

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054944.D
 Acq On : 29 Aug 2023 09:40
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 22:20:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:51:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	199337	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190031	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	103285	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30689	4.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.911	69	39172	4.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.563	65	18654	5.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.000%
20) 2-Butanone-d5	4.631	46	173637	51.129	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.260%
24) Chloroform-d	5.062	84	117018	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.701	65	60067	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.724	84	213137	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.689	67	73487	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.897	98	196384	4.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.180	79	24107	4.876	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.634	63	121957	51.970	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	61412	4.767	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	79407	4.815	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	60746	4.918	ug/L	97
3) Chloromethane	1.518	50	61916	4.804	ug/L	95
5) Vinyl chloride	1.602	62	65493	4.895	ug/L	99
6) Bromomethane	1.856	94	32020	3.836	ug/L	96
8) Chloroethane	1.930	64	42586	4.840	ug/L	99
9) Trichlorofluoromethane	2.136	101	95548	5.019	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	54719	5.291	ug/L	97
12) 1,1-Dichloroethene	2.576	96	47168	5.240	ug/L	95
13) Acetone	2.637	43	88023	47.951	ug/L	99
14) Carbon disulfide	2.792	76	121118	4.859	ug/L	99
15) Methyl Acetate	2.956	43	19637	5.226	ug/L	98
16) Methylene chloride	3.042	84	54681	3.954	ug/L	99
17) Methyl tert-butyl Ether	3.364	73	128672	4.912	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	49229	5.005	ug/L	95
19) 1,1-Dichloroethane	3.865	63	104280	5.054	ug/L	100
21) 2-Butanone	4.711	43	132999	47.282	ug/L	95
22) cis-1,2-Dichloroethene	4.666	96	59706	5.091	ug/L	97
23) Bromochloromethane	4.975	128	24739	4.875	ug/L	94
25) Chloroform	5.084	83	109810	4.852	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054944.D
 Acq On : 29 Aug 2023 09:40
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

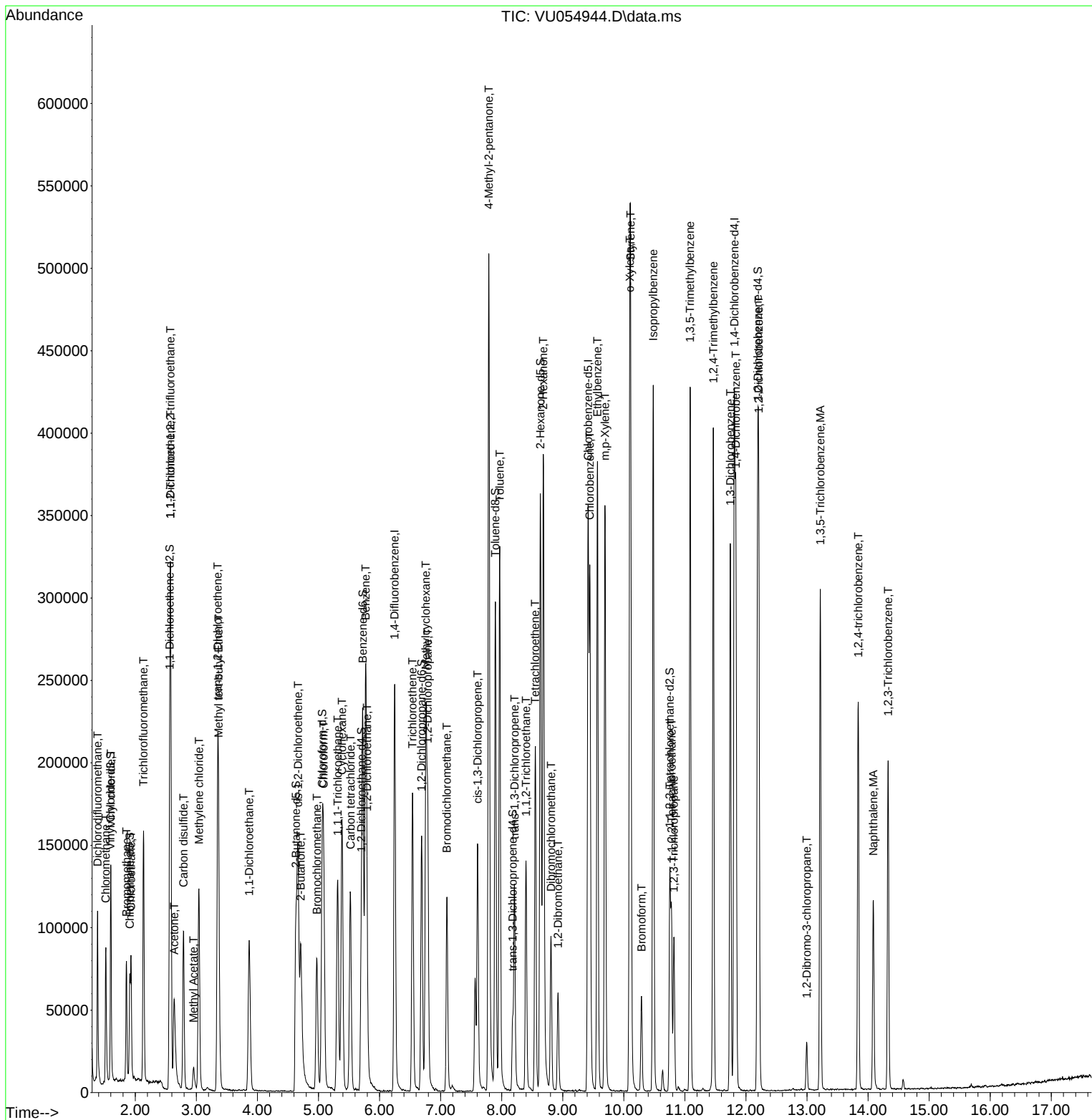
Instrument :
 MSVOA_U
 ClientSampleId :

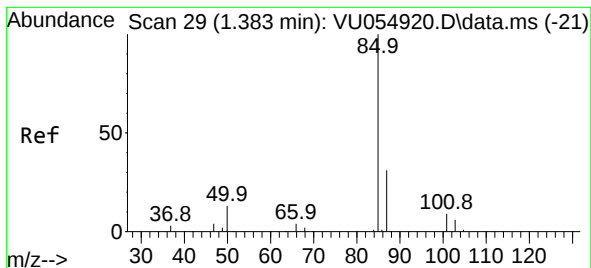
Quant Time: Aug 29 22:20:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:51:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	66425	4.804	ug/L	98
29) 1,1,1-Trichloroethane	5.316	97	93576	4.954	ug/L	98
30) Cyclohexane	5.386	56	83807	5.005	ug/L	95
31) Carbon tetrachloride	5.525	117	79660	4.957	ug/L	100
33) Benzene	5.772	78	222644	4.967	ug/L	100
34) Trichloroethene	6.541	95	60820	4.895	ug/L	99
35) Methylcyclohexane	6.759	83	88411	4.810	ug/L	98
37) 1,2-Dichloropropane	6.788	63	60147	4.813	ug/L	99
38) Bromodichloromethane	7.103	83	75507	4.870	ug/L	99
39) cis-1,3-Dichloropropene	7.608	75	87504	4.859	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	339785	48.770	ug/L	99
42) Toluene	7.968	91	243310	4.891	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	71243	4.790	ug/L	97
45) 1,1,2-Trichloroethane	8.399	97	42387	5.025	ug/L	98
47) Tetrachloroethene	8.550	164	44308	4.963	ug/L	96
48) 2-Hexanone	8.682	43	254236	49.274	ug/L	97
49) Dibromochloromethane	8.807	129	45097	4.616	ug/L	87
50) 1,2-Dibromoethane	8.923	107	40458	4.983	ug/L	94
51) Chlorobenzene	9.444	112	157668	4.870	ug/L	98
52) Ethylbenzene	9.569	91	271613	4.841	ug/L	100
53) m,p-Xylene	9.692	106	104316	4.961	ug/L	99
54) o-Xylene	10.100	106	100957	5.009	ug/L	96
55) Styrene	10.113	104	165595	4.984	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.782	83	51196	4.907	ug/L	99
59) Bromoform	10.290	173	25587	4.987	ug/L	91
60) Isopropylbenzene	10.483	105	277865	5.011	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	38866	5.054	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	232126	4.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	219261	4.966	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	128072	4.964	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	126191	4.890	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	116553	4.957	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	7850	5.268	ug/L	94
69) 1,3,5-Trichlorobenzene	13.219	180	87967	5.115	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	64779	4.809	ug/L	95
71) Naphthalene	14.087	128	94318	4.654	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	56699	5.080	ug/L	97

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

Quant Time: Aug 29 22:20:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 29 04:51:39 2023
Response via : Initial Calibration

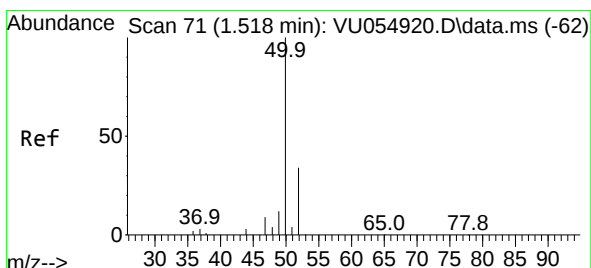
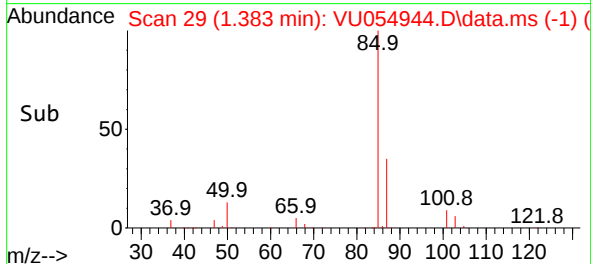
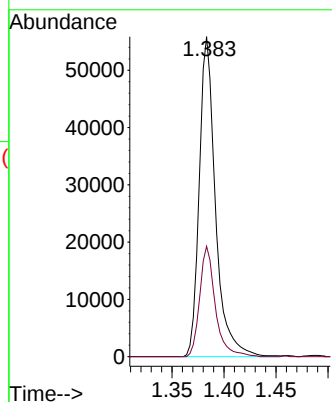
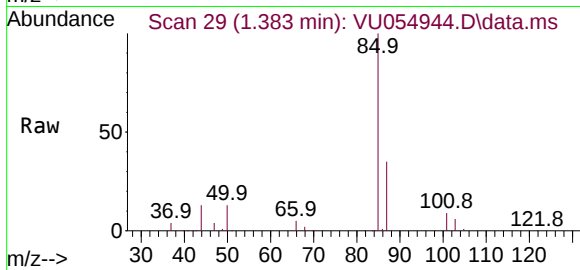




#2
 Dichlorodifluoromethane
 Concen: 4.918 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

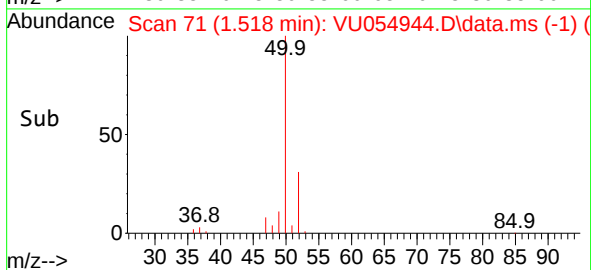
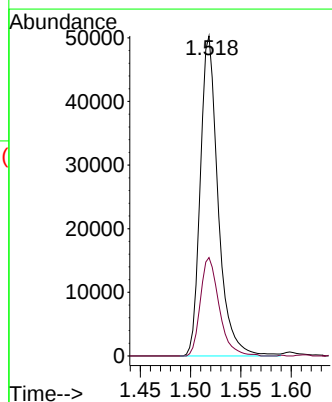
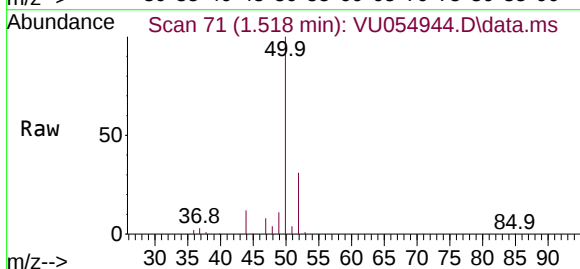
Instrument :
 MSVOA_U
 ClientSampleId :

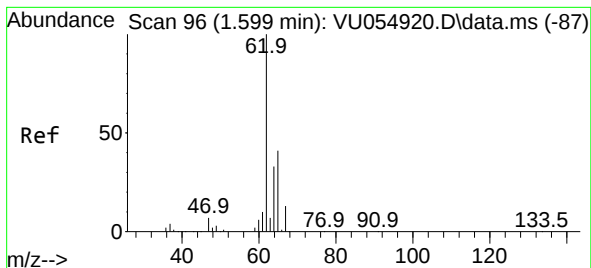
Tgt Ion: 85 Resp: 60746
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.4 38.0



#3
 Chloromethane
 Concen: 4.804 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

Tgt Ion: 50 Resp: 61916
 Ion Ratio Lower Upper
 50 100
 52 30.7 23.4 43.6





#5

Vinyl chloride

Concen: 4.895 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

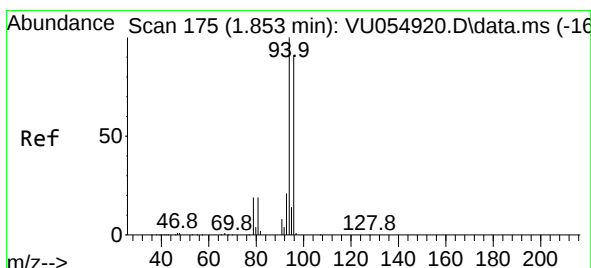
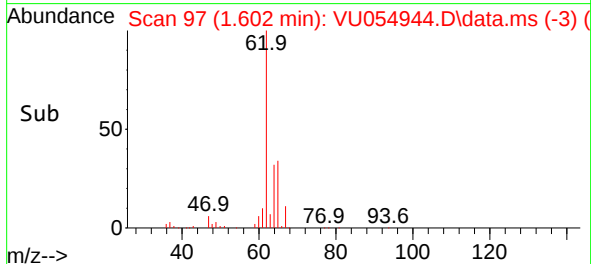
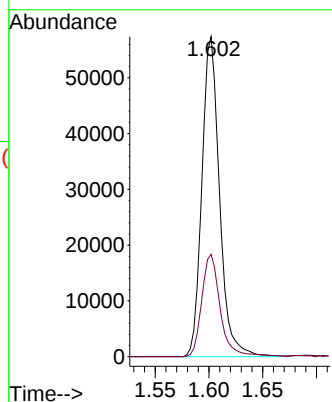
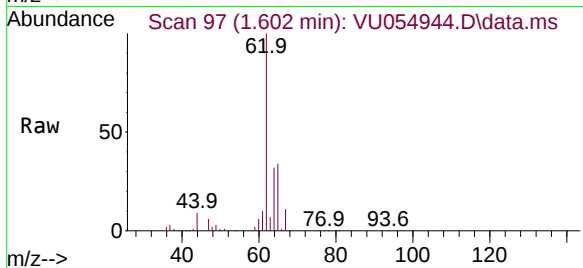
ClientSampleId :

Tgt Ion: 62 Resp: 65493

Ion Ratio Lower Upper

62 100

64 32.0 22.7 42.1



#6

Bromomethane

Concen: 3.836 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU054944.D

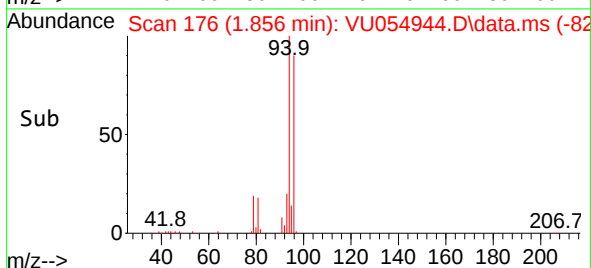
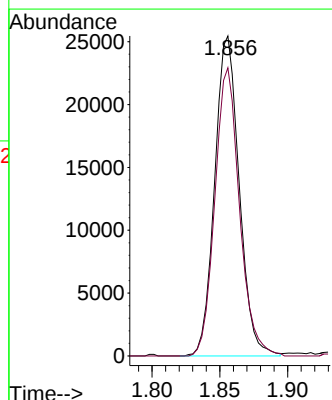
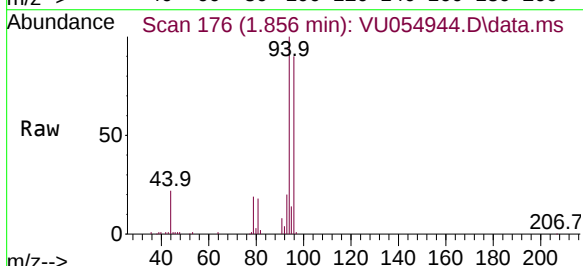
Acq: 29 Aug 2023 09:40

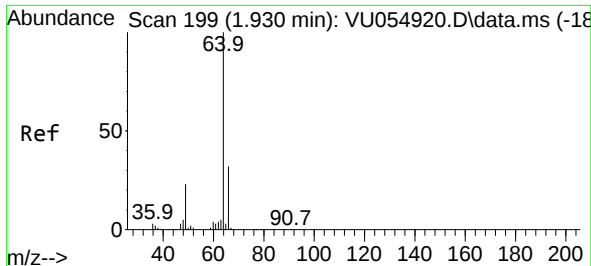
Tgt Ion: 94 Resp: 32020

Ion Ratio Lower Upper

94 100

96 90.0 65.5 121.7

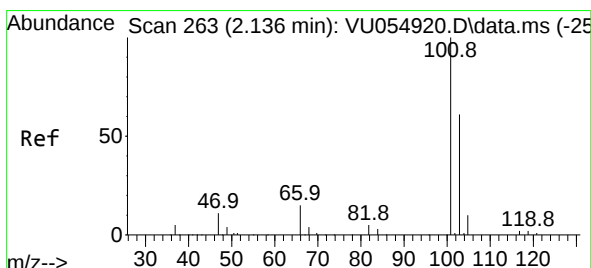
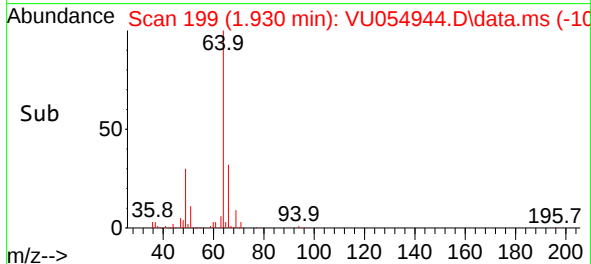
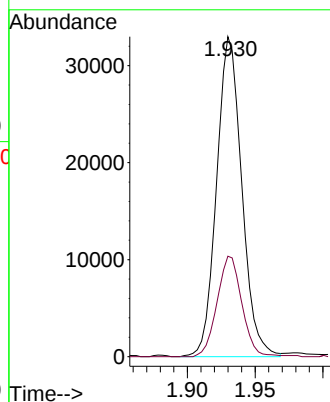
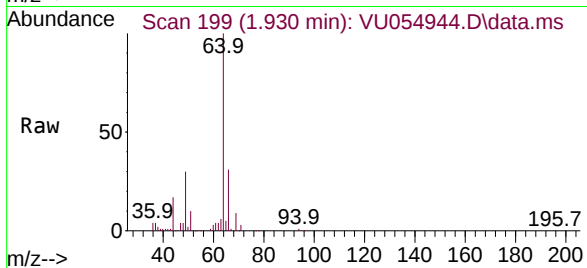




#8
Chloroethane
Concen: 4.840 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

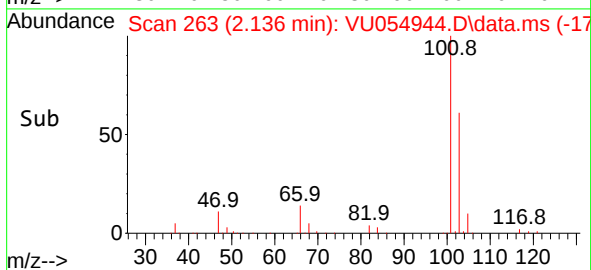
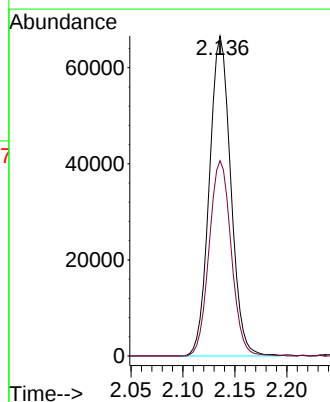
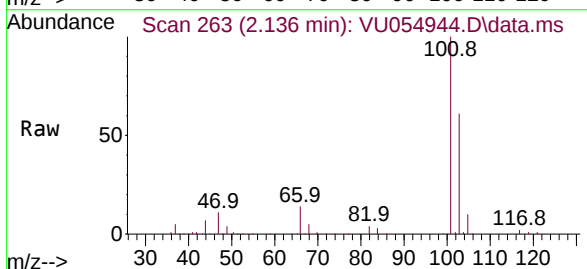
Instrument :
MSVOA_U
ClientSampleId :

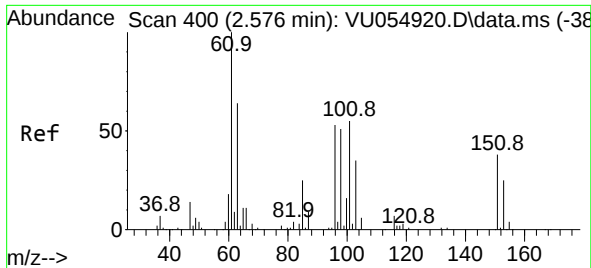
Tgt Ion: 64 Resp: 42586
Ion Ratio Lower Upper
64 100
66 31.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.019 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:101 Resp: 95548
Ion Ratio Lower Upper
101 100
103 62.8 51.0 76.4

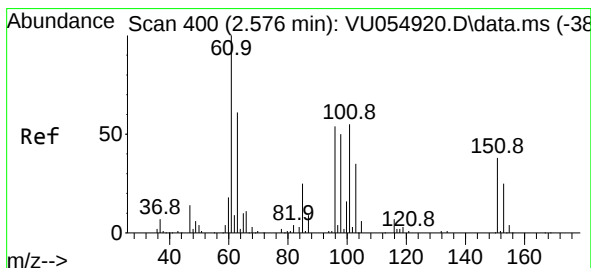
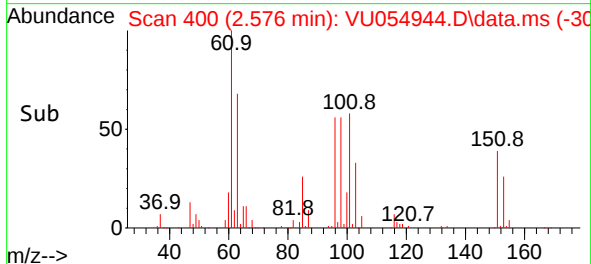
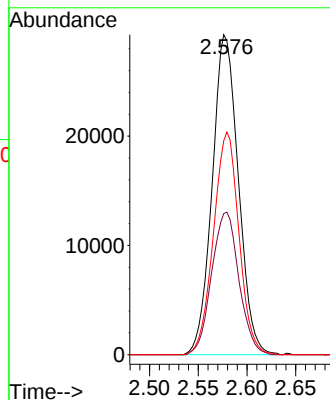
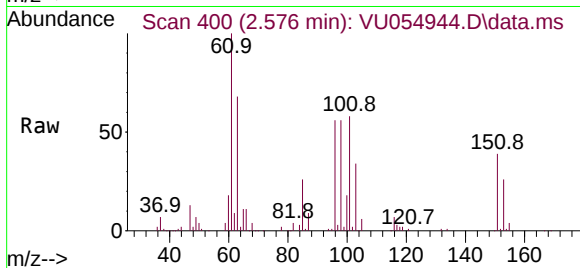




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.291 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

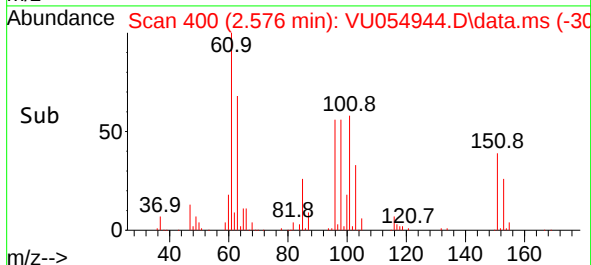
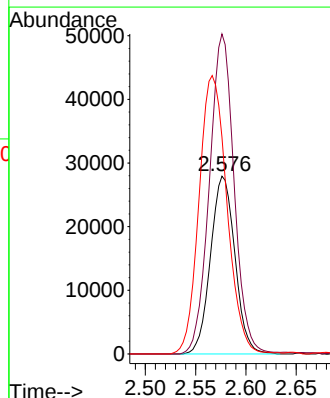
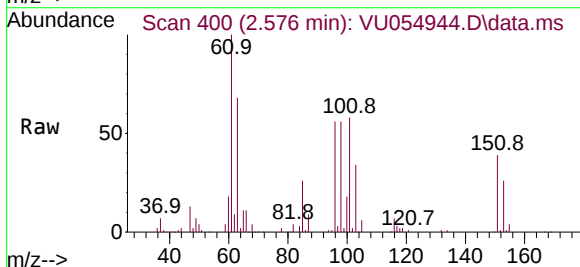
Instrument :
 MSVOA_U
 ClientSampleId :

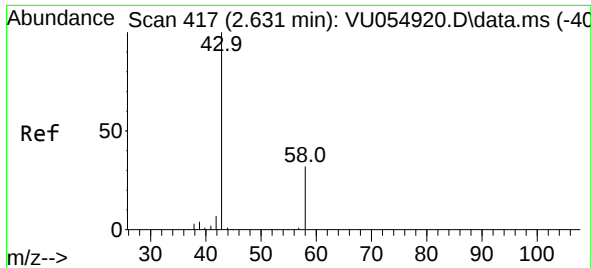
Tgt Ion:101 Resp: 54719
 Ion Ratio Lower Upper
 101 100
 85 46.3 38.3 57.5
 151 67.8 51.5 77.3



#12
 1,1-Dichloroethene
 Concen: 5.240 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

Tgt Ion: 96 Resp: 47168
 Ion Ratio Lower Upper
 96 100
 61 180.0 132.4 245.8
 63 121.9 82.5 153.1





#13

Acetone

Concen: 47.951 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

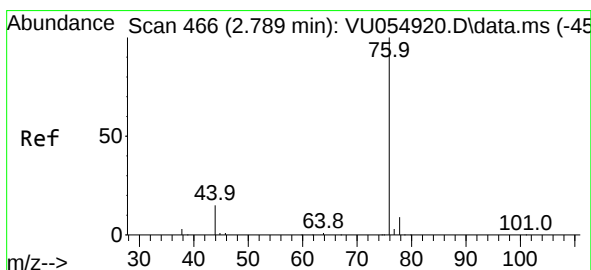
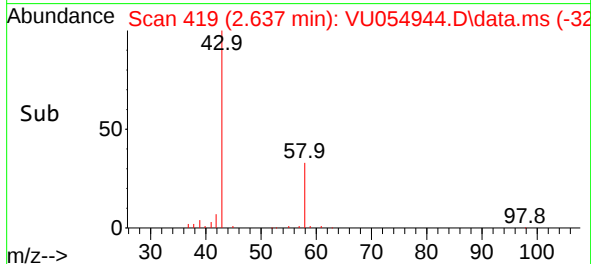
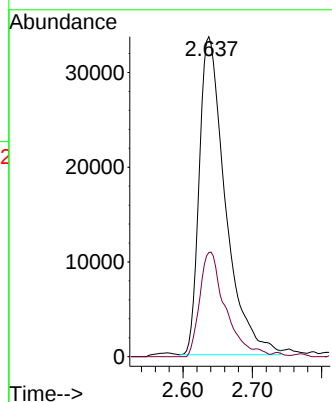
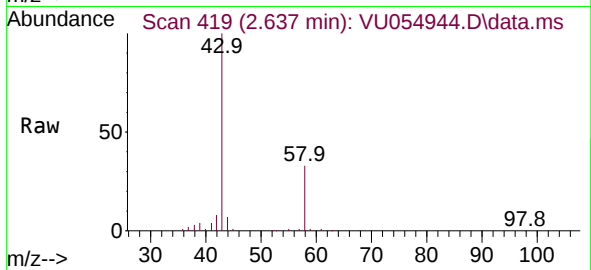
ClientSampleId :

Tgt Ion: 43 Resp: 88023

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.4



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU054944.D

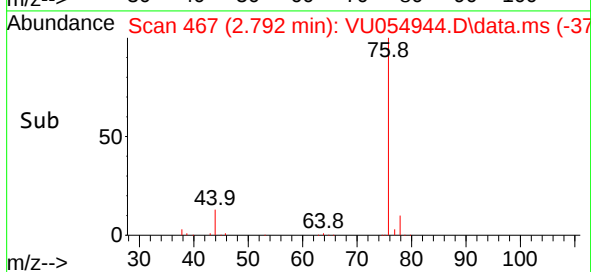
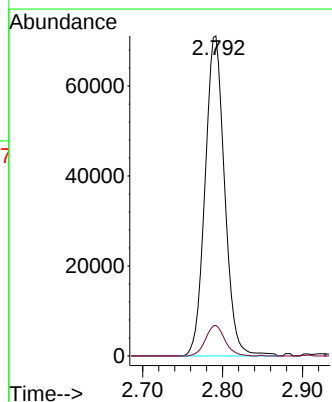
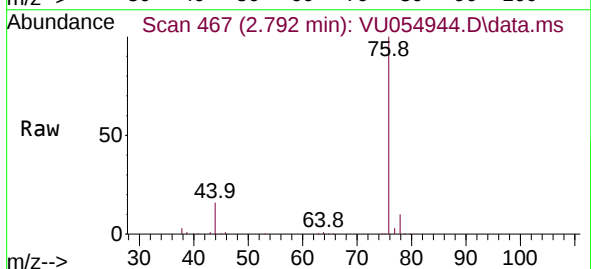
Acq: 29 Aug 2023 09:40

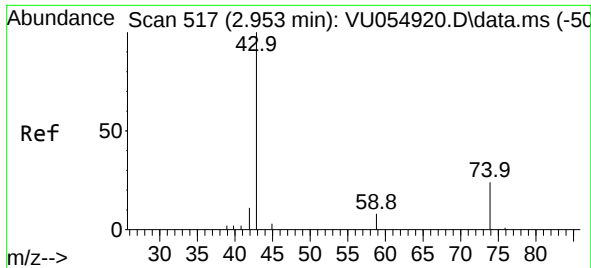
Tgt Ion: 76 Resp: 121118

Ion Ratio Lower Upper

76 100

78 9.7 8.2 12.2

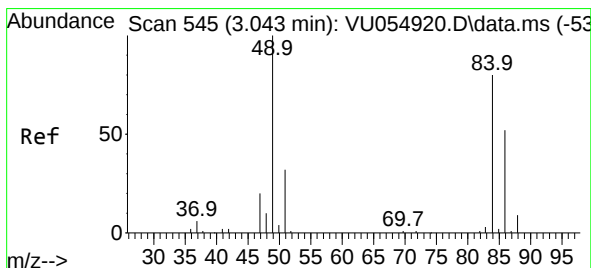
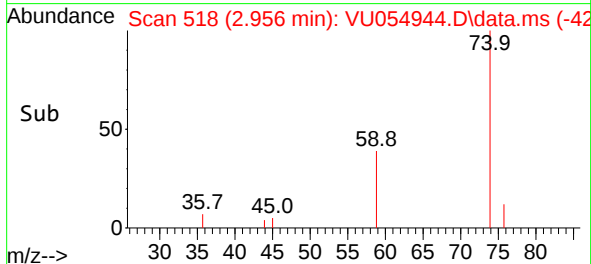
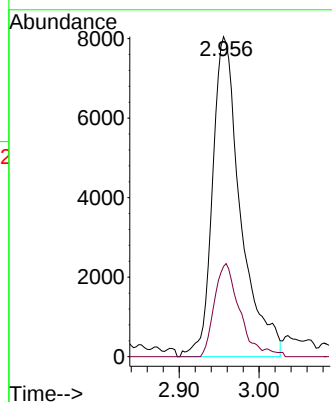
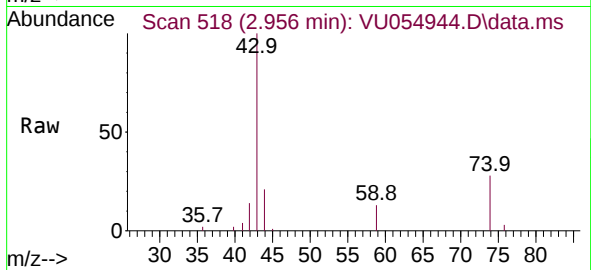




#15
Methyl Acetate
Concen: 5.226 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

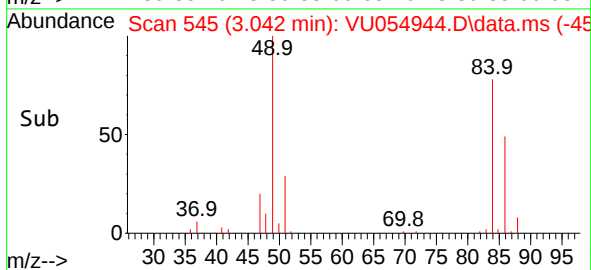
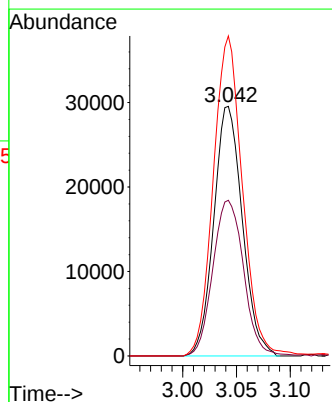
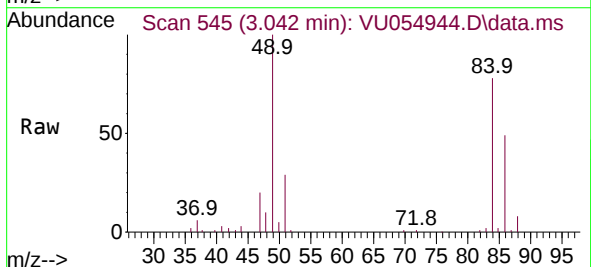
Instrument :
MSVOA_U
ClientSampleId :

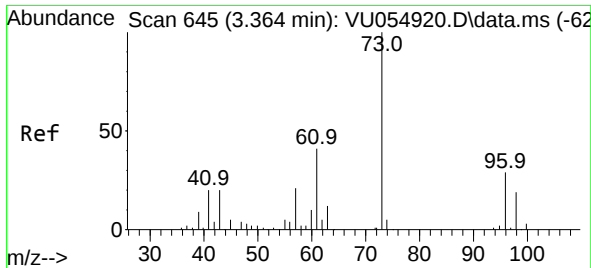
Tgt Ion: 43 Resp: 19637
Ion Ratio Lower Upper
43 100
74 25.3 19.5 29.3



#16
Methylene chloride
Concen: 3.954 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

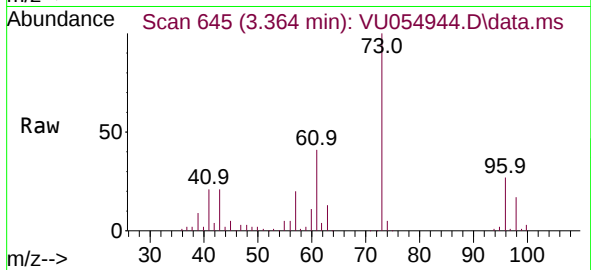
Tgt Ion: 84 Resp: 54681
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.7
49 128.2 89.5 166.3



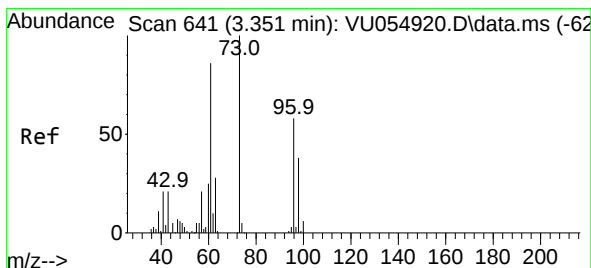
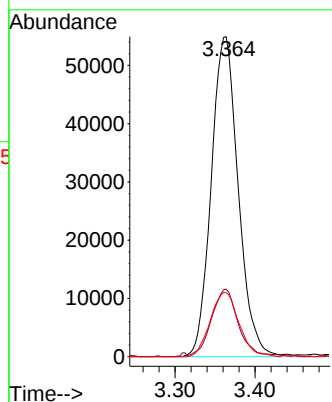
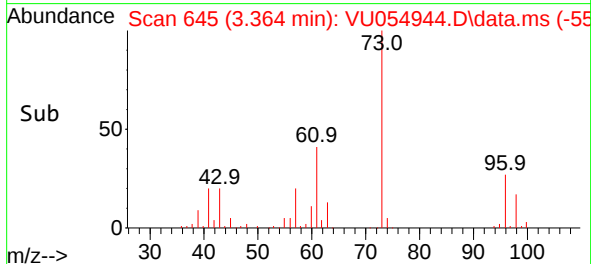


#17
Methyl tert-butyl Ether
Concen: 4.912 ug/L
RT: 3.364 min Scan# 645
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Instrument :
MSVOA_U
ClientSampleId :

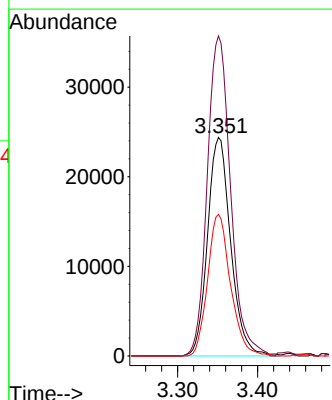
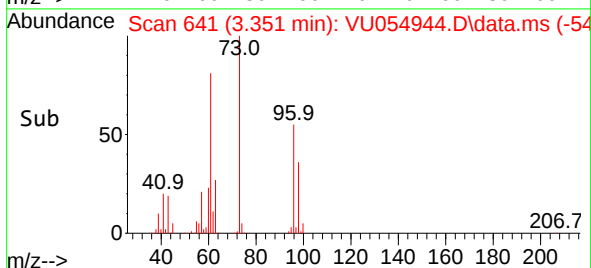
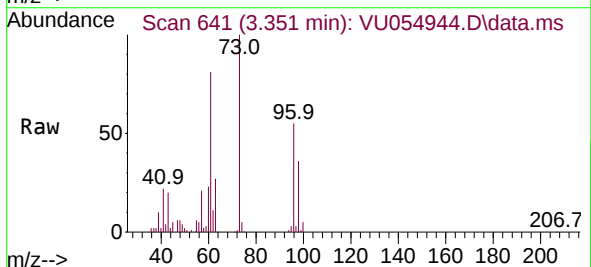


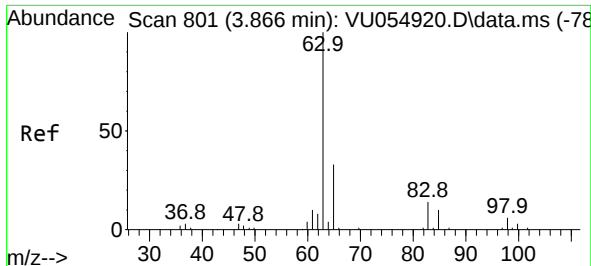
Tgt Ion: 73 Resp: 128672
Ion Ratio Lower Upper
73 100
43 21.2 16.2 24.2
57 21.3 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 5.005 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion: 96 Resp: 49229
Ion Ratio Lower Upper
96 100
61 146.4 108.8 202.0
98 64.8 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.054 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

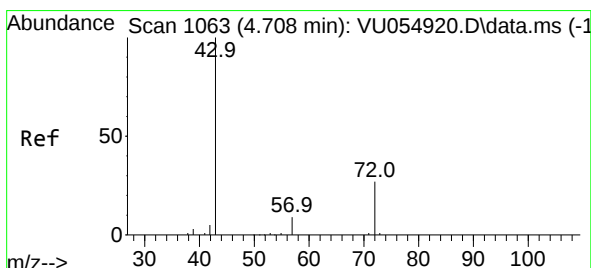
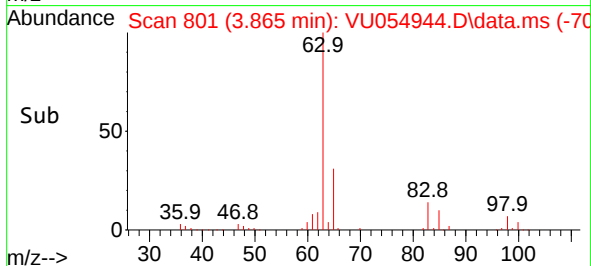
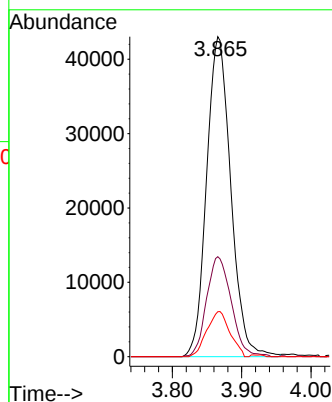
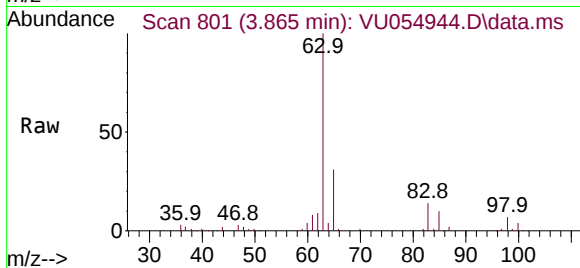
Tgt Ion: 63 Resp: 104280

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 14.0 9.5 17.7



#21

2-Butanone

Concen: 47.282 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.003 min

Lab File: VU054944.D

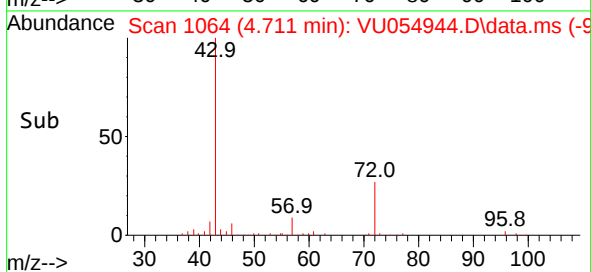
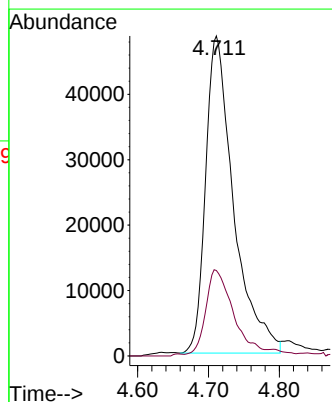
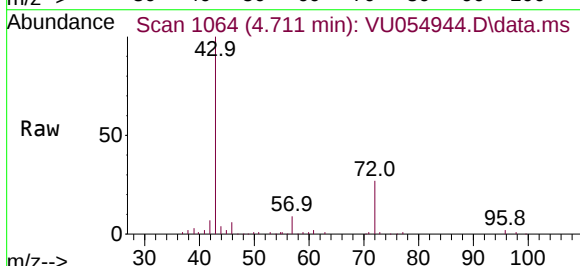
Acq: 29 Aug 2023 09:40

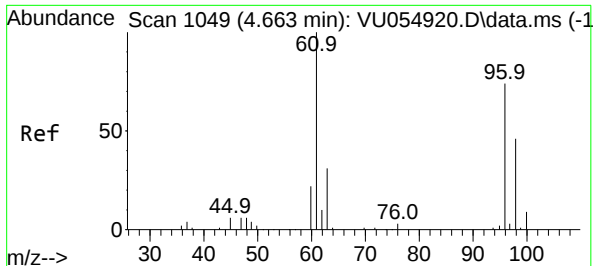
Tgt Ion: 43 Resp: 132999

Ion Ratio Lower Upper

43 100

72 25.7 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.091 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

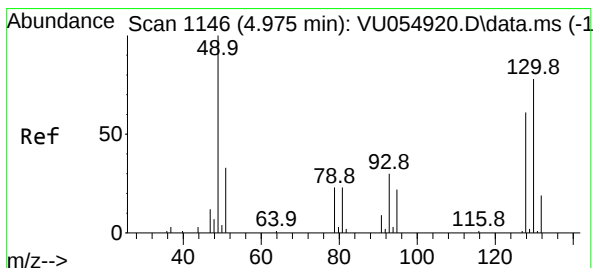
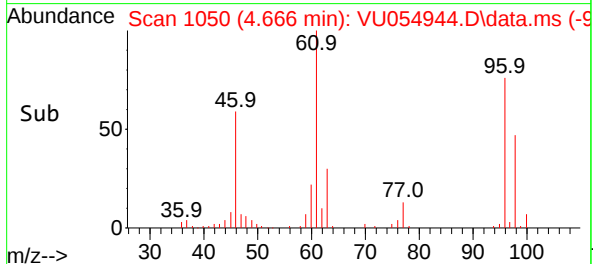
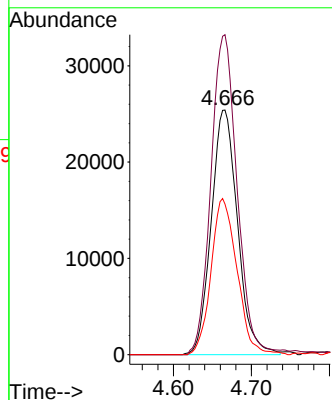
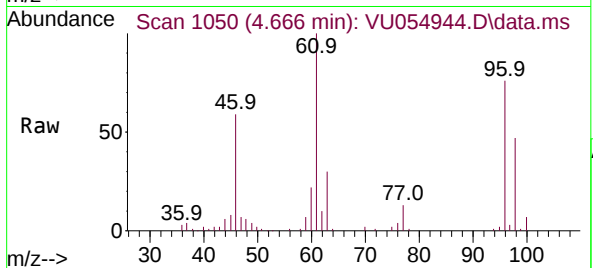
Tgt Ion: 96 Resp: 59706

Ion Ratio Lower Upper

96 100

61 130.8 88.4 164.2

98 61.5 44.0 81.6



#23

Bromochloromethane

Concen: 4.875 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Tgt Ion: 128 Resp: 24739

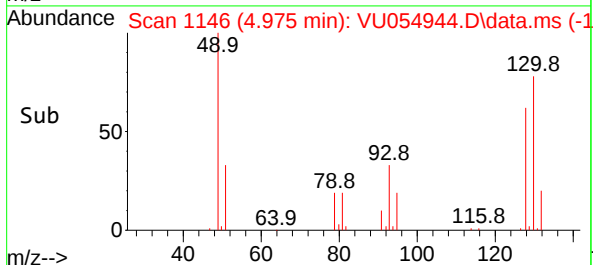
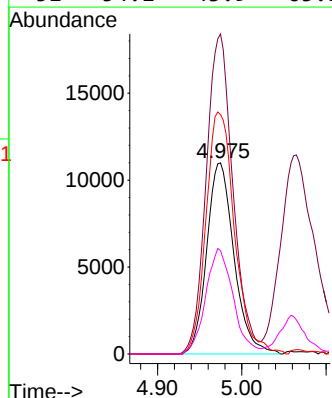
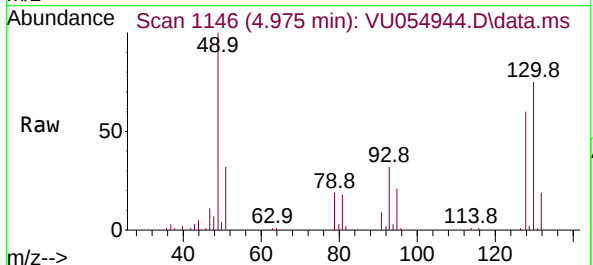
Ion Ratio Lower Upper

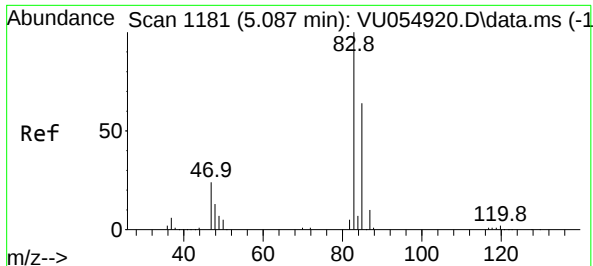
128 100

49 174.6 113.8 211.3

130 125.3 83.9 155.7

51 54.1 43.9 65.9





#25

Chloroform

Concen: 4.852 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

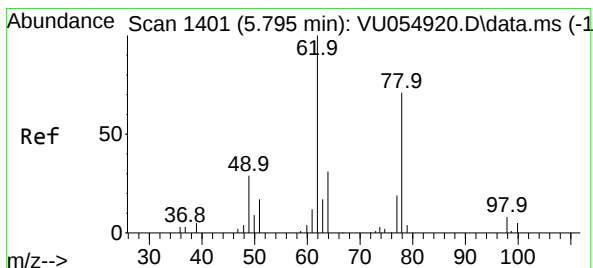
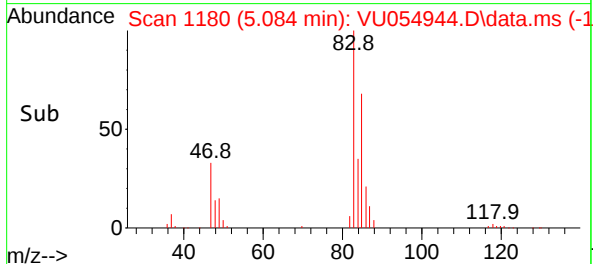
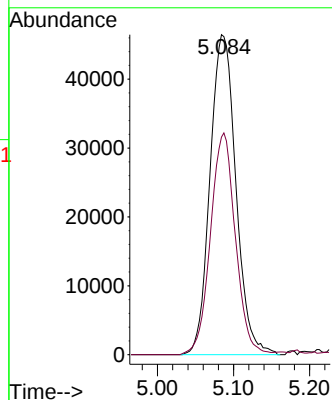
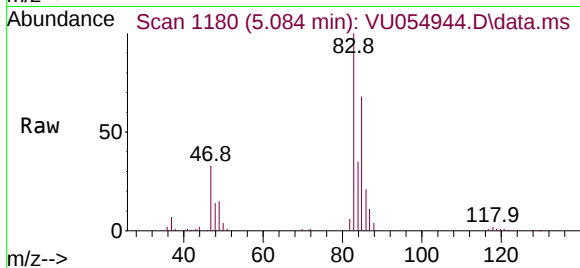
ClientSampleId :

Tgt Ion: 83 Resp: 109810

Ion Ratio Lower Upper

83 100

85 68.0 46.7 86.7



#27

1,2-Dichloroethane

Concen: 4.804 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. -0.000 min

Lab File: VU054944.D

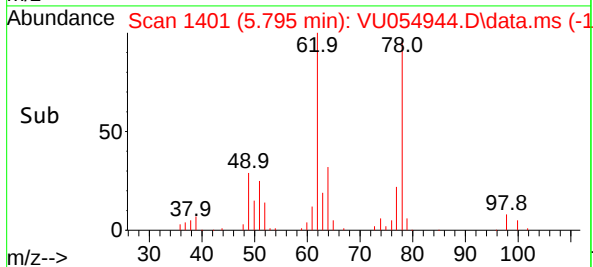
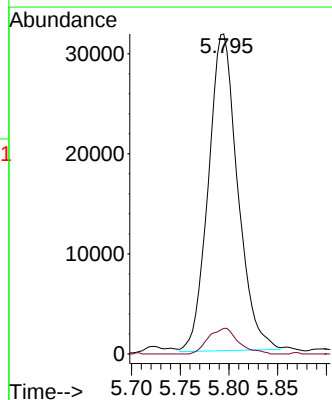
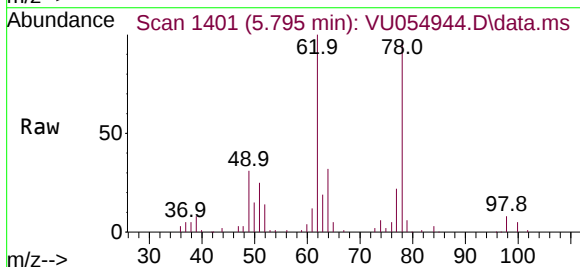
Acq: 29 Aug 2023 09:40

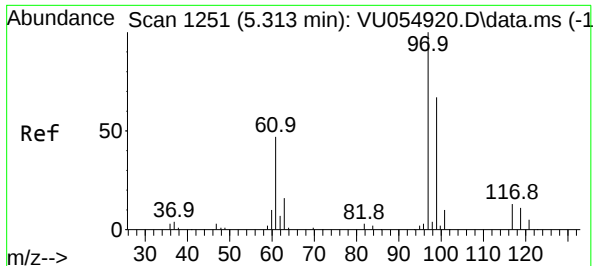
Tgt Ion: 62 Resp: 66425

Ion Ratio Lower Upper

62 100

98 8.0 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.954 ug/L

RT: 5.316 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

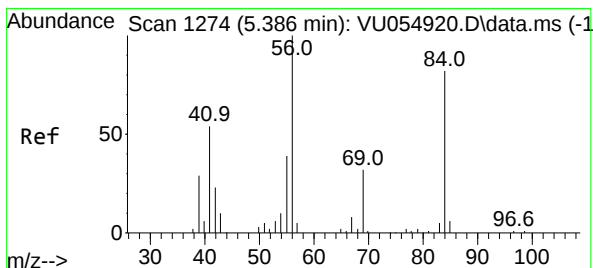
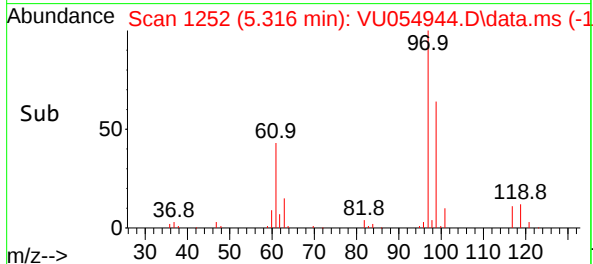
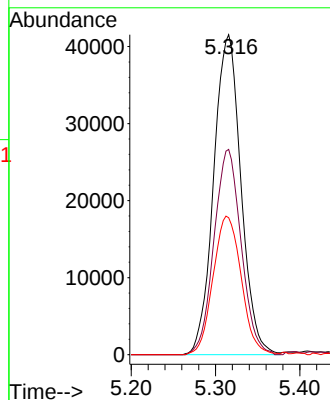
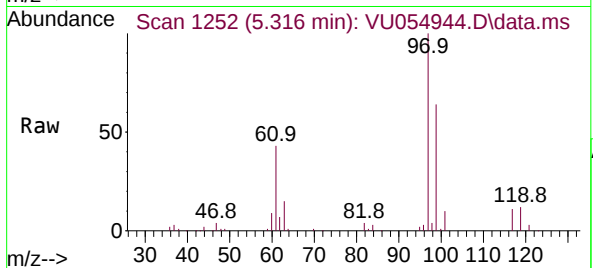
Tgt Ion: 97 Resp: 93576

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 44.6 37.2 55.8



#30

Cyclohexane

Concen: 5.005 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

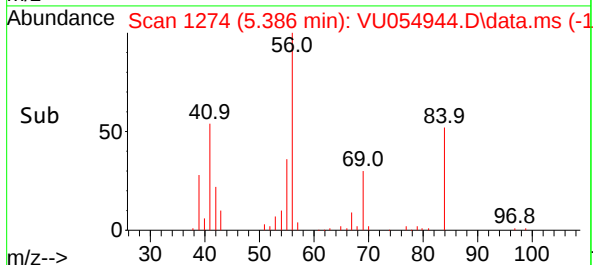
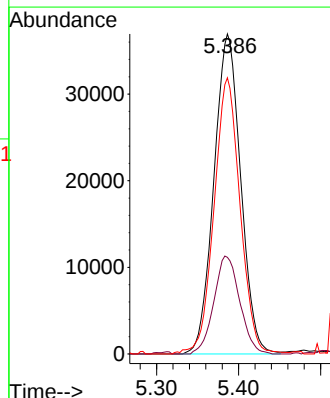
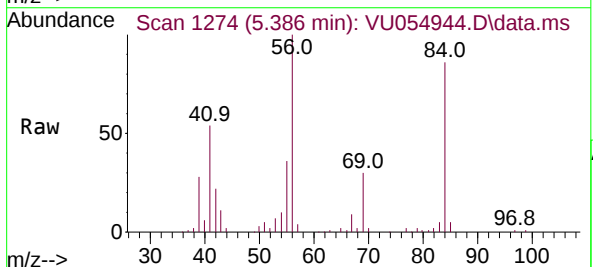
Tgt Ion: 56 Resp: 83807

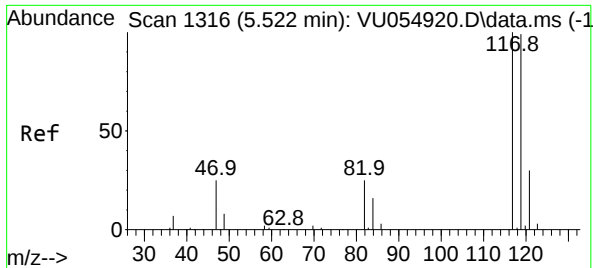
Ion Ratio Lower Upper

56 100

69 29.6 24.5 36.7

84 84.0 71.3 106.9

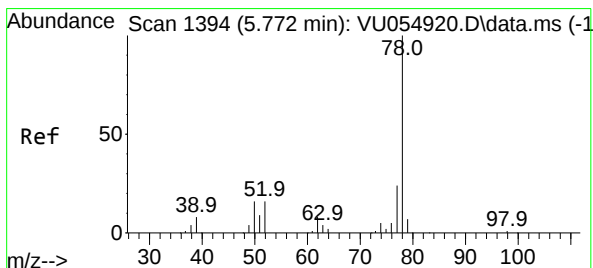
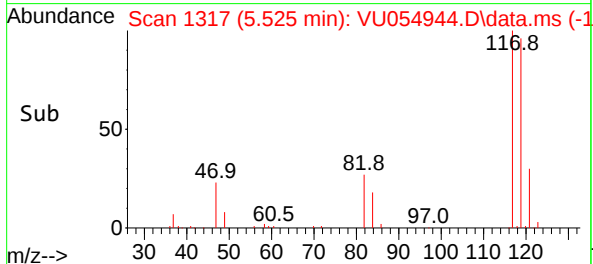
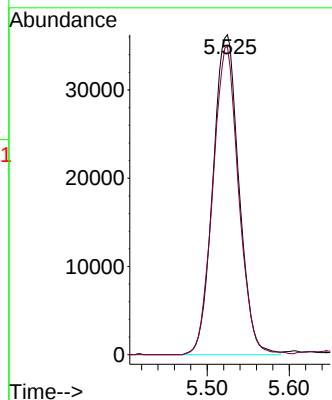
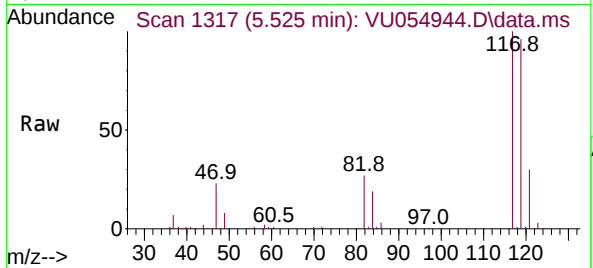




#31
Carbon tetrachloride
Concen: 4.957 ug/L
RT: 5.525 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

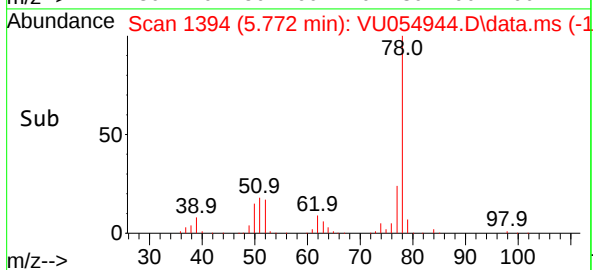
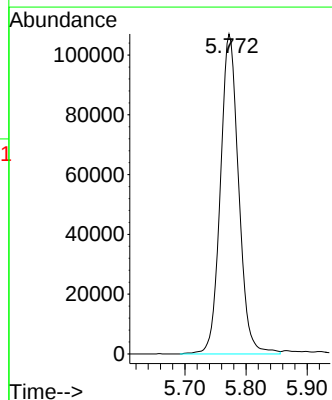
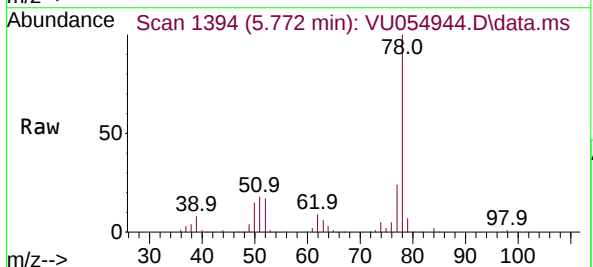
Instrument :
MSVOA_U
ClientSampleId :

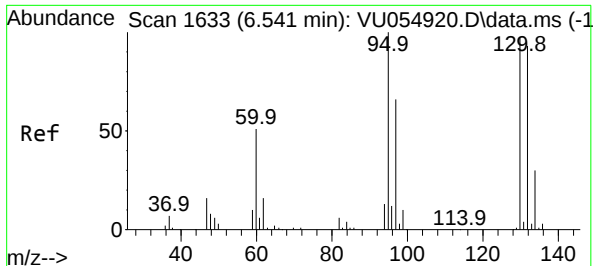
Tgt Ion:117 Resp: 79660
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0



#33
Benzene
Concen: 4.967 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

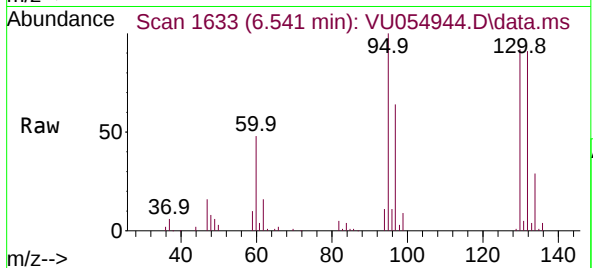
Tgt Ion: 78 Resp: 222644



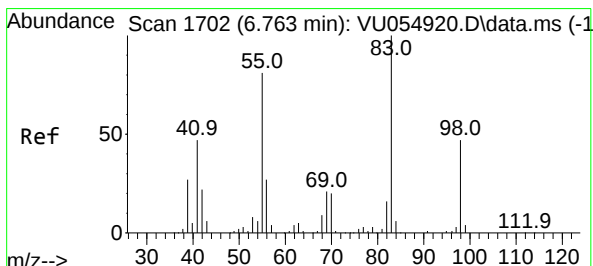
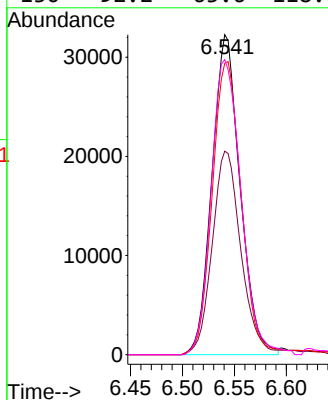
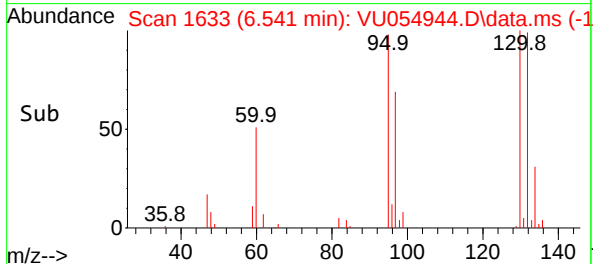


#34
Trichloroethene
Concen: 4.895 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

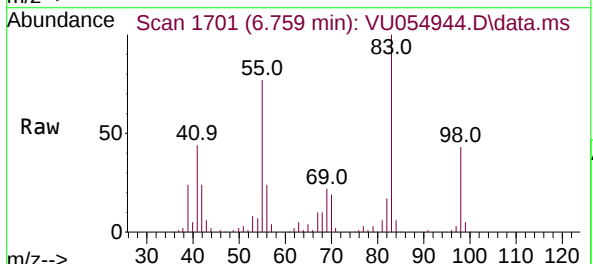
Instrument :
MSVOA_U
ClientSampleId :



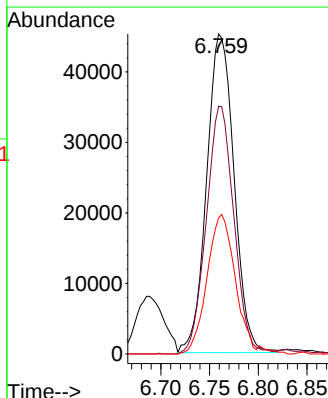
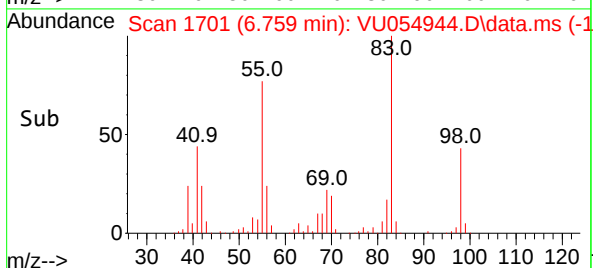
Tgt Ion: 95 Resp: 60820
Ion Ratio Lower Upper
95 100
97 63.6 44.1 81.9
132 91.1 63.6 118.2
130 92.2 63.6 118.0

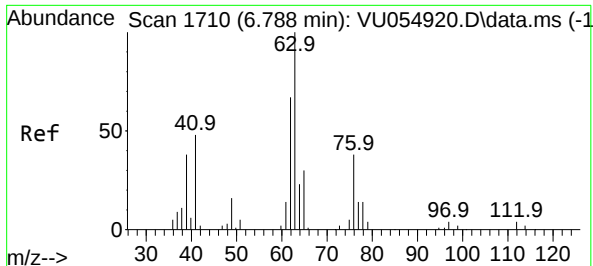


#35
Methylcyclohexane
Concen: 4.810 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40



Tgt Ion: 83 Resp: 88411
Ion Ratio Lower Upper
83 100
55 78.3 62.1 93.1
98 44.6 37.8 56.6





#37

1,2-Dichloropropane

Concen: 4.813 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

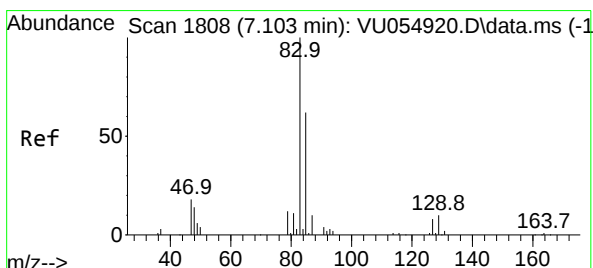
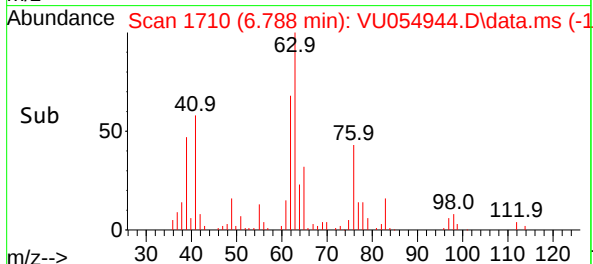
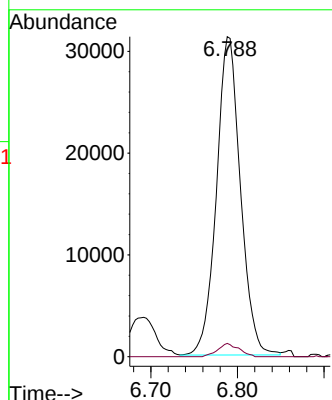
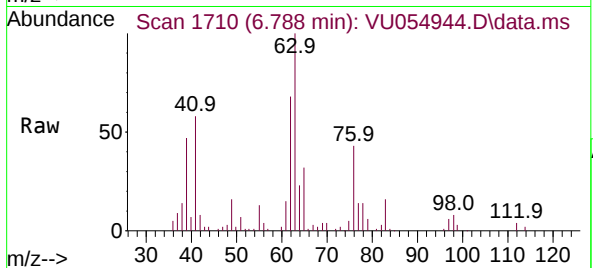
ClientSampleId :

Tgt Ion: 63 Resp: 60147

Ion Ratio Lower Upper

63 100

112 3.7 2.7 4.1



#38

Bromodichloromethane

Concen: 4.870 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

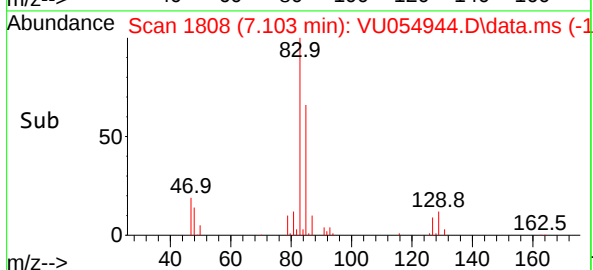
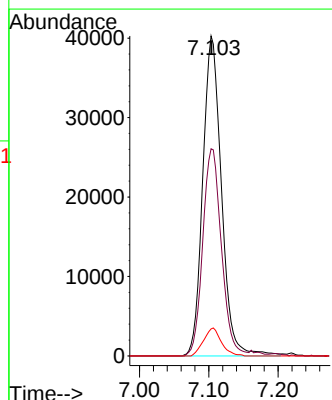
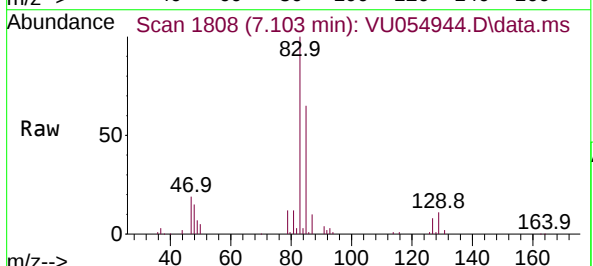
Tgt Ion: 83 Resp: 75507

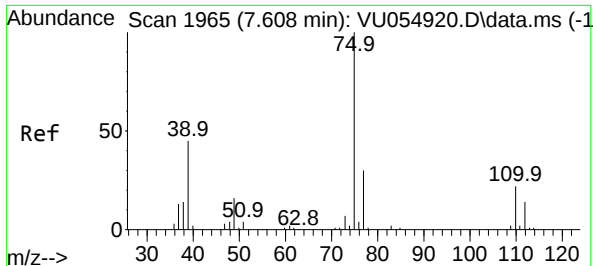
Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

127 8.5 7.1 10.7

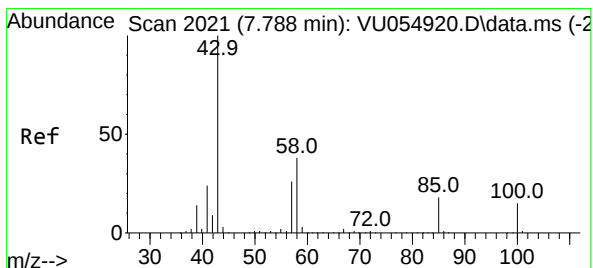
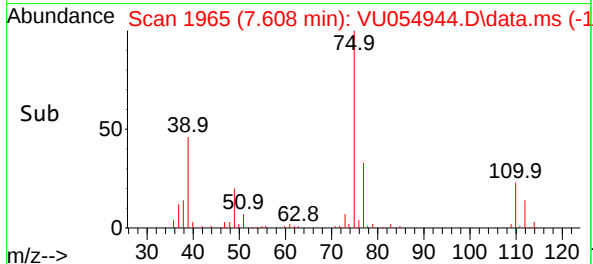
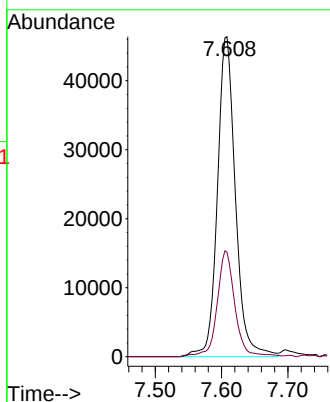
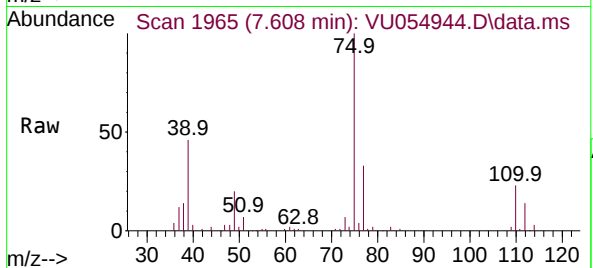




#39
 cis-1,3-Dichloropropene
 Concen: 4.859 ug/L
 RT: 7.608 min Scan# 1965
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

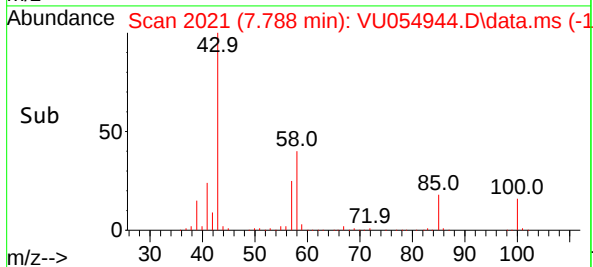
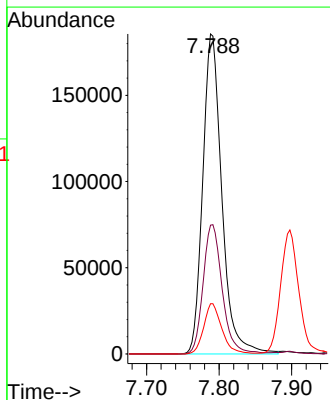
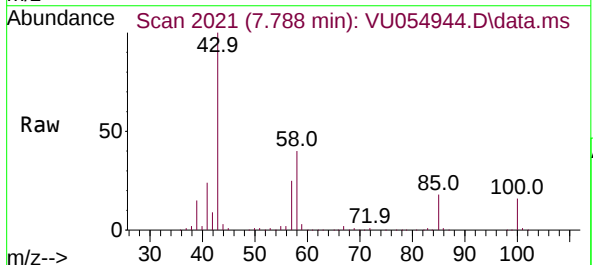
Instrument :
 MSVOA_U
 ClientSampleId :

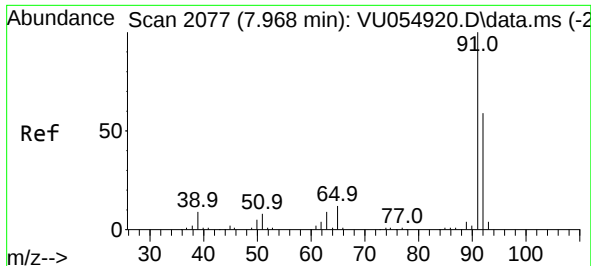
Tgt Ion: 75 Resp: 87504
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 48.770 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU054944.D
 Acq: 29 Aug 2023 09:40

Tgt Ion: 43 Resp: 339785
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.1 48.1
 100 15.0 11.8 17.6





#42

Toluene

Concen: 4.891 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

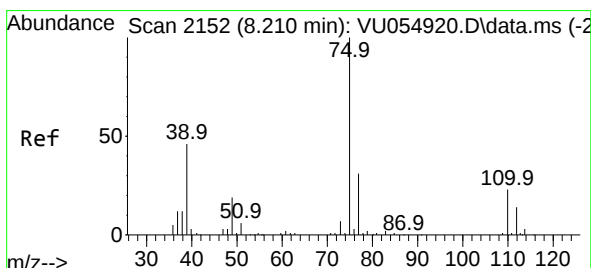
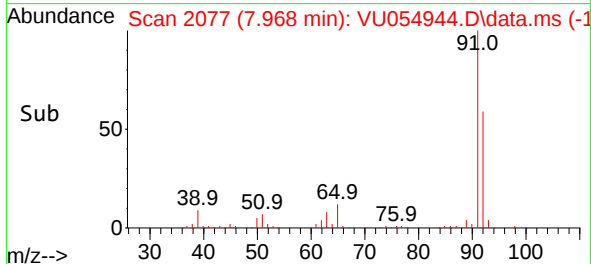
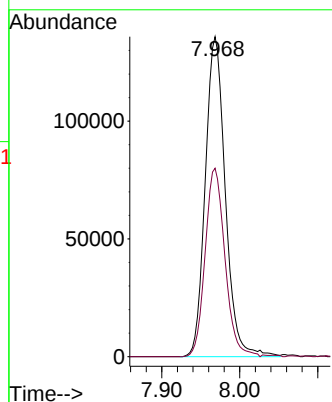
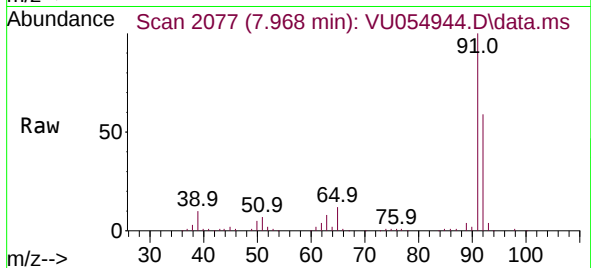
ClientSampleId :

Tgt Ion: 91 Resp: 243310

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.790 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU054944.D

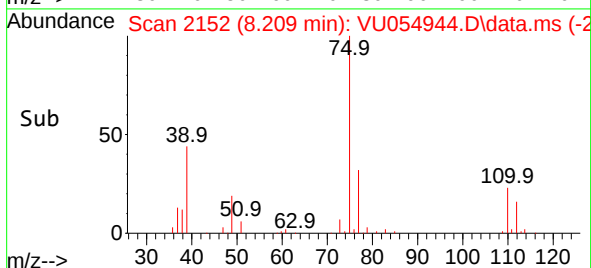
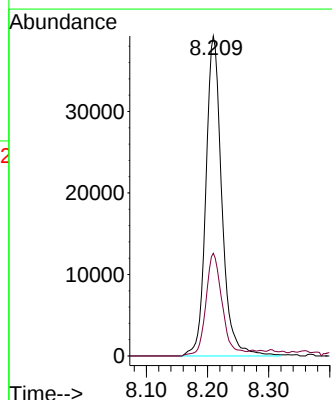
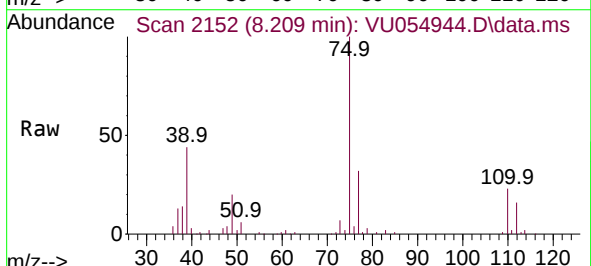
Acq: 29 Aug 2023 09:40

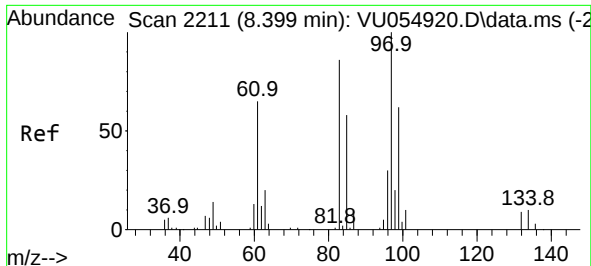
Tgt Ion: 75 Resp: 71243

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 5.025 ug/L

RT: 8.399 min Scan# 21

Delta R.T. -0.000 min

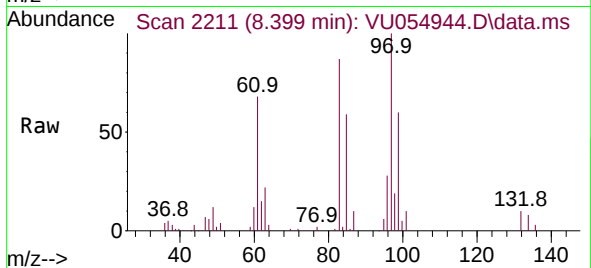
Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 42387

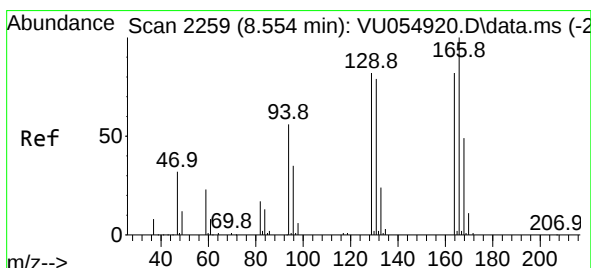
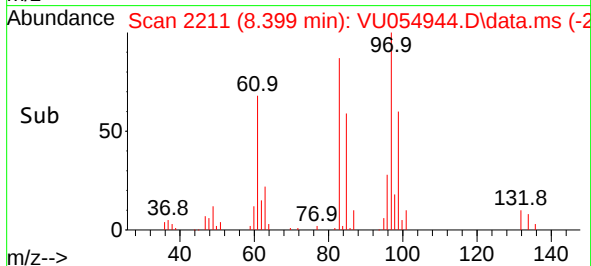
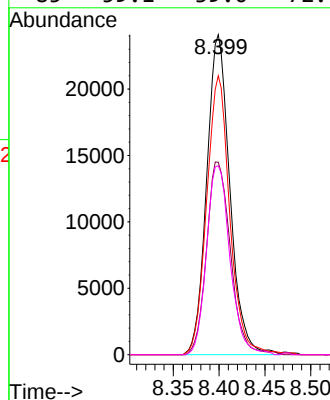
Ion Ratio Lower Upper

97 100

99 60.1 41.5 77.1

83 87.2 59.8 111.1

85 59.1 39.0 72.4



#47

Tetrachloroethene

Concen: 4.963 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Tgt Ion: 164 Resp: 44308

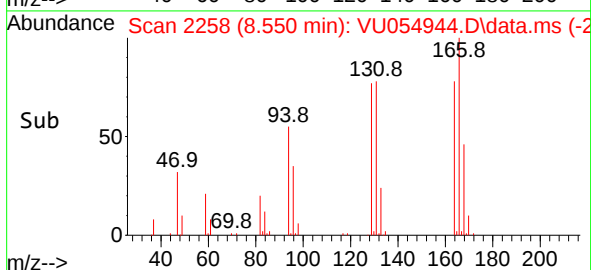
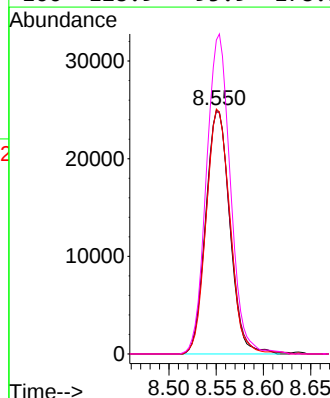
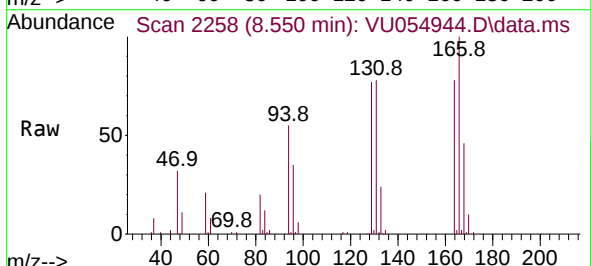
Ion Ratio Lower Upper

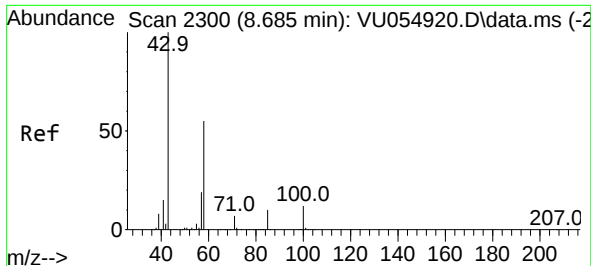
164 100

129 99.5 72.8 135.2

131 100.6 70.7 131.3

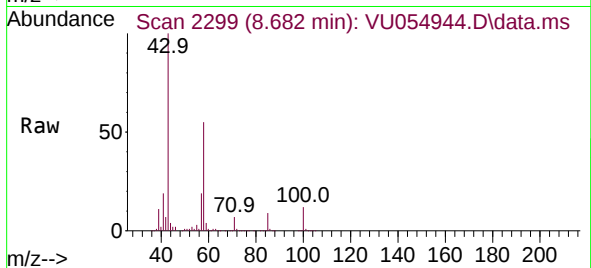
166 128.9 95.9 178.1



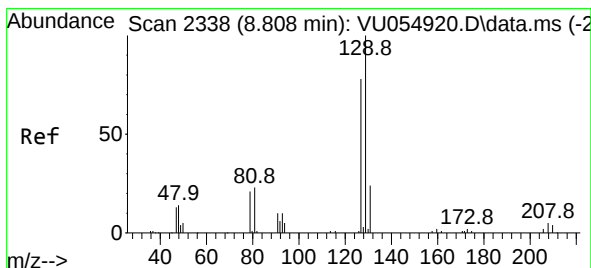
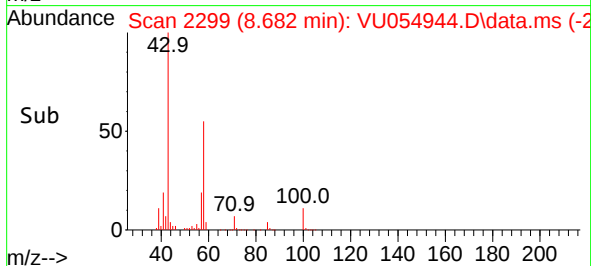
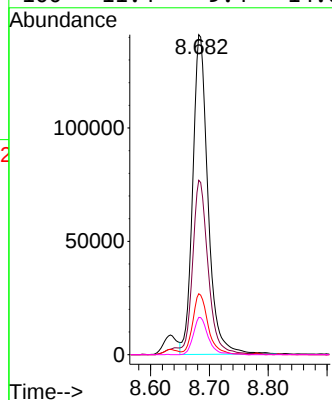


#48
2-Hexanone
Concen: 49.274 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Instrument :
MSVOA_U
ClientSampleId :

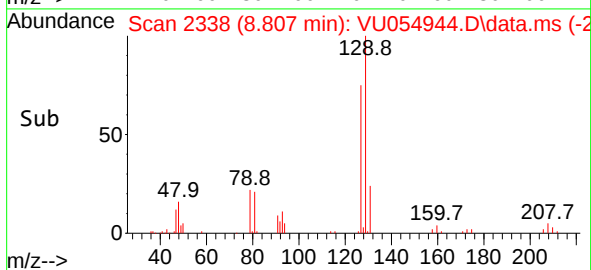
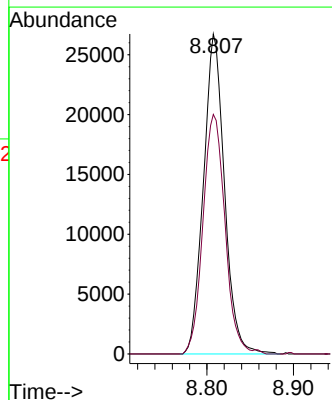
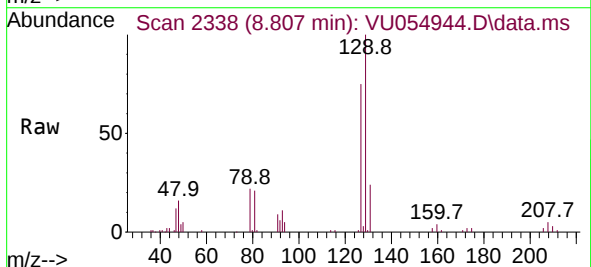


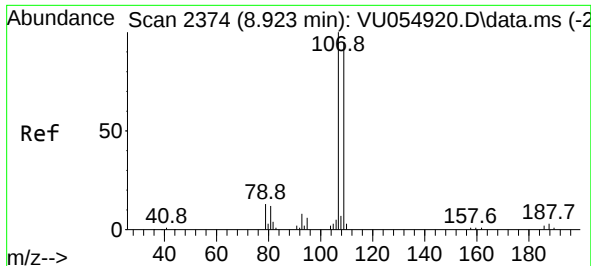
Tgt Ion:	43	Resp:	254236
Ion	Ratio	Lower	Upper
43	100		
58	57.7	44.0	66.0
57	19.3	15.9	23.9
100	11.4	9.4	14.0



#49
Dibromochloromethane
Concen: 4.616 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:	129	Resp:	45097
Ion	Ratio	Lower	Upper
129	100		
127	74.9	60.5	112.5





#50

1,2-Dibromoethane

Concen: 4.983 ug/L

RT: 8.923 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054944.D

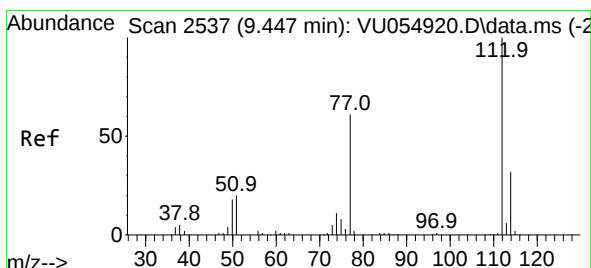
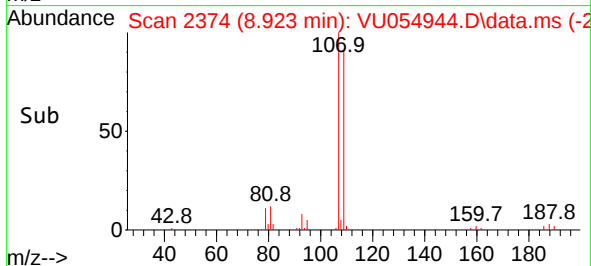
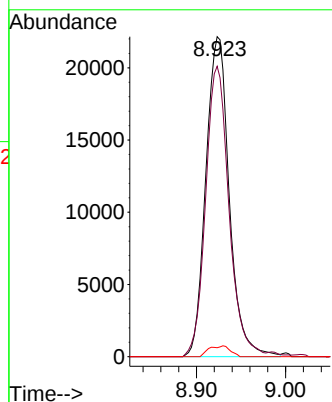
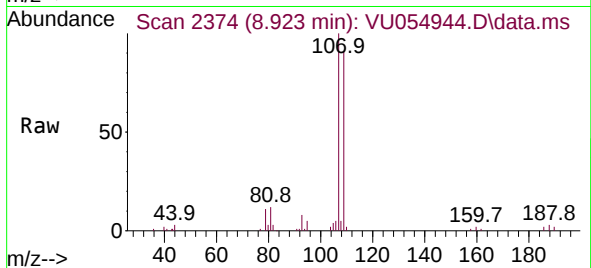
Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	40458
Ion	Ratio	Lower	Upper
107	100		
109	90.8	67.8	125.8
188	2.8	2.5	3.7



#51

Chlorobenzene

Concen: 4.870 ug/L

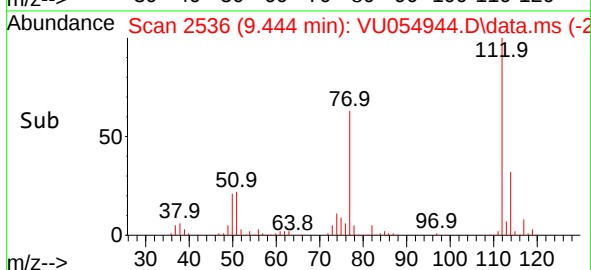
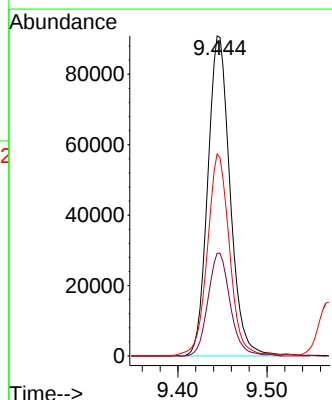
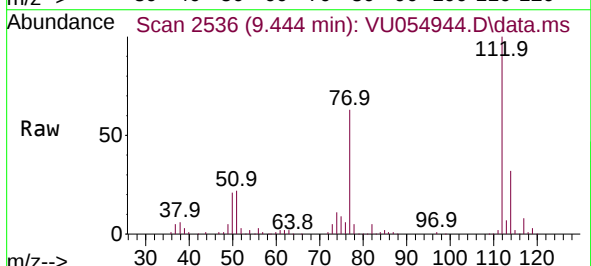
RT: 9.444 min Scan# 2536

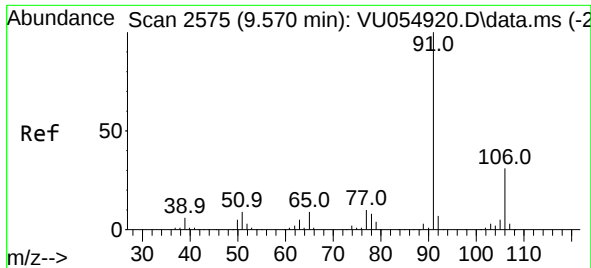
Delta R.T. -0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Tgt Ion:	112	Resp:	157668
Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.4	43.4
77	63.2	49.3	73.9

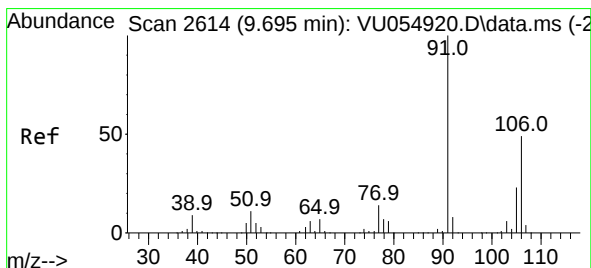
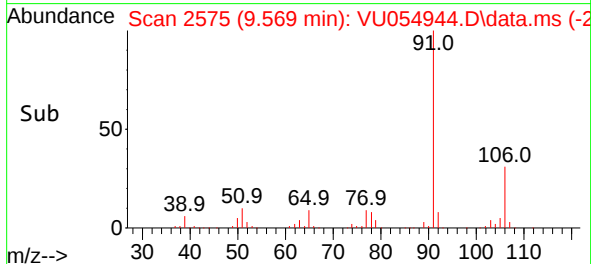
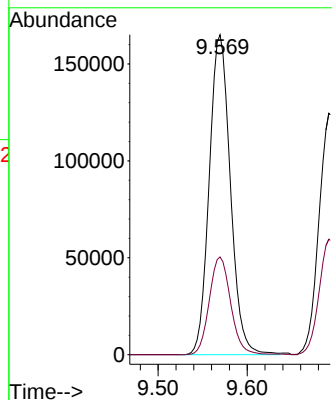
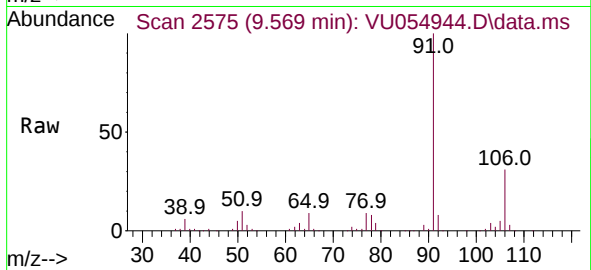




#52
Ethylbenzene
Concen: 4.841 ug/L
RT: 9.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

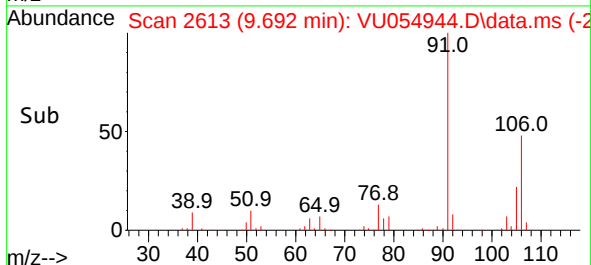
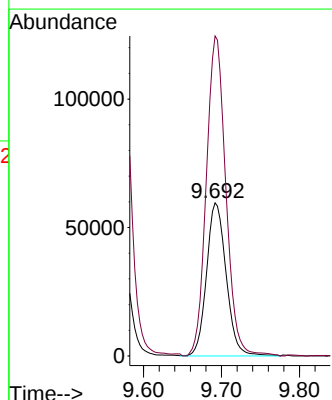
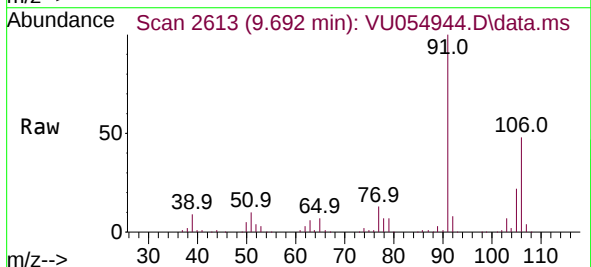
Instrument :
MSVOA_U
ClientSampleId :

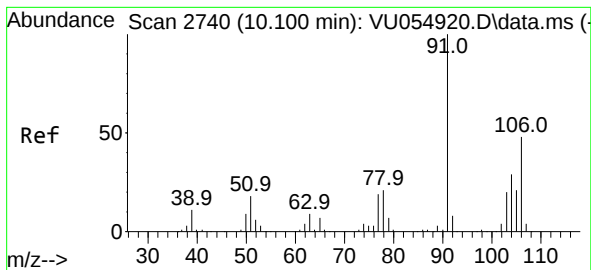
Tgt Ion: 91 Resp: 271613
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 4.961 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.003 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:106 Resp: 104316
Ion Ratio Lower Upper
106 100
91 209.1 147.7 274.3





#54

o-Xylene

Concen: 5.009 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

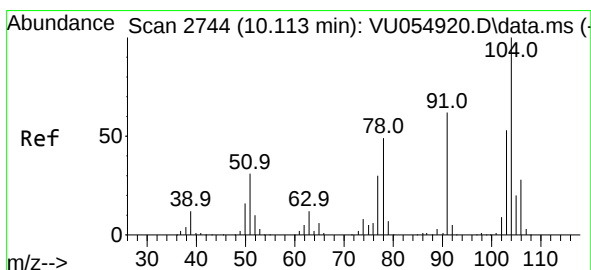
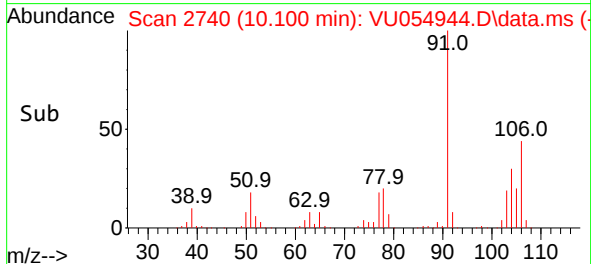
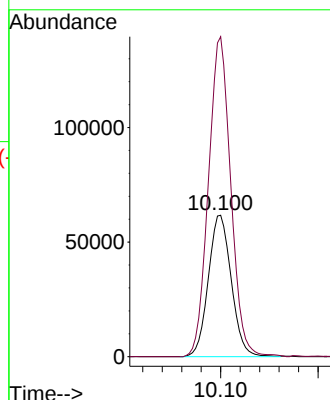
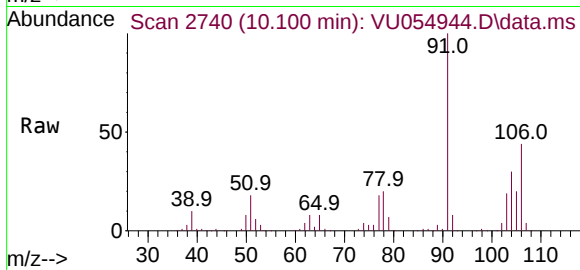
ClientSampleId :

Tgt Ion:106 Resp: 100957

Ion Ratio Lower Upper

106 100

91 226.2 154.2 286.4



#55

Styrene

Concen: 4.984 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU054944.D

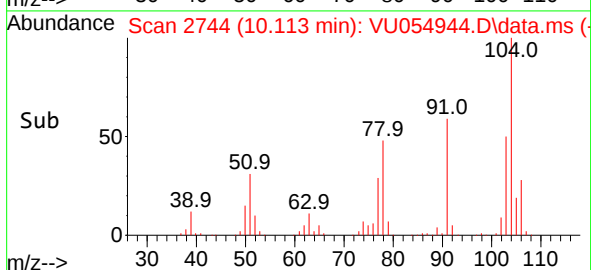
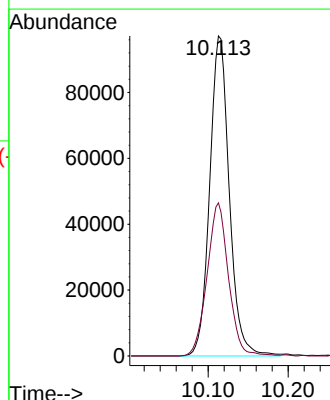
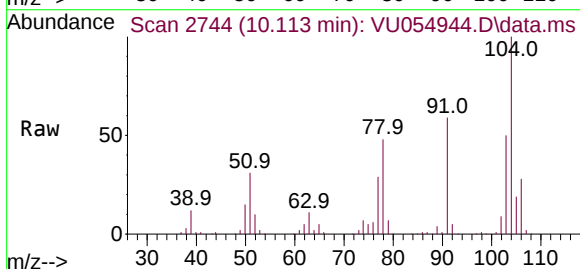
Acq: 29 Aug 2023 09:40

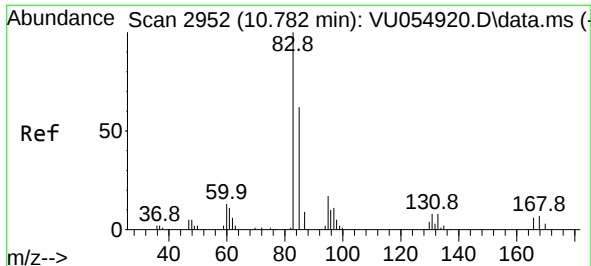
Tgt Ion:104 Resp: 165595

Ion Ratio Lower Upper

104 100

78 47.9 33.7 62.7

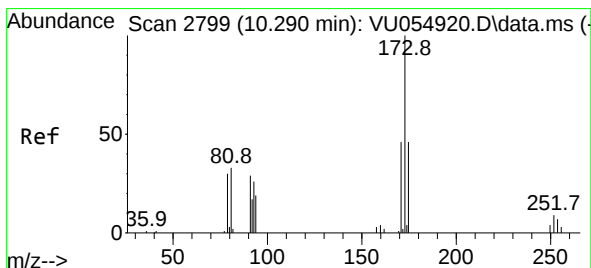
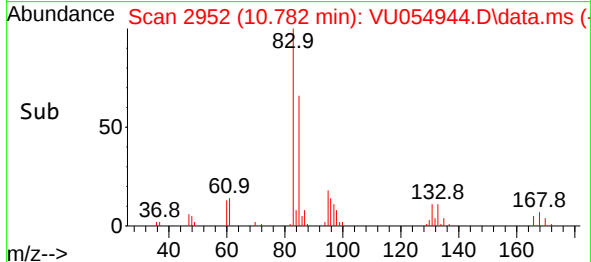
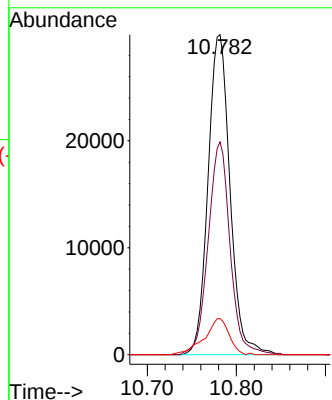
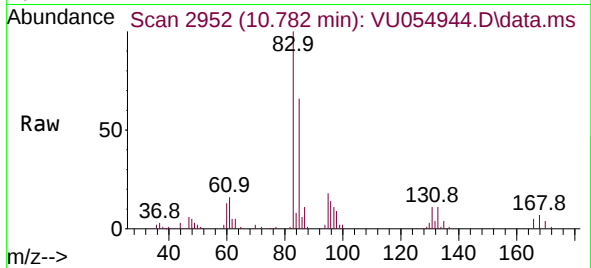




#57
1,1,2,2-Tetrachloroethane
Concen: 4.907 ug/L
RT: 10.782 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

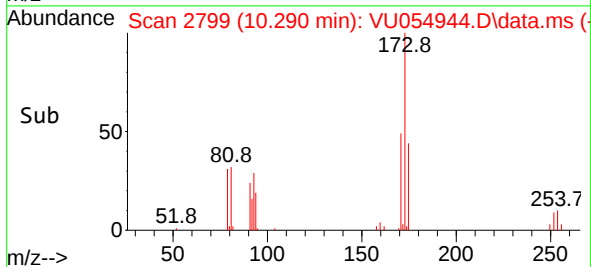
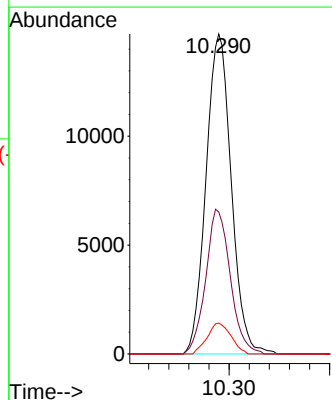
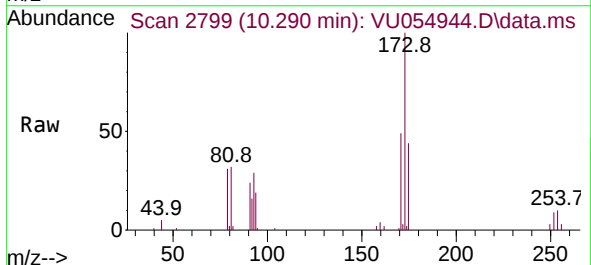
Instrument :
MSVOA_U
ClientSampleId :

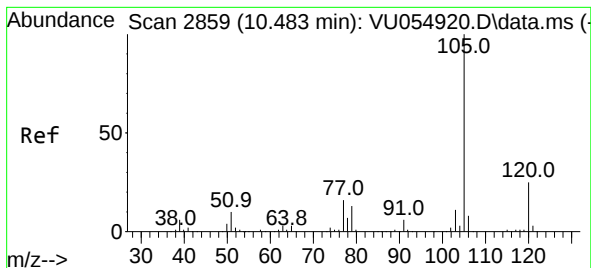
Tgt Ion: 83 Resp: 51196
Ion Ratio Lower Upper
83 100
85 66.5 46.1 85.5
131 11.3 7.7 11.5



#59
Bromoform
Concen: 4.987 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:173 Resp: 25587
Ion Ratio Lower Upper
173 100
175 44.0 40.8 61.2
254 9.1 6.8 10.2





#60

Isopropylbenzene

Concen: 5.011 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

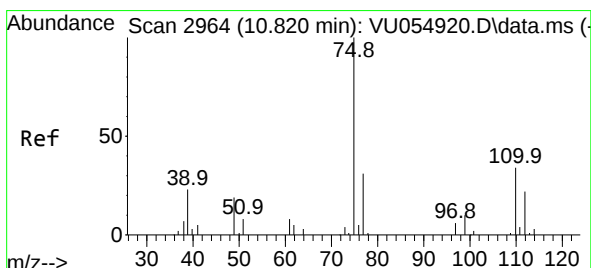
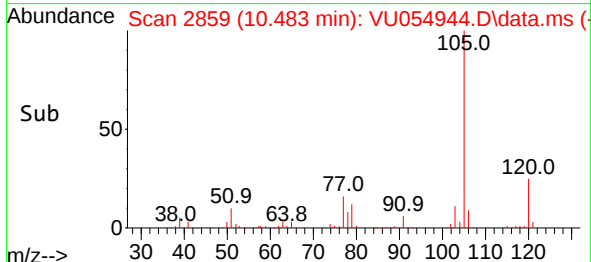
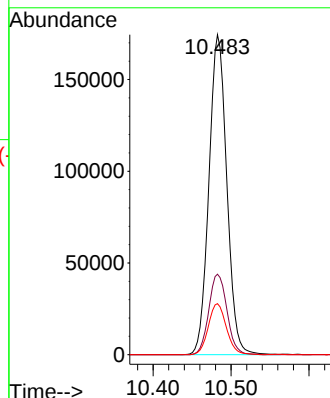
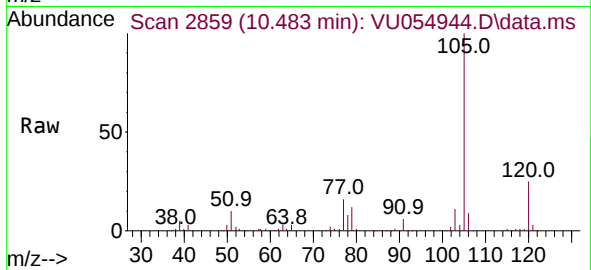
Tgt Ion:105 Resp: 277865

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

77 16.1 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.054 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

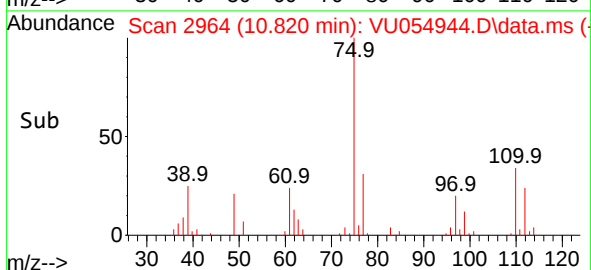
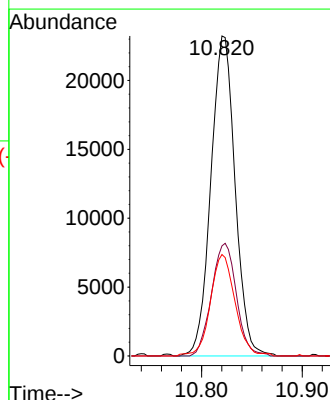
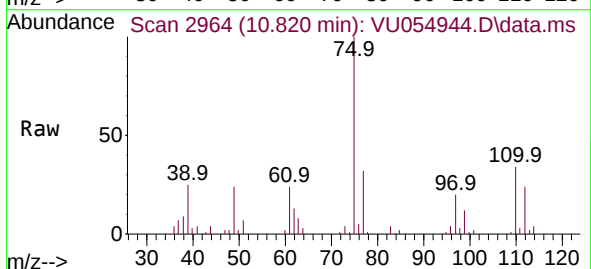
Tgt Ion: 75 Resp: 38866

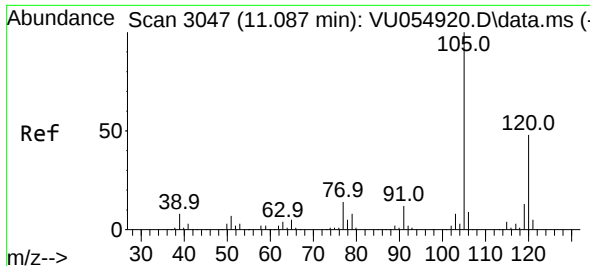
Ion Ratio Lower Upper

75 100

110 36.1 29.0 43.6

77 32.3 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.878 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

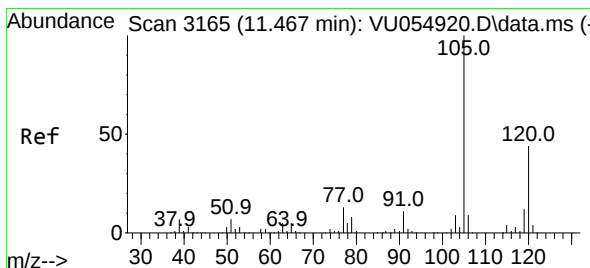
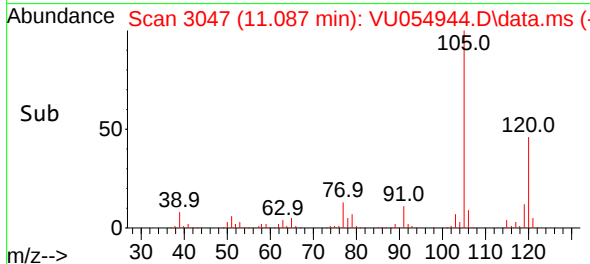
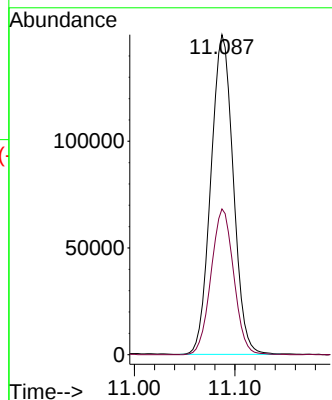
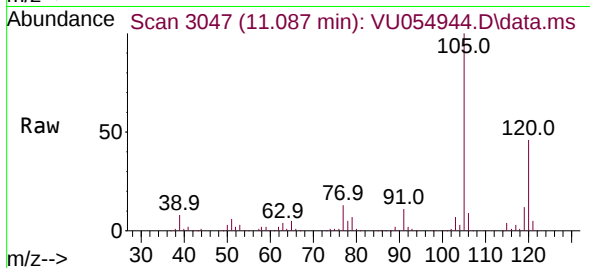
ClientSampleId :

Tgt Ion:105 Resp: 232126

Ion Ratio Lower Upper

105 100

120 46.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.966 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU054944.D

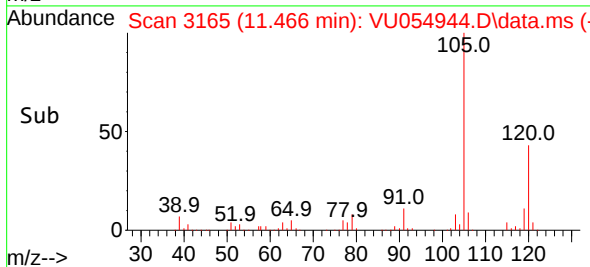
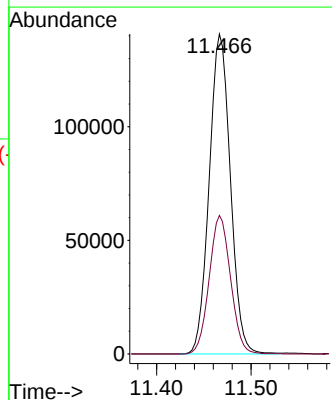
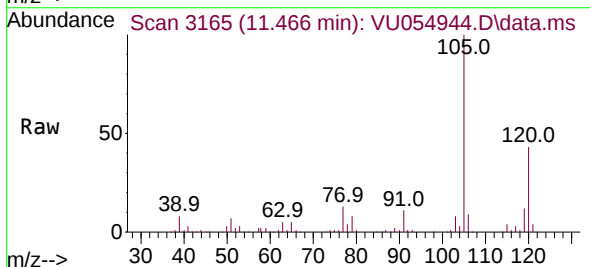
Acq: 29 Aug 2023 09:40

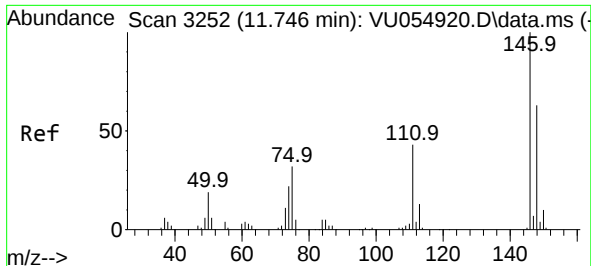
Tgt Ion:105 Resp: 219261

Ion Ratio Lower Upper

105 100

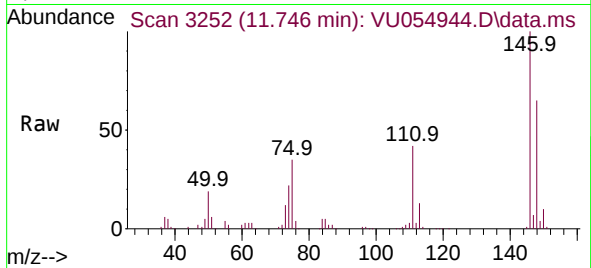
120 43.5 34.3 51.5



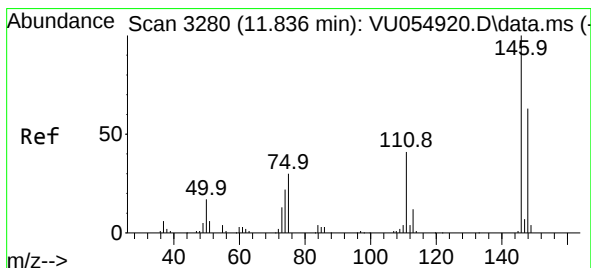
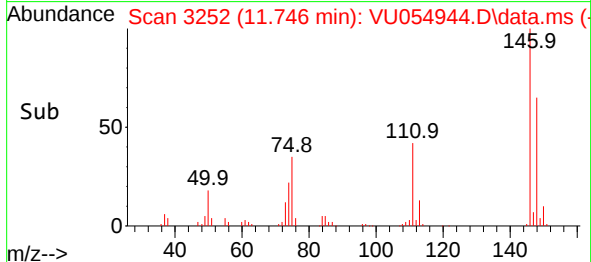
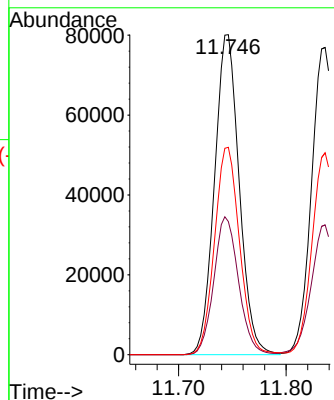


#64
1,3-Dichlorobenzene
Concen: 4.964 ug/L
RT: 11.746 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Instrument :
MSVOA_U
ClientSampleId :

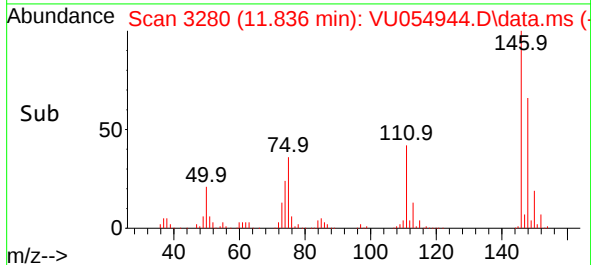
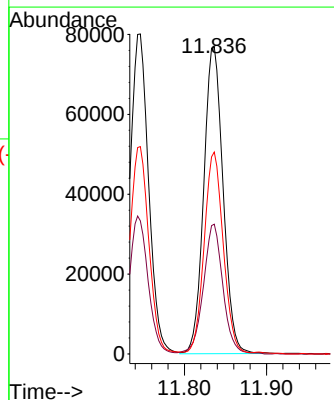
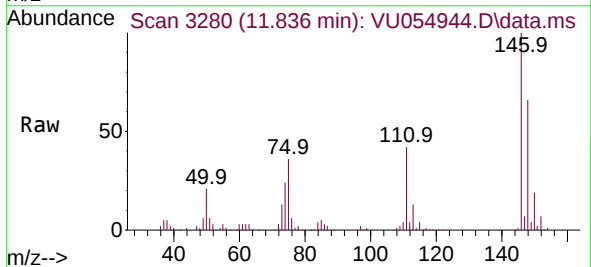


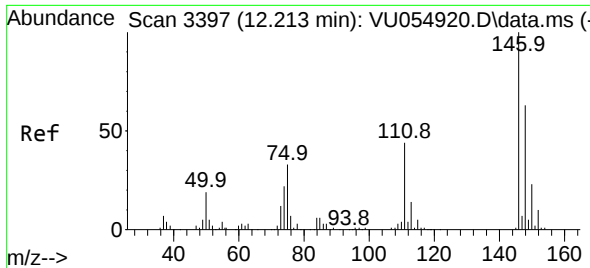
Tgt Ion:146 Resp: 128072
Ion Ratio Lower Upper
146 100
111 41.6 30.4 56.4
148 64.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:146 Resp: 126191
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 65.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.957 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.003 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

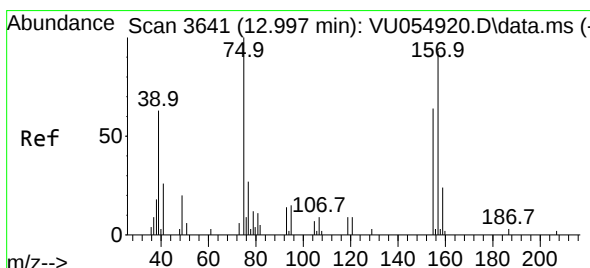
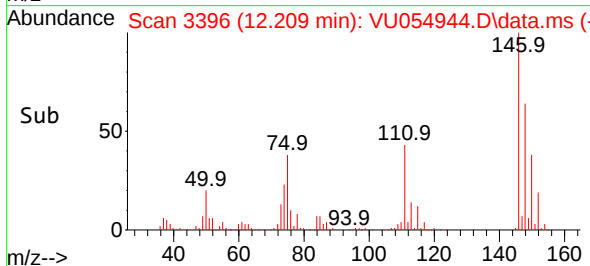
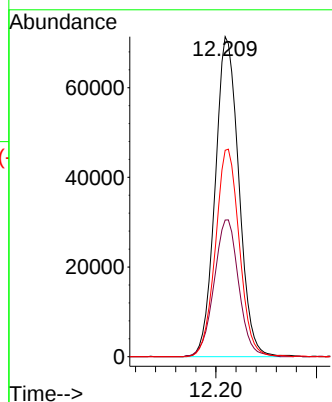
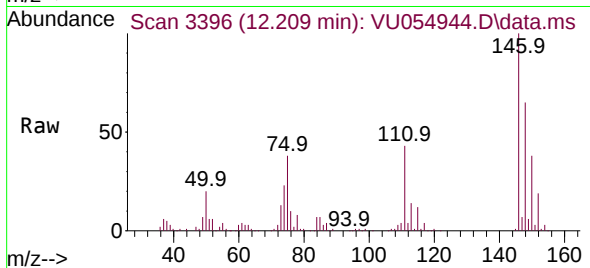
Tgt Ion:146 Resp: 116553

Ion Ratio Lower Upper

146 100

111 42.7 34.9 52.3

148 64.5 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.268 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

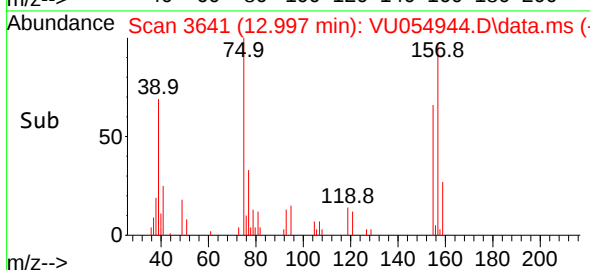
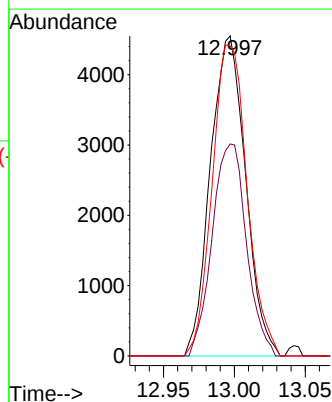
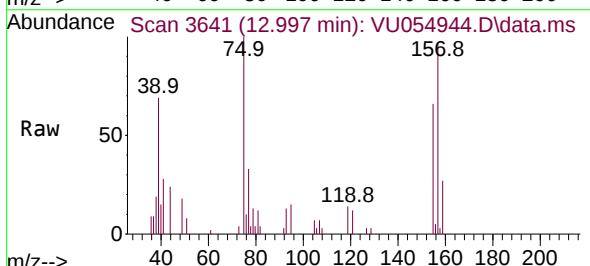
Tgt Ion: 75 Resp: 7850

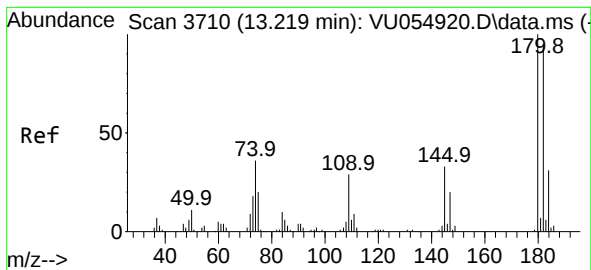
Ion Ratio Lower Upper

75 100

155 66.3 53.3 79.9

157 97.0 69.5 104.3





#69

1,3,5-Trichlorobenzene

Concen: 5.115 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 87967

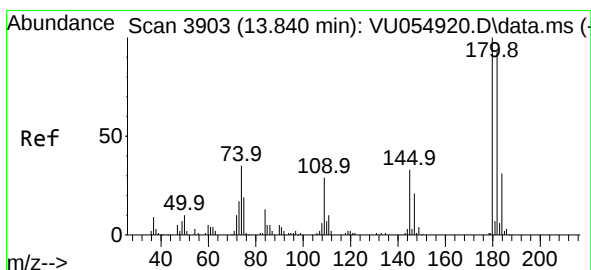
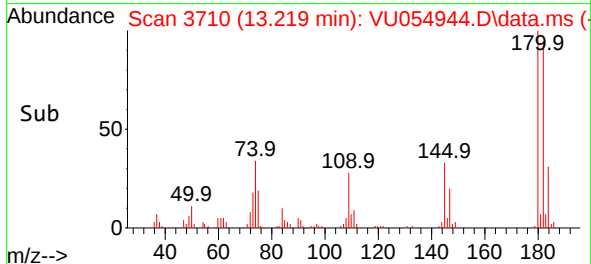
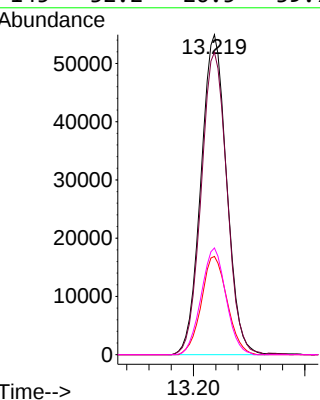
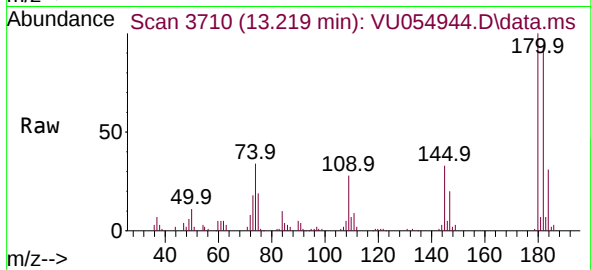
Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

184 30.8 23.6 35.4

145 32.2 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 4.809 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. -0.000 min

Lab File: VU054944.D

Acq: 29 Aug 2023 09:40

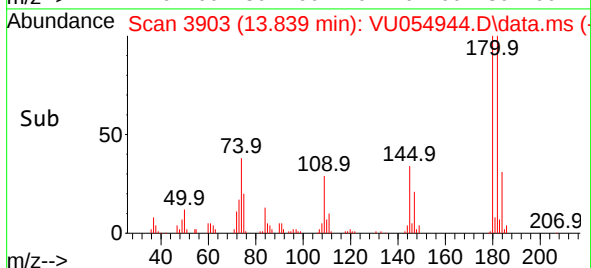
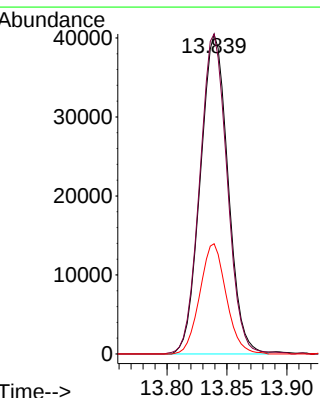
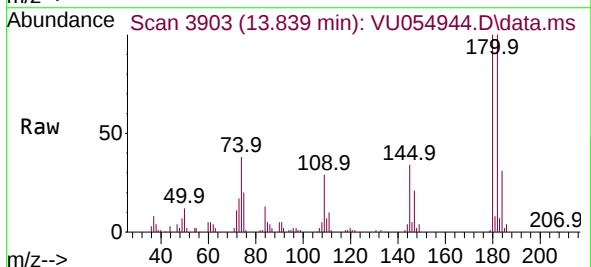
Tgt Ion:180 Resp: 64779

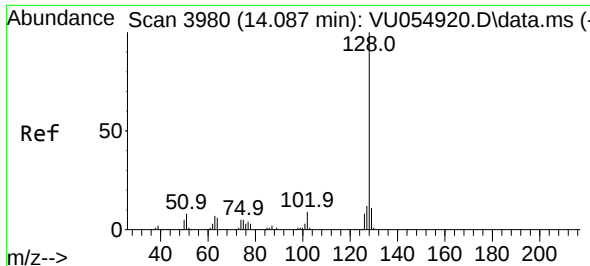
Ion Ratio Lower Upper

180 100

182 99.4 74.9 112.3

145 32.9 25.8 38.8

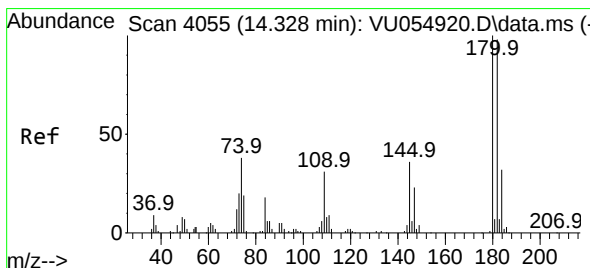
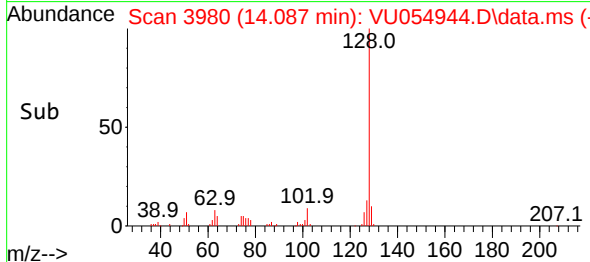
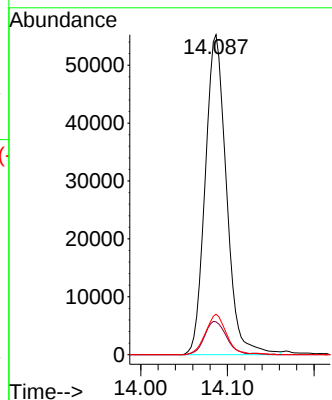
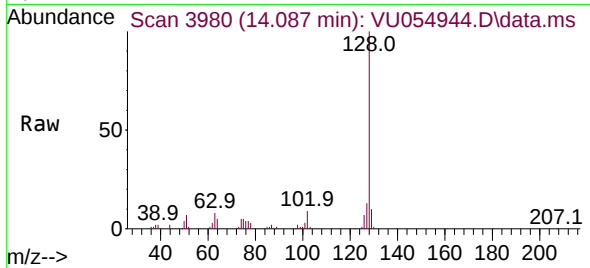




#71
Naphthalene
Concen: 4.654 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 94318
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.4 9.3 13.9



#72
1,2,3-Trichlorobenzene
Concen: 5.080 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.000 min
Lab File: VU054944.D
Acq: 29 Aug 2023 09:40

Tgt Ion:180 Resp: 56699
Ion Ratio Lower Upper
180 100
182 93.6 77.7 116.5
145 33.6 28.1 42.1

