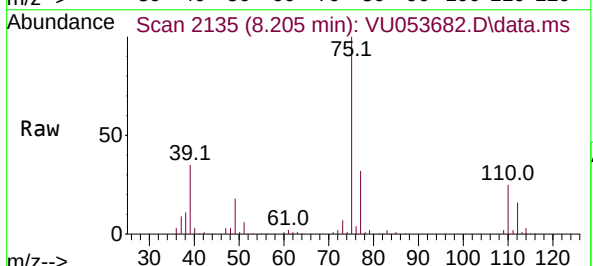
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

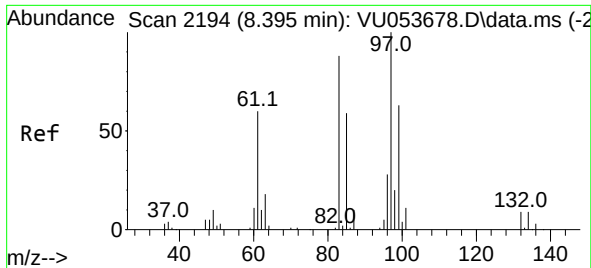
Tgt Ion: 91 Resp: 311379
Ion Ratio Lower Upper
91 100
92 56.9 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 52.429 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 75 Resp: 120091
Ion Ratio Lower Upper
75 100
77 31.9 21.8 40.4

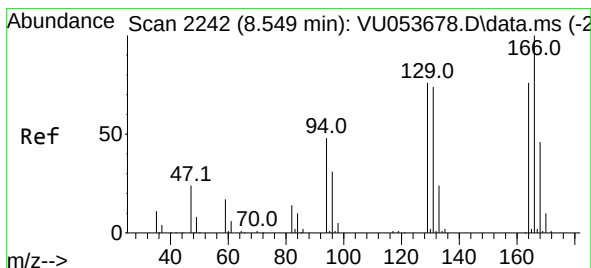
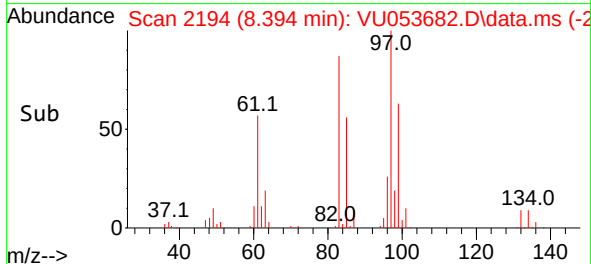
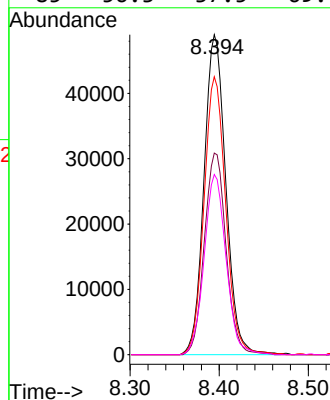
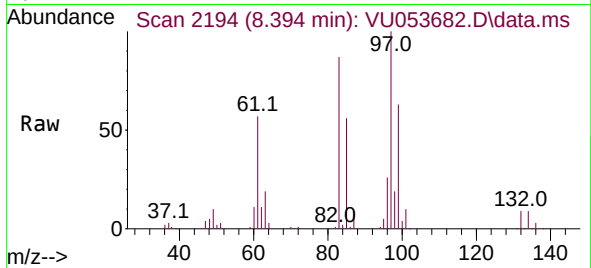




#45
1,1,2-Trichloroethane
Concen: 51.248 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

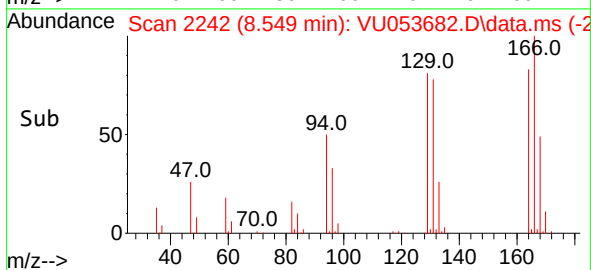
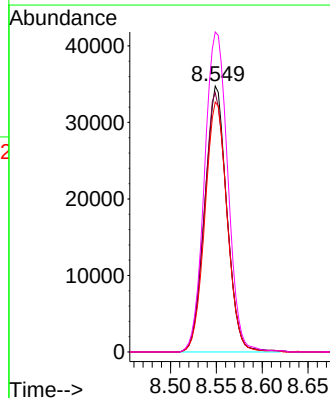
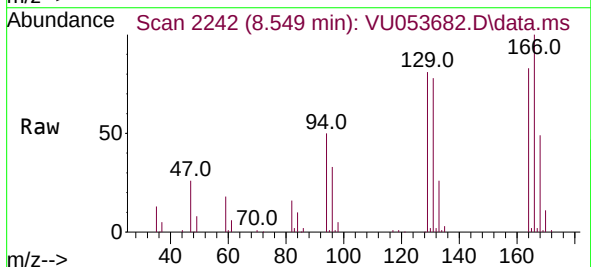
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

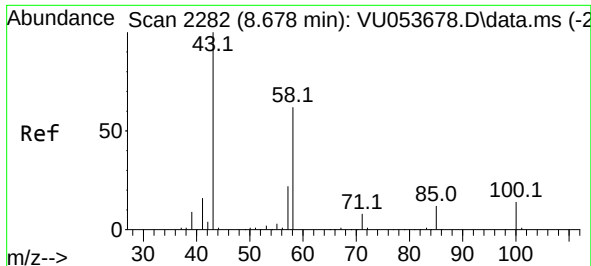
Tgt Ion: 97	Resp: 83428
Ion Ratio	Lower Upper
97 100	
99 63.0	43.8 81.3
83 86.8	59.0 109.6
85 56.3	37.5 69.7



#46
Tetrachloroethene
Concen: 39.695 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt	Ion:164	Resp:	58177
Ion	Ratio	Lower	Upper
164	100		
129	97.5	64.0	119.0
131	94.0	61.9	115.1
166	120.3	90.6	168.2



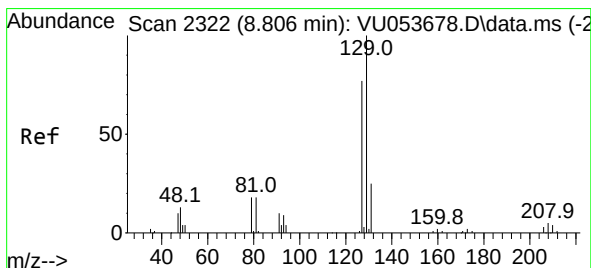
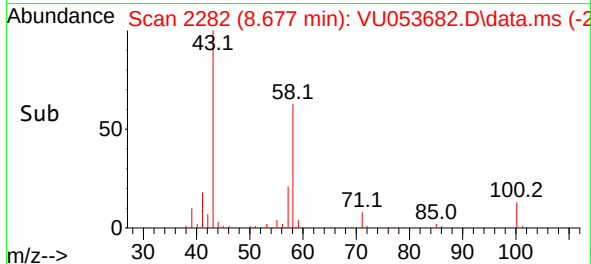
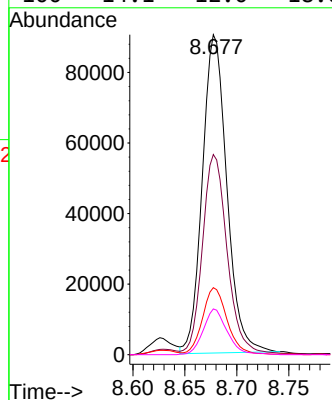
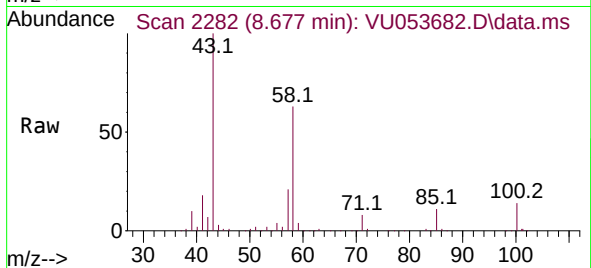


#48
2-Hexanone
Concen: 113.717 ug/L
RT: 8.677 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

Tgt Ion: 43 Resp: 148216

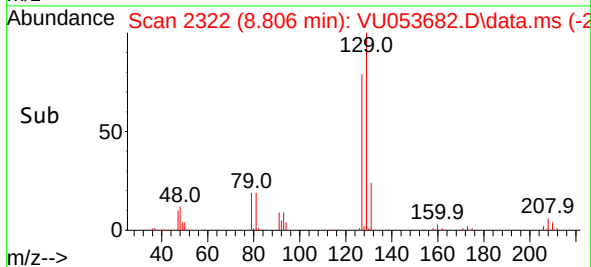
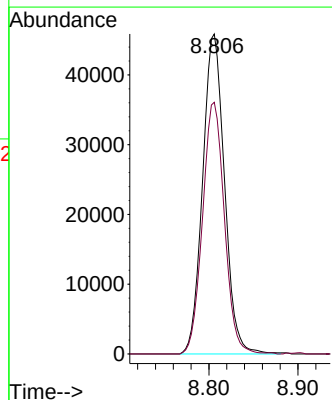
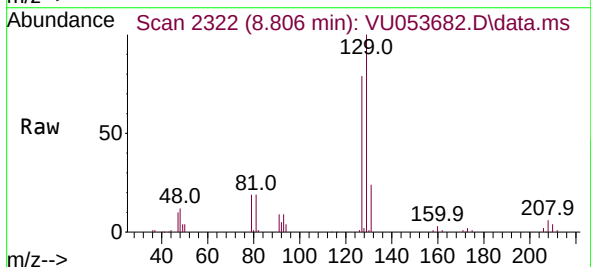
Ion	Ratio	Lower	Upper
43	100		
58	62.7	49.8	74.6
57	21.2	17.8	26.6
100	14.1	12.0	18.0

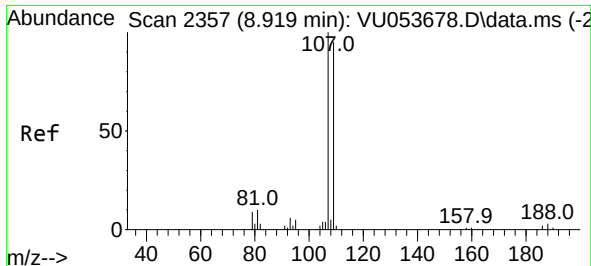


#49
Dibromochloromethane
Concen: 46.243 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 129 Resp: 78276

Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.5	99.3





#50

1,2-Dibromoethane

Concen: 49.597 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050199

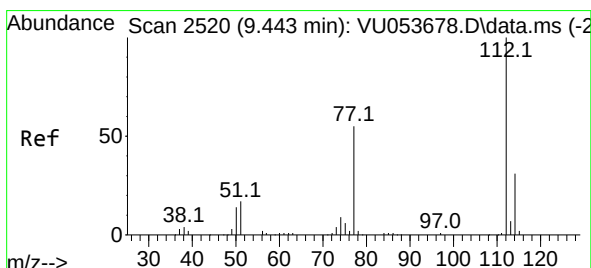
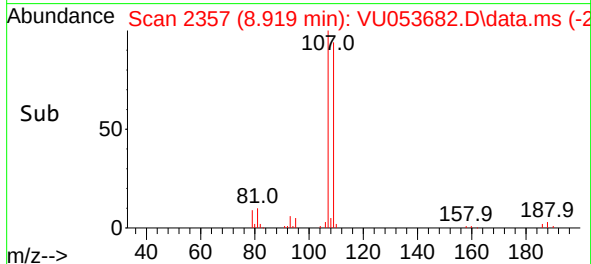
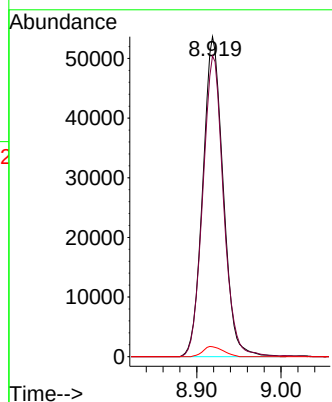
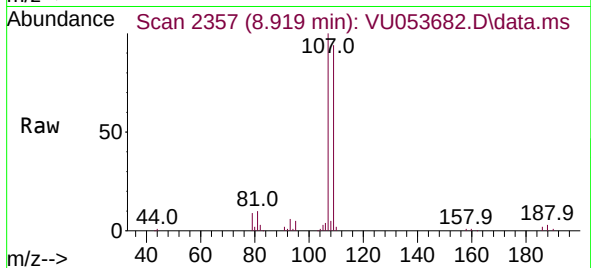
Tgt Ion:107 Resp: 90332

Ion Ratio Lower Upper

107 100

109 94.0 66.3 123.1

188 3.1 3.0 4.4



#51

Chlorobenzene

Concen: 46.769 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

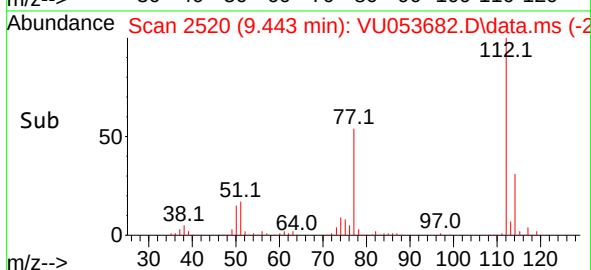
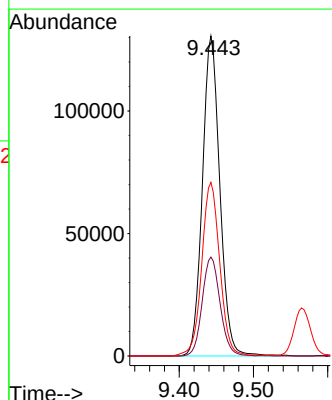
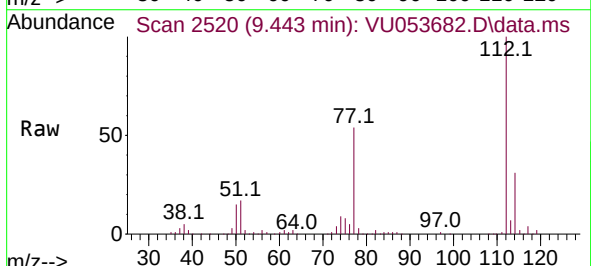
Tgt Ion:112 Resp: 213241

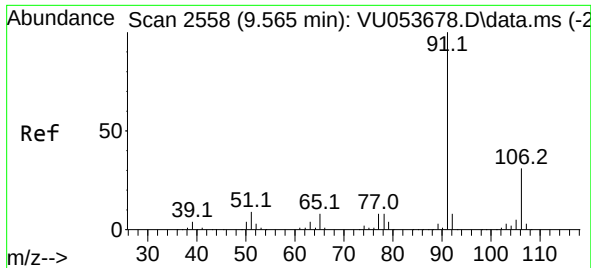
Ion Ratio Lower Upper

112 100

114 30.9 22.2 41.2

77 54.3 41.3 61.9

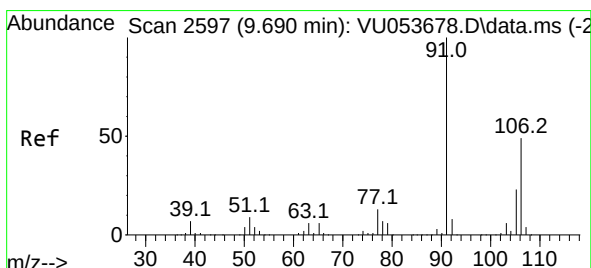
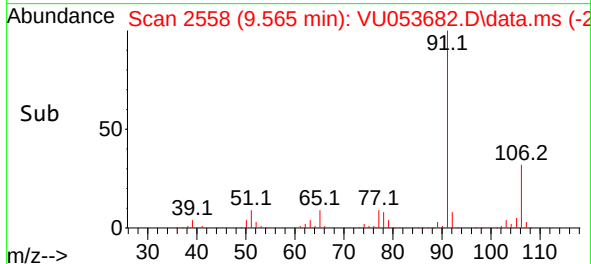
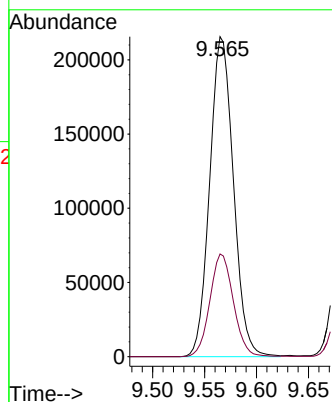
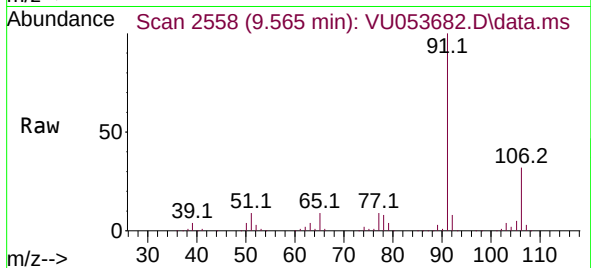




#52
Ethylbenzene
Concen: 46.427 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

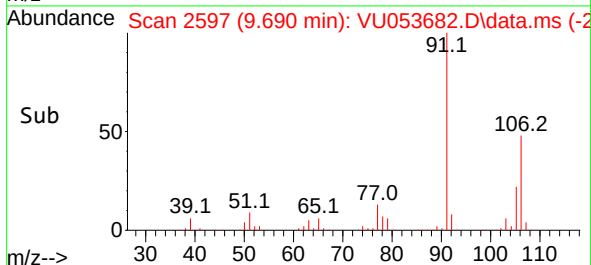
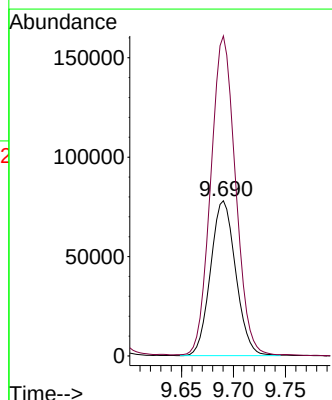
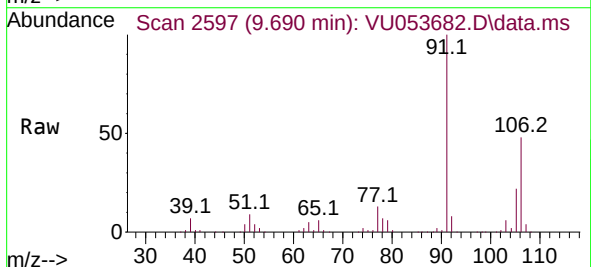
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

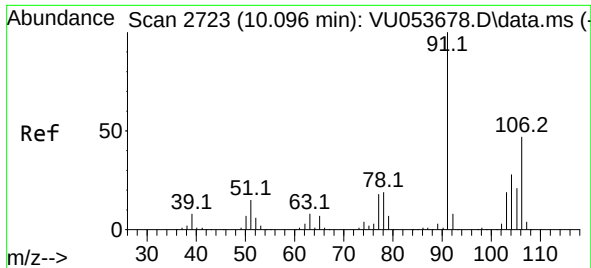
Tgt Ion: 91 Resp: 342008
Ion Ratio Lower Upper
91 100
106 32.1 22.4 41.6



#53
m,p-Xylene
Concen: 45.488 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 106 Resp: 131053
Ion Ratio Lower Upper
106 100
91 206.2 140.0 260.0

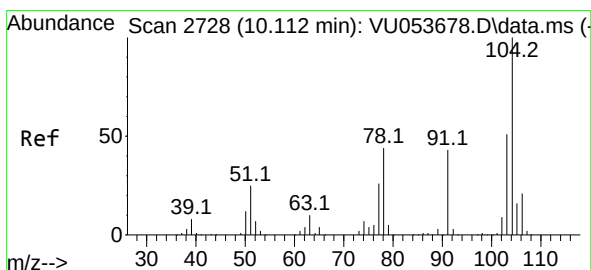
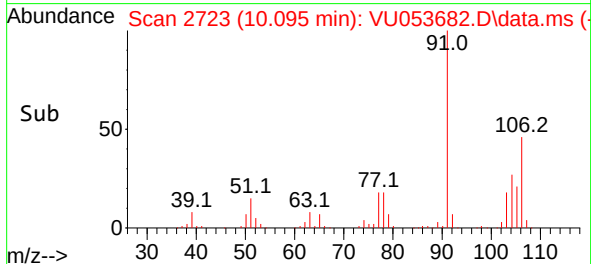
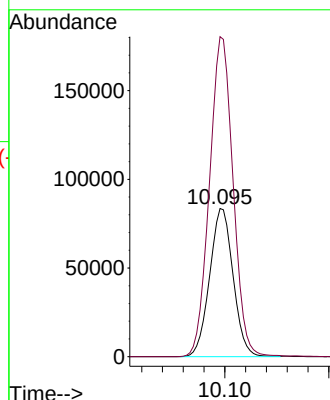
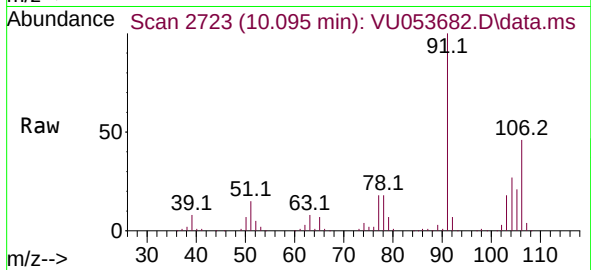




#54
o-Xylene
Concen: 45.990 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

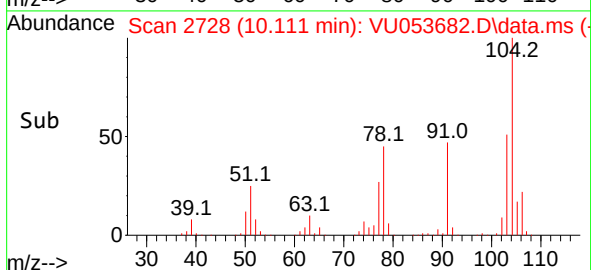
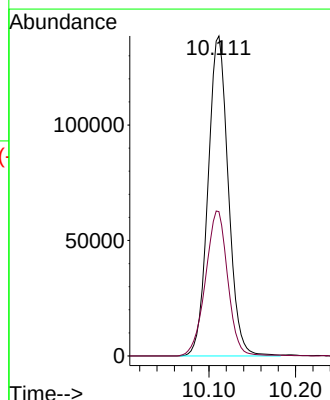
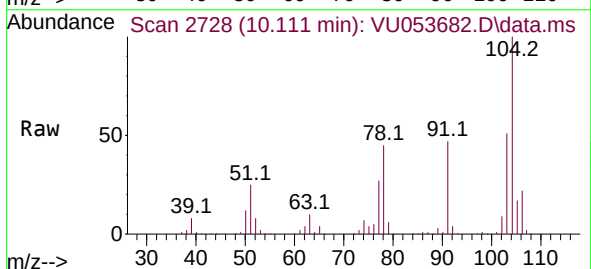
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

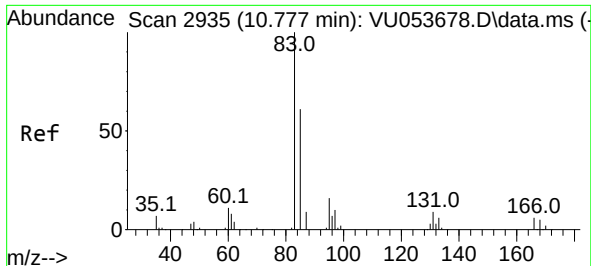
Tgt Ion:106 Resp: 131003
Ion Ratio Lower Upper
106 100
91 216.0 144.9 269.1



#55
Styrene
Concen: 48.493 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion:104 Resp: 224990
Ion Ratio Lower Upper
104 100
78 45.1 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 56.705 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050199

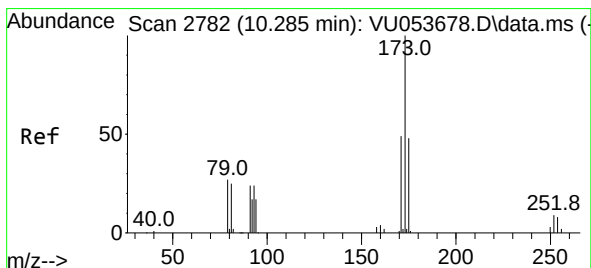
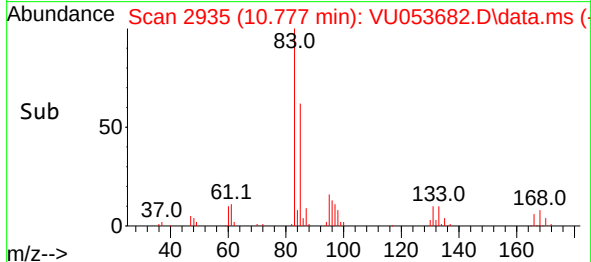
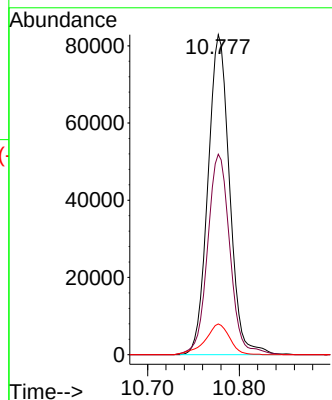
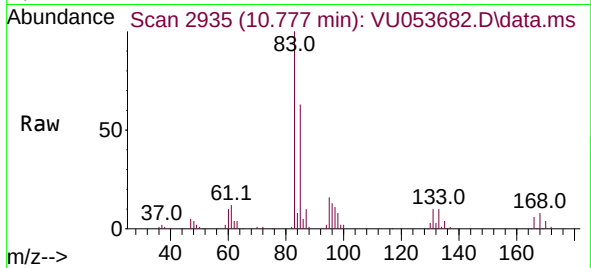
Tgt Ion: 83 Resp: 135534

Ion Ratio Lower Upper

83 100

85 62.7 47.0 87.4

131 9.6 8.7 13.1



#59

Bromoform

Concen: 46.122 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

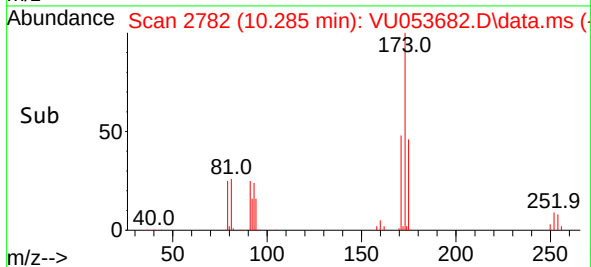
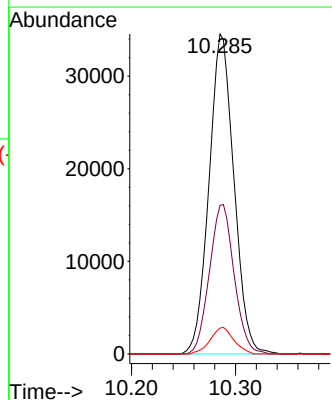
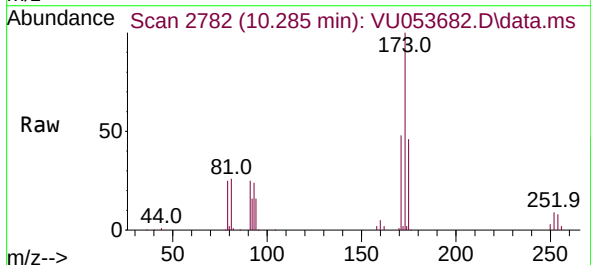
Tgt Ion:173 Resp: 57488

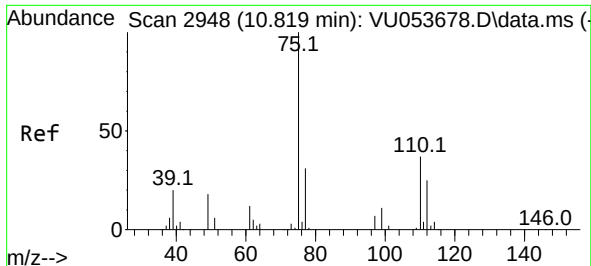
Ion Ratio Lower Upper

173 100

175 46.2 39.0 58.6

254 7.8 7.0 10.4

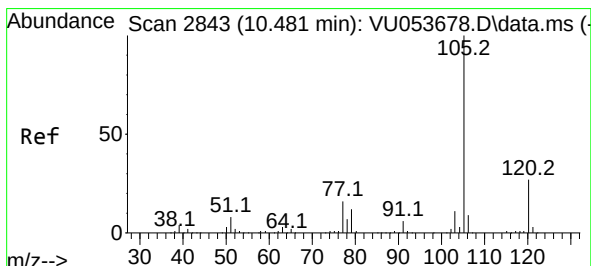
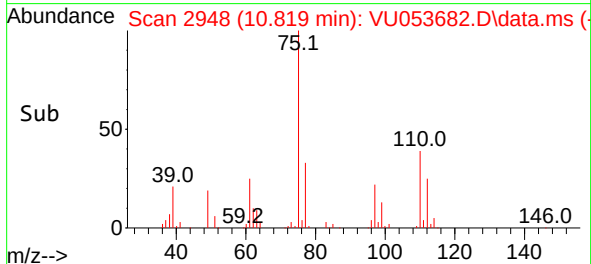
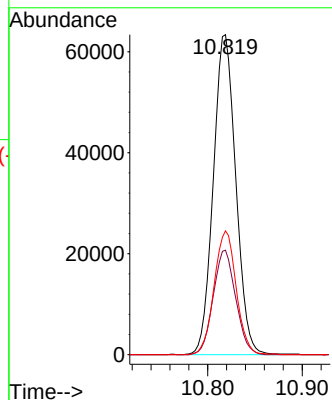
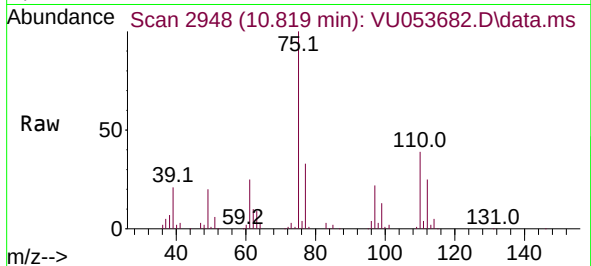




#60
1,2,3-Trichloropropane
Concen: 59.340 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

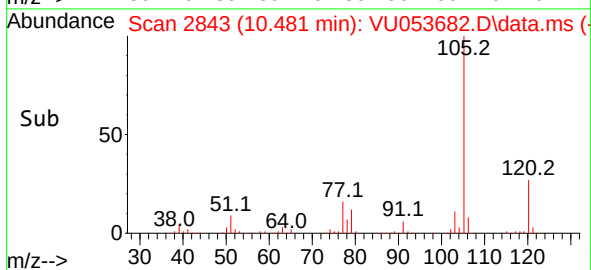
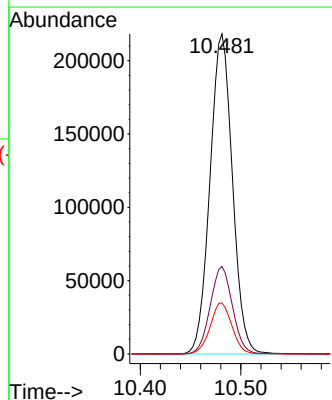
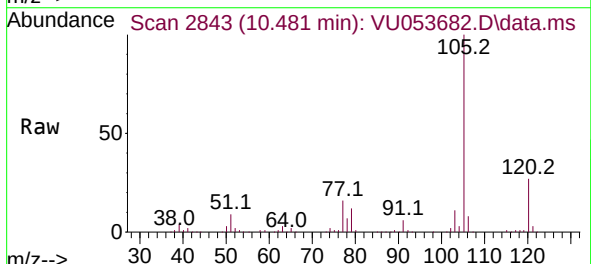
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

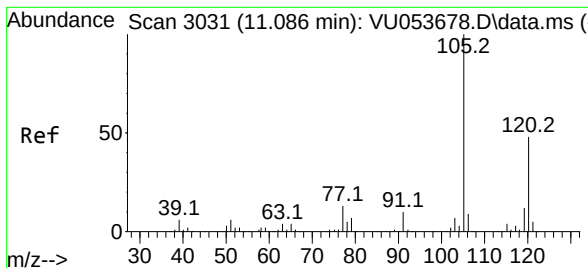
Tgt Ion: 75 Resp: 104777
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 38.0 32.6 48.8



#61
Isopropylbenzene
Concen: 46.987 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 105 Resp: 338290
Ion Ratio Lower Upper
105 100
120 27.1 22.4 33.6
77 15.5 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 47.586 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

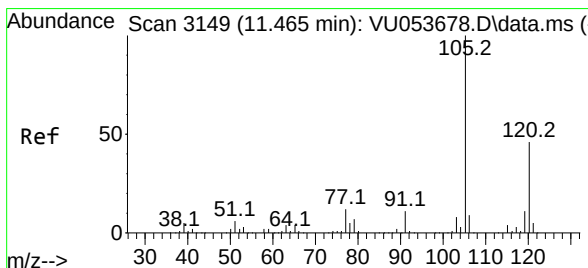
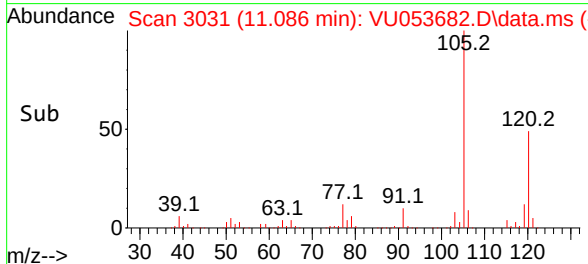
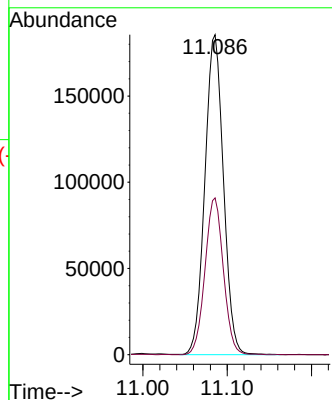
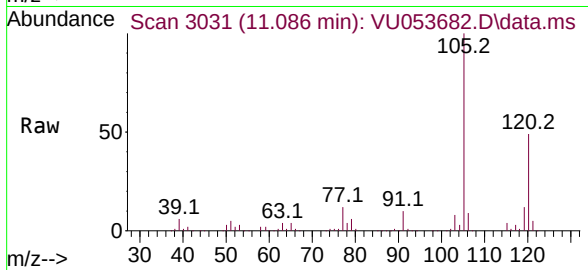
VSTD050199

Tgt Ion:105 Resp: 284803

Ion Ratio Lower Upper

105 100

120 48.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 48.187 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053682.D

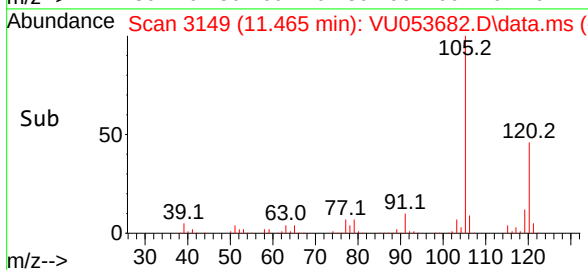
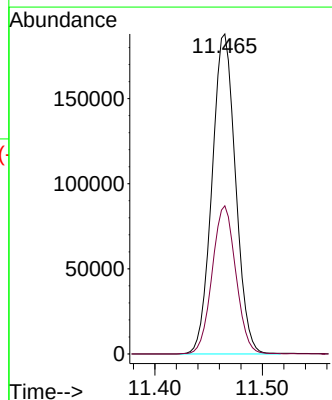
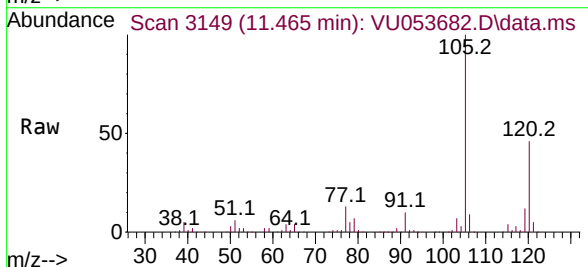
Acq: 13 Apr 2023 13:05

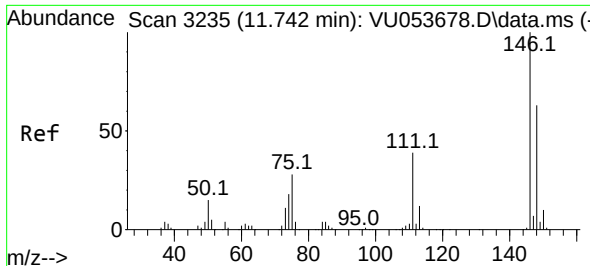
Tgt Ion:105 Resp: 285643

Ion Ratio Lower Upper

105 100

120 46.6 37.5 56.3

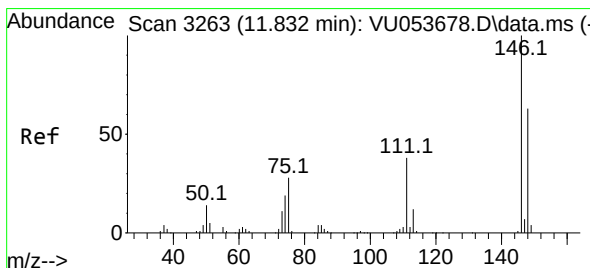
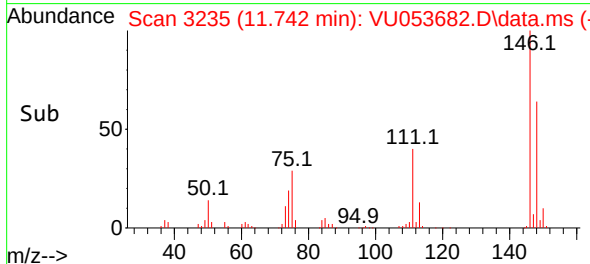
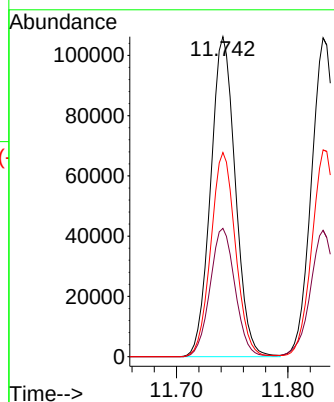
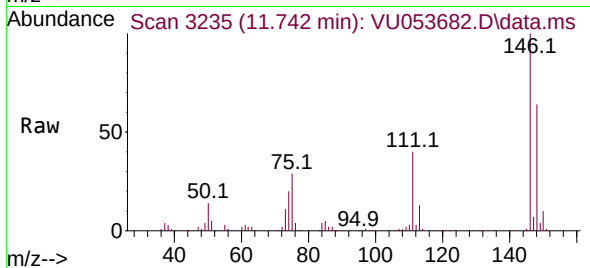




#64
1,3-Dichlorobenzene
Concen: 43.506 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

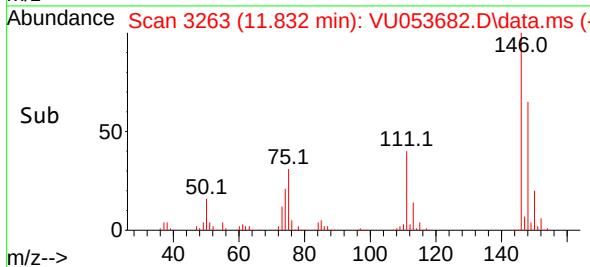
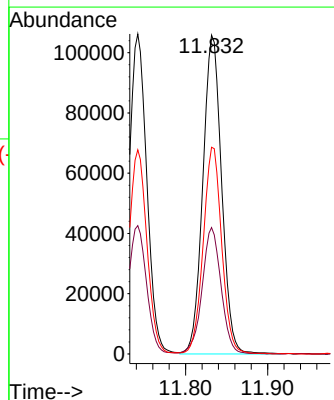
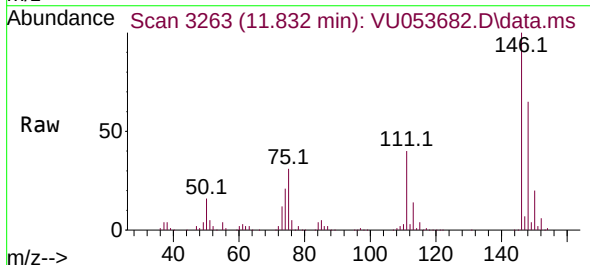
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

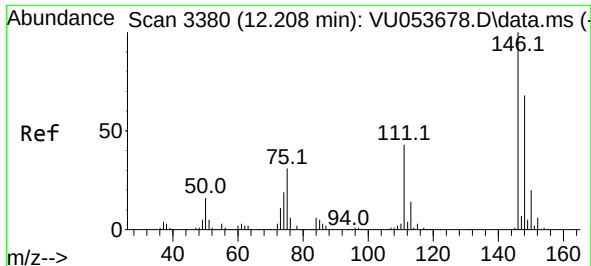
Tgt Ion:146 Resp: 163672
Ion Ratio Lower Upper
146 100
111 40.1 25.7 47.7
148 63.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 43.864 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion:146 Resp: 168182
Ion Ratio Lower Upper
146 100
111 39.7 25.1 46.5
148 64.8 44.3 82.3

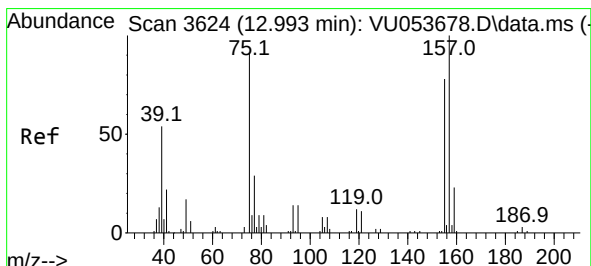
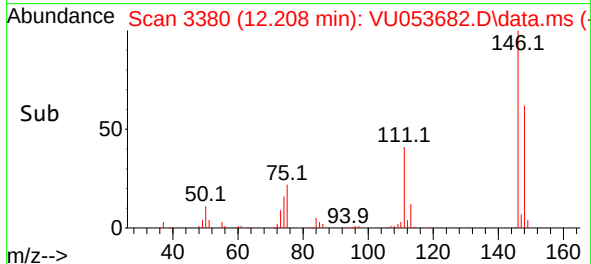
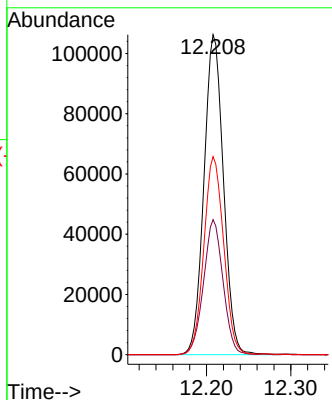
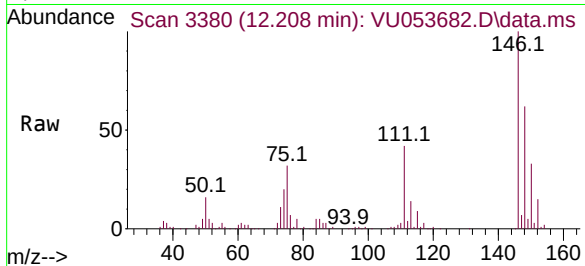




#67
1,2-Dichlorobenzene
Concen: 45.648 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

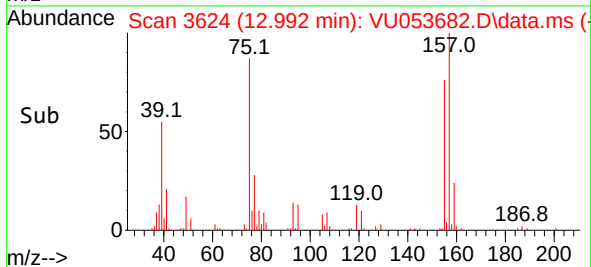
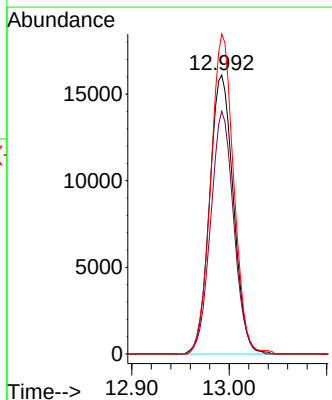
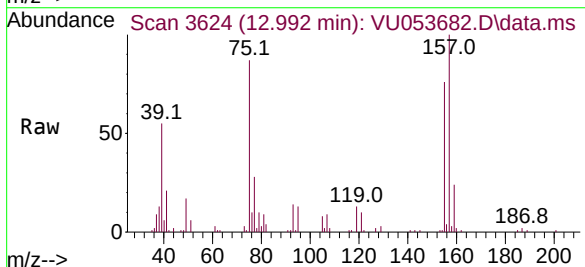
Instrument :
MSVOA_U
ClientSampleId :
VSTD050199

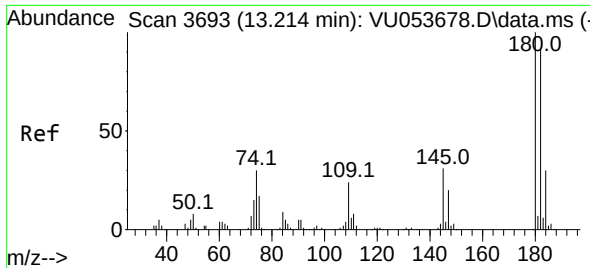
Tgt Ion:146 Resp: 171154
Ion Ratio Lower Upper
146 100
111 42.2 31.5 47.3
148 61.9 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 57.908 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU053682.D
Acq: 13 Apr 2023 13:05

Tgt Ion: 75 Resp: 27258
Ion Ratio Lower Upper
75 100
155 87.0 79.9 119.9
157 114.7 100.8 151.2

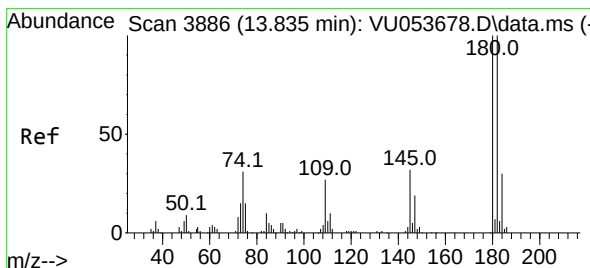
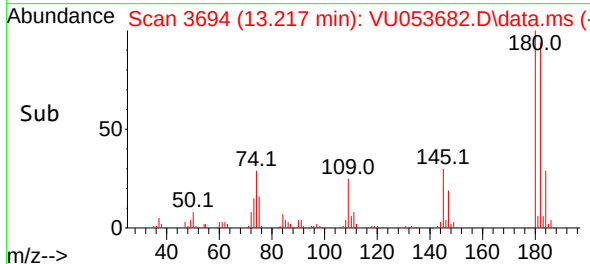
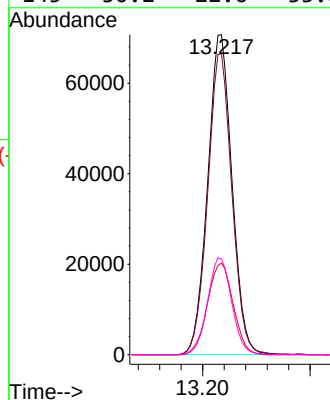
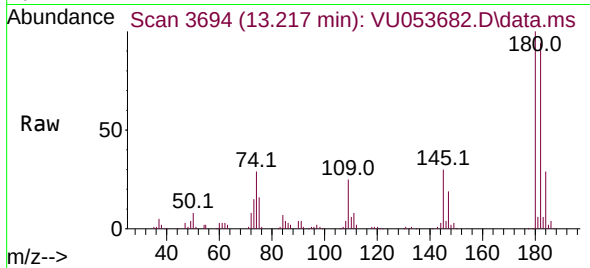




#69
 1,3,5-Trichlorobenzene
 Concen: 39.865 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VU053682.D
 Acq: 13 Apr 2023 13:05

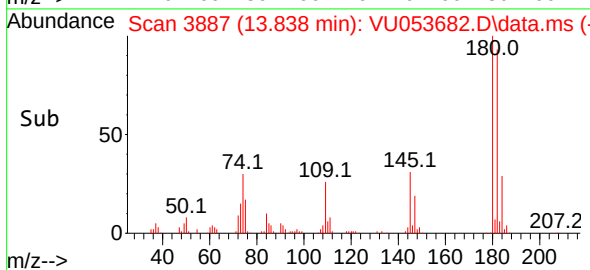
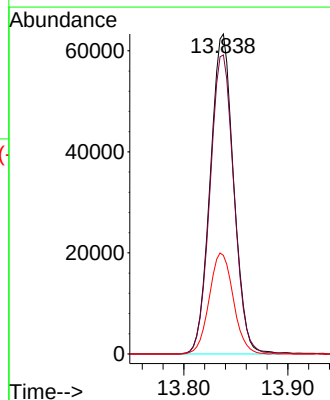
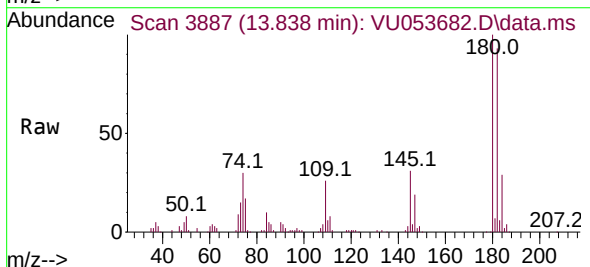
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050199

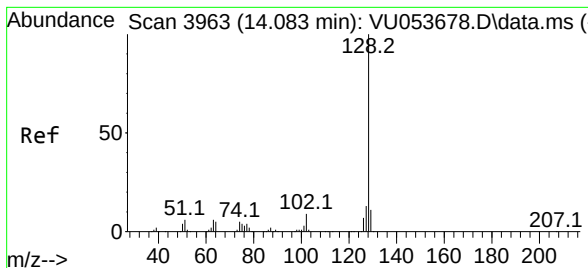
Tgt Ion:180 Resp: 111058
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.6 113.4
 184 30.0 24.2 36.2
 145 30.2 22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 38.387 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053682.D
 Acq: 13 Apr 2023 13:05

Tgt Ion:180 Resp: 99150
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.8
 145 32.4 23.4 35.2





#71

Naphthalene

Concen: 45.493 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD050199

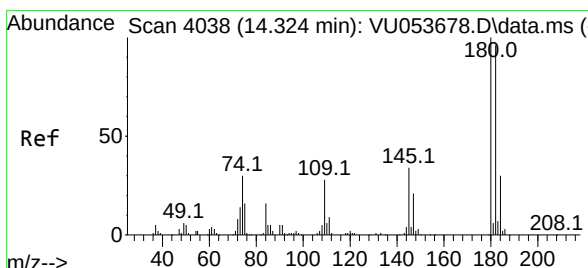
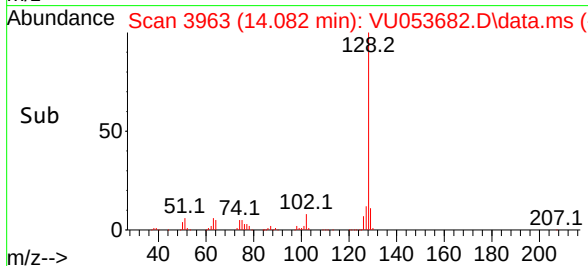
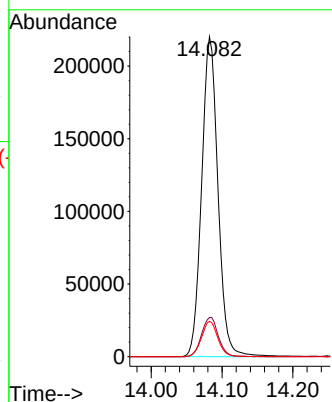
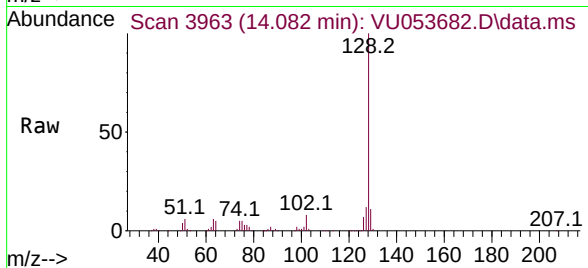
Tgt Ion:128 Resp: 351707

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 40.709 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053682.D

Acq: 13 Apr 2023 13:05

Tgt Ion:180 Resp: 105021

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 32.4 25.4 38.0

