

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041223\
 Data File : VU053654.D
 Acq On : 12 Apr 2023 09:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195

Quant Time: Apr 13 01:37:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237539	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	122934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71486	38.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.300%
7) Chloroethane-d5	1.906	69	64279	45.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.140%
11) 1,1-Dichloroethene-d2	2.565	63	124010	43.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.620%
21) 2-Butanone-d5	4.613	46	98458	117.572	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.570%
24) Chloroform-d	5.057	84	145485	47.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
26) 1,2-Dichloroethane-d4	5.697	65	91002	50.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
32) Benzene-d6	5.722	84	278440	45.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.380%
36) 1,2-Dichloropropane-d6	6.684	67	90228	48.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.880%
41) Toluene-d8	7.893	98	265172	43.784	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.560%
43) trans-1,3-Dichloroprop...	8.176	79	42567	44.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
47) 2-Hexanone-d5	8.626	63	72981	114.813	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.810%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	137745	52.472	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	111791	43.565	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	94951	49.249	ug/L	99
3) Chloromethane	1.520	50	90924	57.393	ug/L	98
5) Vinyl chloride	1.604	62	107961	58.802	ug/L	99
6) Bromomethane	1.848	94	68927	51.595	ug/L	100
8) Chloroethane	1.928	64	65646	59.448	ug/L	97
9) Trichlorofluoromethane	2.134	101	152558	54.023	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	84543	51.693	ug/L	92
12) 1,1-Dichloroethene	2.578	96	72918	50.028	ug/L	94
13) Acetone	2.620	43	68822	91.446	ug/L	98
14) Carbon disulfide	2.790	76	194306	50.395	ug/L	97
15) Methyl Acetate	2.941	43	67851	58.860	ug/L	96
16) Methylene chloride	3.041	84	104540	63.811	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	74440	50.818	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	232775	54.518	ug/L	100
19) 1,1-Dichloroethane	3.864	63	138319	57.003	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	86331	51.024	ug/L	88
22) 2-Butanone	4.694	43	96275	105.592	ug/L	98
23) Bromochloromethane	4.970	128	45865	48.665	ug/L	94
25) Chloroform	5.083	83	152185	54.681	ug/L	98

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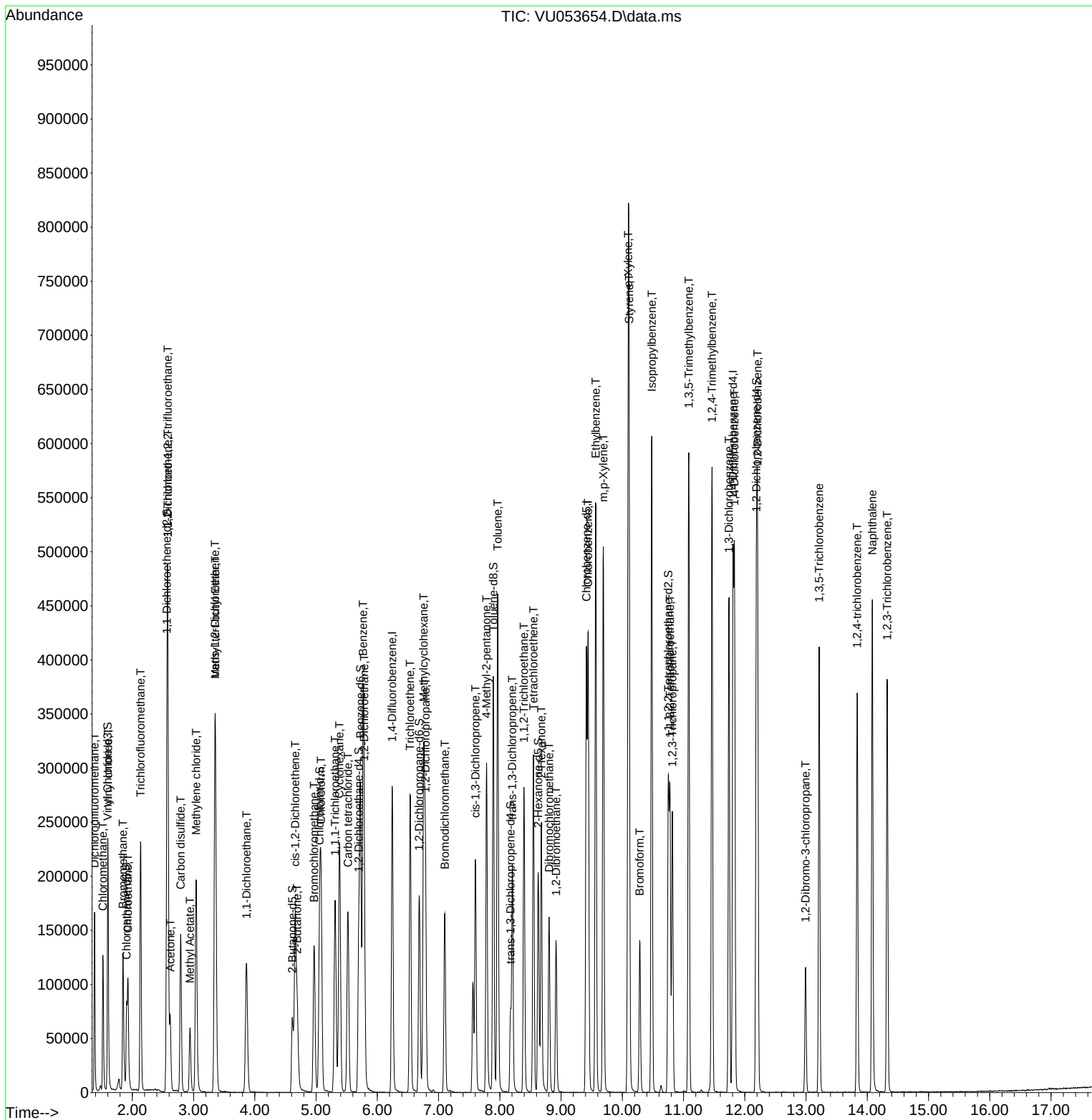
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195

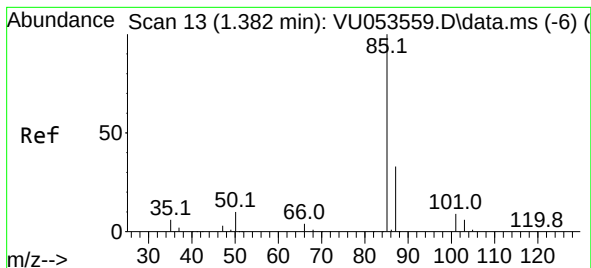
Quant Time: Apr 13 01:37:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	111555	54.732	ug/L	98
29) Cyclohexane	5.382	56	115798	53.284	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	128786	51.774	ug/L	96
31) Carbon tetrachloride	5.520	117	112164	50.329	ug/L	100
33) Benzene	5.767	78	320270	54.452	ug/L	100
34) Trichloroethene	6.536	95	89802	50.481	ug/L	96
35) Methylcyclohexane	6.758	83	131801	50.404	ug/L	97
37) 1,2-Dichloropropane	6.787	63	83853	56.147	ug/L #	91
38) Bromodichloromethane	7.102	83	107565	53.989	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	123893	50.765	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	186923	115.176	ug/L	98
42) Toluene	7.967	91	349788	52.478	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	121894	52.833	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	88546	54.001	ug/L	97
46) Tetrachloroethene	8.549	164	68131	46.153	ug/L	96
48) 2-Hexanone	8.677	43	144387	109.983	ug/L	99
49) Dibromochloromethane	8.806	129	84309	49.449	ug/L	100
50) 1,2-Dibromoethane	8.918	107	92588	50.471	ug/L	99
51) Chlorobenzene	9.443	112	232891	50.711	ug/L	98
52) Ethylbenzene	9.565	91	389440	52.486	ug/L	98
53) m,p-Xylene	9.690	106	153339	52.841	ug/L	98
54) o-Xylene	10.095	106	148711	51.832	ug/L	97
55) Styrene	10.111	104	250410	53.584	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	136583	56.733	ug/L	98
59) Bromoform	10.285	173	61406	48.801	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	106162	59.558	ug/L	99
61) Isopropylbenzene	10.481	105	393821	54.184	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	326326	54.010	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	326202	54.510	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	186769	49.178	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	192437	49.716	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	187979	49.663	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27704	58.301	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	126284	44.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	111547	42.780	ug/L	98
71) Naphthalene	14.082	128	367354	47.069	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	114704	44.043	ug/L	98

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

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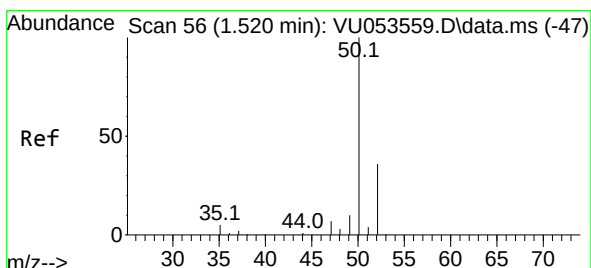
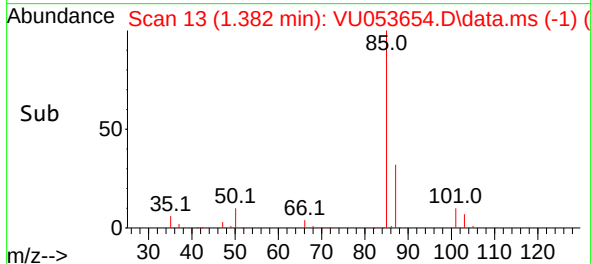
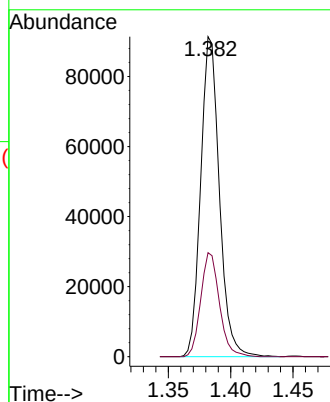
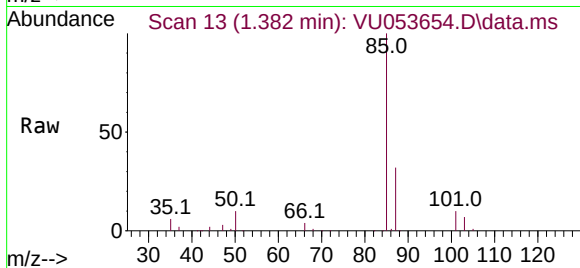




#2
Dichlorodifluoromethane
Concen: 49.249 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

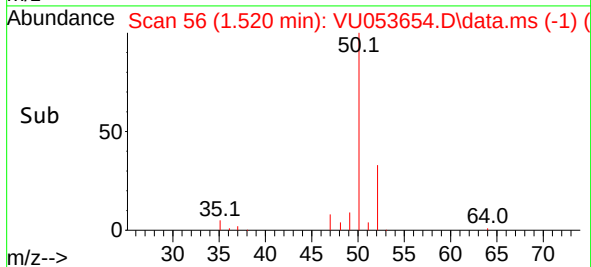
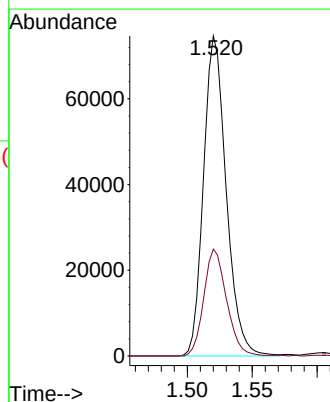
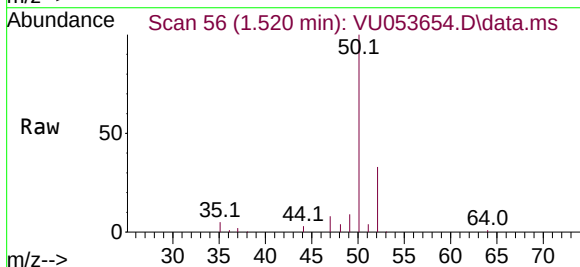
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

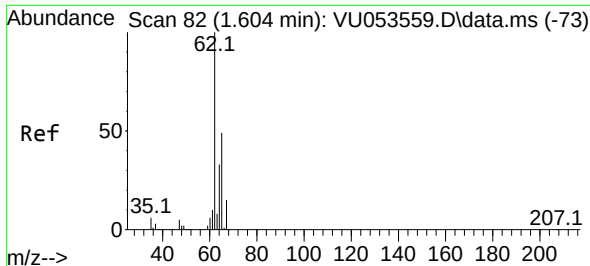
Tgt Ion: 85 Resp: 94951
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 57.393 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 50 Resp: 90924
Ion Ratio Lower Upper
50 100
52 33.4 22.7 42.1

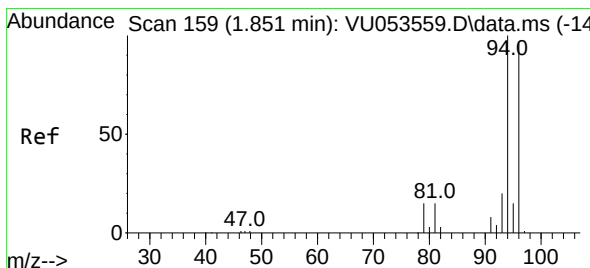
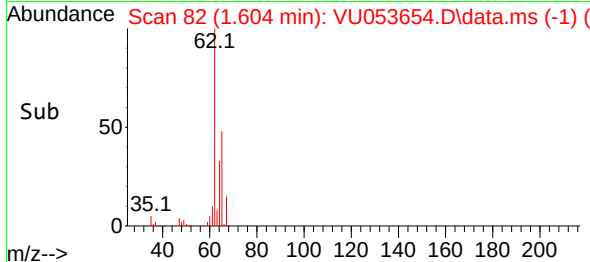
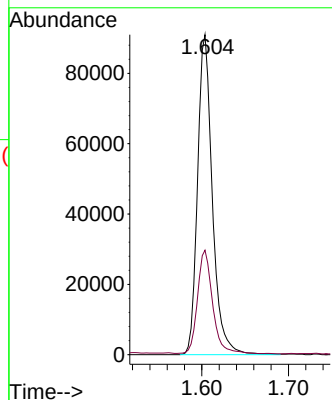
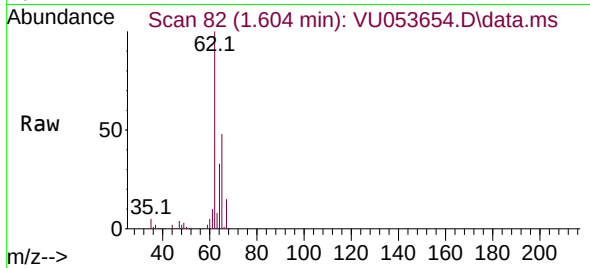




#5
 Vinyl chloride
 Concen: 58.802 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27

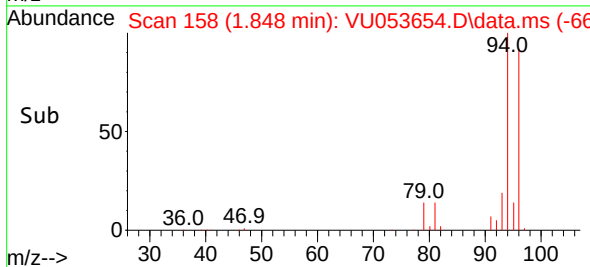
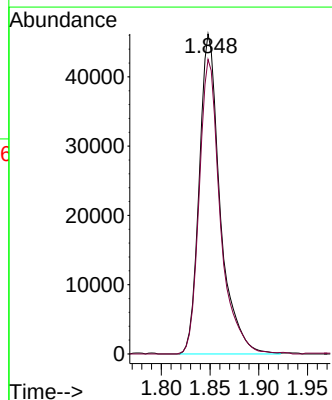
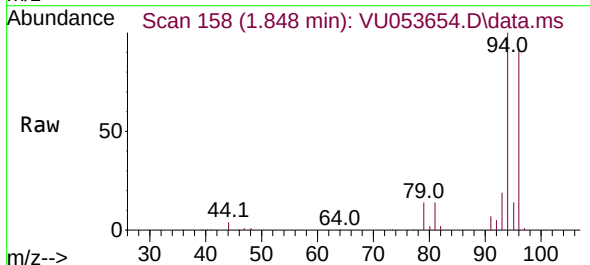
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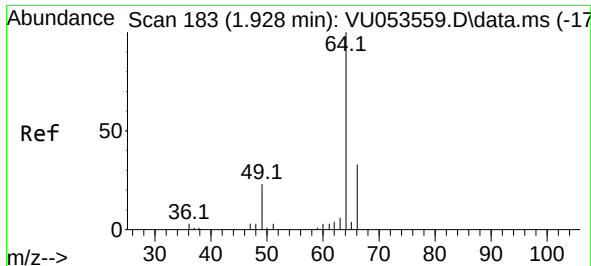
Tgt Ion: 62 Resp: 107961
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 51.595 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27

Tgt Ion: 94 Resp: 68927
 Ion Ratio Lower Upper
 94 100
 96 92.1 64.4 119.6

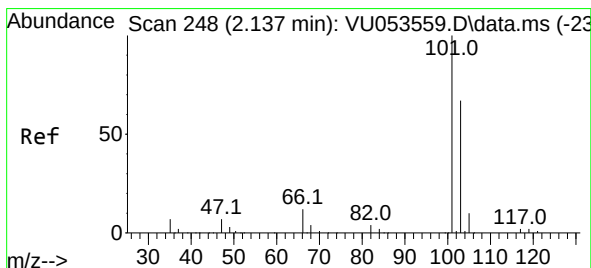
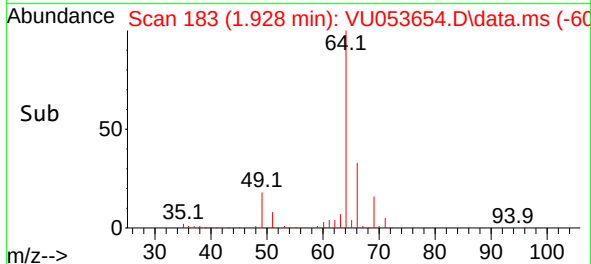
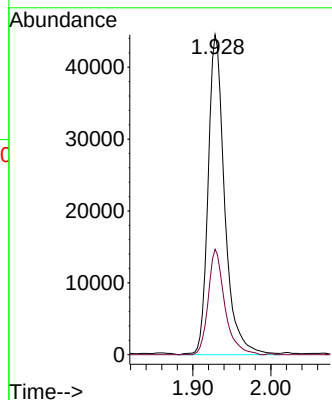
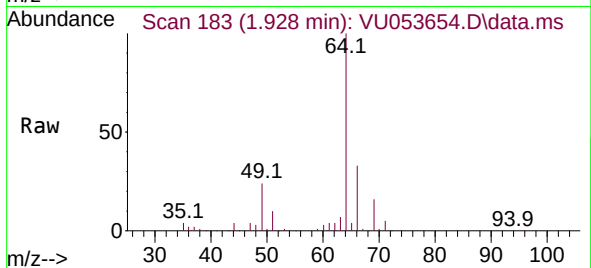




#8
Chloroethane
Concen: 59.448 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

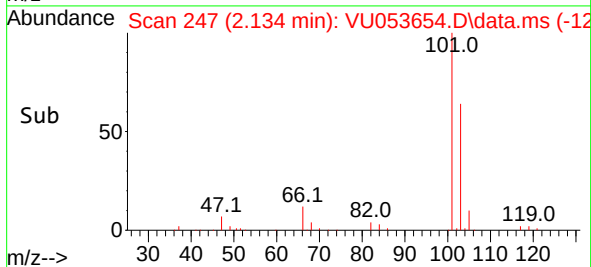
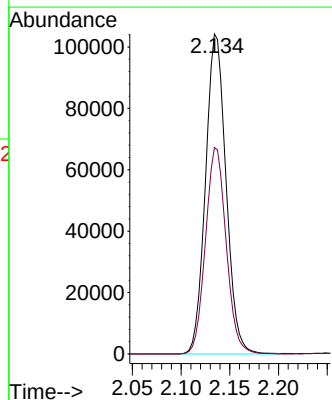
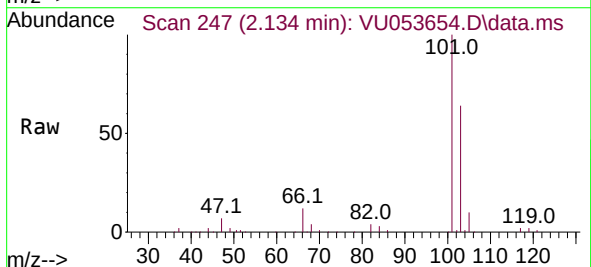
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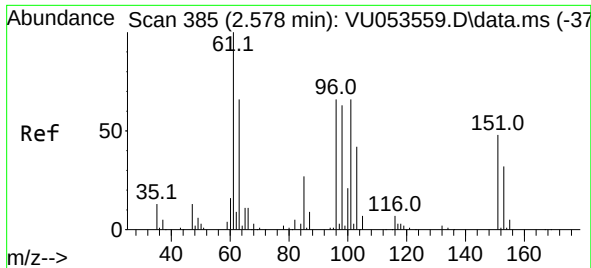
Tgt Ion: 64 Resp: 65646
Ion Ratio Lower Upper
64 100
66 33.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 54.023 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion:101 Resp: 152558
Ion Ratio Lower Upper
101 100
103 65.1 52.5 78.7

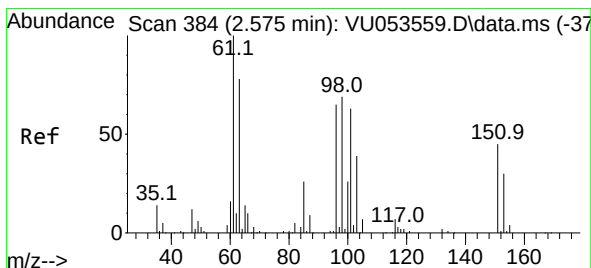
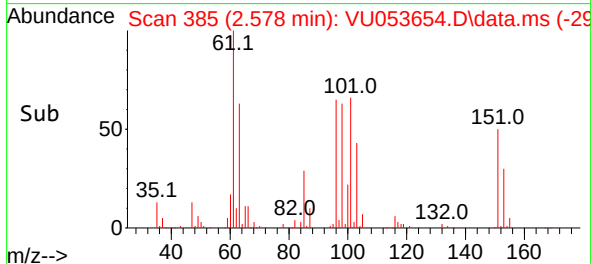
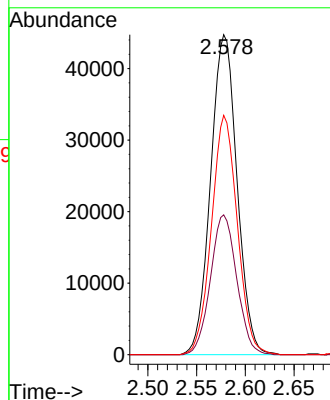
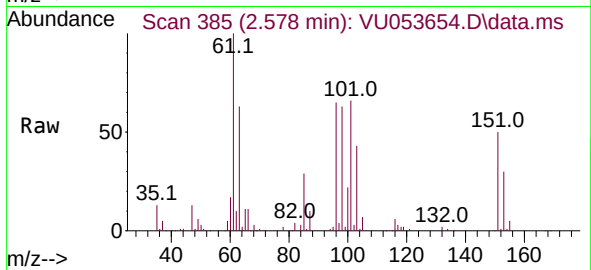




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.693 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27

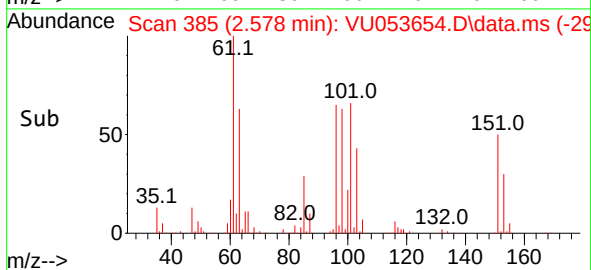
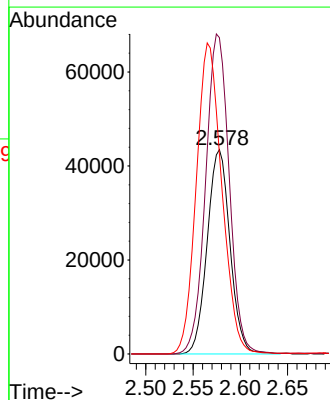
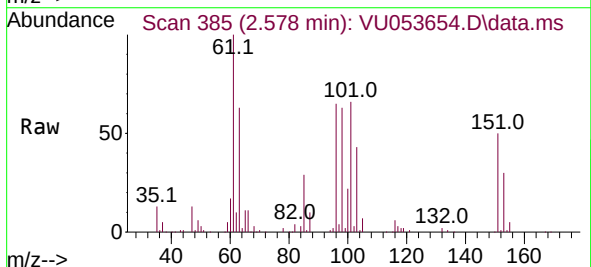
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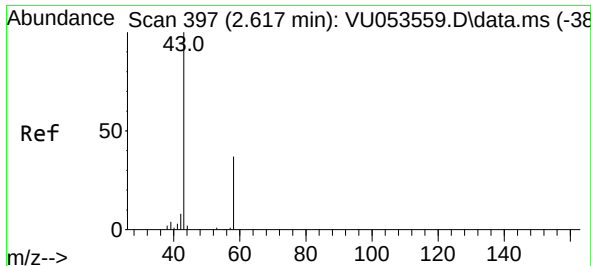
Tgt Ion:101 Resp: 84543
 Ion Ratio Lower Upper
 101 100
 85 43.4 32.6 48.8
 151 73.1 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 50.028 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27

Tgt Ion: 96 Resp: 72918
 Ion Ratio Lower Upper
 96 100
 61 154.8 107.9 200.5
 63 98.0 79.1 146.9





#13

Acetone

Concen: 91.446 ug/L

RT: 2.620 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

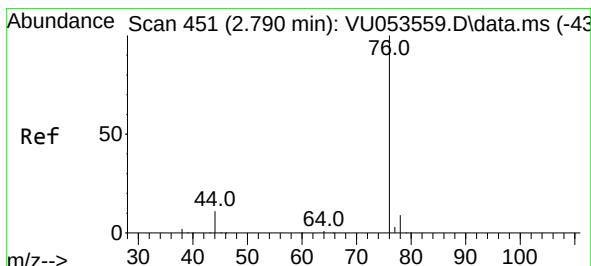
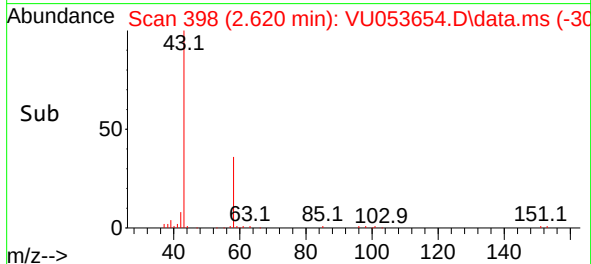
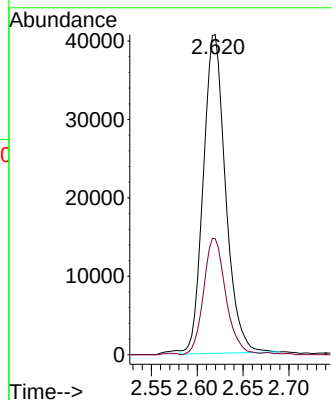
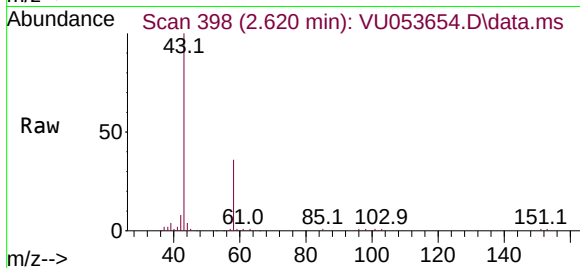
VSTD050195

Tgt Ion: 43 Resp: 68822

Ion Ratio Lower Upper

43 100

58 36.5 0.0 70.2



#14

Carbon disulfide

Concen: 50.395 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053654.D

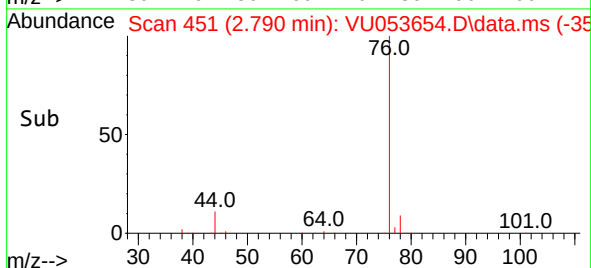
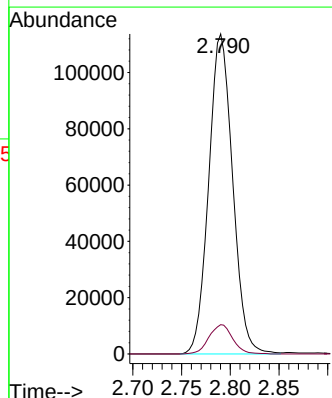
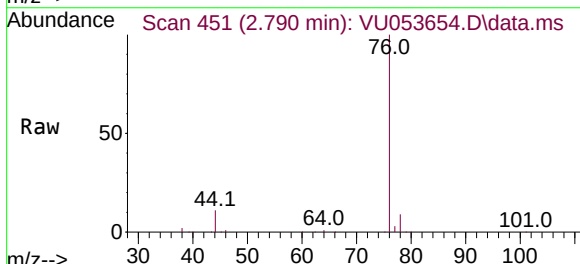
Acq: 12 Apr 2023 09:27

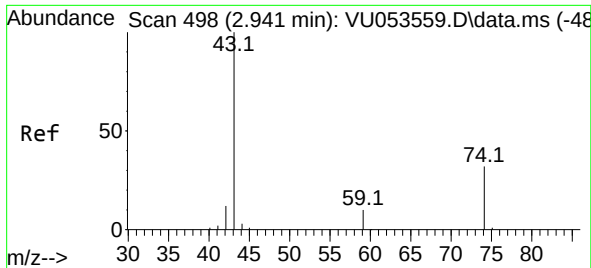
Tgt Ion: 76 Resp: 194306

Ion Ratio Lower Upper

76 100

78 9.1 8.2 12.2

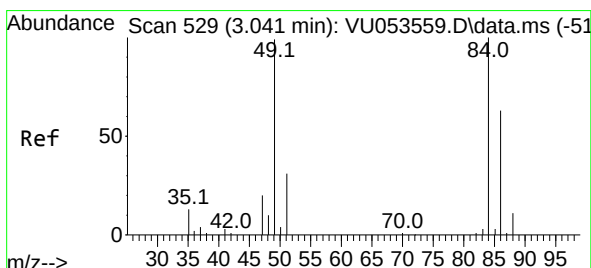
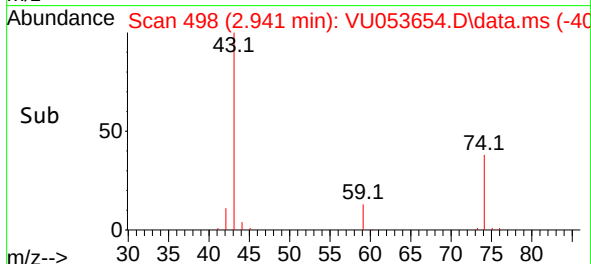
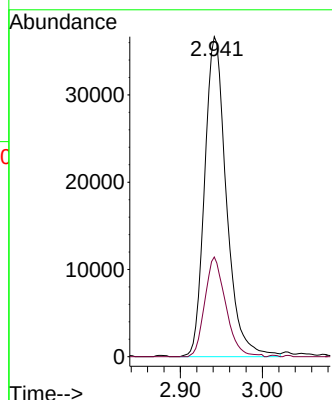
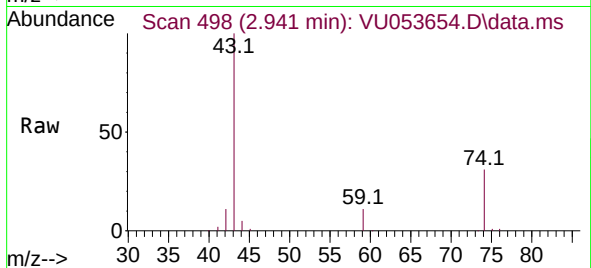




#15
Methyl Acetate
Concen: 58.860 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

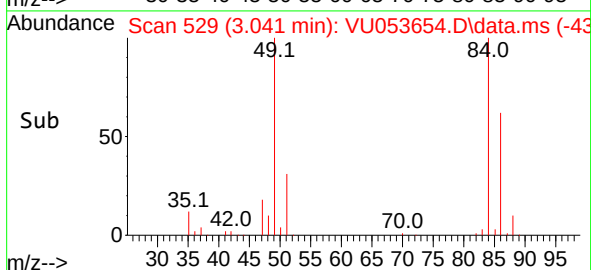
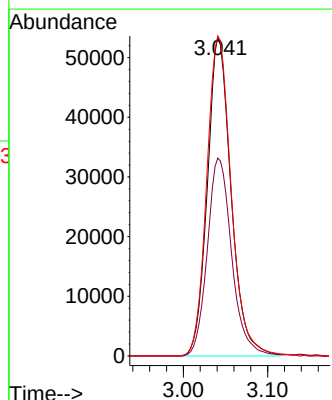
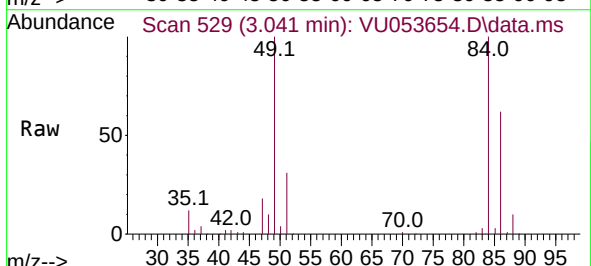
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

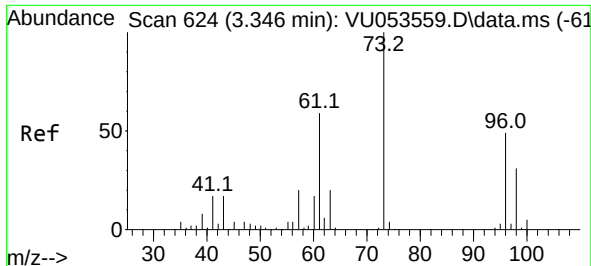
Tgt Ion: 43 Resp: 67851
Ion Ratio Lower Upper
43 100
74 29.8 22.0 33.0



#16
Methylene chloride
Concen: 63.811 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 84 Resp: 104540
Ion Ratio Lower Upper
84 100
86 62.1 43.5 80.9
49 100.4 69.7 129.5

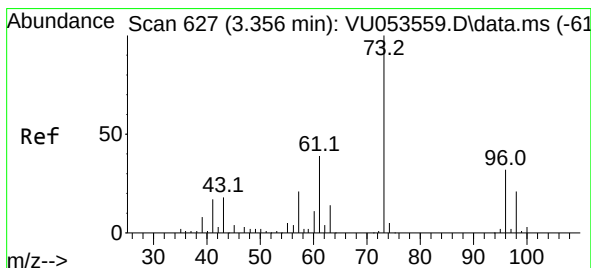
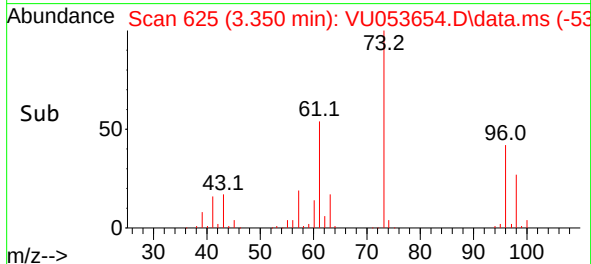
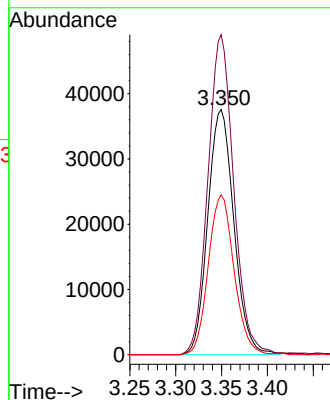
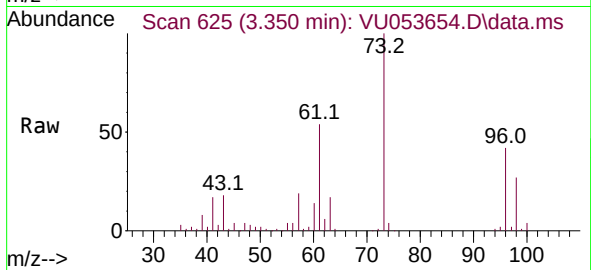




#17
trans-1,2-Dichloroethene
Concen: 50.818 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

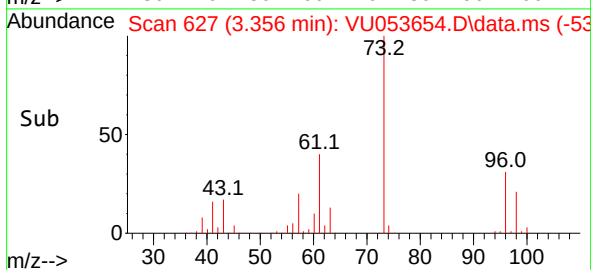
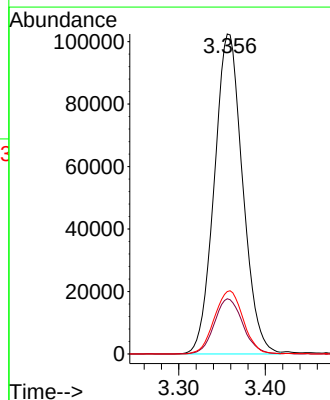
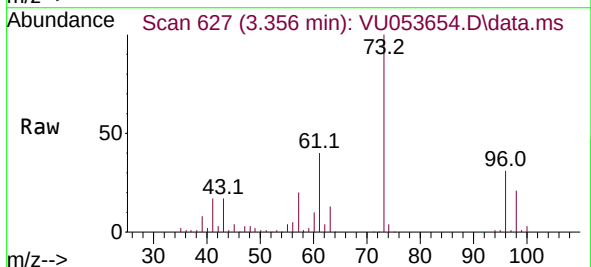
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

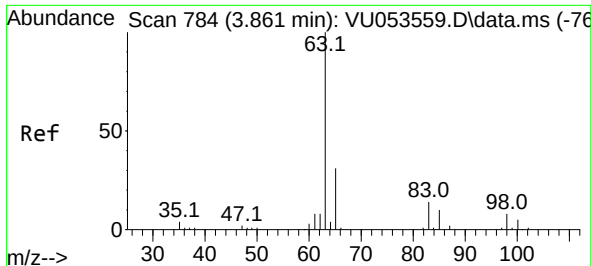
Tgt Ion: 96 Resp: 74440
Ion Ratio Lower Upper
96 100
61 130.6 84.4 156.8
98 65.2 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 54.518 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 73 Resp: 232775
Ion Ratio Lower Upper
73 100
43 17.3 13.8 20.8
57 20.1 15.9 23.9

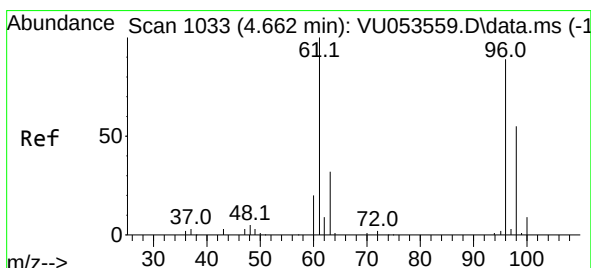
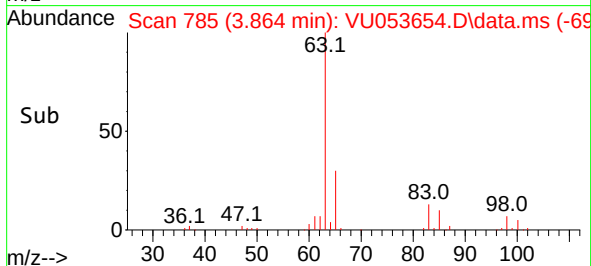
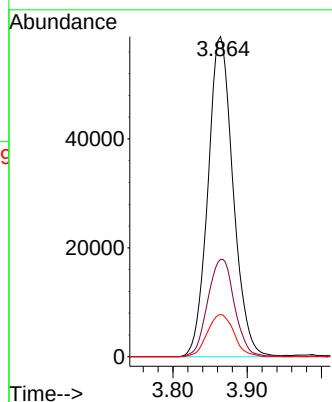
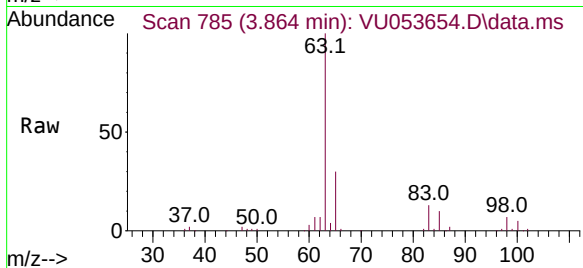




#19
1,1-Dichloroethane
Concen: 57.003 ug/L
RT: 3.864 min Scan# 784
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

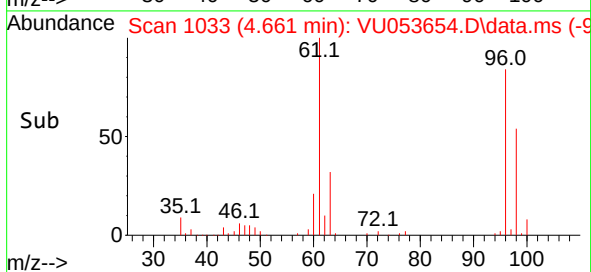
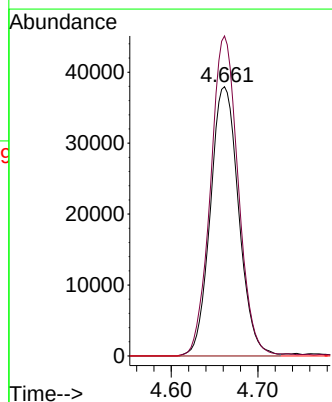
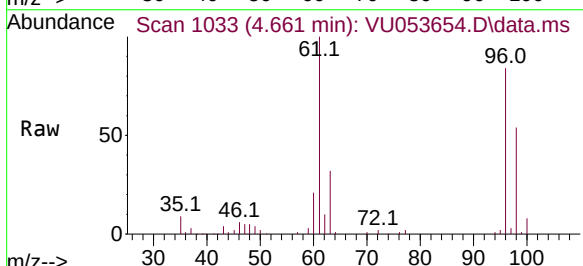
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

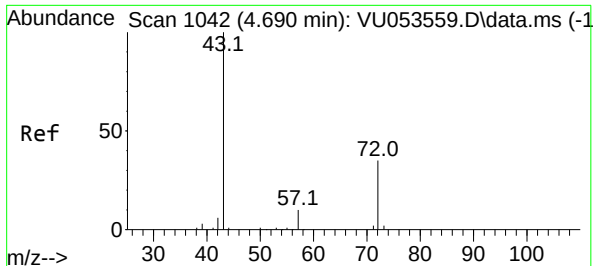
Tgt Ion: 63 Resp: 138319
Ion Ratio Lower Upper
63 100
65 30.4 22.0 41.0
83 13.2 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 51.024 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 96 Resp: 86331
Ion Ratio Lower Upper
96 100
61 118.8 74.7 138.7
68 0.0 0.0 0.0

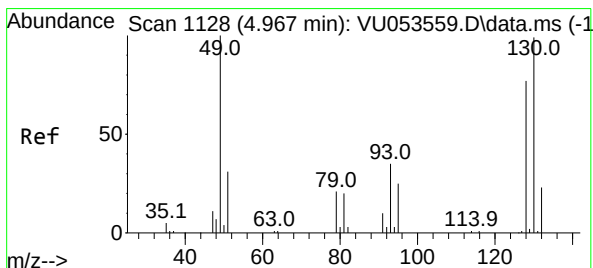
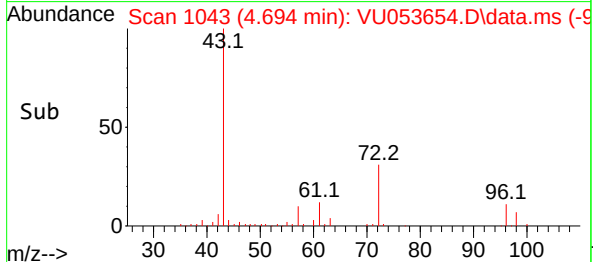
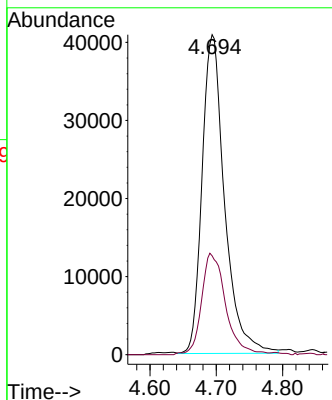
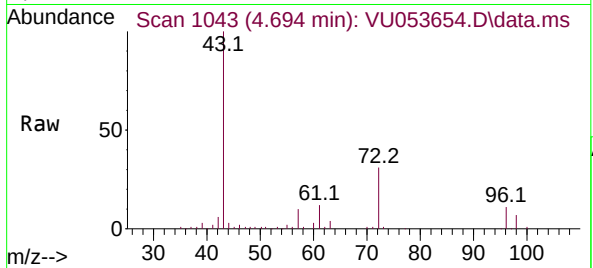




#22
2-Butanone
Concen: 105.592 ug/L
RT: 4.694 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

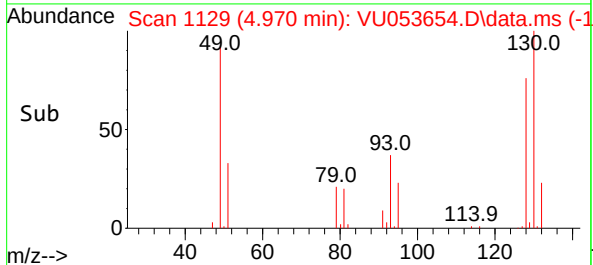
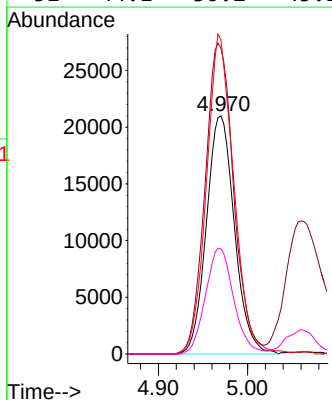
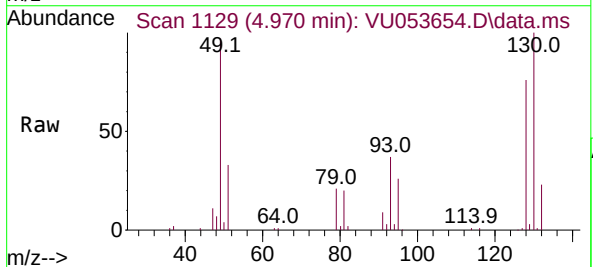
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

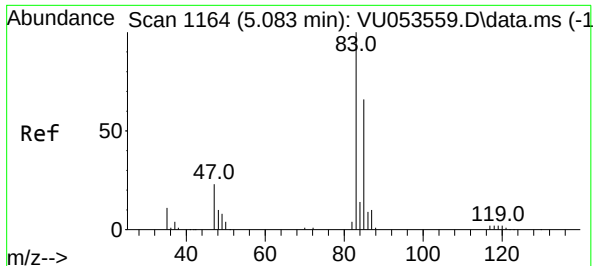
Tgt Ion: 43 Resp: 96275
Ion Ratio Lower Upper
43 100
72 32.5 15.8 47.3



#23
Bromochloromethane
Concen: 48.665 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion:128 Resp: 45865
Ion Ratio Lower Upper
128 100
49 128.4 81.5 151.3
130 132.0 91.8 170.4
51 44.1 30.2 45.2





#25

Chloroform

Concen: 54.681 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

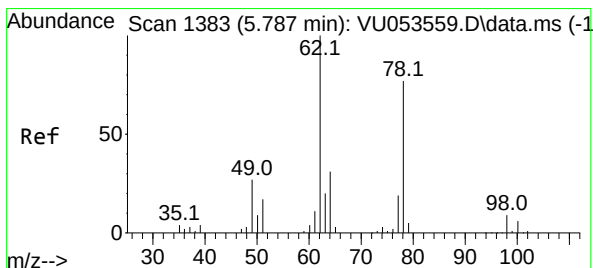
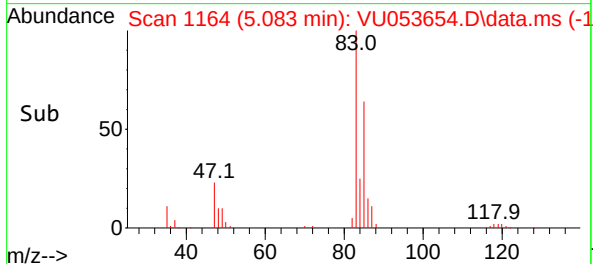
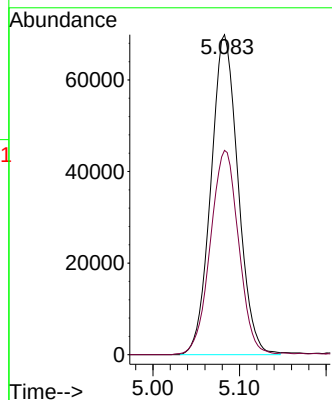
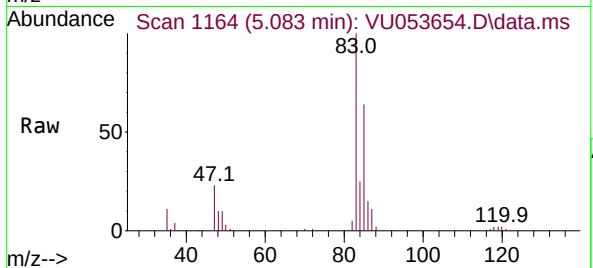
VSTD050195

Tgt Ion: 83 Resp: 152185

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 54.732 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053654.D

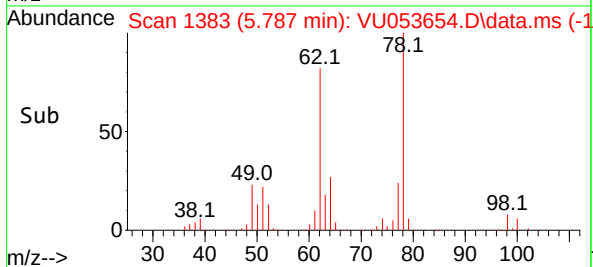
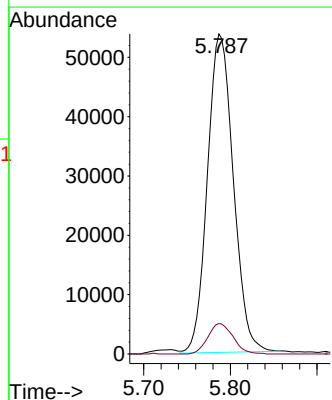
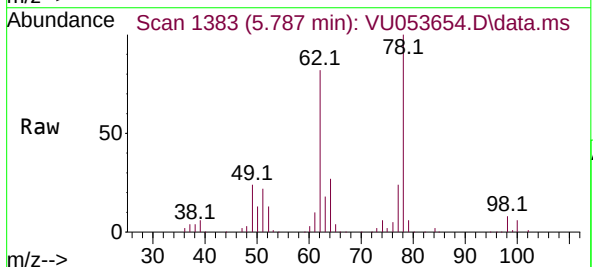
Acq: 12 Apr 2023 09:27

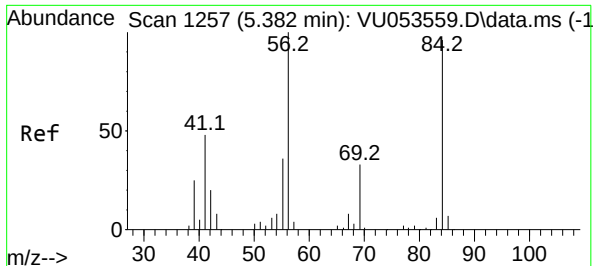
Tgt Ion: 62 Resp: 111555

Ion Ratio Lower Upper

62 100

98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 53.284 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

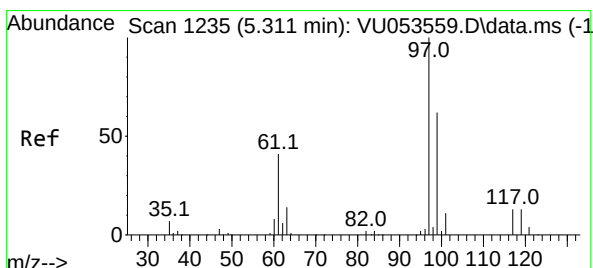
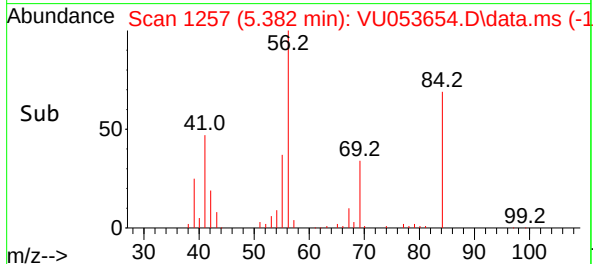
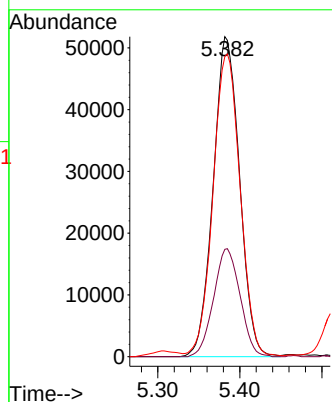
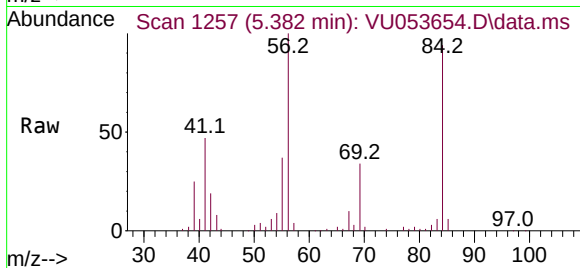
Tgt Ion: 56 Resp: 115798

Ion Ratio Lower Upper

56 100

69 33.9 27.3 40.9

84 97.6 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 51.774 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

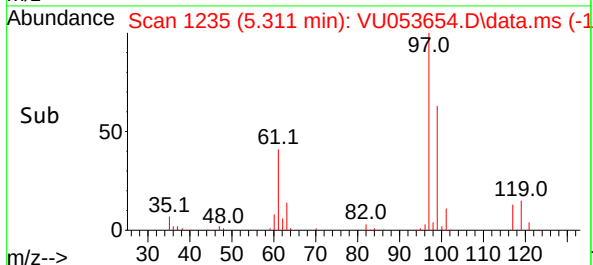
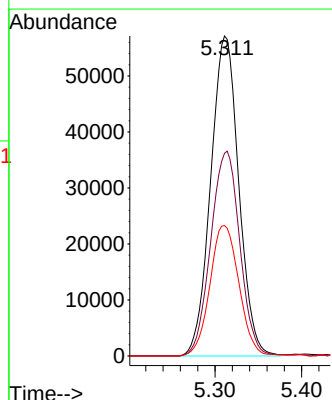
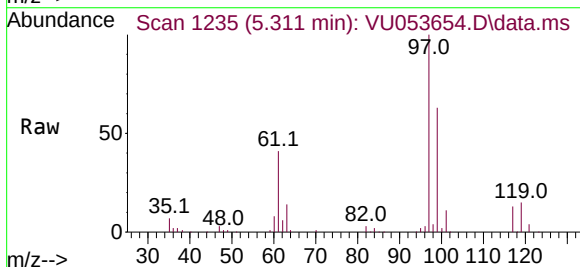
Tgt Ion: 97 Resp: 128786

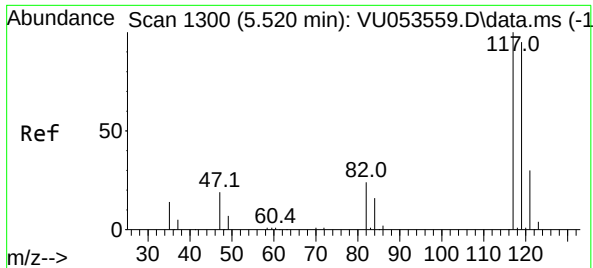
Ion Ratio Lower Upper

97 100

99 66.4 51.6 77.4

61 42.2 31.0 46.4

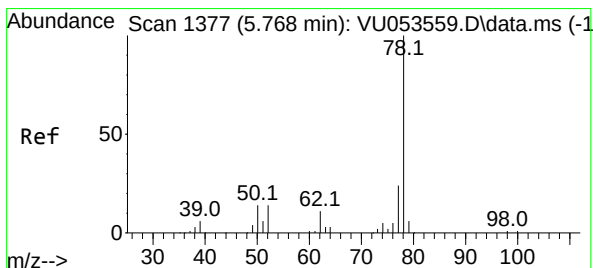
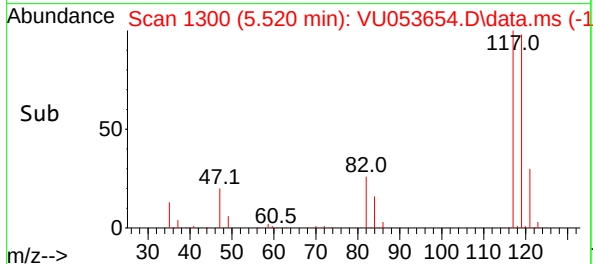
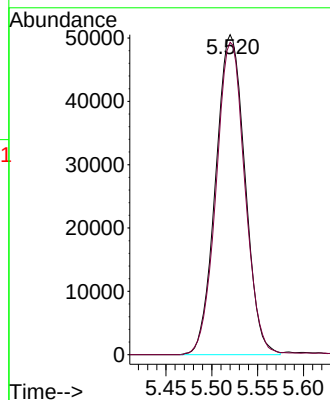
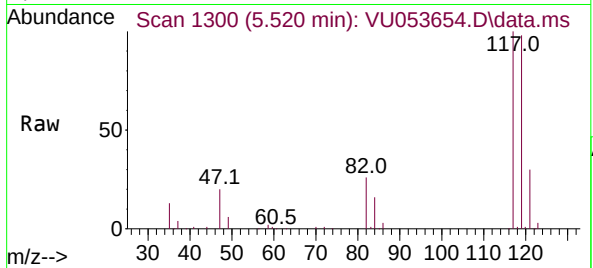




#31
Carbon tetrachloride
Concen: 50.329 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

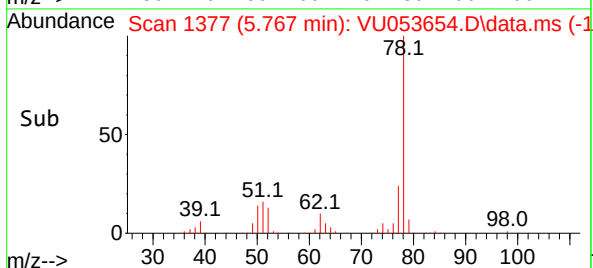
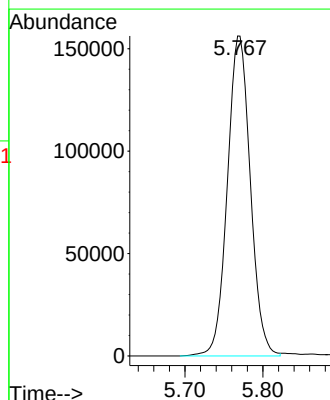
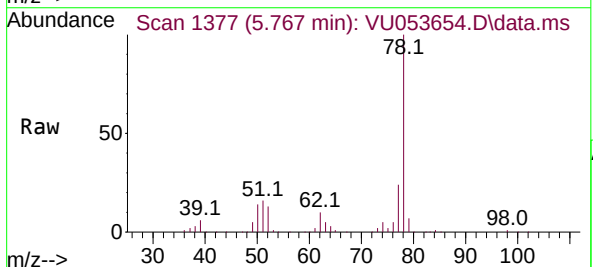
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

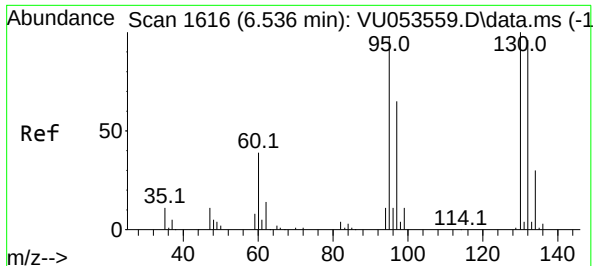
Tgt Ion:117 Resp: 112164
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 54.452 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 78 Resp: 320270

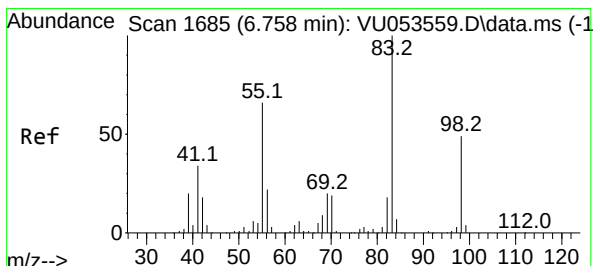
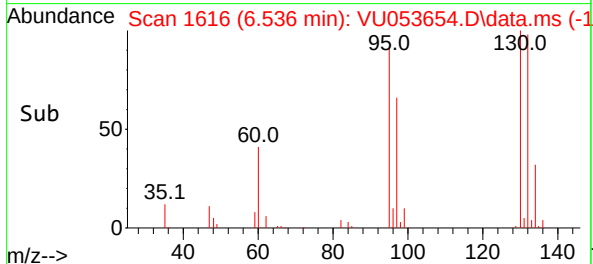
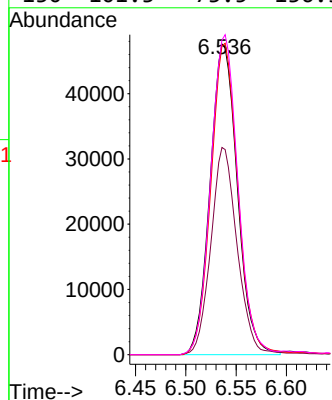
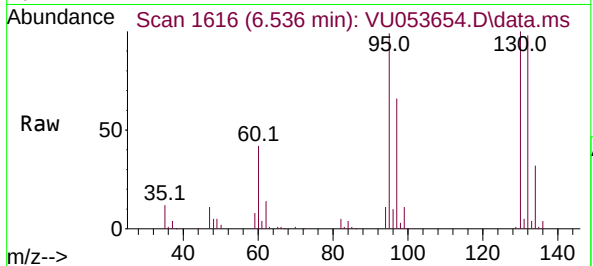




#34
Trichloroethene
Concen: 50.481 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

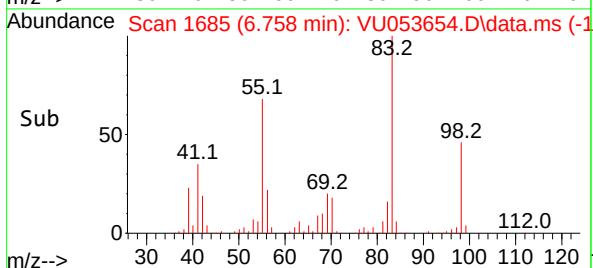
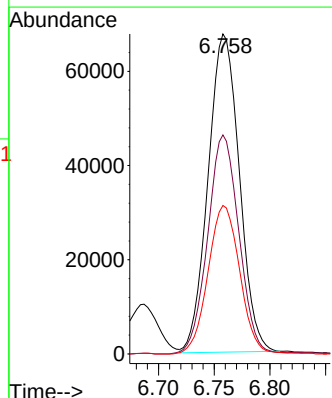
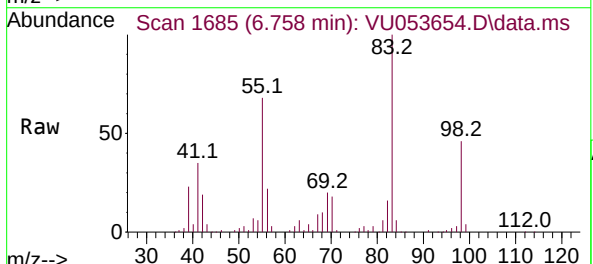
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

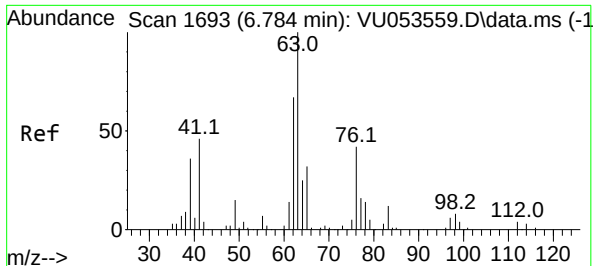
Tgt Ion: 95 Resp: 89802
Ion Ratio Lower Upper
95 100
97 66.7 45.1 83.7
132 99.4 74.1 137.5
130 101.3 73.5 136.5



#35
Methylcyclohexane
Concen: 50.404 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 83 Resp: 131801
Ion Ratio Lower Upper
83 100
55 68.9 53.0 79.6
98 47.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 56.147 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

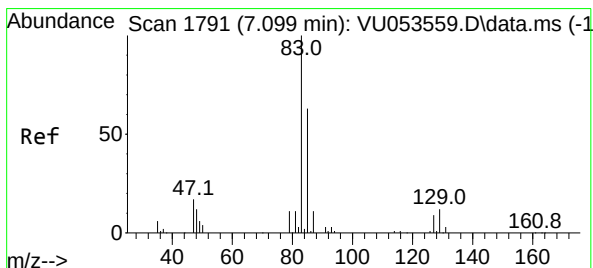
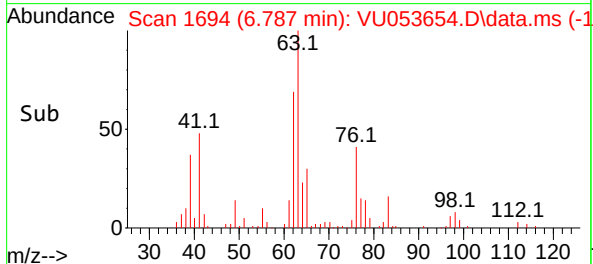
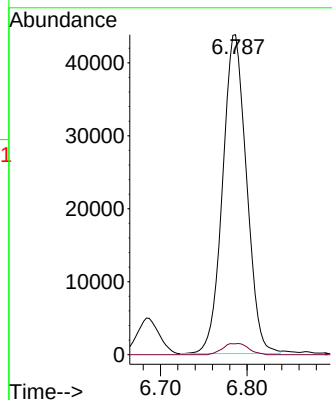
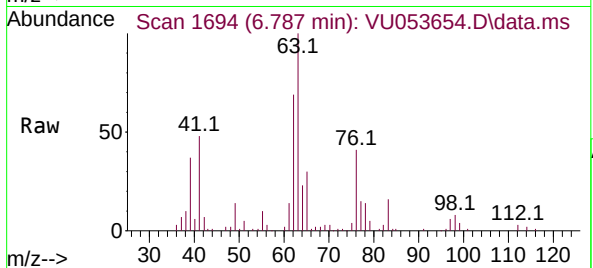
VSTD050195

Tgt Ion: 63 Resp: 83853

Ion Ratio Lower Upper

63 100

112 1.7 3.8 5.6#



#38

Bromodichloromethane

Concen: 53.989 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

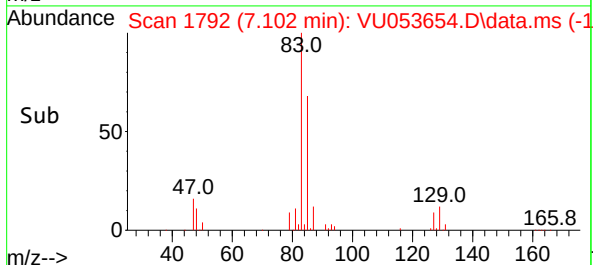
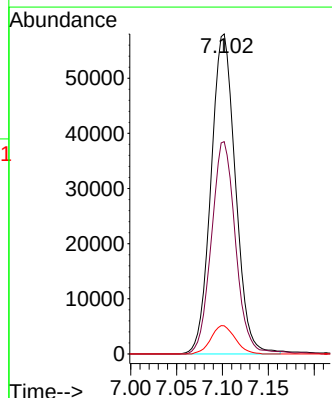
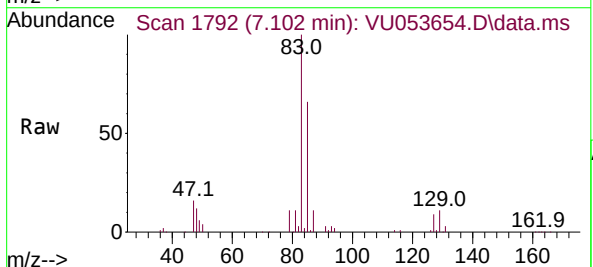
Tgt Ion: 83 Resp: 107565

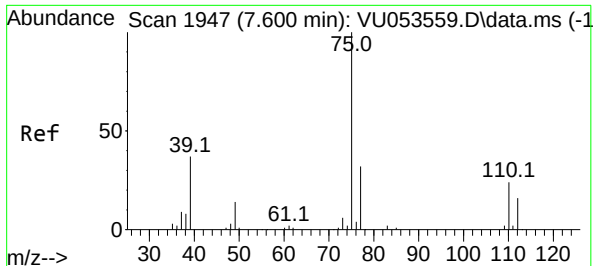
Ion Ratio Lower Upper

83 100

85 66.3 44.4 82.5

127 8.8 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 50.765 ug/L

RT: 7.603 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

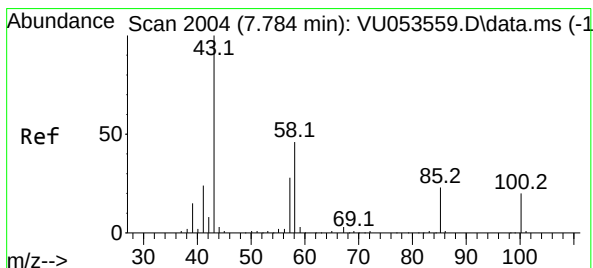
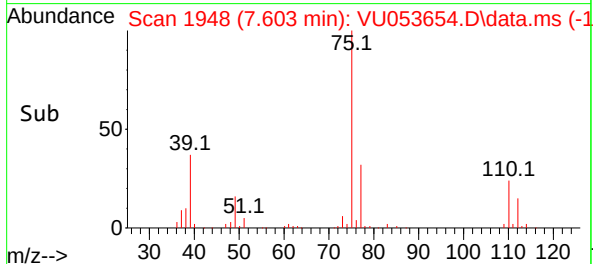
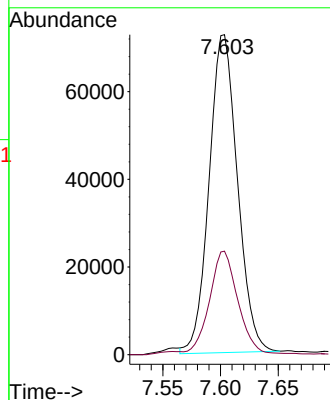
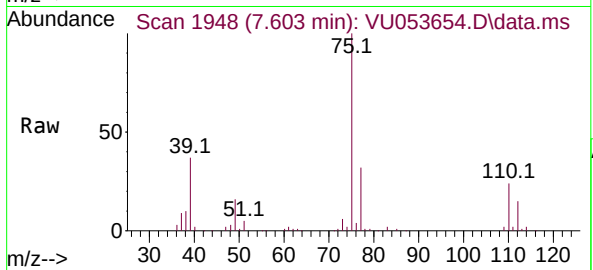
VSTD050195

Tgt Ion: 75 Resp: 123893

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 115.176 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

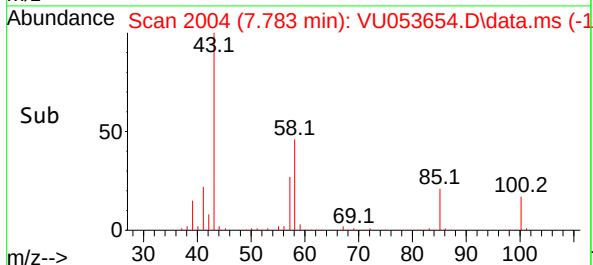
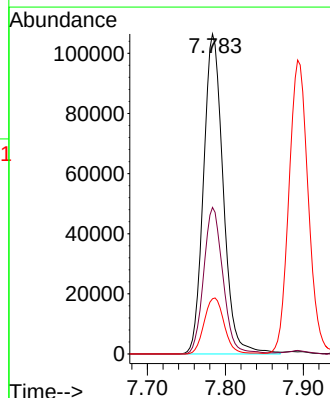
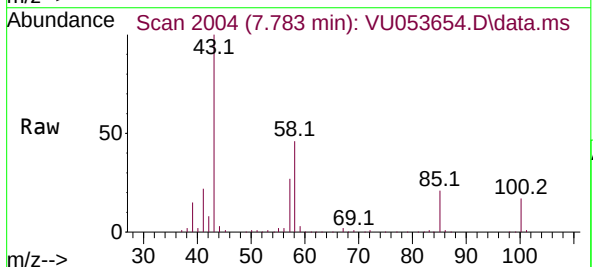
Tgt Ion: 43 Resp: 186923

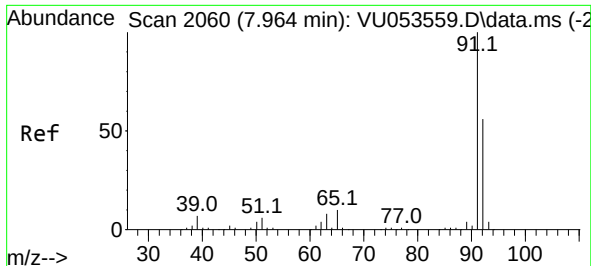
Ion Ratio Lower Upper

43 100

58 45.0 35.5 53.3

100 17.7 15.8 23.8





#42

Toluene

Concen: 52.478 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

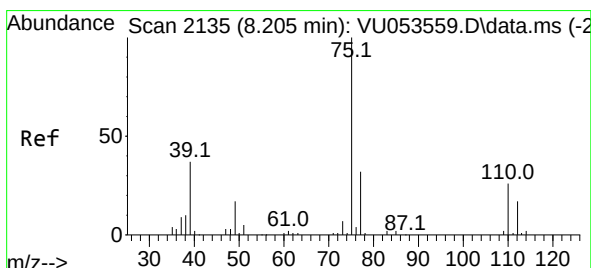
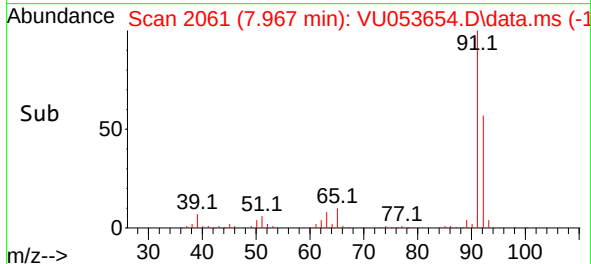
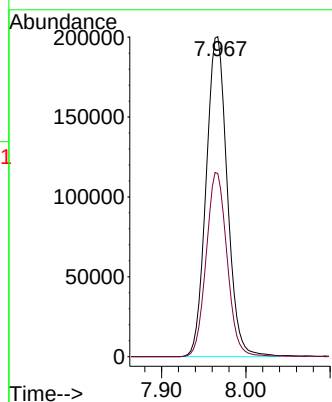
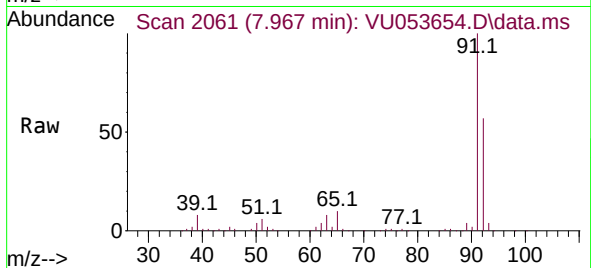
VSTD050195

Tgt Ion: 91 Resp: 349788

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.833 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053654.D

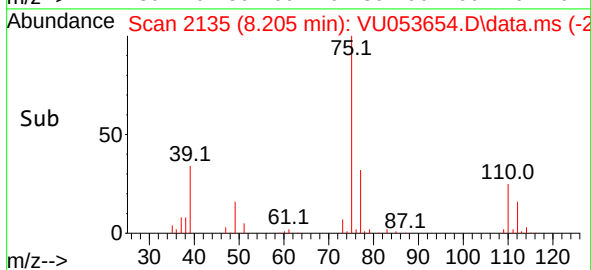
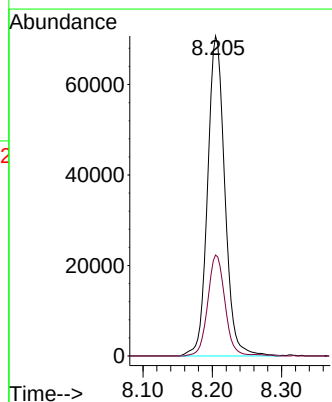
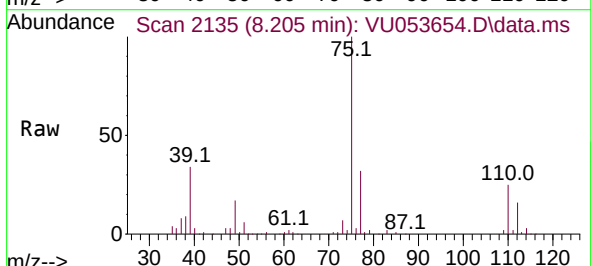
Acq: 12 Apr 2023 09:27

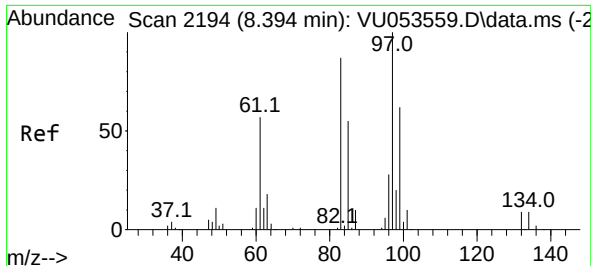
Tgt Ion: 75 Resp: 121894

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4

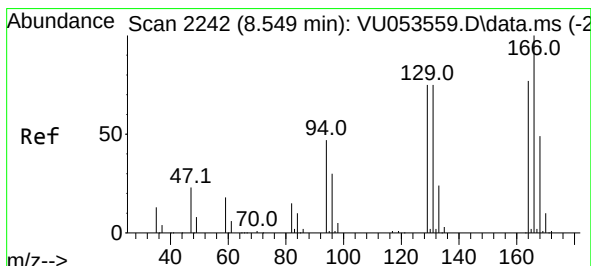
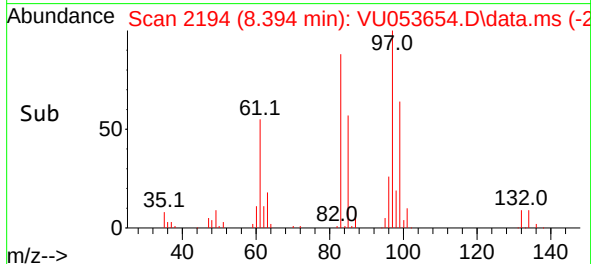
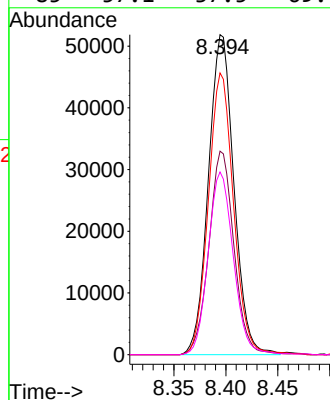
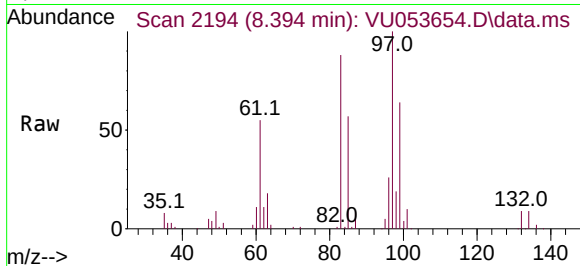




#45
1,1,2-Trichloroethane
Concen: 54.001 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

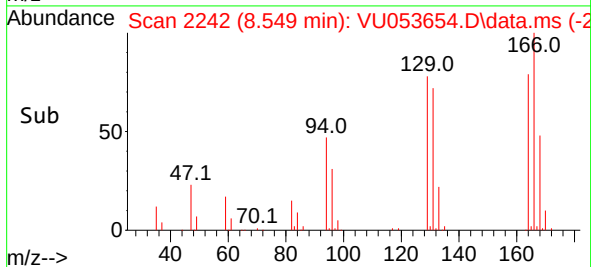
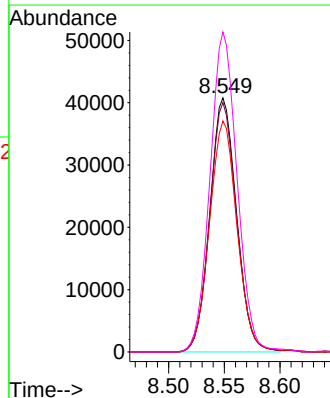
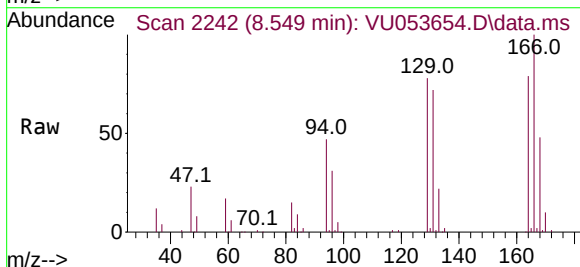
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

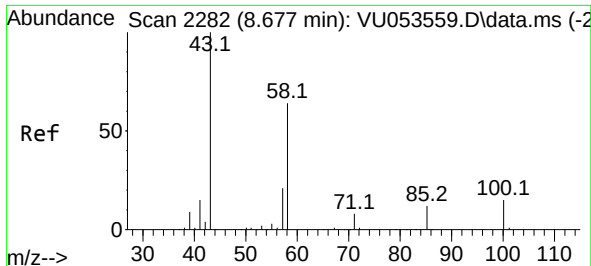
Tgt Ion:	97	Resp:	88546
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	81.3
83	88.1	59.0	109.6
85	57.1	37.5	69.7



#46
Tetrachloroethene
Concen: 46.153 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion:	164	Resp:	68131
Ion	Ratio	Lower	Upper
164	100		
129	98.2	64.0	119.0
131	90.9	61.9	115.1
166	126.0	90.6	168.2



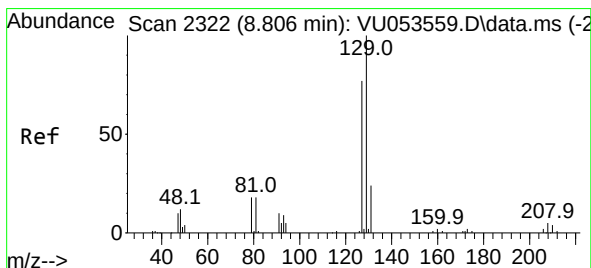
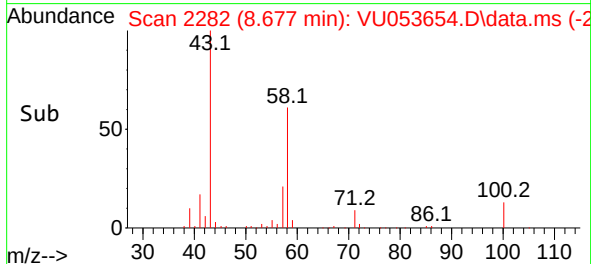
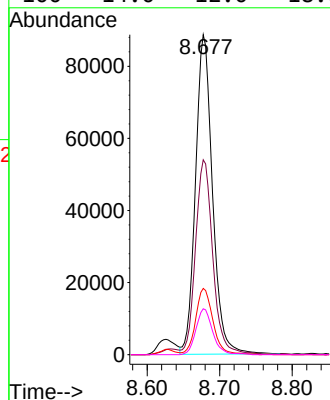
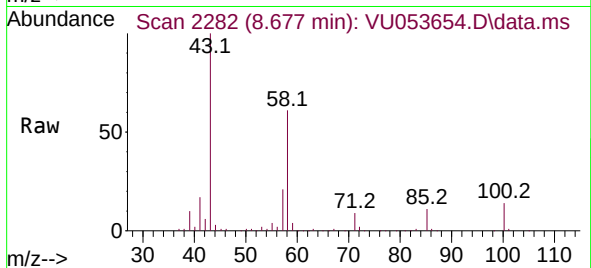


#48
2-Hexanone
Concen: 109.983 ug/L
RT: 8.677 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

Tgt Ion: 43 Resp: 144387

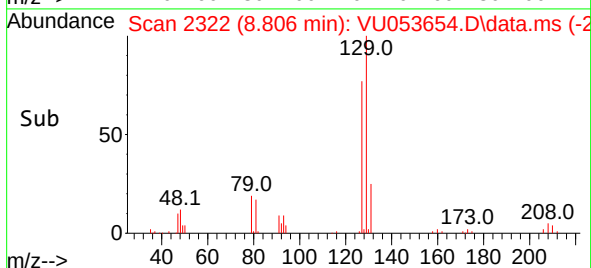
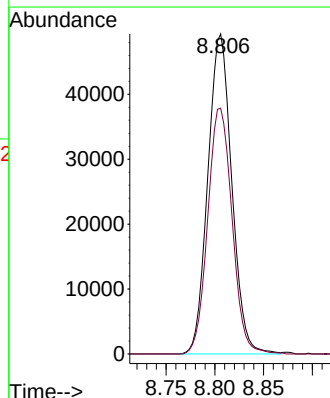
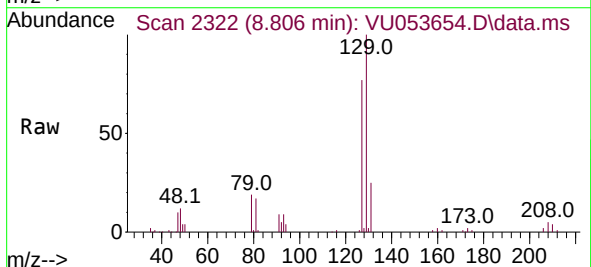
Ion	Ratio	Lower	Upper
43	100		
58	62.4	49.8	74.6
57	21.2	17.8	26.6
100	14.0	12.0	18.0

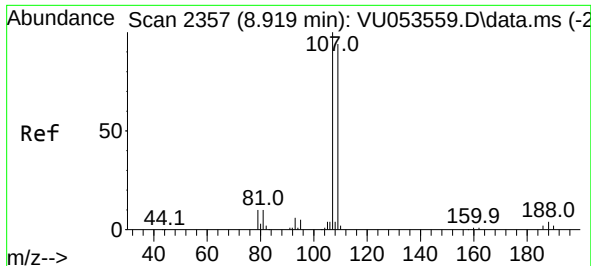


#49
Dibromochloromethane
Concen: 49.449 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 129 Resp: 84309

Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.5	99.3





#50

1,2-Dibromoethane

Concen: 50.471 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

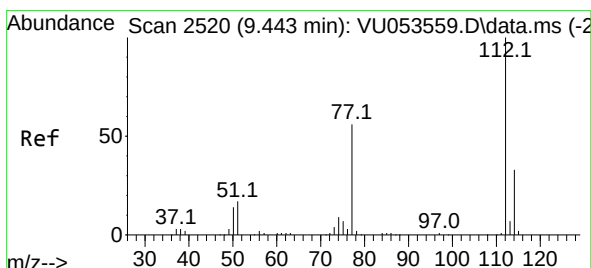
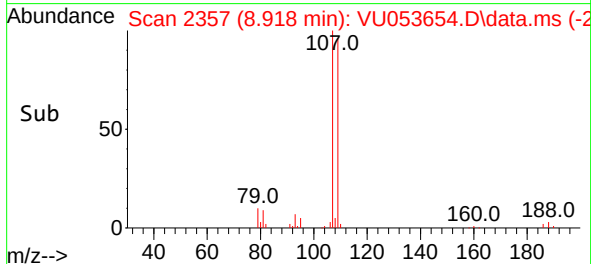
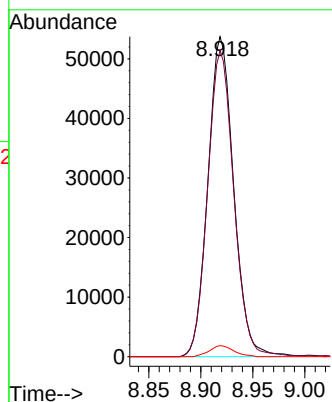
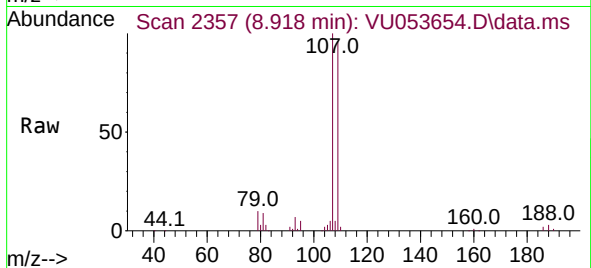
Tgt Ion:107 Resp: 92588

Ion Ratio Lower Upper

107 100

109 95.7 66.3 123.1

188 3.4 3.0 4.4



#51

Chlorobenzene

Concen: 50.711 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

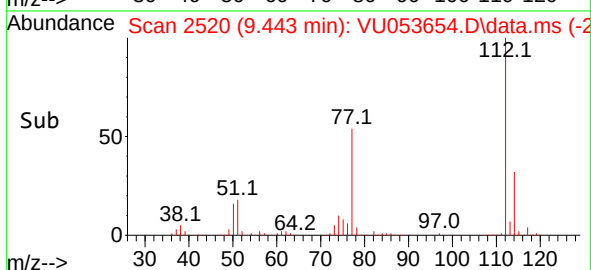
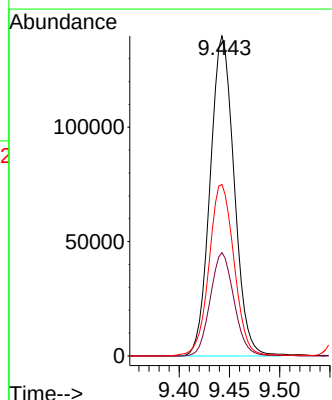
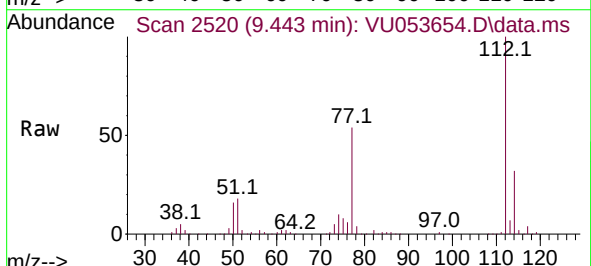
Tgt Ion:112 Resp: 232891

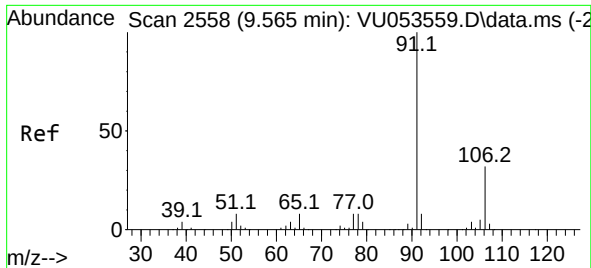
Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 53.6 41.3 61.9

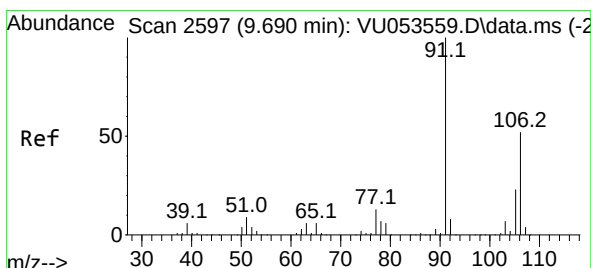
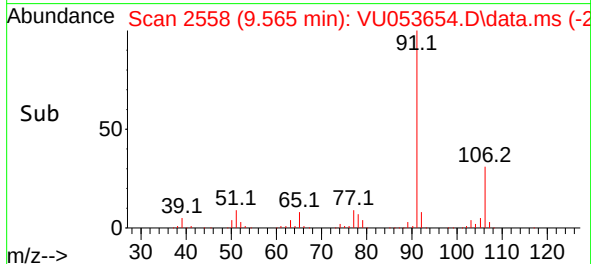
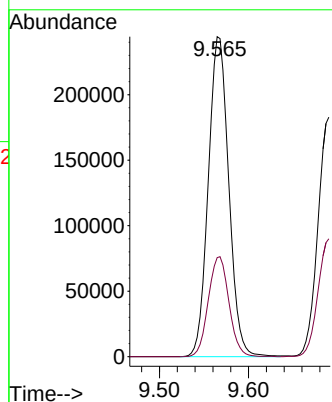
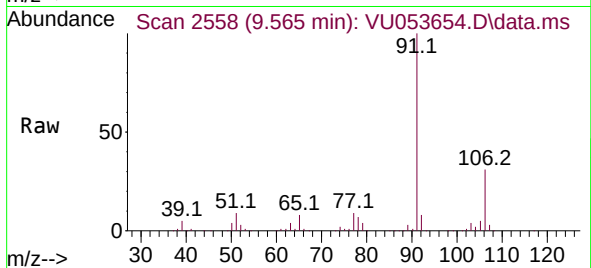




#52
Ethylbenzene
Concen: 52.486 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

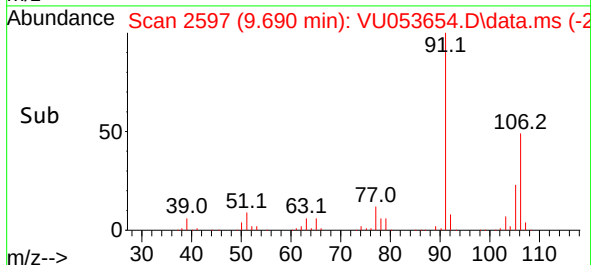
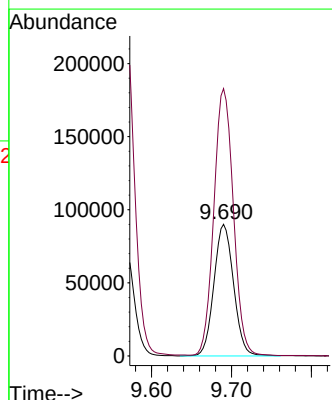
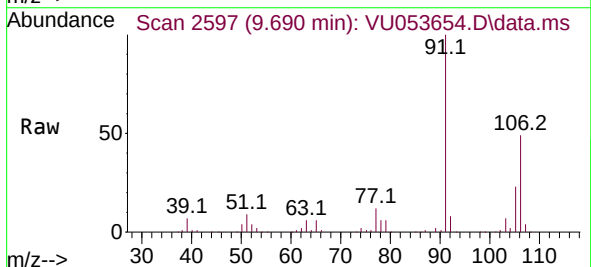
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

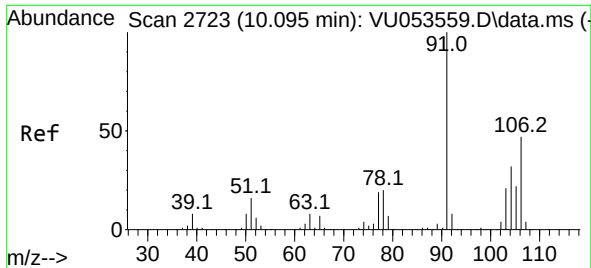
Tgt Ion: 91 Resp: 389440
Ion Ratio Lower Upper
91 100
106 31.0 22.4 41.6



#53
m,p-Xylene
Concen: 52.841 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 106 Resp: 153339
Ion Ratio Lower Upper
106 100
91 203.1 140.0 260.0

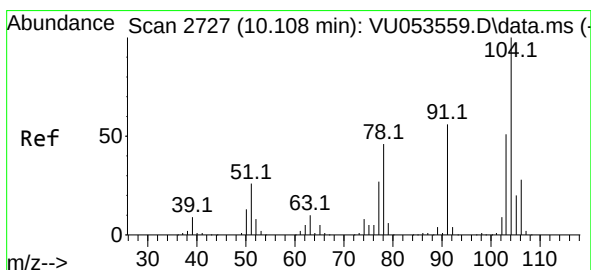
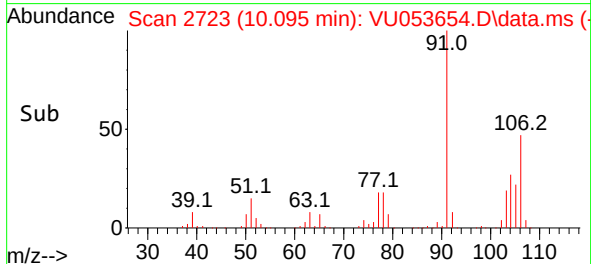
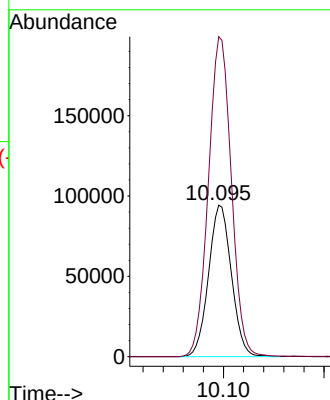
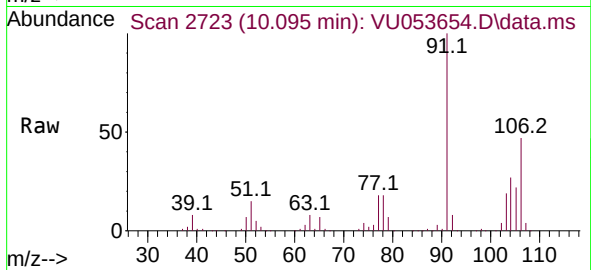




#54
o-Xylene
Concen: 51.832 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

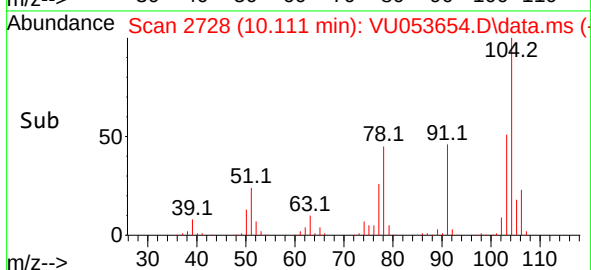
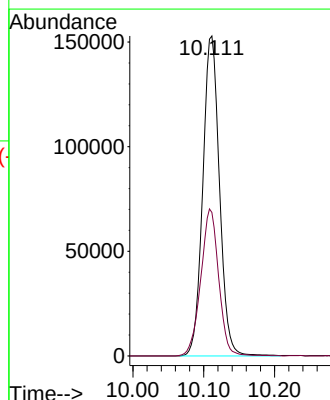
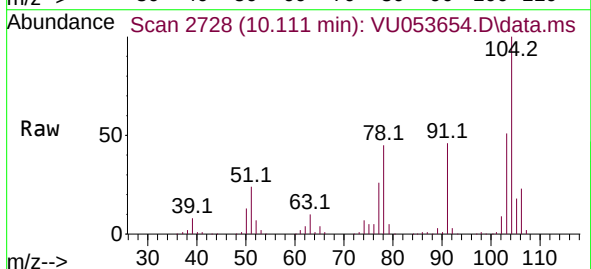
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

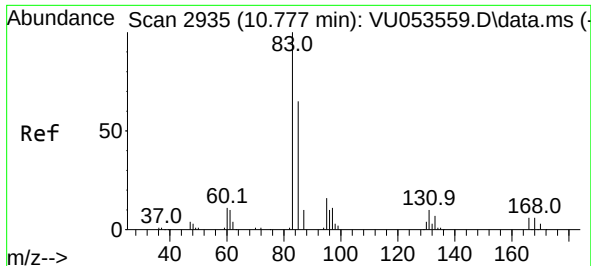
Tgt Ion:106 Resp: 148711
Ion Ratio Lower Upper
106 100
91 211.1 144.9 269.1



#55
Styrene
Concen: 53.584 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion:104 Resp: 250410
Ion Ratio Lower Upper
104 100
78 44.8 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 56.733 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

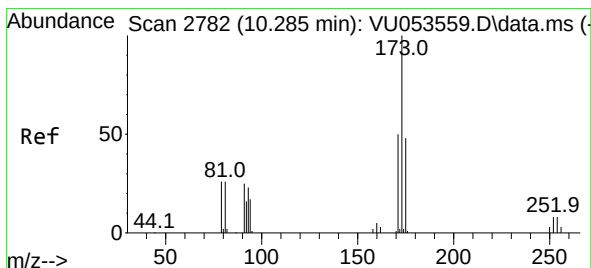
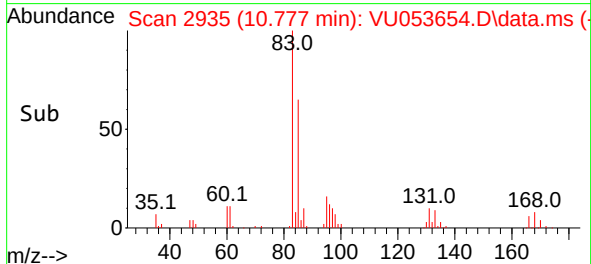
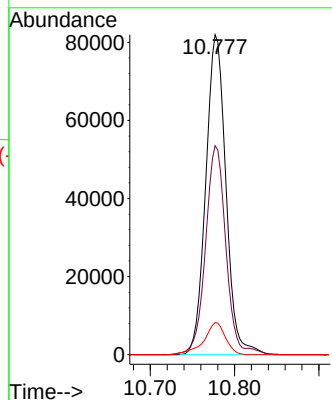
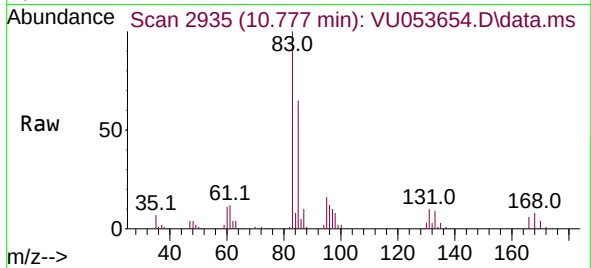
Tgt Ion: 83 Resp: 136583

Ion Ratio Lower Upper

83 100

85 65.3 47.0 87.4

131 10.0 8.7 13.1



#59

Bromoform

Concen: 48.801 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

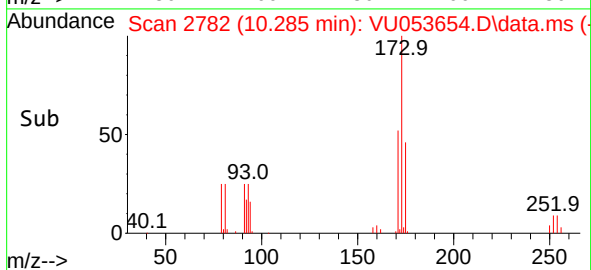
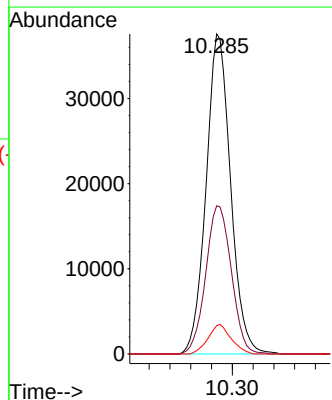
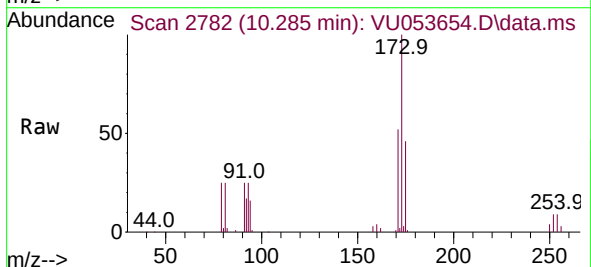
Tgt Ion:173 Resp: 61406

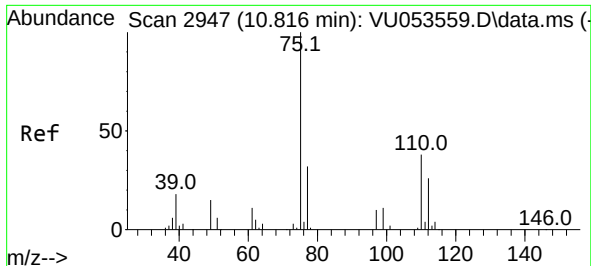
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.6

254 8.6 7.0 10.4

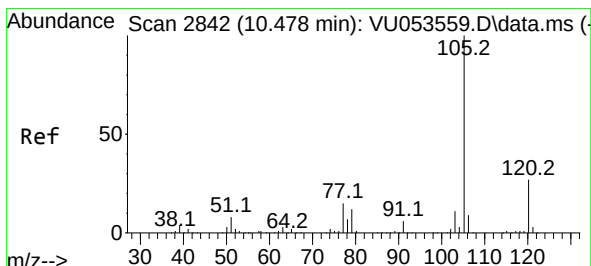
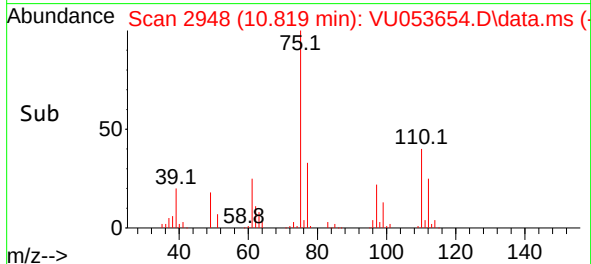
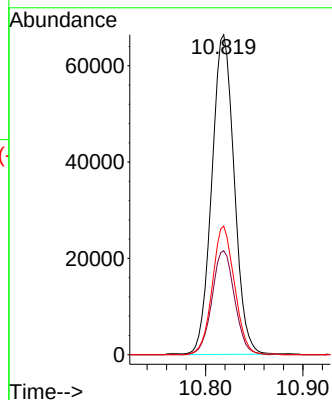
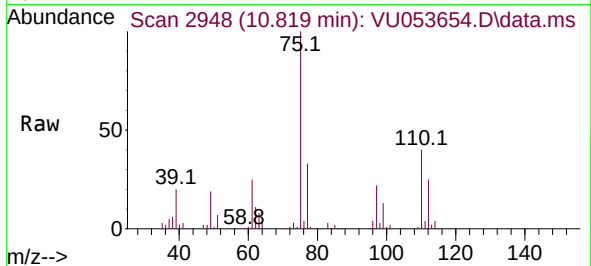




#60
1,2,3-Trichloropropane
Concen: 59.558 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

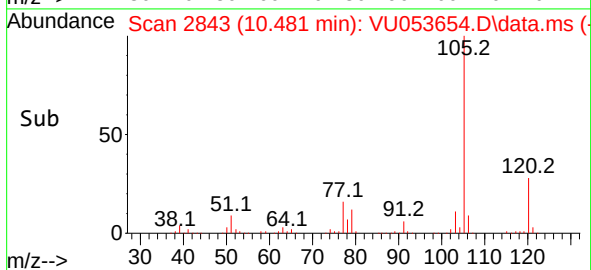
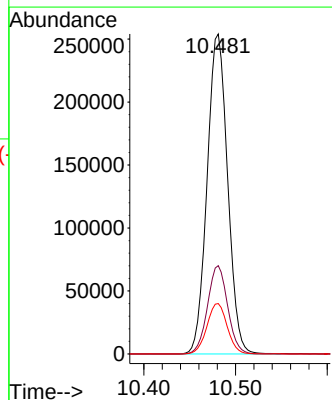
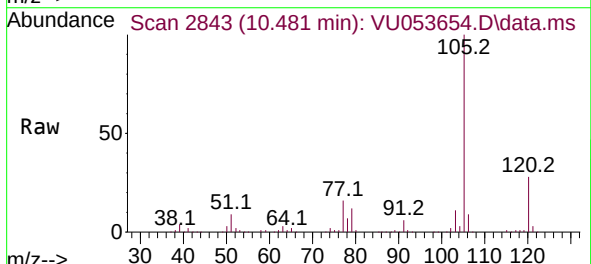
Instrument :
MSVOA_U
ClientSampleId :
VSTD050195

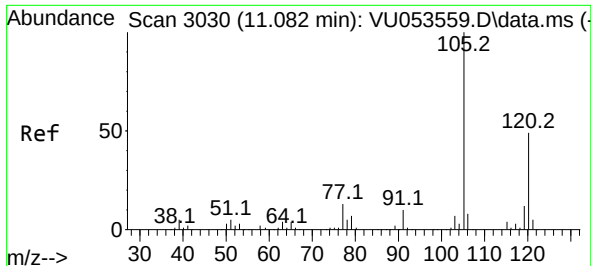
Tgt Ion: 75 Resp: 106162
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 39.8 32.6 48.8



#61
Isopropylbenzene
Concen: 54.184 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053654.D
Acq: 12 Apr 2023 09:27

Tgt Ion: 105 Resp: 393821
Ion Ratio Lower Upper
105 100
120 27.1 22.4 33.6
77 15.6 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 54.010 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

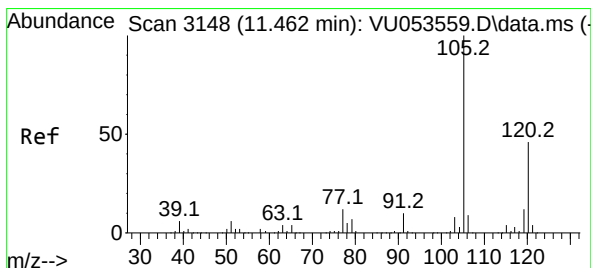
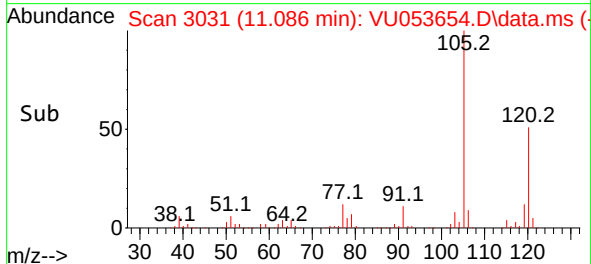
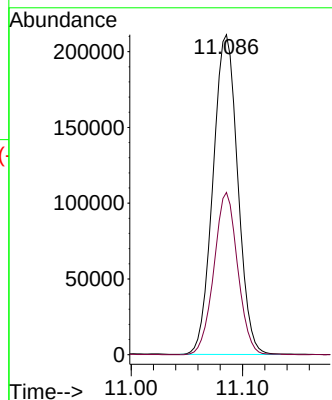
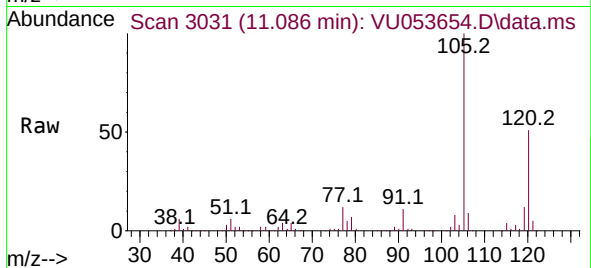
VSTD050195

Tgt Ion:105 Resp: 326326

Ion Ratio Lower Upper

105 100

120 48.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 54.510 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053654.D

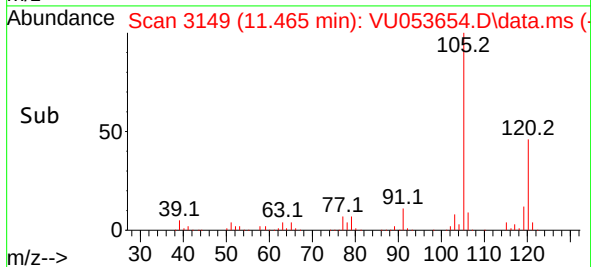
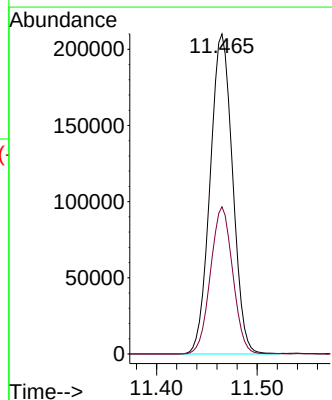
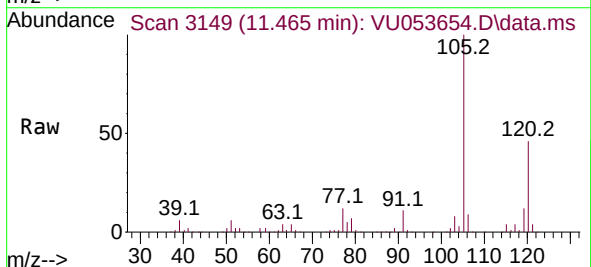
Acq: 12 Apr 2023 09:27

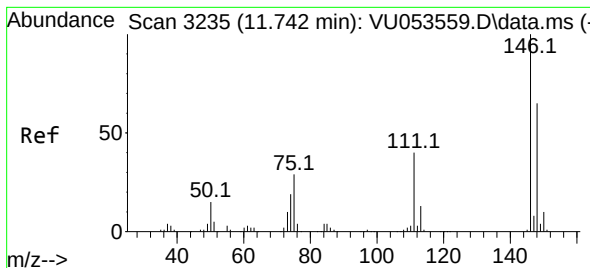
Tgt Ion:105 Resp: 326202

Ion Ratio Lower Upper

105 100

120 45.5 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 49.178 ug/L

RT: 11.741 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

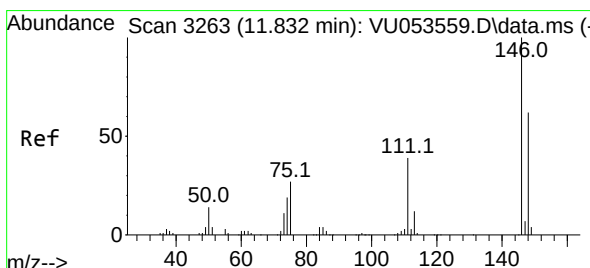
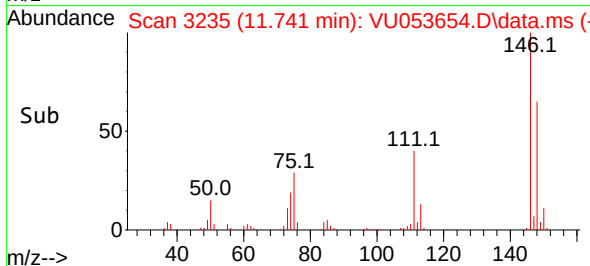
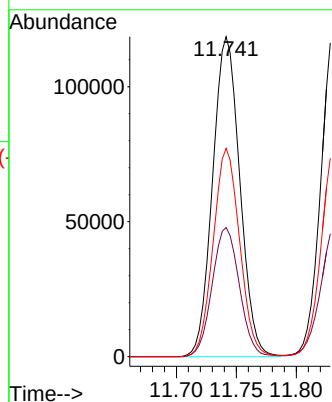
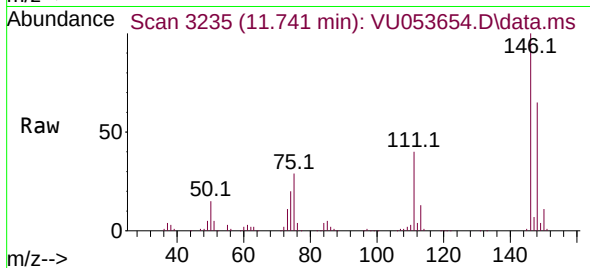
Tgt Ion:146 Resp: 186769

Ion Ratio Lower Upper

146 100

111 40.4 25.7 47.7

148 65.1 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.716 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

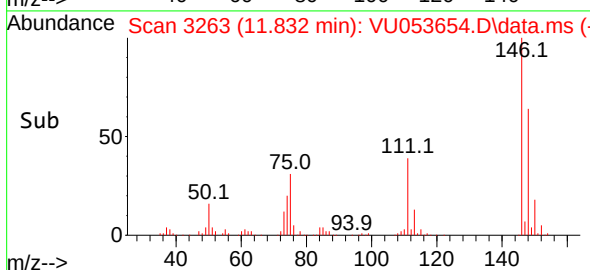
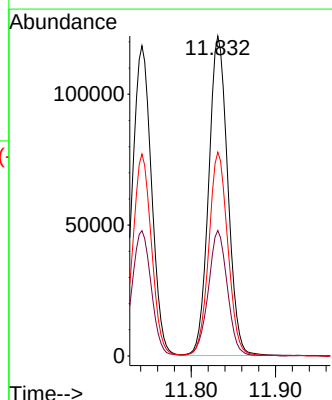
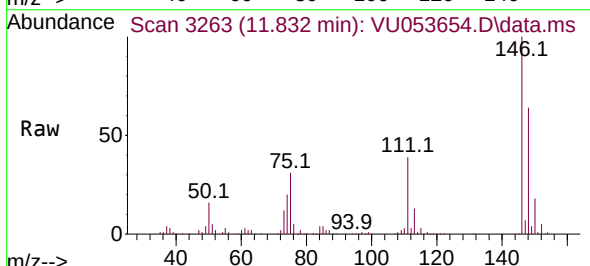
Tgt Ion:146 Resp: 192437

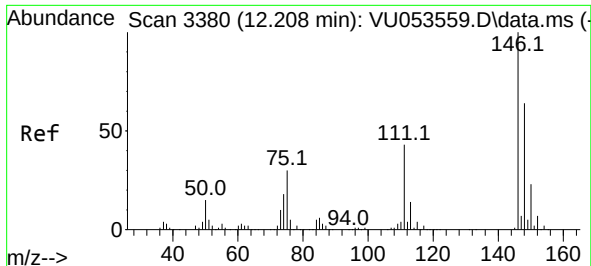
Ion Ratio Lower Upper

146 100

111 39.2 25.1 46.5

148 63.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 49.663 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

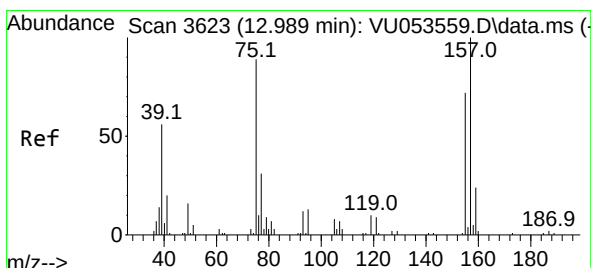
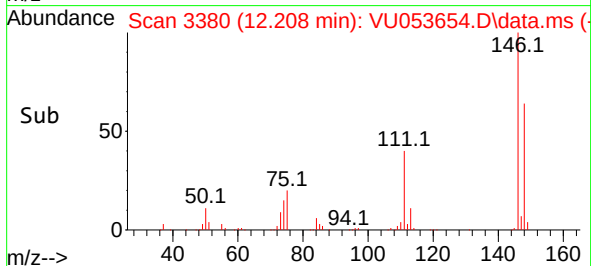
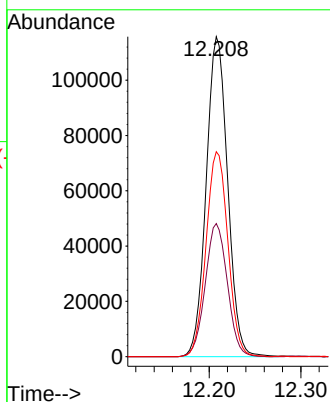
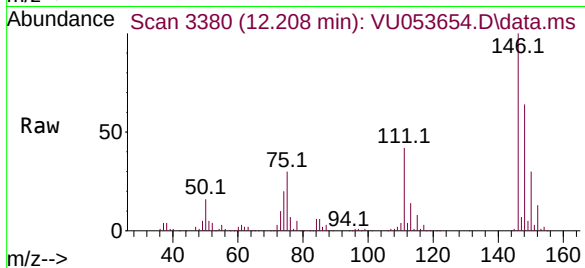
Tgt Ion:146 Resp: 187979

Ion Ratio Lower Upper

146 100

111 41.6 31.5 47.3

148 64.1 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 58.301 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

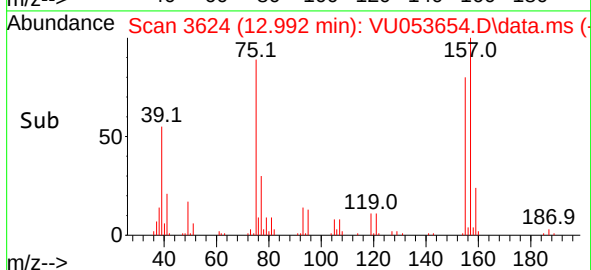
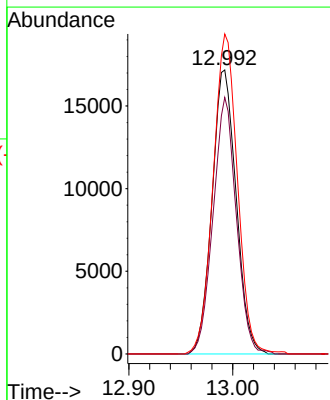
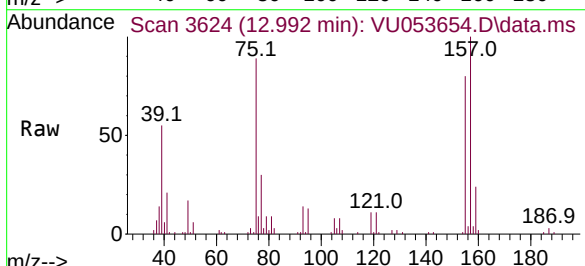
Tgt Ion: 75 Resp: 27704

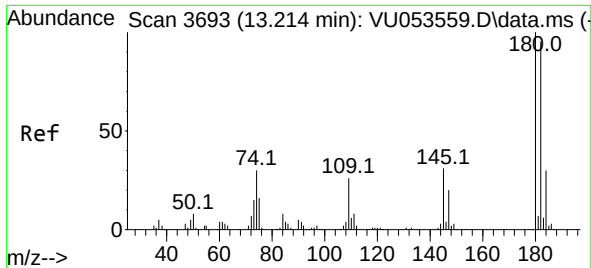
Ion Ratio Lower Upper

75 100

155 90.3 79.9 119.9

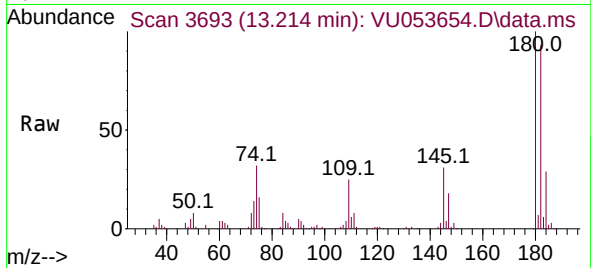
157 112.7 100.8 151.2



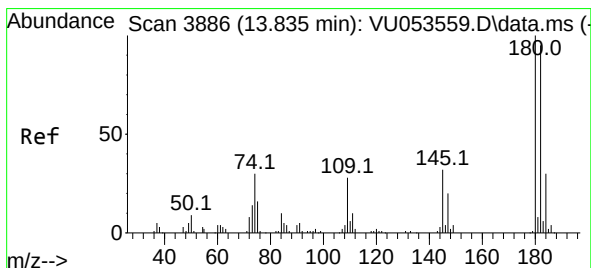
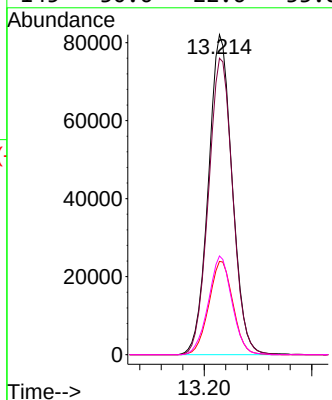
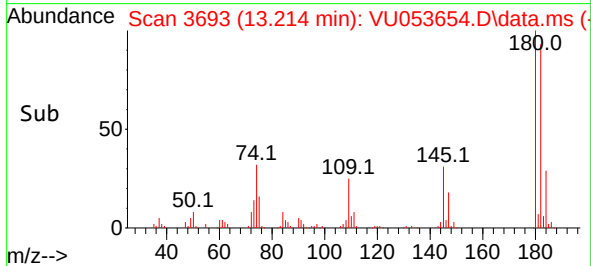


#69
 1,3,5-Trichlorobenzene
 Concen: 44.903 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27

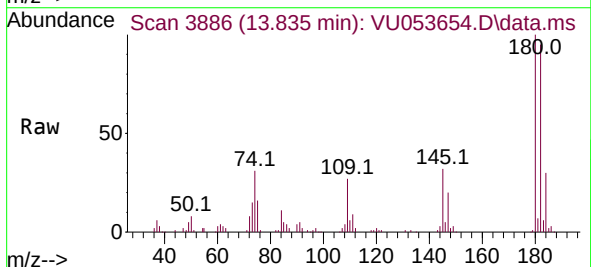
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195



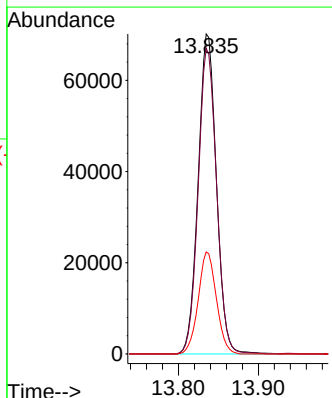
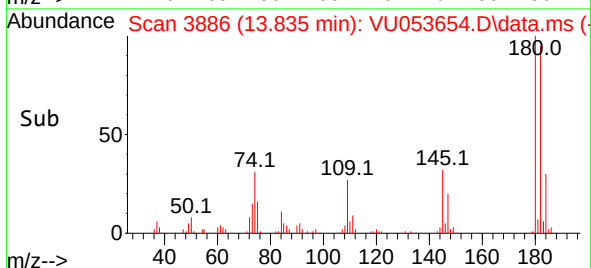
Tgt Ion:180 Resp: 126284
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.6 113.4
 184 29.4 24.2 36.2
 145 30.6 22.6 33.8

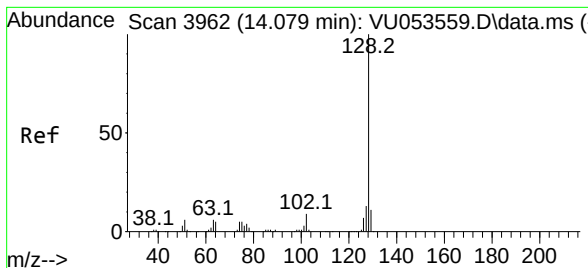


#70
 1,2,4-trichlorobenzene
 Concen: 42.780 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053654.D
 Acq: 12 Apr 2023 09:27



Tgt Ion:180 Resp: 111547
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.8 113.8
 145 31.8 23.4 35.2





#71

Naphthalene

Concen: 47.069 ug/L

RT: 14.082 min Scan# 3962

Delta R.T. -0.000 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD050195

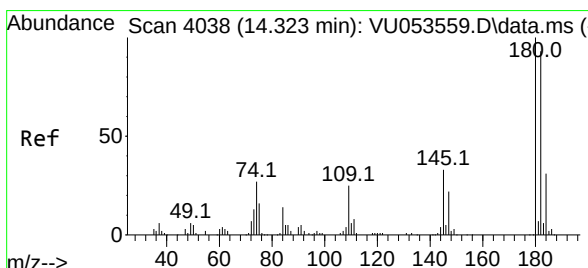
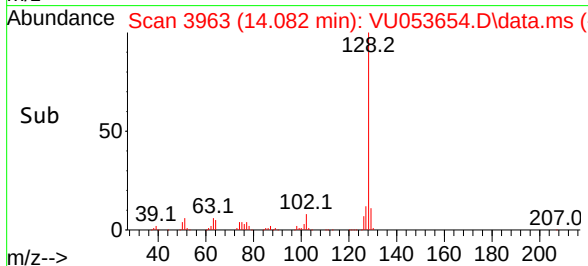
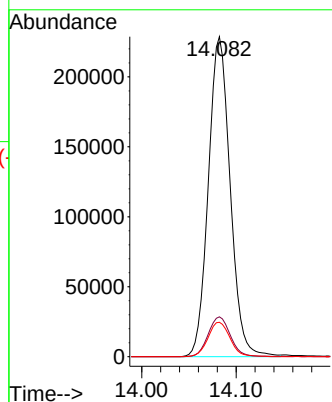
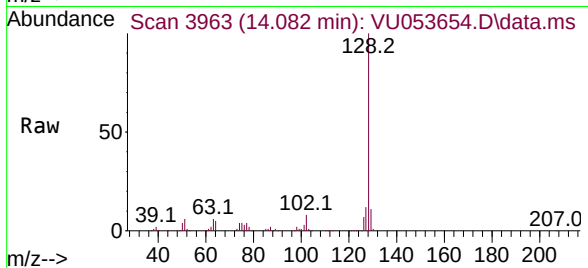
Tgt Ion:128 Resp: 367354

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 44.043 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053654.D

Acq: 12 Apr 2023 09:27

Tgt Ion:180 Resp: 114704

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 32.8 25.4 38.0

