

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054916.D
 Acq On : 28 Aug 2023 10:24
 Operator : MD/SY
 Sample : VSTD00545
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 02:48:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 02:45:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	198589	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	189606	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	102600	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33121	2.490	ug/L	0.00
7) Chloroethane-d5	1.911	69	39596	3.409	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	18326	3.242	ug/L	0.00
20) 2-Butanone-d5	4.628	46	165439	48.922	ug/L	0.00
24) Chloroform-d	5.062	84	119853	4.606	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	63674	4.648	ug/L	0.00
32) Benzene-d6	5.727	84	216560	4.441	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.692	67	76013	4.821	ug/L	0.00
41) Toluene-d8	7.897	98	208759	4.580	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	25583	4.166	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	113654	47.267	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	64075	4.990	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	82912	4.708	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	64440	4.292	ug/L	100
3) Chloromethane	1.518	50	62874	3.803	ug/L	100
5) Vinyl chloride	1.602	62	68321	4.209	ug/L	100
6) Bromomethane	1.856	94	41573	4.189	ug/L	100
8) Chloroethane	1.930	64	43720	4.617	ug/L	100
9) Trichlorofluoromethane	2.136	101	98188	4.570	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	53586	4.903	ug/L	100
12) 1,1-Dichloroethene	2.576	96	45824	4.557	ug/L	100
13) Acetone	2.634	43	85969	48.575	ug/L	100
14) Carbon disulfide	2.792	76	126378	3.869	ug/L	100
15) Methyl Acetate	2.956	43	18953	4.399	ug/L	100
16) Methylene chloride	3.042	84	56351	3.788	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	130259	5.307	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	49052	4.697	ug/L	100
19) 1,1-Dichloroethane	3.865	63	105907	5.147	ug/L	100
21) 2-Butanone	4.708	43	133273	49.646	ug/L	100
22) cis-1,2-Dichloroethene	4.666	96	62168	5.311	ug/L	100
23) Bromochloromethane	4.975	128	25987	5.108	ug/L	100
25) Chloroform	5.087	83	115146	5.291	ug/L	100
27) 1,2-Dichloroethane	5.795	62	67999	4.918	ug/L	100
29) 1,1,1-Trichloroethane	5.316	97	94459	5.103	ug/L	100
30) Cyclohexane	5.386	56	87441	5.273	ug/L	100
31) Carbon tetrachloride	5.521	117	81018	4.919	ug/L	100
33) Benzene	5.772	78	228281	5.254	ug/L	100
34) Trichloroethene	6.541	95	63458	5.193	ug/L	100
35) Methylcyclohexane	6.759	83	93413	5.434	ug/L	100
37) 1,2-Dichloropropane	6.791	63	62714	5.433	ug/L	100
38) Bromodichloromethane	7.106	83	77532	5.266	ug/L	100
39) cis-1,3-Dichloropropene	7.608	75	93028	5.408	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	346131	54.016	ug/L	100
42) Toluene	7.968	91	254464	5.497	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	75857	5.188	ug/L	100

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

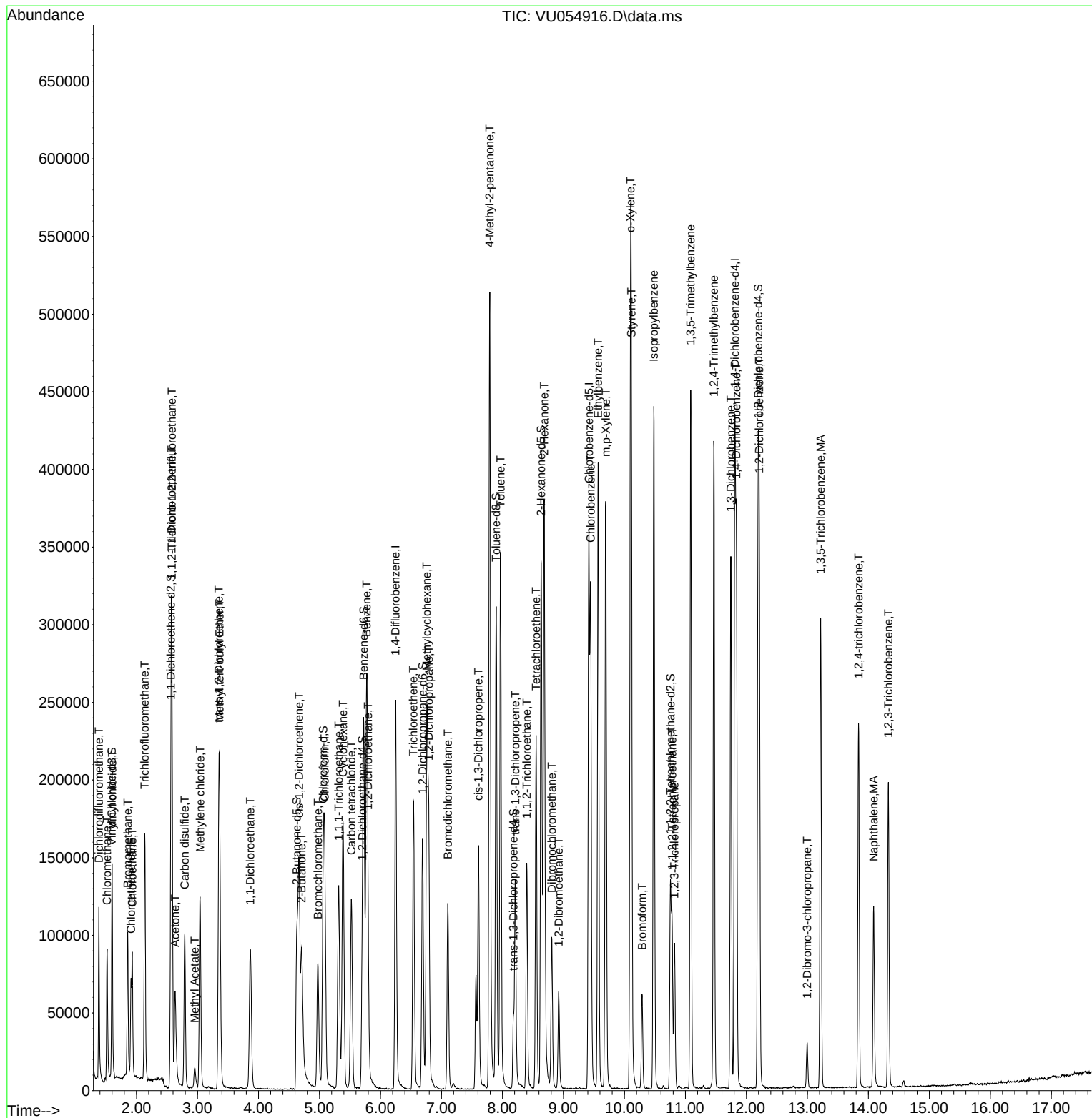
45) 1,1,2-Trichloroethane	8.399	97	44365	5.366	ug/L	100
47) Tetrachloroethene	8.553	164	44976	4.696	ug/L	100
48) 2-Hexanone	8.685	43	254453	55.260	ug/L	100
49) Dibromochloromethane	8.807	129	47092	5.030	ug/L	100
50) 1,2-Dibromoethane	8.923	107	40952	5.256	ug/L	100
51) Chlorobenzene	9.447	112	161844	5.430	ug/L	100
52) Ethylbenzene	9.569	91	287886	5.700	ug/L	100
53) m,p-Xylene	9.695	106	107477	5.615	ug/L	100
54) o-Xylene	10.100	106	102803	5.740	ug/L	100
55) Styrene	10.116	104	172493	5.715	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.782	83	52236	5.254	ug/L	100
59) Bromoform	10.290	173	24889	4.283	ug/L	100
60) Isopropylbenzene	10.483	105	289333	5.821	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	37839	5.030	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	247044	5.919	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	233422	5.892	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	131392	5.344	ug/L	100
65) 1,4-Dichlorobenzene	11.836	146	130211	5.329	ug/L	100
67) 1,2-Dichlorobenzene	12.212	146	121094	5.353	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.997	75	7711	4.299	ug/L	100
69) 1,3,5-Trichlorobenzene	13.219	180	87467	4.877	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	67022	4.679	ug/L	100
71) Naphthalene	14.087	128	96565	4.320	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	54784	4.350	ug/L	100

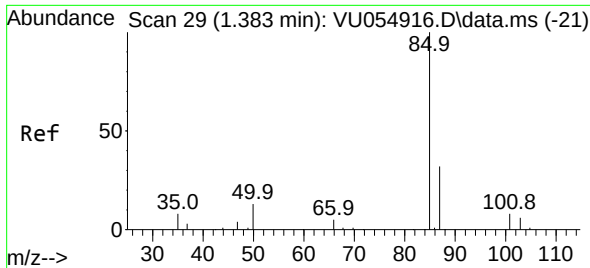
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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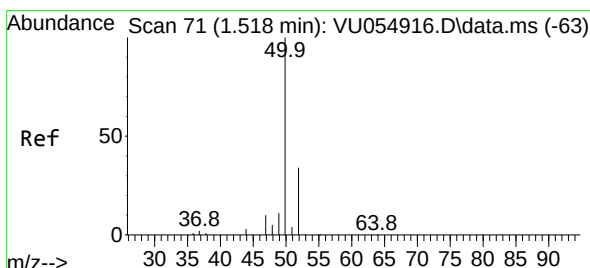
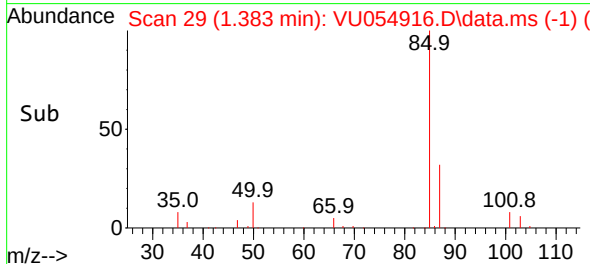
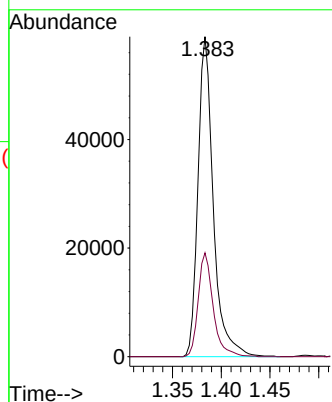
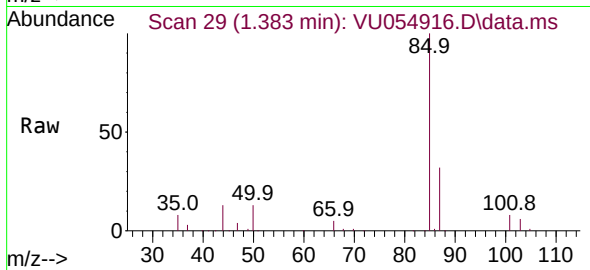




#2
 Dichlorodifluoromethane
 Concen: 4.292 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

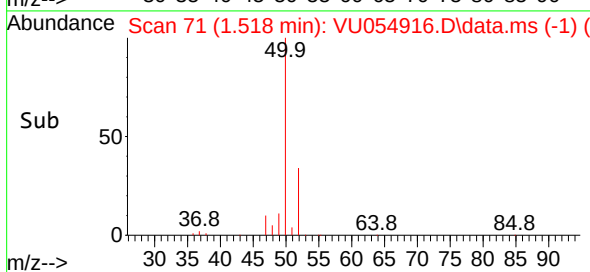
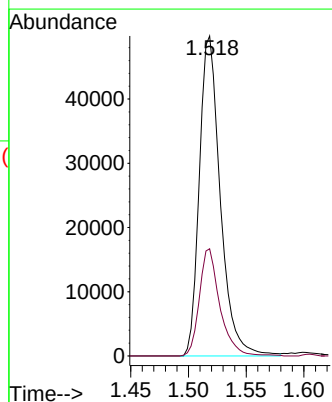
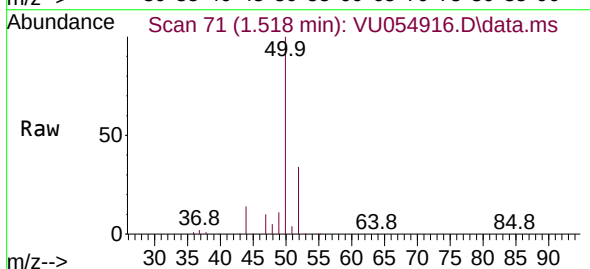
Instrument :
 MSVOA_U
 ClientSampleId :

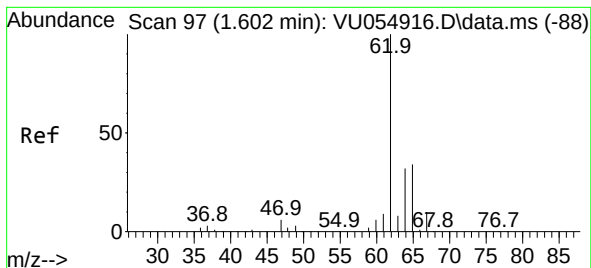
Tgt Ion: 85 Resp: 64440
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.0



#3
 Chloromethane
 Concen: 3.803 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

Tgt Ion: 50 Resp: 62874
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.4 43.6





#5

Vinyl chloride

Concen: 4.209 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

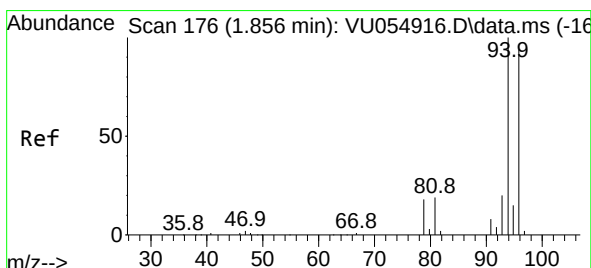
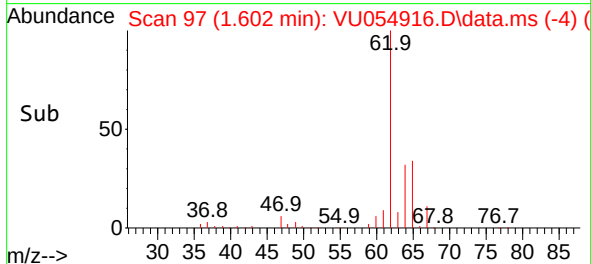
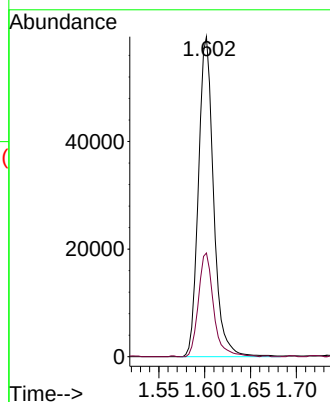
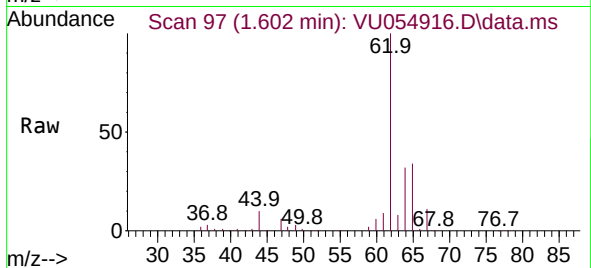
ClientSampleId :

Tgt Ion: 62 Resp: 68321

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 4.189 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU054916.D

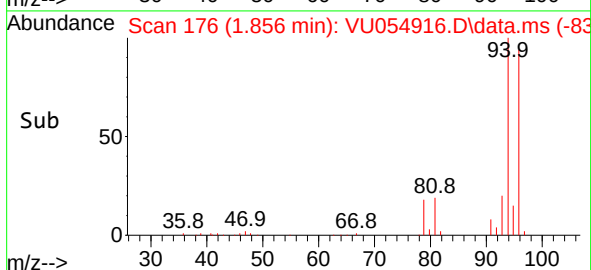
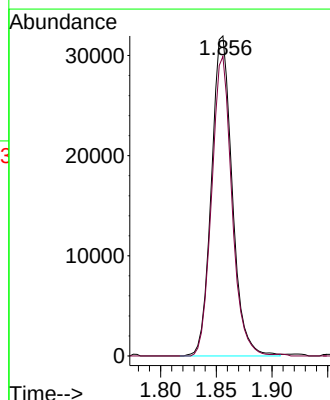
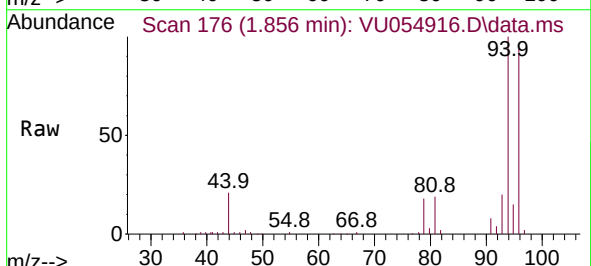
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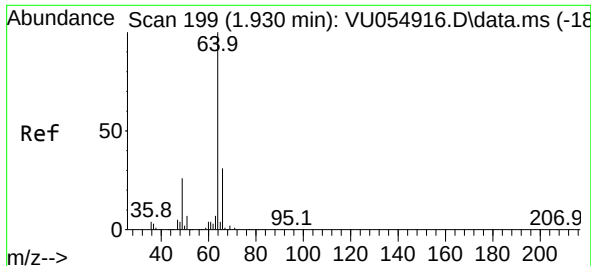
Tgt Ion: 94 Resp: 41573

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7

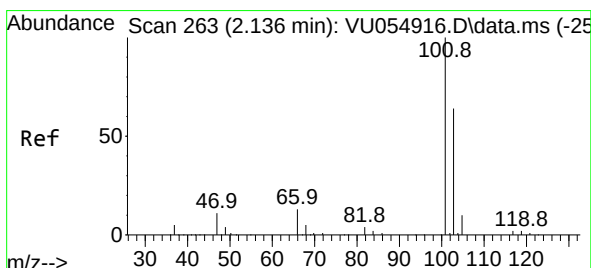
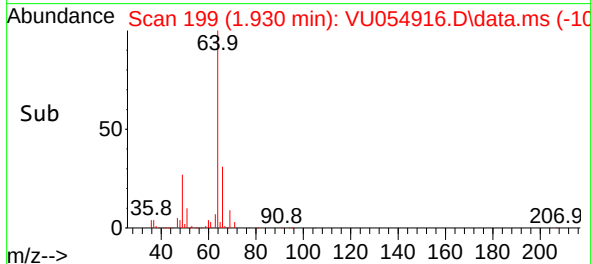
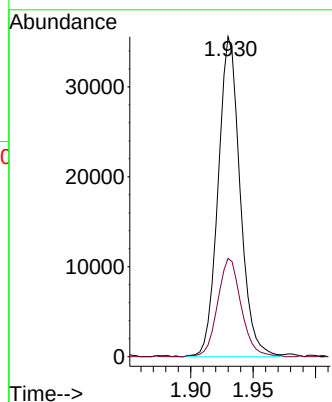
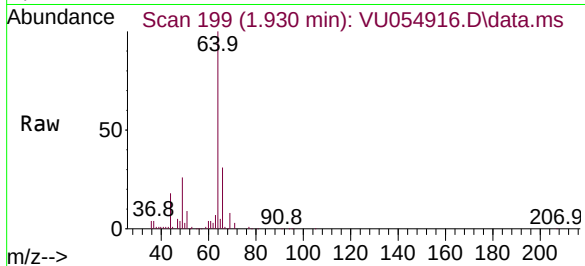




#8
Chloroethane
Concen: 4.617 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

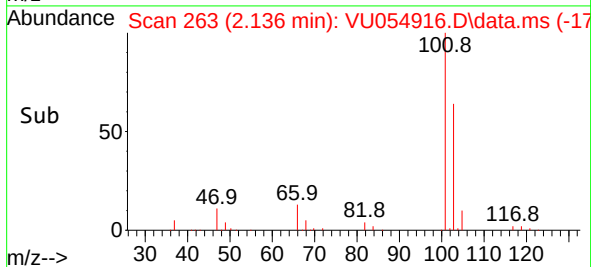
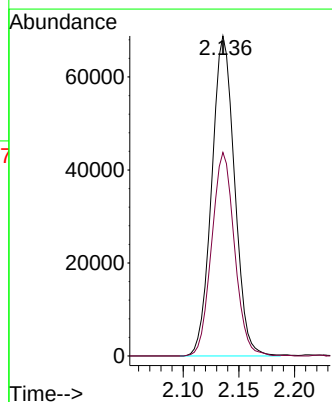
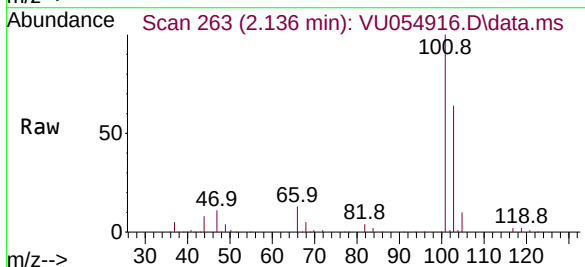
Instrument :
MSVOA_U
ClientSampleId :

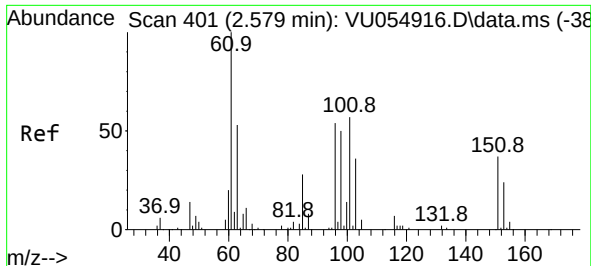
Tgt Ion: 64 Resp: 43720
Ion Ratio Lower Upper
64 100
66 30.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.570 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 101 Resp: 98188
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

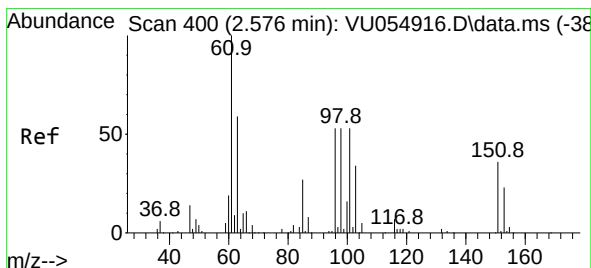
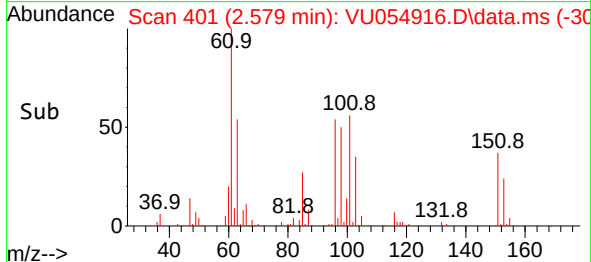
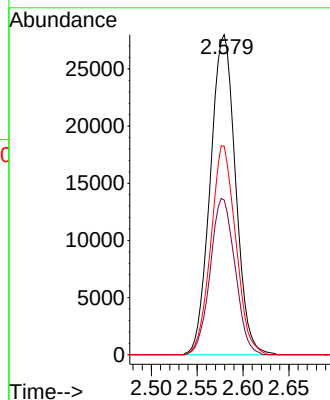
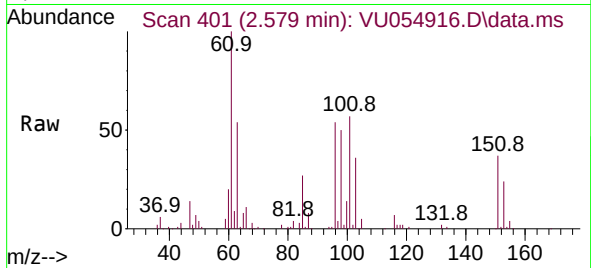




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.903 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

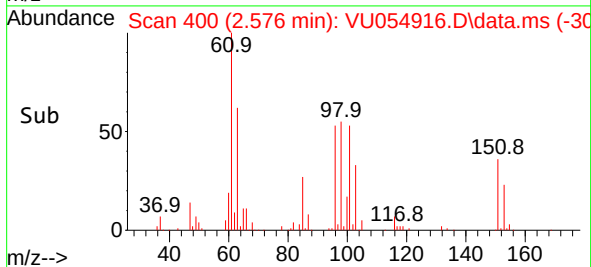
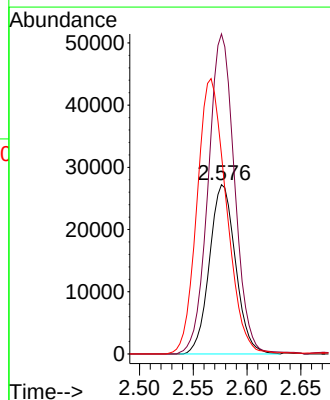
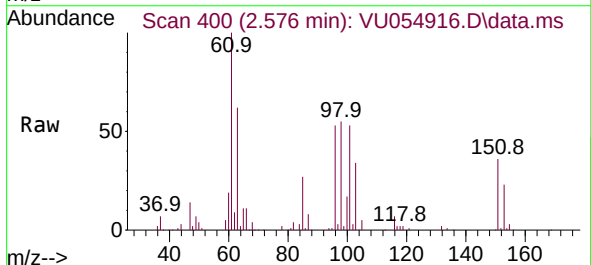
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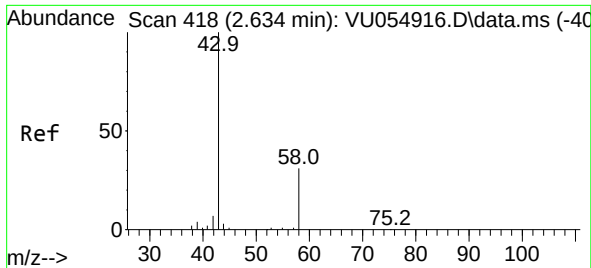
Tgt Ion:101 Resp: 53586
 Ion Ratio Lower Upper
 101 100
 85 47.9 38.3 57.5
 151 64.4 51.5 77.3



#12
 1,1-Dichloroethene
 Concen: 4.557 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

Tgt Ion: 96 Resp: 45824
 Ion Ratio Lower Upper
 96 100
 61 189.1 132.4 245.8
 63 117.8 82.5 153.1





#13

Acetone

Concen: 48.575 ug/L

RT: 2.634 min Scan# 418

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

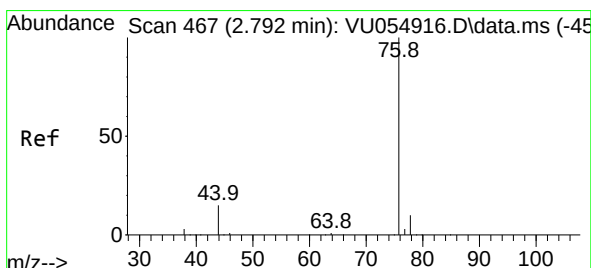
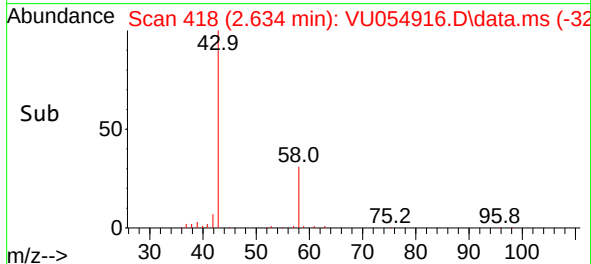
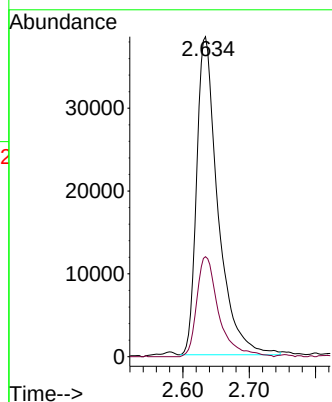
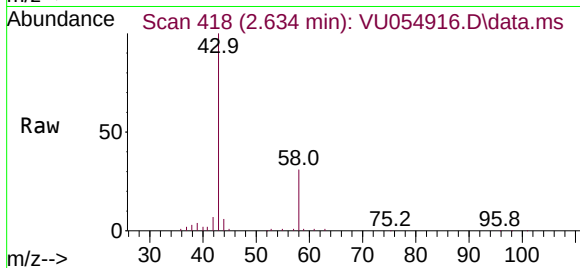
ClientSampleId :

Tgt Ion: 43 Resp: 85969

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



#14

Carbon disulfide

Concen: 3.869 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054916.D

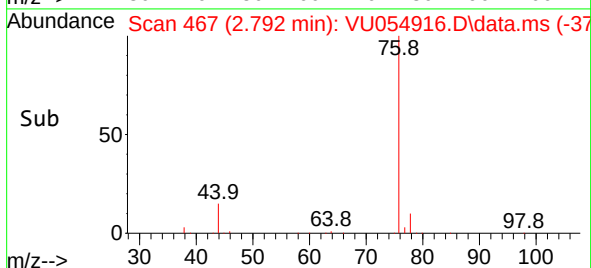
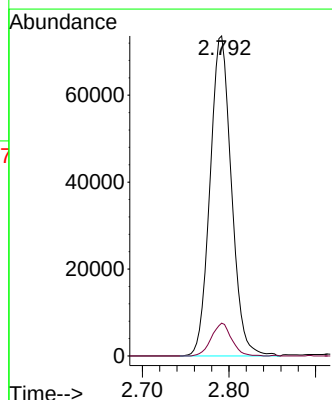
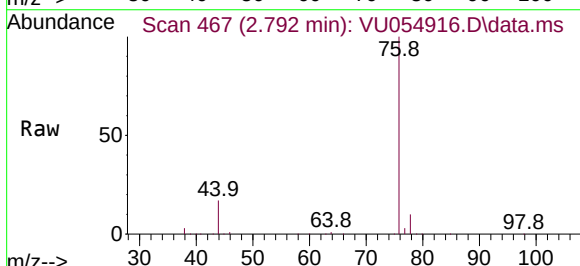
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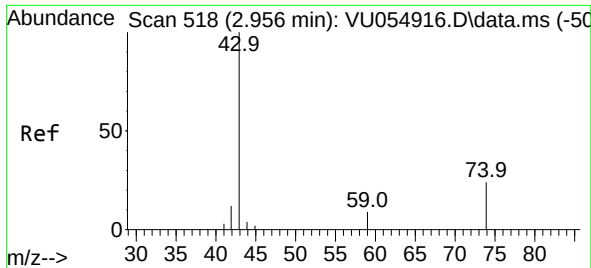
Tgt Ion: 76 Resp: 126378

Ion Ratio Lower Upper

76 100

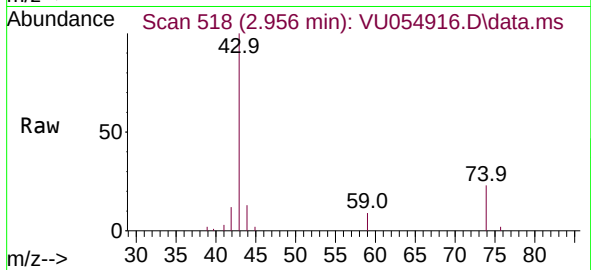
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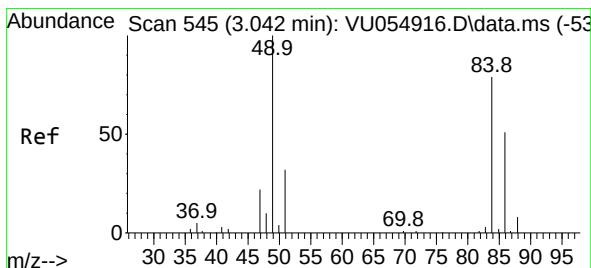
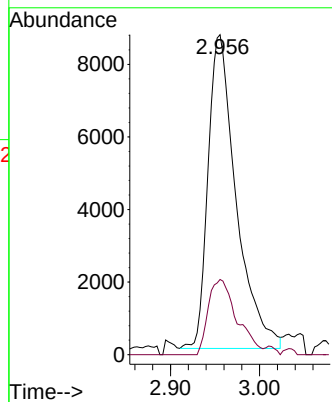
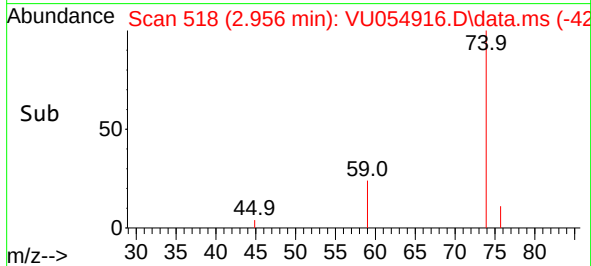


#15
Methyl Acetate
Concen: 4.399 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Instrument :
MSVOA_U
ClientSampleId :

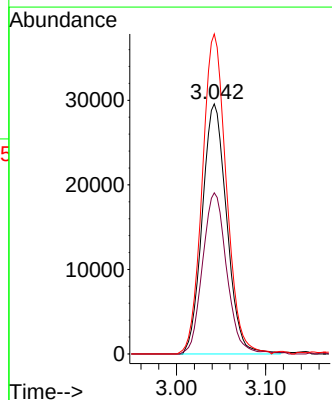
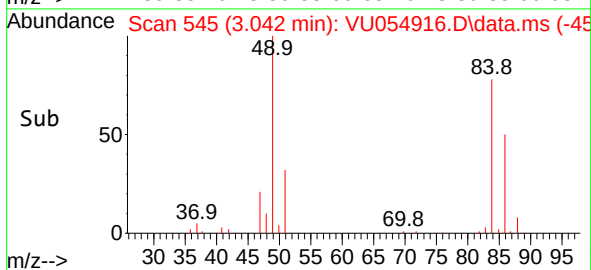
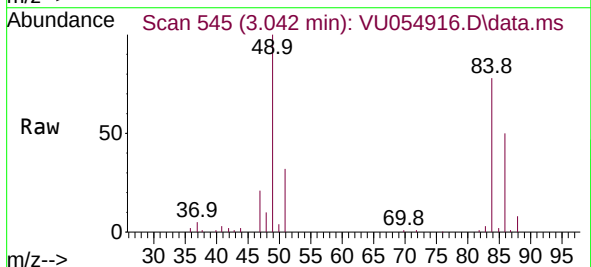


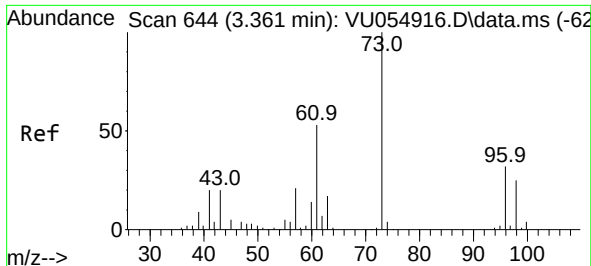
Tgt Ion: 43 Resp: 18953
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 3.788 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 84 Resp: 56351
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 127.9 89.5 166.3

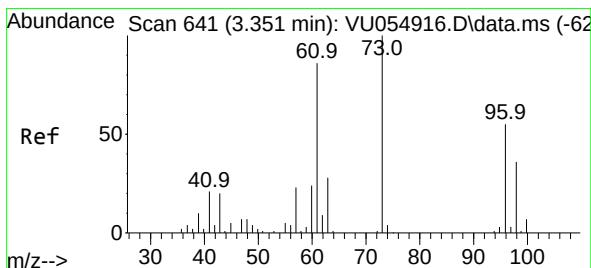
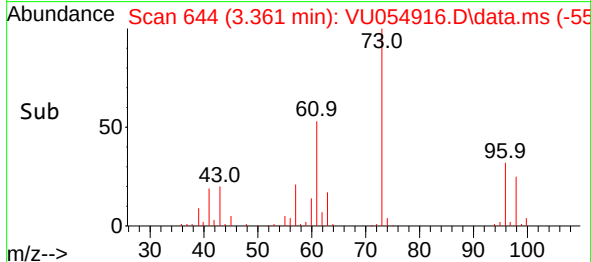
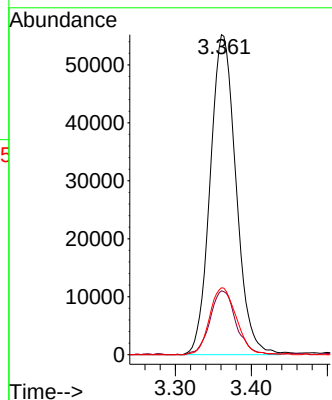
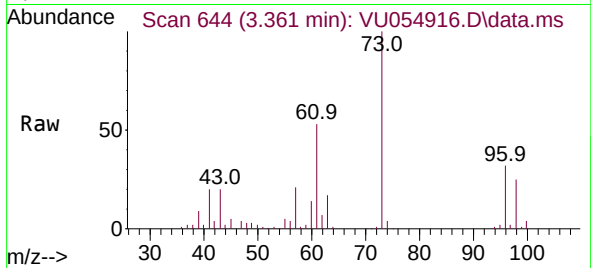




#17
Methyl tert-butyl Ether
Concen: 5.307 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

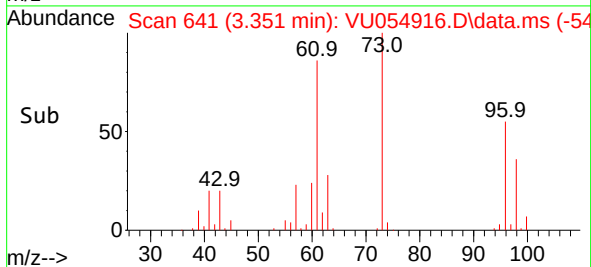
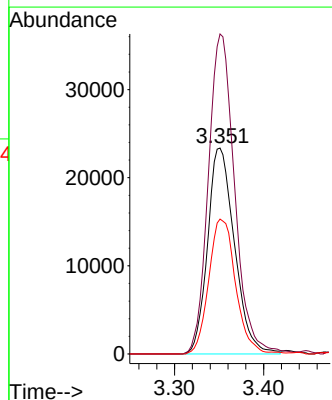
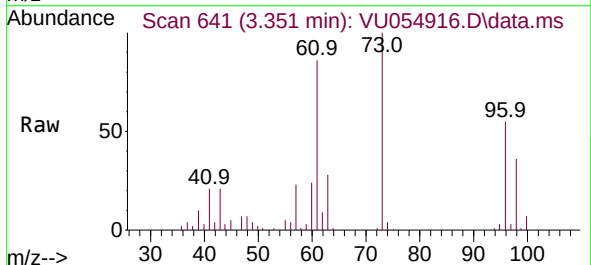
Instrument :
MSVOA_U
ClientSampleId :

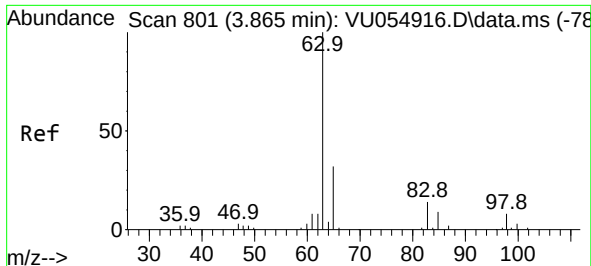
Tgt Ion: 73 Resp: 130259
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 21.7 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.697 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 96 Resp: 49052
Ion Ratio Lower Upper
96 100
61 155.4 108.8 202.0
98 65.5 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.147 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

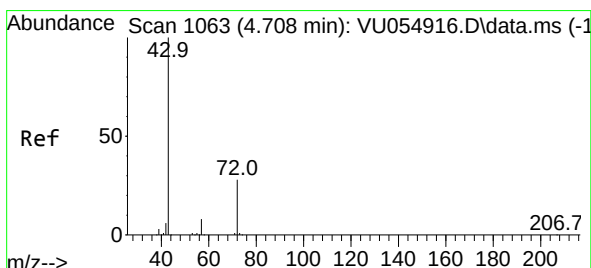
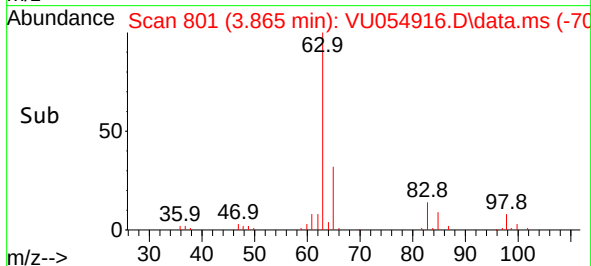
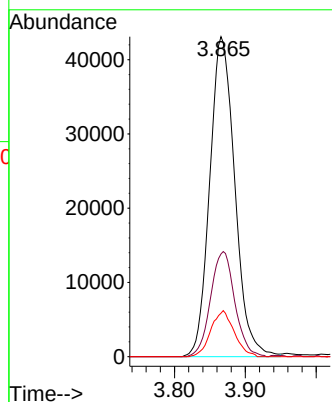
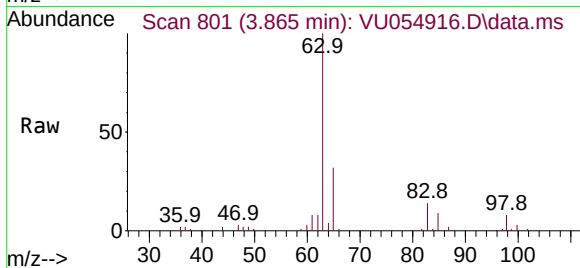
Tgt Ion: 63 Resp: 105907

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 13.6 9.5 17.7



#21

2-Butanone

Concen: 49.646 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VU054916.D

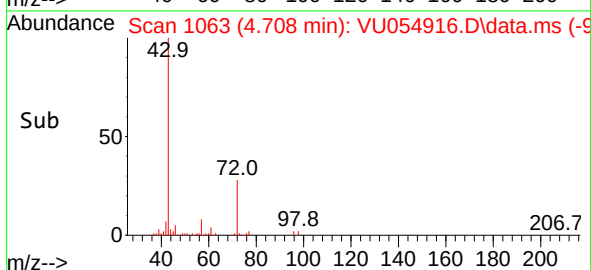
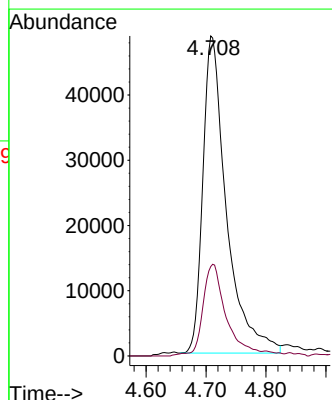
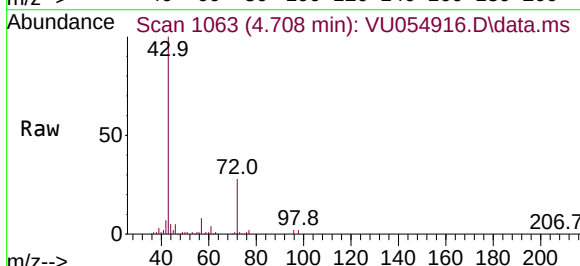
Acq: 28 Aug 2023 10:24

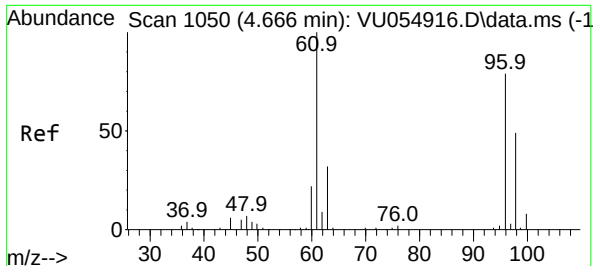
Tgt Ion: 43 Resp: 133273

Ion Ratio Lower Upper

43 100

72 28.2 14.1 42.3

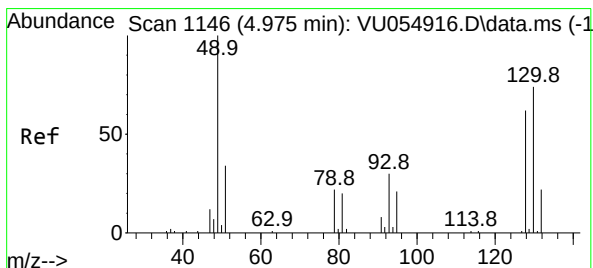
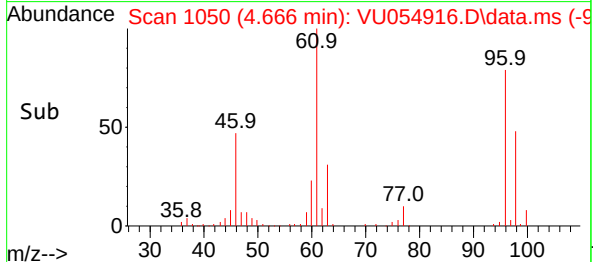
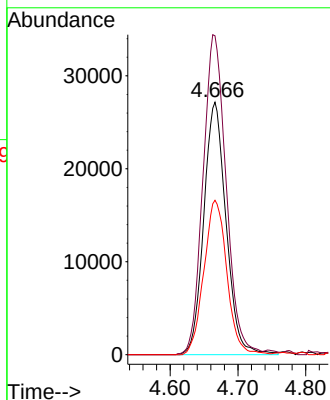
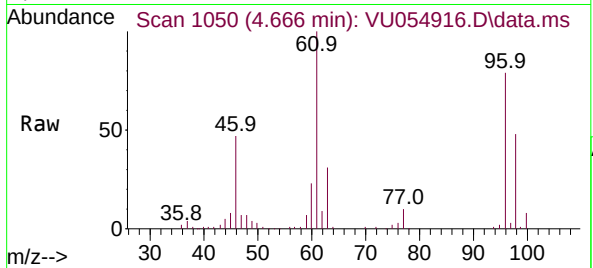




#22
 cis-1,2-Dichloroethene
 Concen: 5.311 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

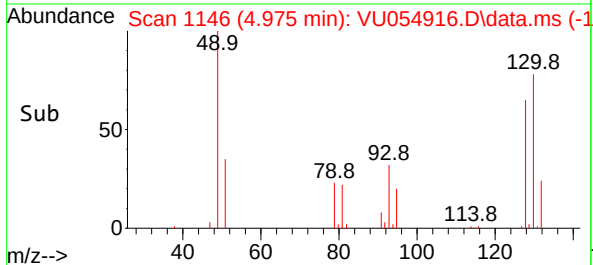
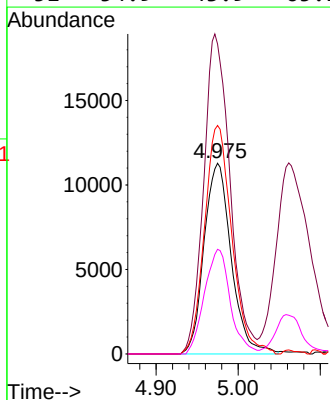
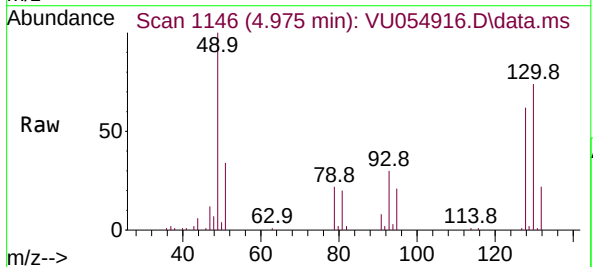
Instrument :
 MSVOA_U
 ClientSampleId :

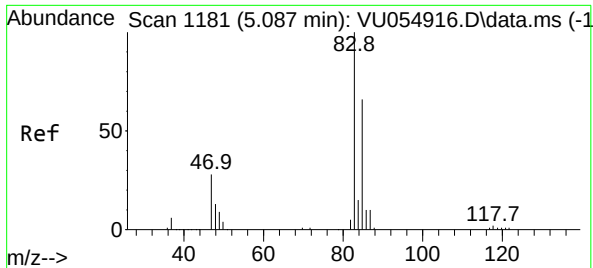
Tgt Ion: 96 Resp: 62168
 Ion Ratio Lower Upper
 96 100
 61 126.3 88.4 164.2
 98 62.8 44.0 81.6



#23
 Bromochloromethane
 Concen: 5.108 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

Tgt Ion: 128 Resp: 25987
 Ion Ratio Lower Upper
 128 100
 49 162.5 113.8 211.3
 130 119.8 83.9 155.7
 51 54.9 43.9 65.9





#25

Chloroform

Concen: 5.291 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

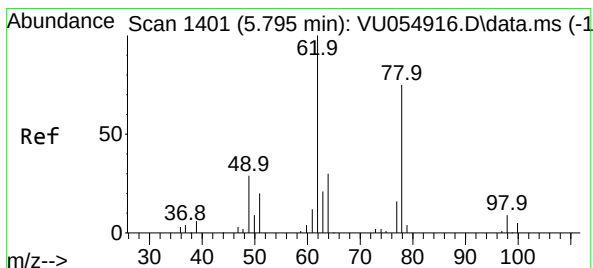
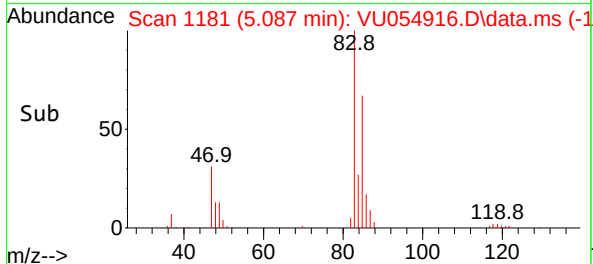
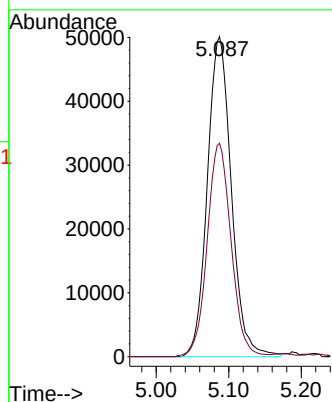
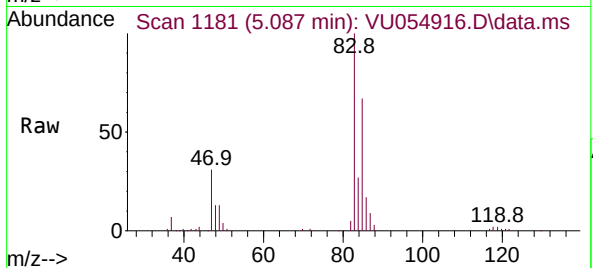
ClientSampleId :

Tgt Ion: 83 Resp: 115146

Ion Ratio Lower Upper

83 100

85 66.7 46.7 86.7



#27

1,2-Dichloroethane

Concen: 4.918 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VU054916.D

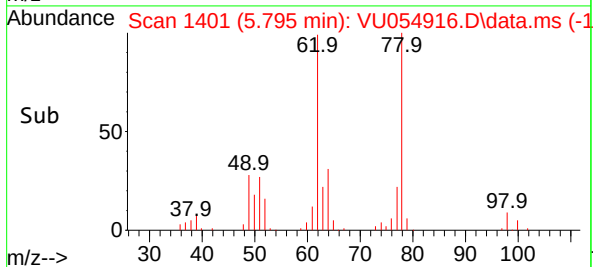
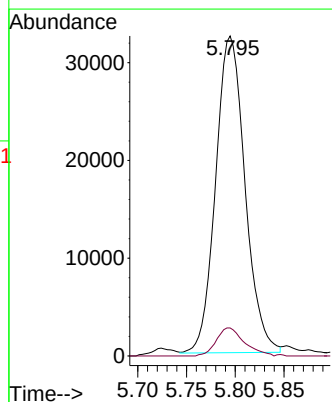
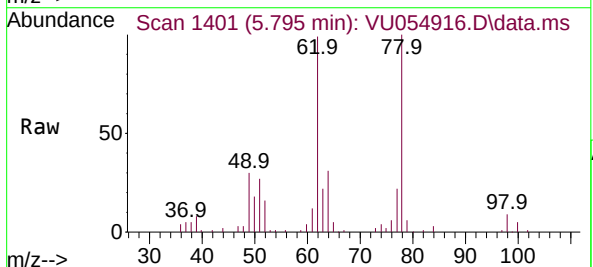
Acq: 28 Aug 2023 10:24

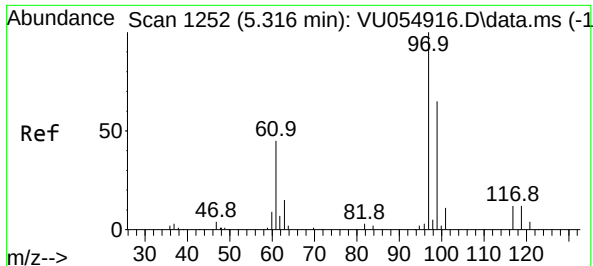
Tgt Ion: 62 Resp: 67999

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6

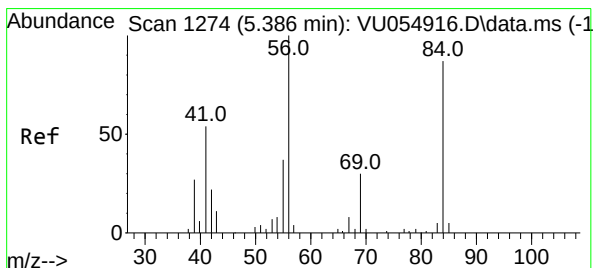
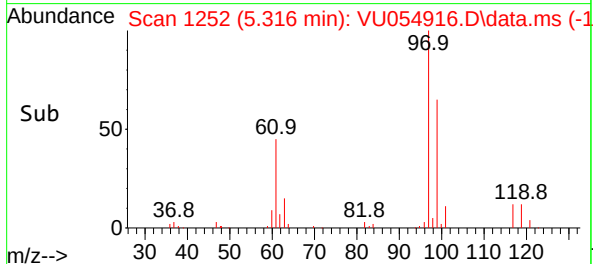
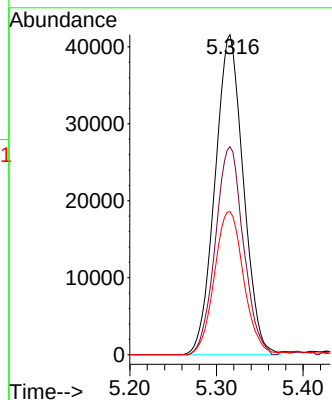
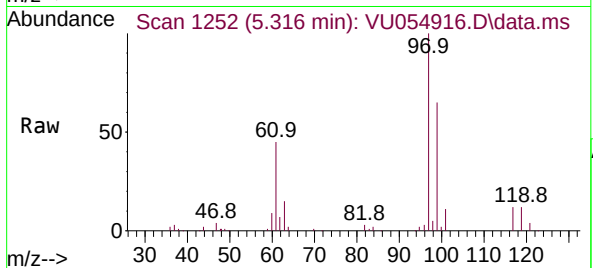




#29
1,1,1-Trichloroethane
Concen: 5.103 ug/L
RT: 5.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

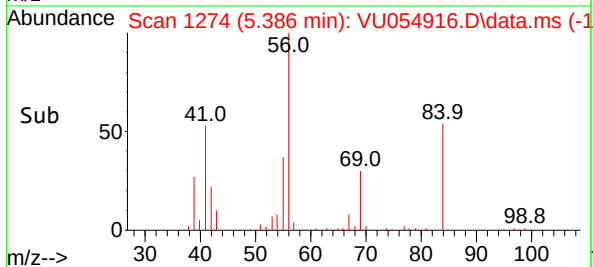
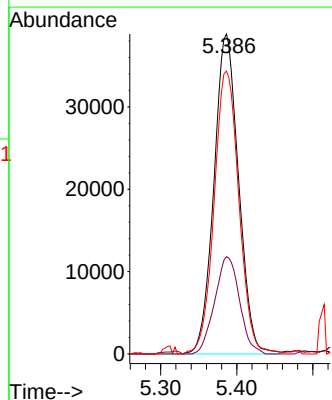
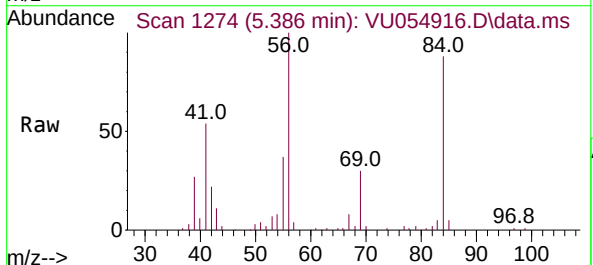
Instrument :
MSVOA_U
ClientSampleId :

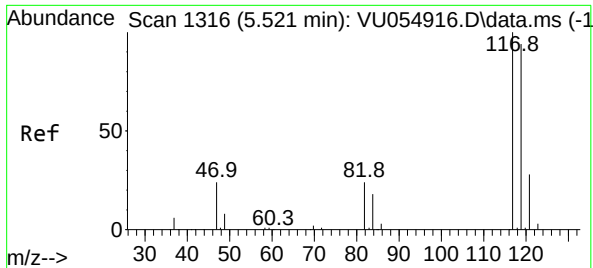
Tgt Ion: 97 Resp: 94459
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 46.5 37.2 55.8



#30
Cyclohexane
Concen: 5.273 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 56 Resp: 87441
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 89.1 71.3 106.9

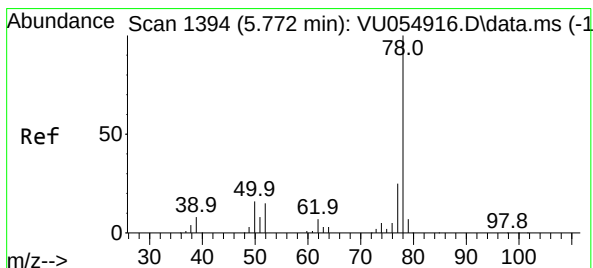
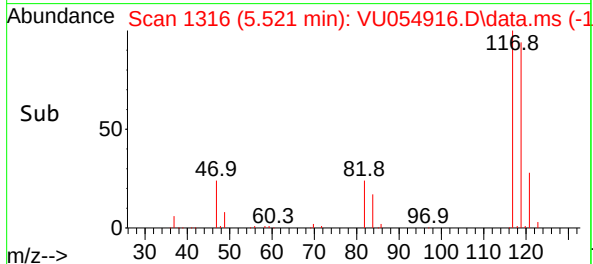
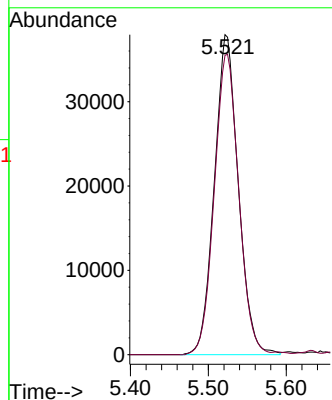
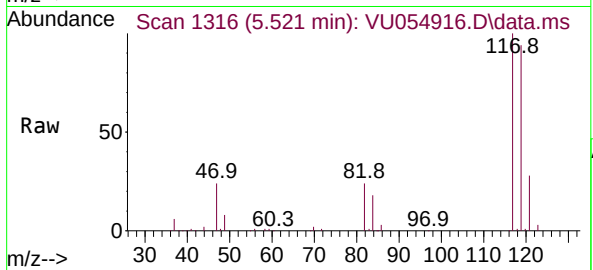




#31
Carbon tetrachloride
Concen: 4.919 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

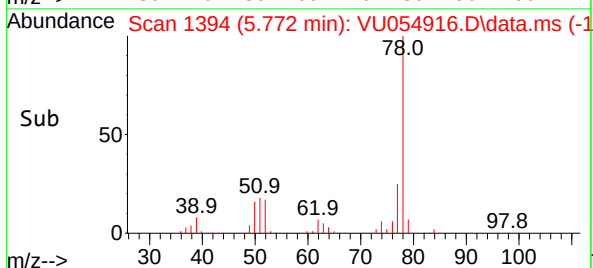
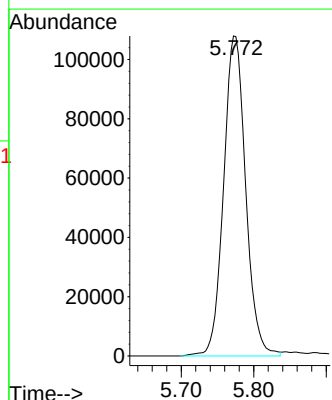
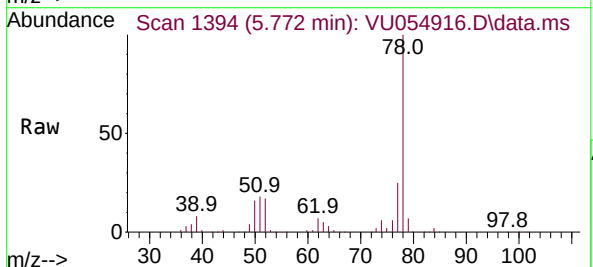
Instrument :
MSVOA_U
ClientSampleId :

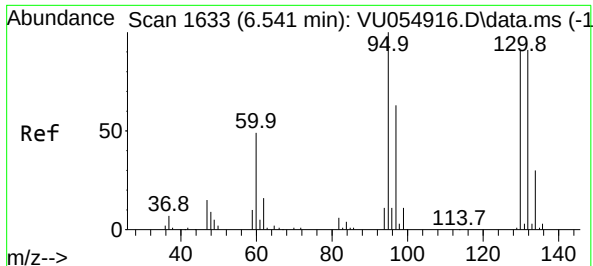
Tgt Ion:117 Resp: 81018
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0



#33
Benzene
Concen: 5.254 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 78 Resp: 228281





#34

Trichloroethene

Concen: 5.193 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 63458

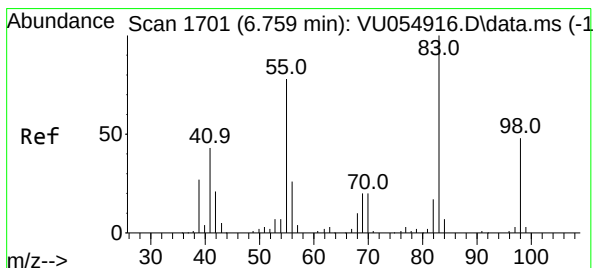
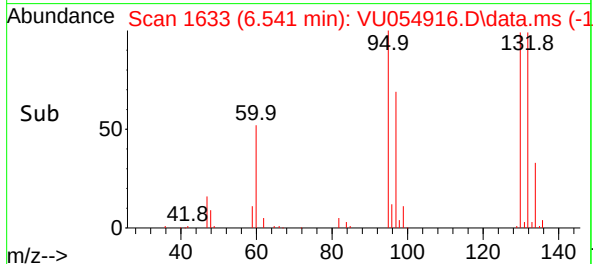
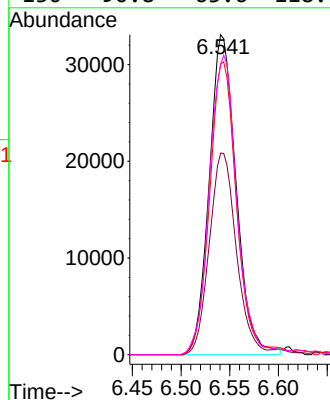
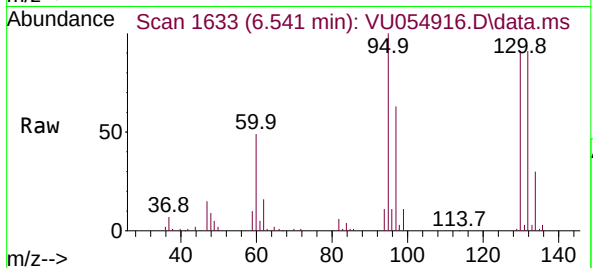
Ion Ratio Lower Upper

95 100

97 63.0 44.1 81.9

132 90.9 63.6 118.2

130 90.8 63.6 118.0



#35

Methylcyclohexane

Concen: 5.434 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

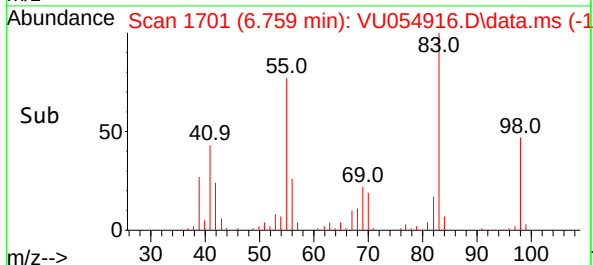
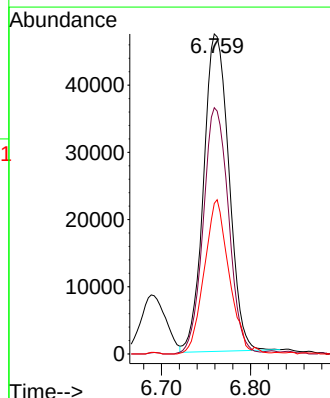
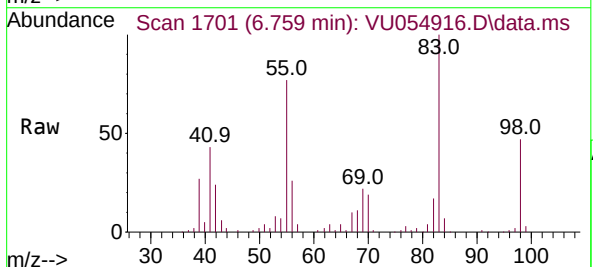
Tgt Ion: 83 Resp: 93413

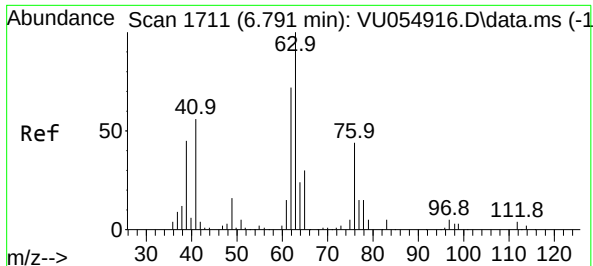
Ion Ratio Lower Upper

83 100

55 77.6 62.1 93.1

98 47.2 37.8 56.6

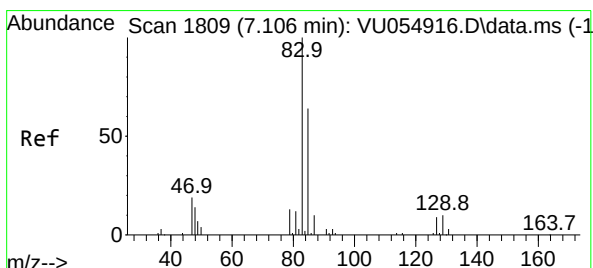
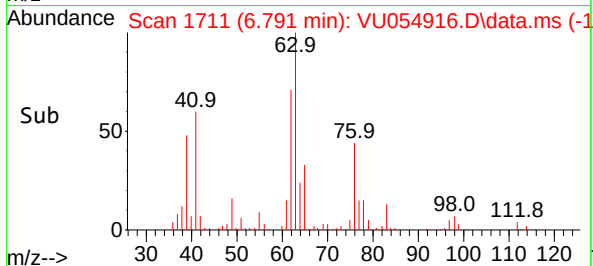
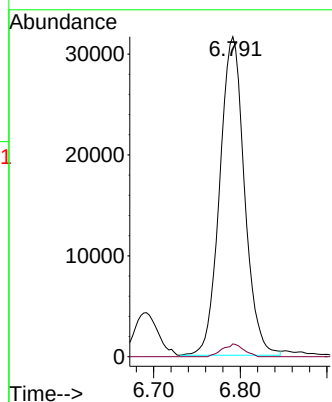
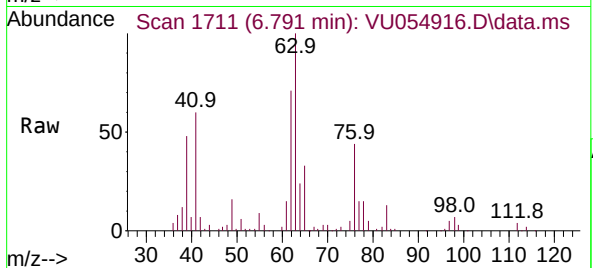




#37
1,2-Dichloropropane
Concen: 5.433 ug/L
RT: 6.791 min Scan# 1711
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

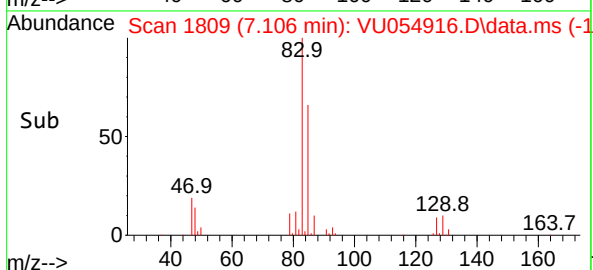
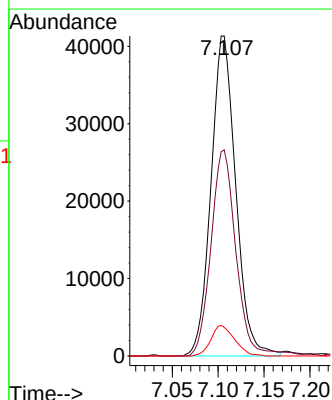
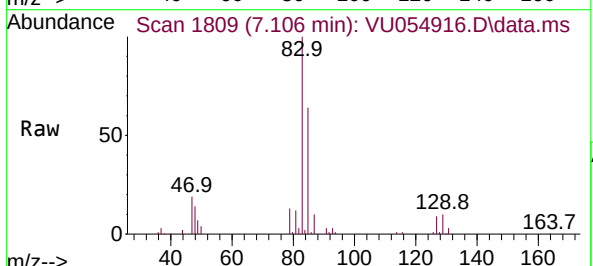
Instrument :
MSVOA_U
ClientSampleId :

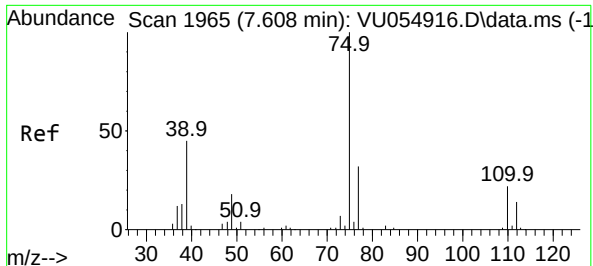
Tgt Ion: 63 Resp: 62714
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1



#38
Bromodichloromethane
Concen: 5.266 ug/L
RT: 7.106 min Scan# 1809
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 83 Resp: 77532
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7
127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.408 ug/L

RT: 7.608 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

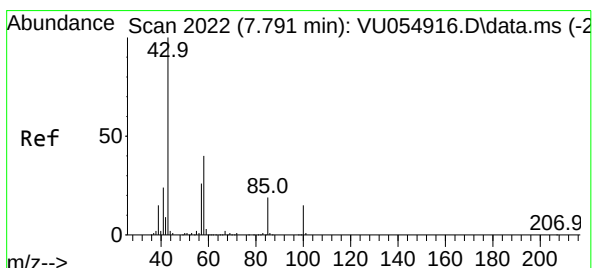
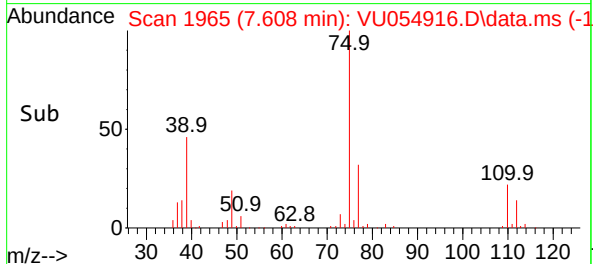
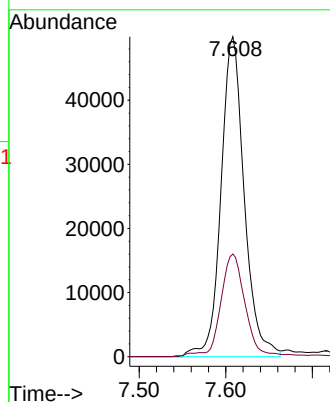
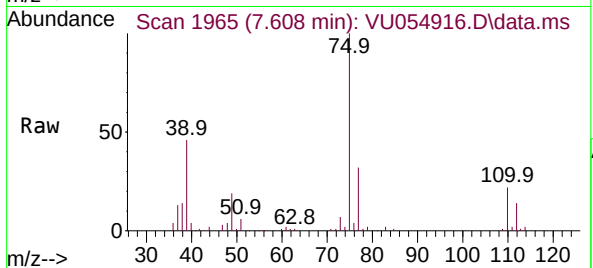
ClientSampleId :

Tgt Ion: 75 Resp: 93028

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 54.016 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

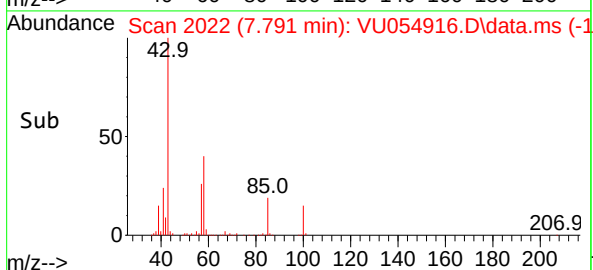
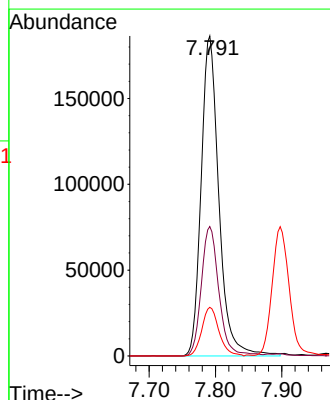
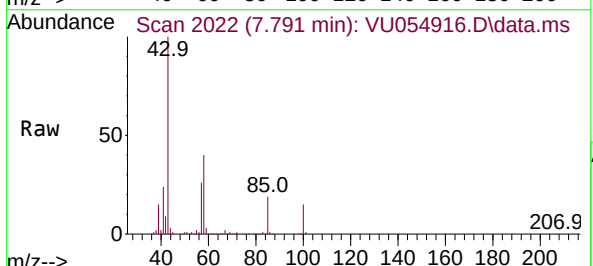
Tgt Ion: 43 Resp: 346131

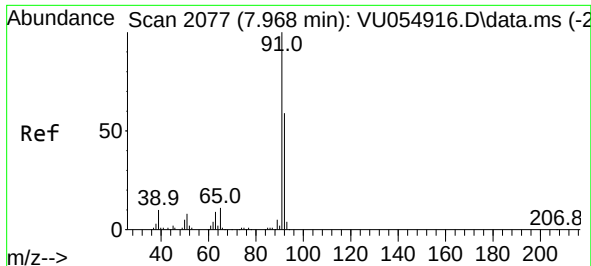
Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1

100 14.7 11.8 17.6





#42

Toluene

Concen: 5.497 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

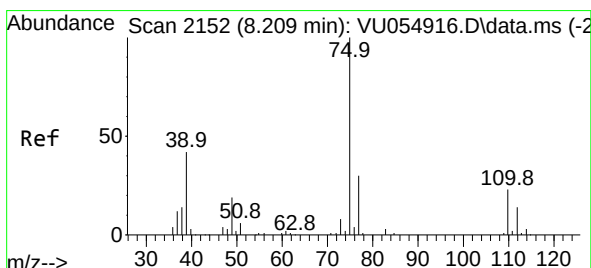
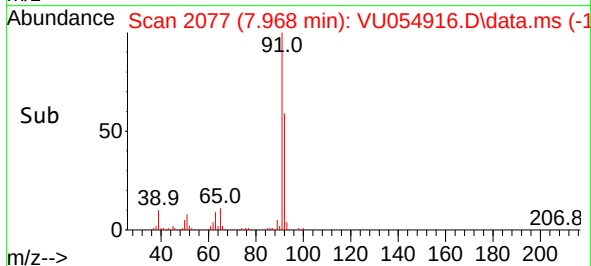
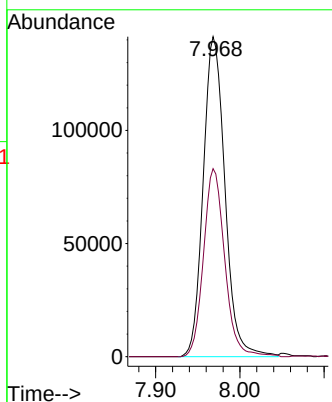
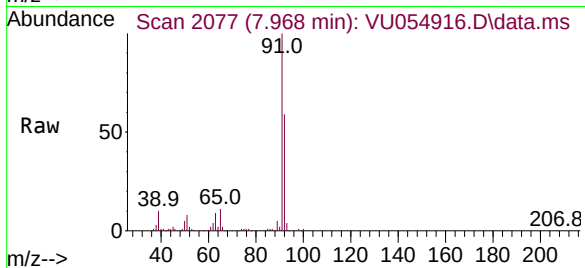
ClientSampleId :

Tgt Ion: 91 Resp: 254464

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 5.188 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU054916.D

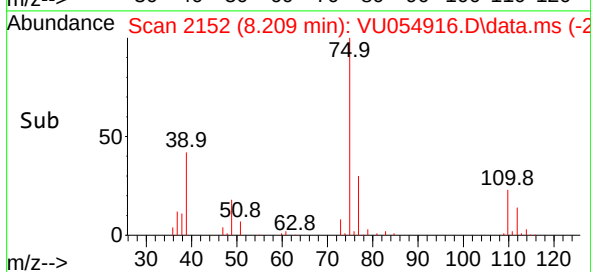
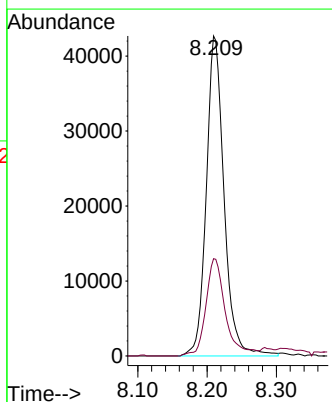
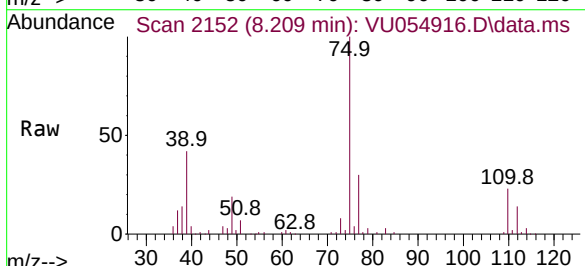
Acq: 28 Aug 2023 10:24

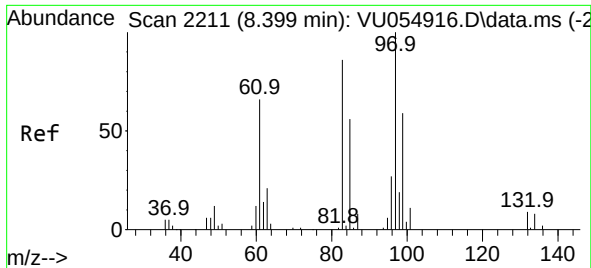
Tgt Ion: 75 Resp: 75857

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5

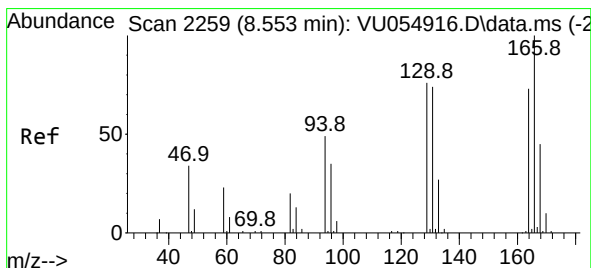
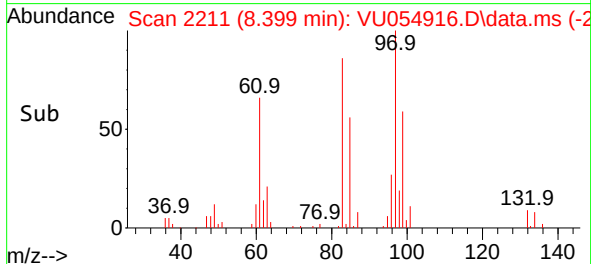
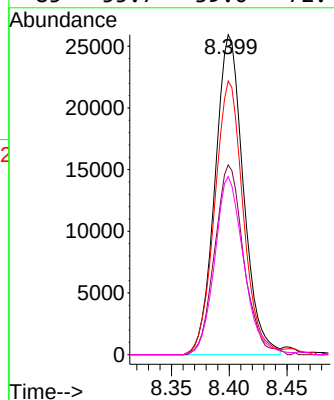
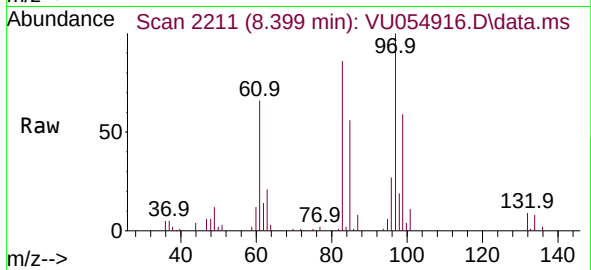




#45
1,1,2-Trichloroethane
Concen: 5.366 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

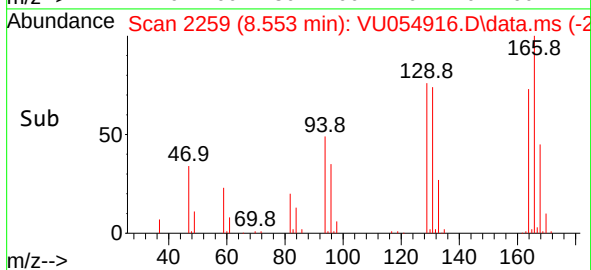
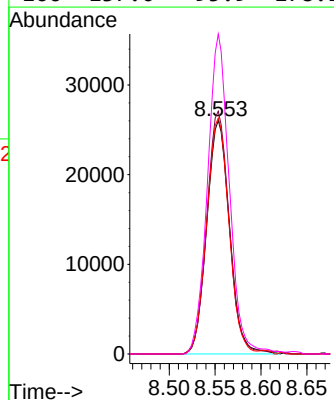
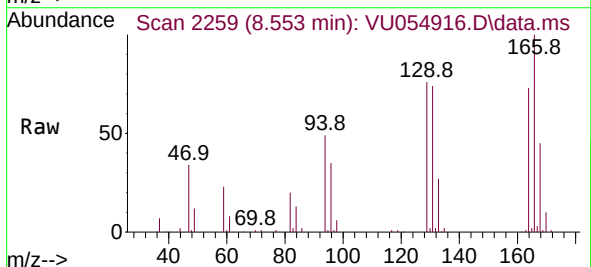
Instrument :
MSVOA_U
ClientSampleId :

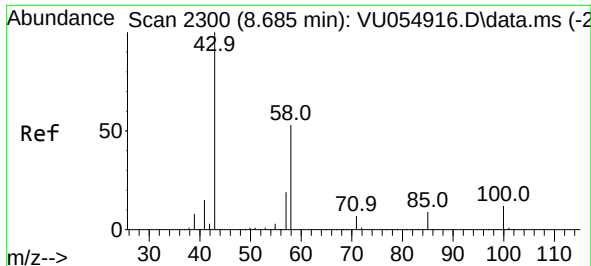
Tgt Ion:	97	Resp:	44365
Ion	Ratio	Lower	Upper
97	100		
99	59.3	41.5	77.1
83	85.5	59.8	111.1
85	55.7	39.0	72.4



#47
Tetrachloroethene
Concen: 4.696 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion:	164	Resp:	44976
Ion	Ratio	Lower	Upper
164	100		
129	104.0	72.8	135.2
131	101.0	70.7	131.3
166	137.0	95.9	178.1

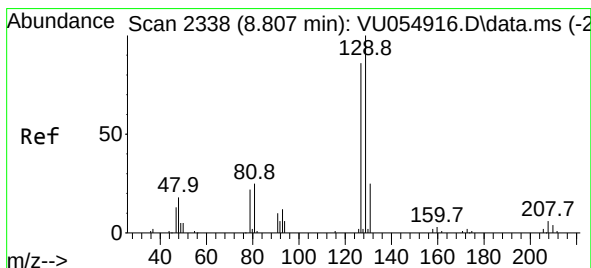
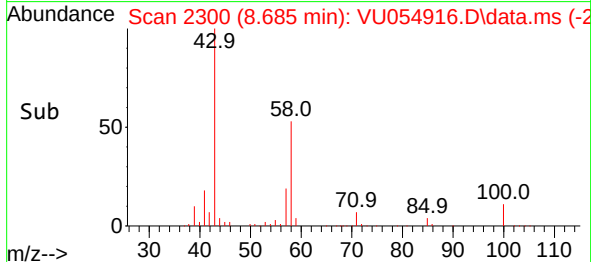
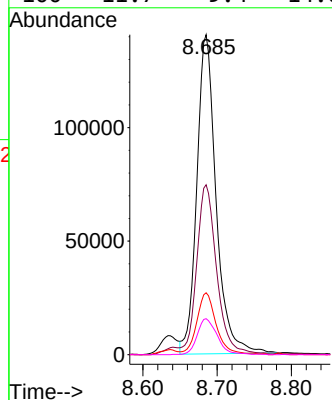
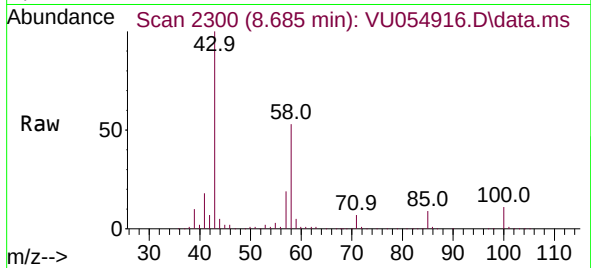




#48
2-Hexanone
Concen: 55.260 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

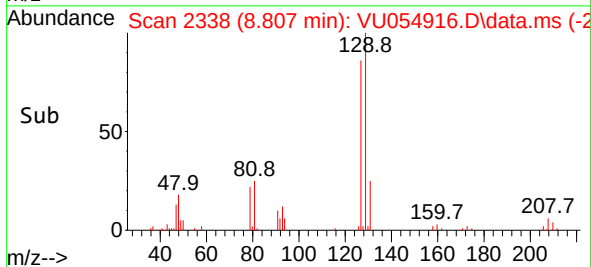
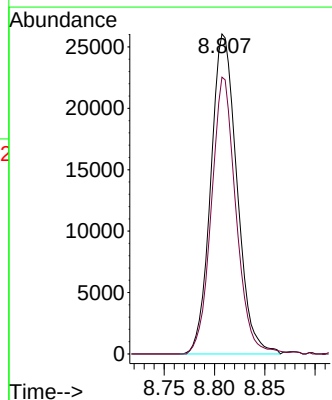
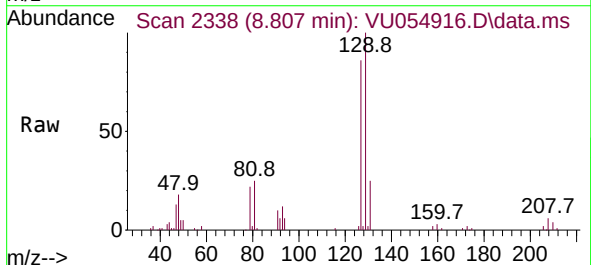
Instrument :
MSVOA_U
ClientSampleId :

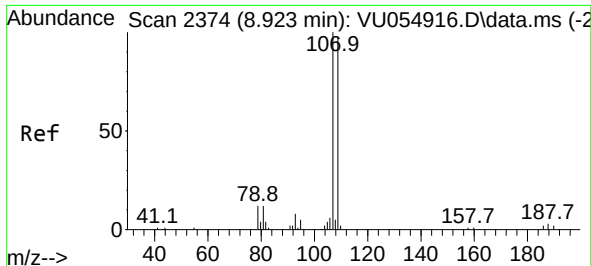
Tgt Ion: 43 Resp: 254453
Ion Ratio Lower Upper
43 100
58 55.0 44.0 66.0
57 19.9 15.9 23.9
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 5.030 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 129 Resp: 47092
Ion Ratio Lower Upper
129 100
127 86.5 60.5 112.5





#50

1,2-Dibromoethane

Concen: 5.256 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054916.D

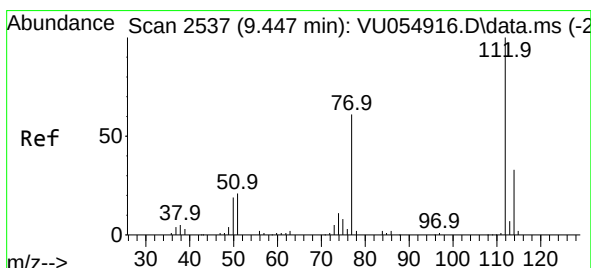
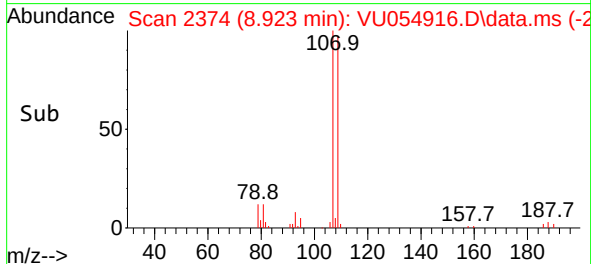
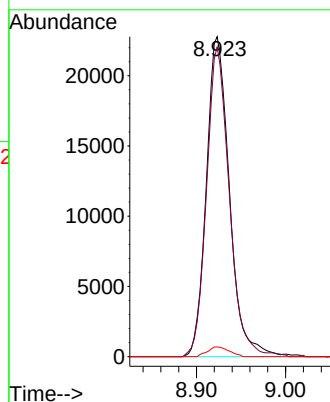
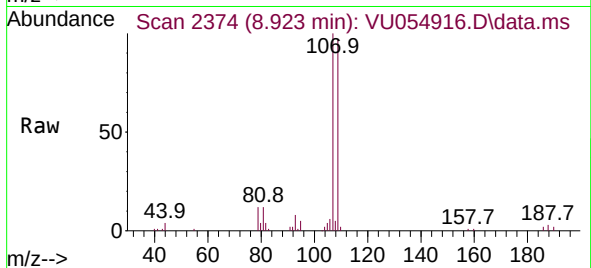
Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	40952
Ion	Ratio	Lower	Upper
107	100		
109	96.8	67.8	125.8
188	3.1	2.5	3.7



#51

Chlorobenzene

Concen: 5.430 ug/L

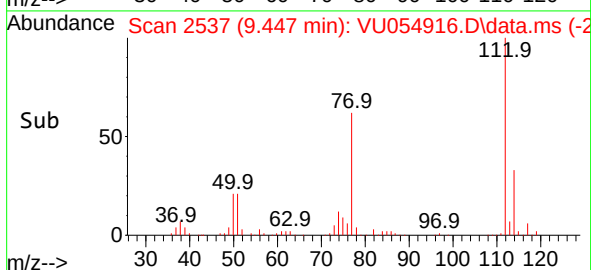
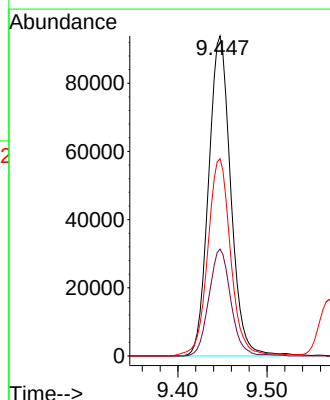
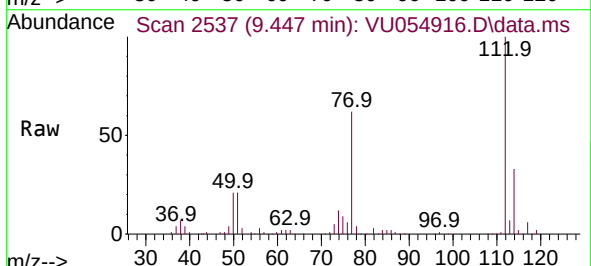
RT: 9.447 min Scan# 2537

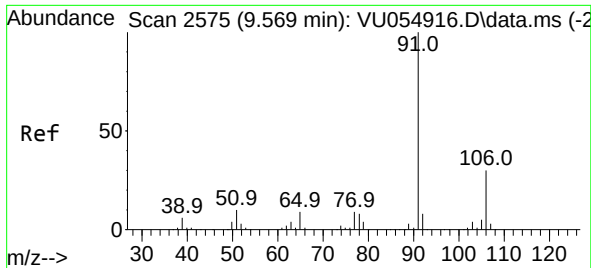
Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Tgt Ion:	112	Resp:	161844
Ion	Ratio	Lower	Upper
112	100		
114	33.4	23.4	43.4
77	61.6	49.3	73.9

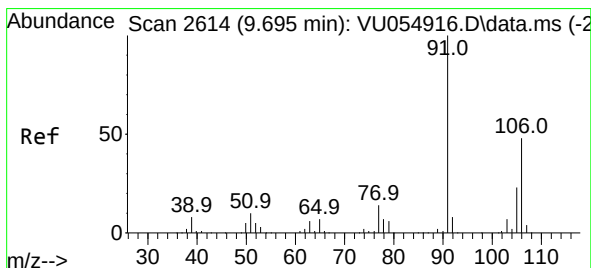
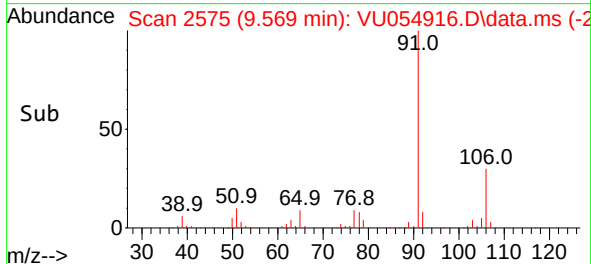
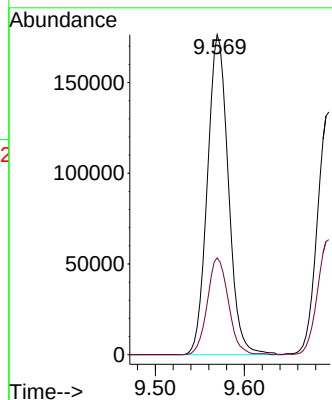
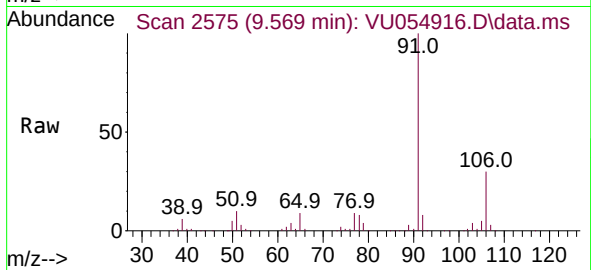




#52
Ethylbenzene
Concen: 5.700 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

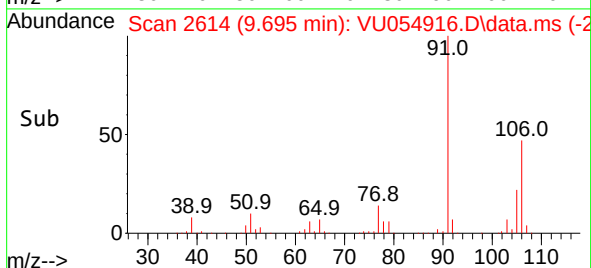
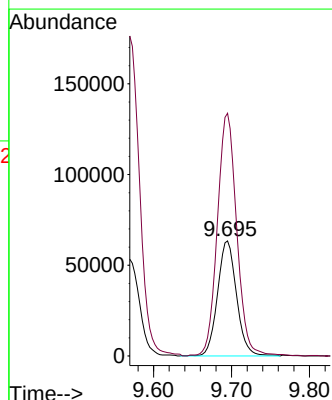
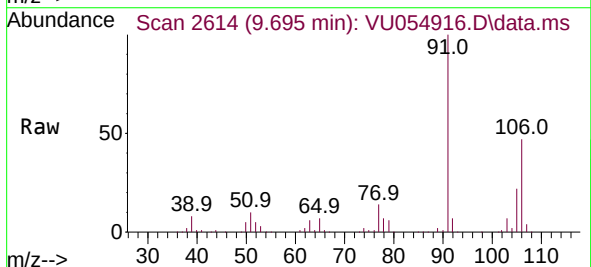
Instrument :
MSVOA_U
ClientSampleId :

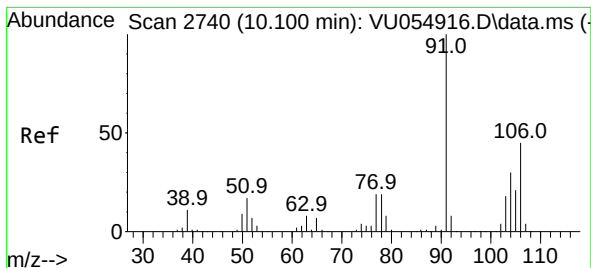
Tgt Ion: 91 Resp: 287886
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#53
m,p-Xylene
Concen: 5.615 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion:106 Resp: 107477
Ion Ratio Lower Upper
106 100
91 211.0 147.7 274.3





#54

o-Xylene

Concen: 5.740 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

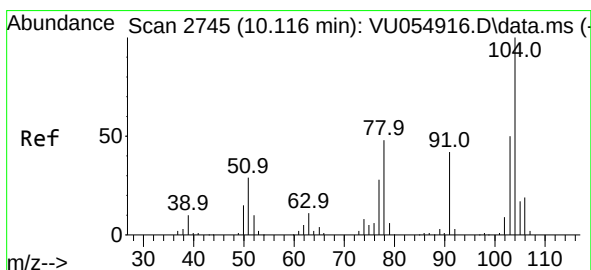
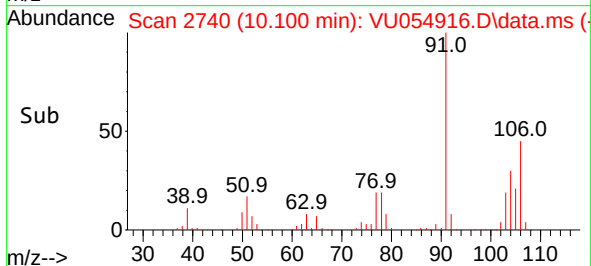
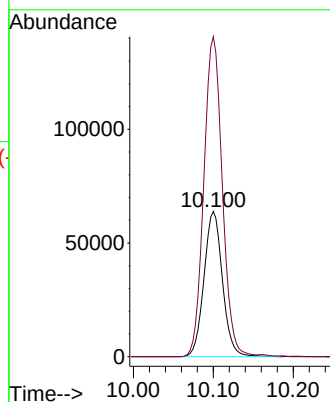
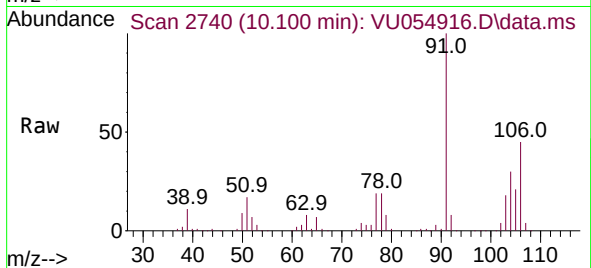
ClientSampleId :

Tgt Ion:106 Resp: 102803

Ion Ratio Lower Upper

106 100

91 220.3 154.2 286.4



#55

Styrene

Concen: 5.715 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.000 min

Lab File: VU054916.D

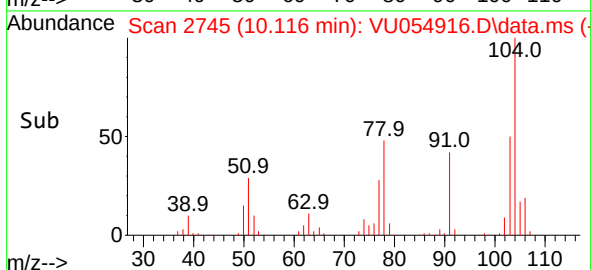
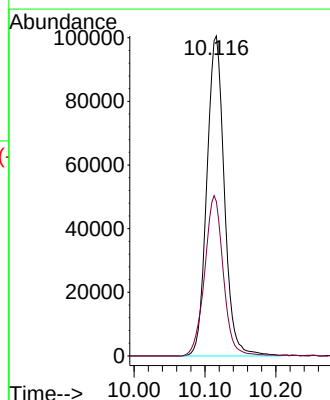
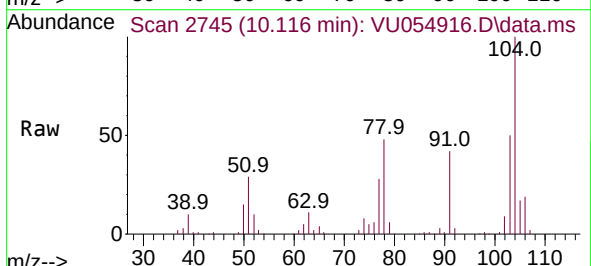
Acq: 28 Aug 2023 10:24

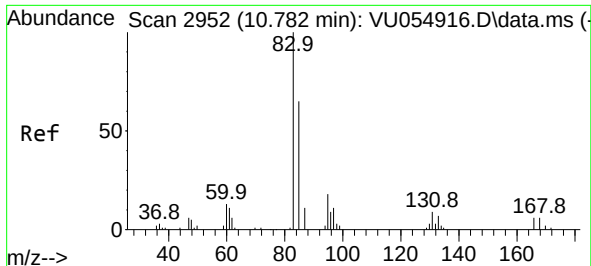
Tgt Ion:104 Resp: 172493

Ion Ratio Lower Upper

104 100

78 48.2 33.7 62.7

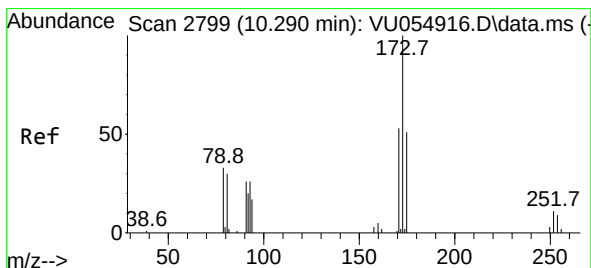
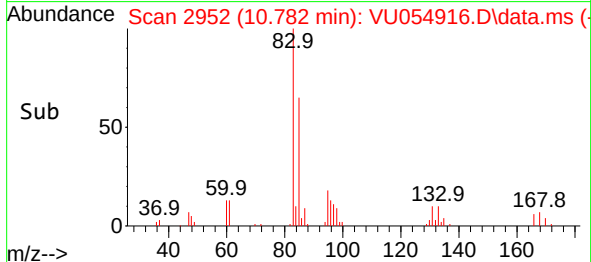
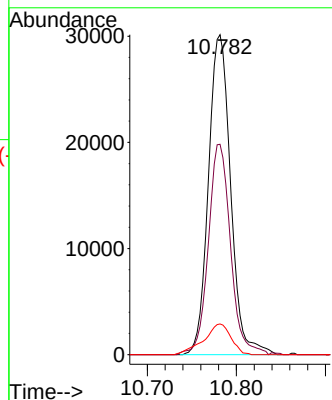
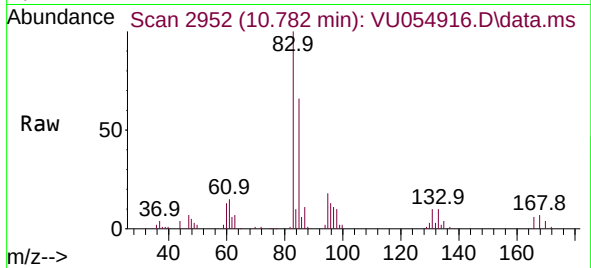




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.254 ug/L
 RT: 10.782 min Scan# 2952
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

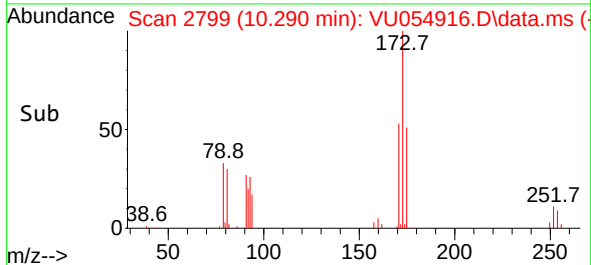
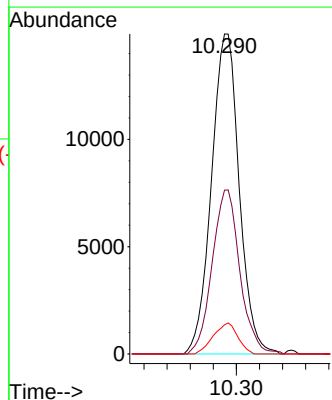
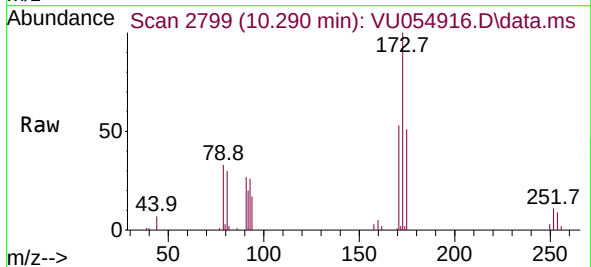
Instrument :
 MSVOA_U
 ClientSampleId :

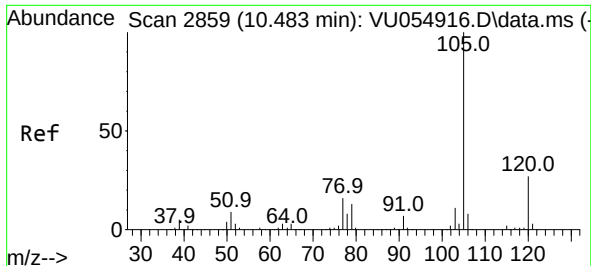
Tgt Ion: 83 Resp: 52236
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.1 85.5
 131 9.6 7.7 11.5



#59
 Bromoform
 Concen: 4.283 ug/L
 RT: 10.290 min Scan# 2799
 Delta R.T. 0.000 min
 Lab File: VU054916.D
 Acq: 28 Aug 2023 10:24

Tgt Ion: 173 Resp: 24889
 Ion Ratio Lower Upper
 173 100
 175 51.0 40.8 61.2
 254 8.5 6.8 10.2

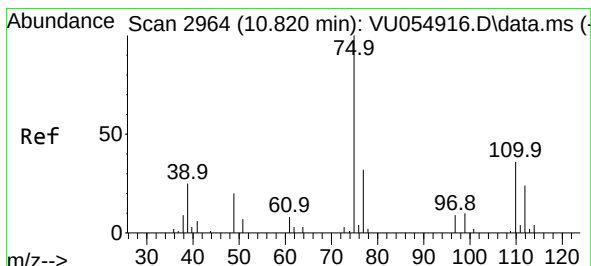
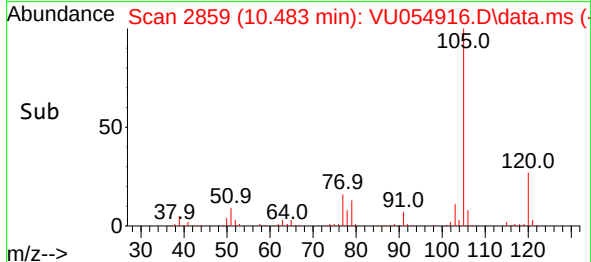
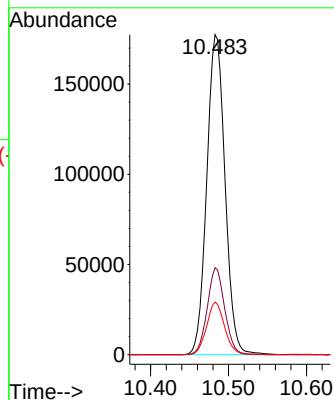
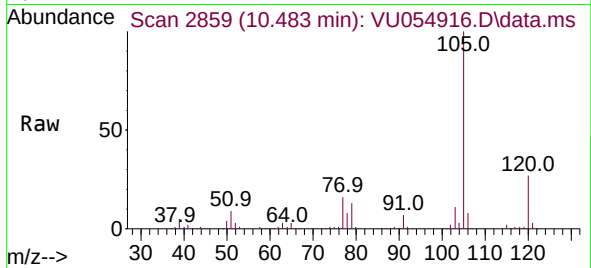




#60
Isopropylbenzene
Concen: 5.821 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

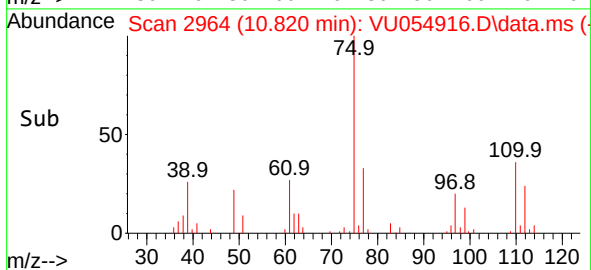
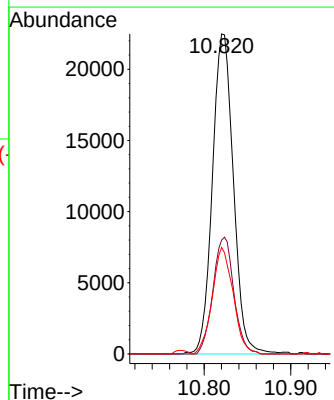
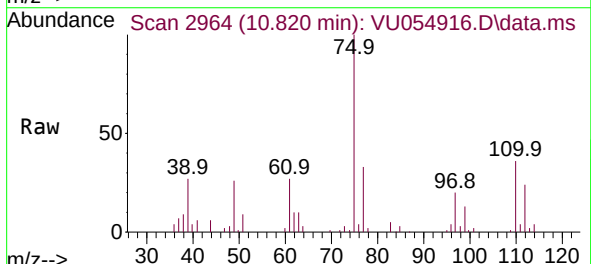
Instrument :
MSVOA_U
ClientSampleId :

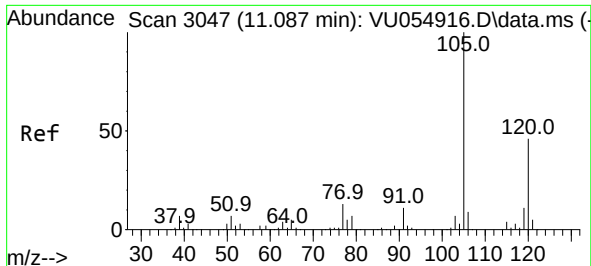
Tgt Ion:105 Resp: 289333
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.2 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.030 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion: 75 Resp: 37839
Ion Ratio Lower Upper
75 100
110 36.3 29.0 43.6
77 33.1 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 5.919 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

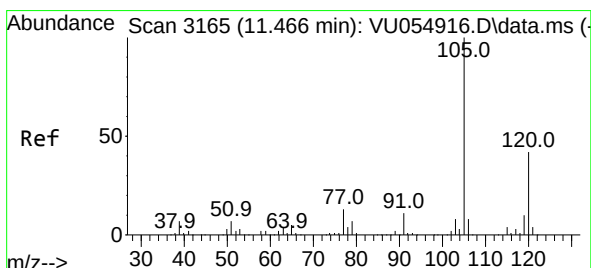
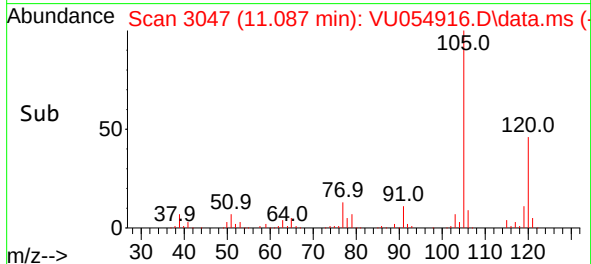
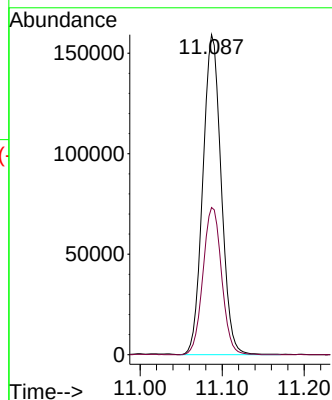
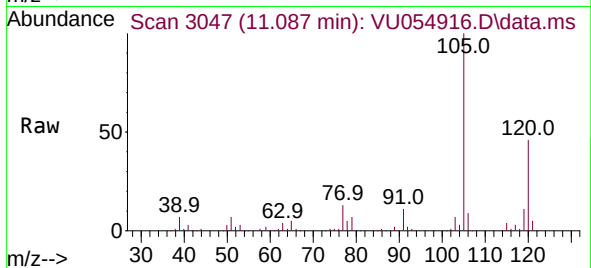
ClientSampleId :

Tgt Ion:105 Resp: 247044

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 5.892 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU054916.D

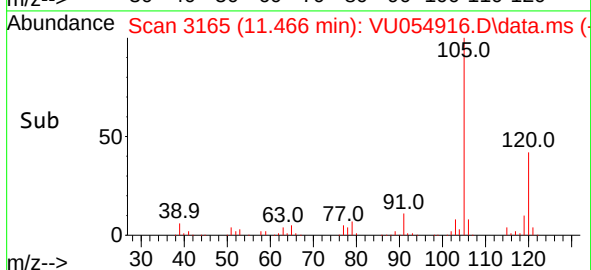
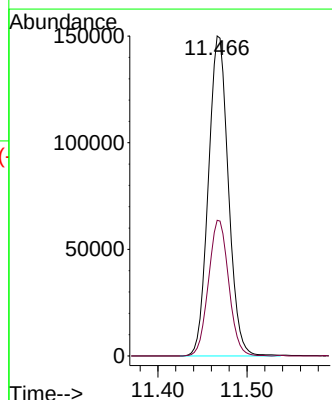
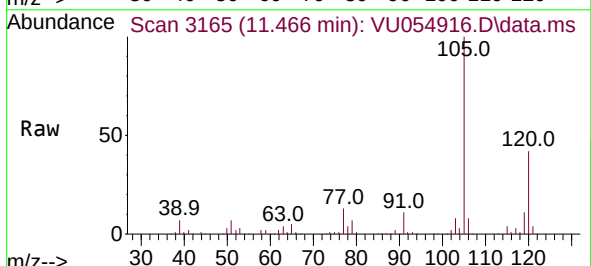
Acq: 28 Aug 2023 10:24

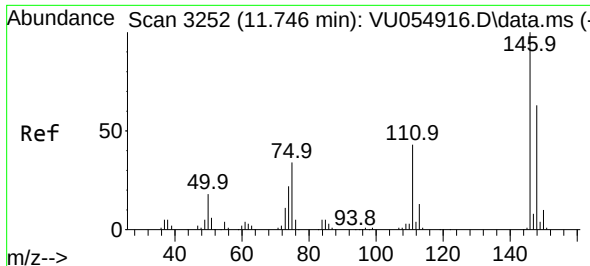
Tgt Ion:105 Resp: 233422

Ion Ratio Lower Upper

105 100

120 42.9 34.3 51.5

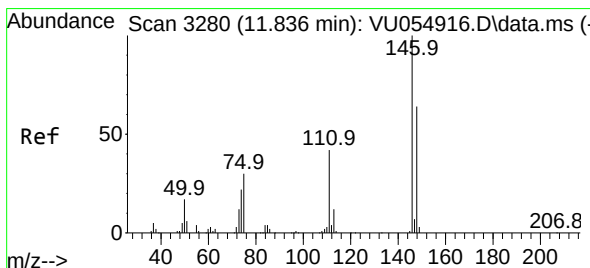
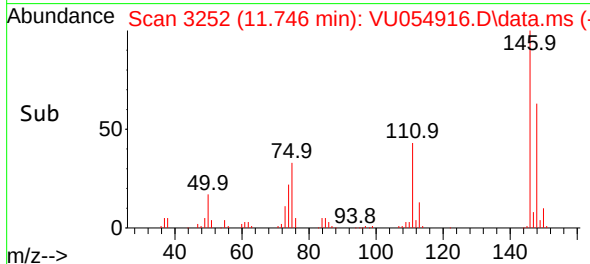
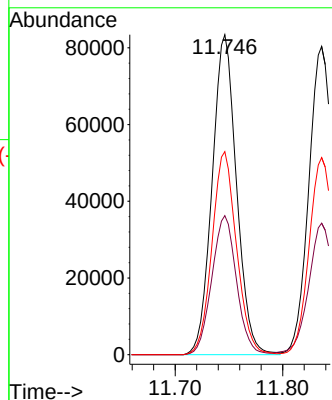
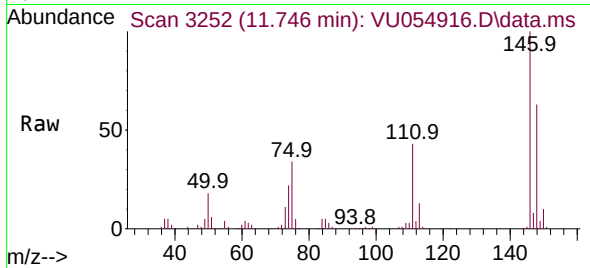




#64
1,3-Dichlorobenzene
Concen: 5.344 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

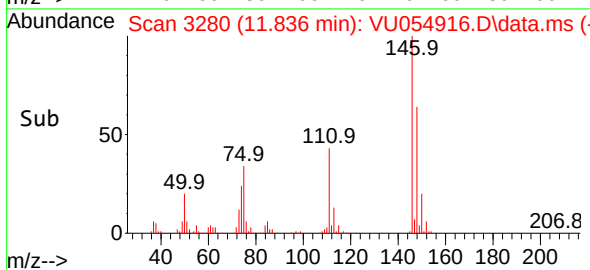
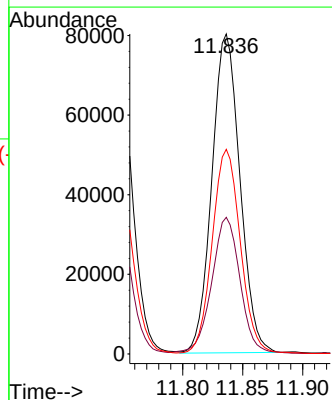
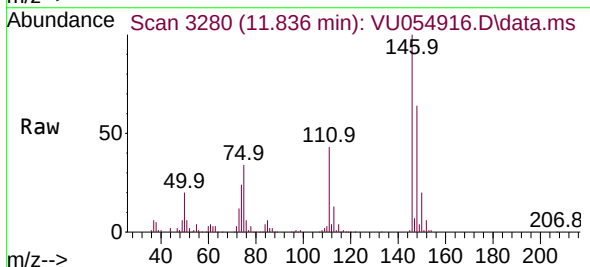
Instrument :
MSVOA_U
ClientSampleId :

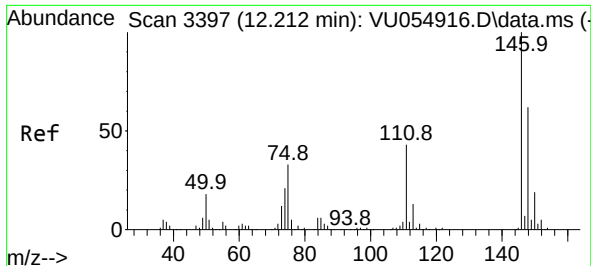
Tgt Ion:146 Resp: 131392
Ion Ratio Lower Upper
146 100
111 43.4 30.4 56.4
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.329 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU054916.D
Acq: 28 Aug 2023 10:24

Tgt Ion:146 Resp: 130211
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 63.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.353 ug/L

RT: 12.212 min Scan# 3397

Delta R.T. 0.000 min

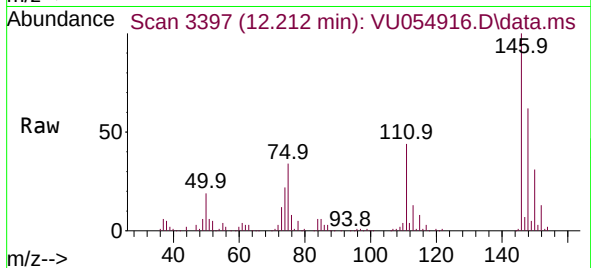
Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :



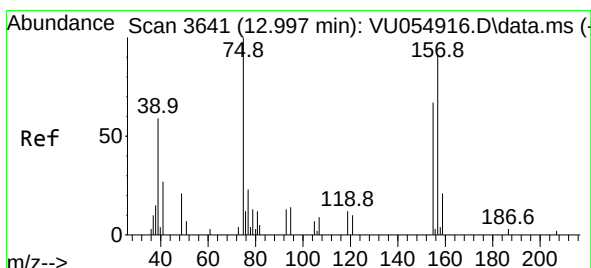
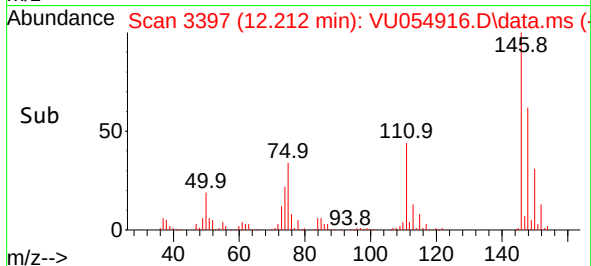
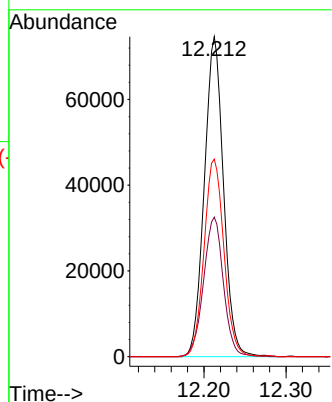
Tgt Ion:146 Resp: 121094

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

148 61.7 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.299 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

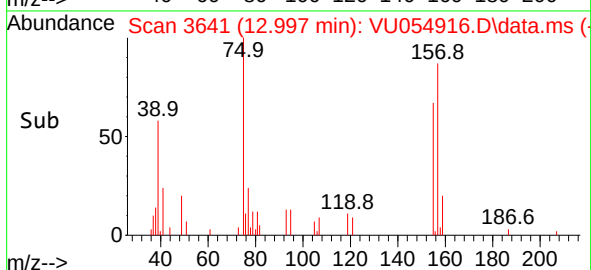
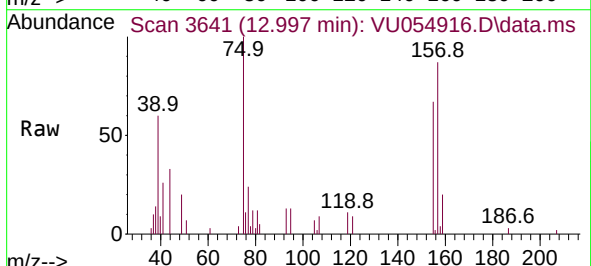
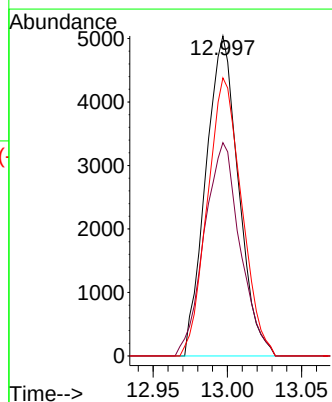
Tgt Ion: 75 Resp: 7711

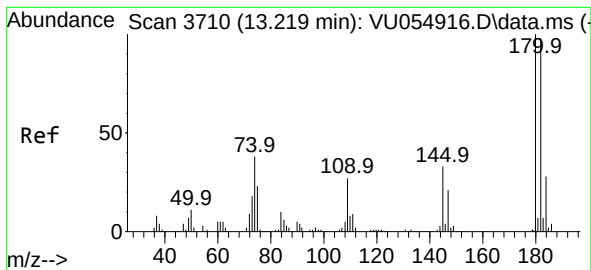
Ion Ratio Lower Upper

75 100

155 66.6 53.3 79.9

157 86.9 69.5 104.3





#69

1,3,5-Trichlorobenzene

Concen: 4.877 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

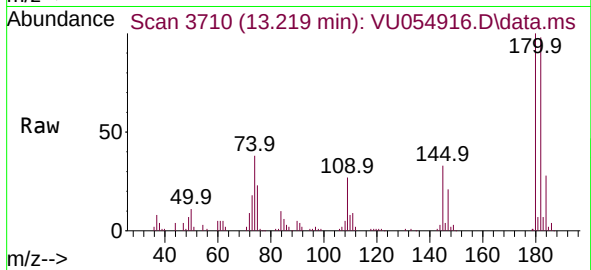
Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 87467

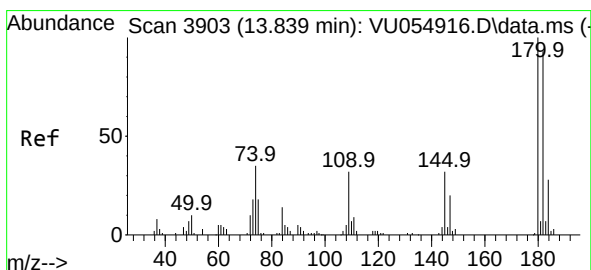
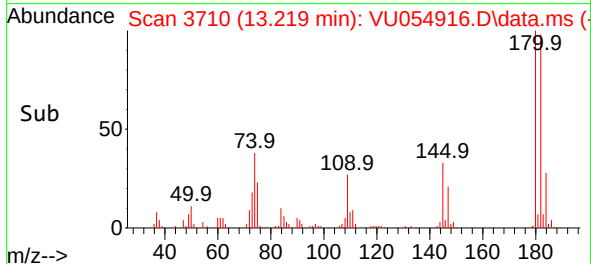
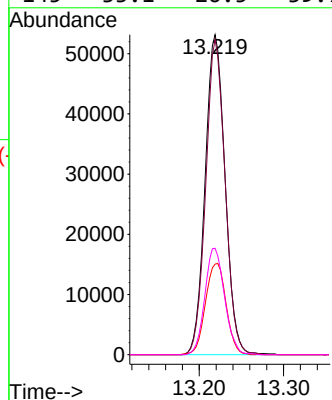
Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

184 29.5 23.6 35.4

145 33.1 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 4.679 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

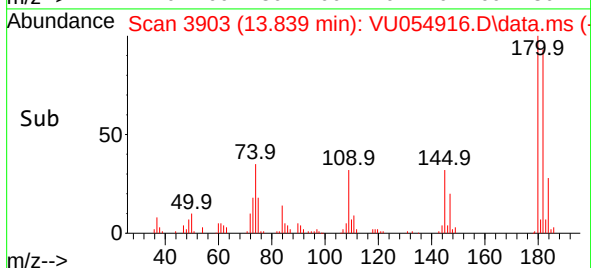
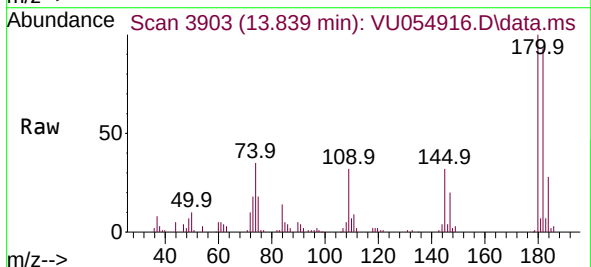
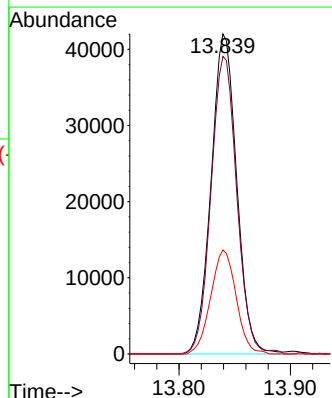
Tgt Ion:180 Resp: 67022

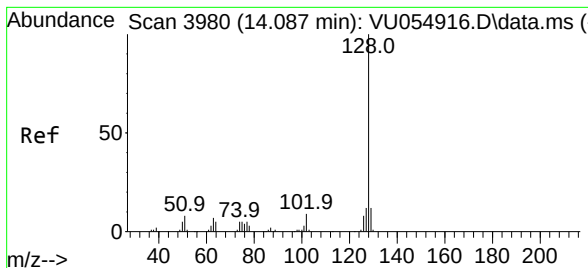
Ion Ratio Lower Upper

180 100

182 93.6 74.9 112.3

145 32.3 25.8 38.8





#71

Naphthalene

Concen: 4.320 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU054916.D

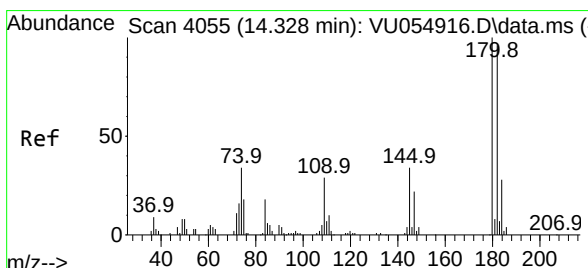
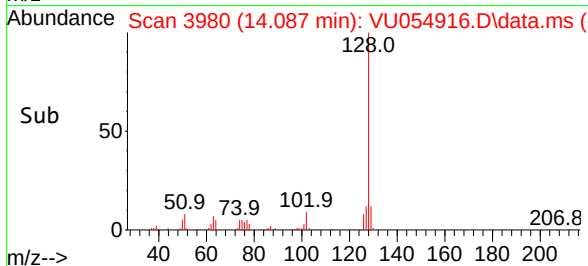
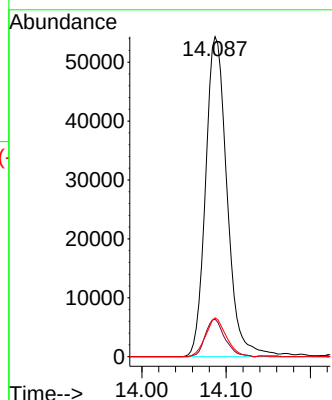
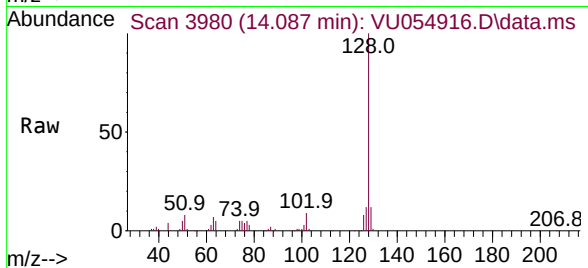
Acq: 28 Aug 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	96565
Ion Ratio	Lower	Upper
128	100	
129	10.7	8.6 12.8
127	11.6	9.3 13.9



#72

1,2,3-Trichlorobenzene

Concen: 4.350 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU054916.D

Acq: 28 Aug 2023 10:24

Tgt Ion:180	Resp:	54784
Ion Ratio	Lower	Upper
180	100	
182	97.1	77.7 116.5
145	35.1	28.1 42.1

