

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054919.D
 Acq On : 28 Aug 2023 11:56
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 04:46:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:38:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	207224	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	195498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	109696	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33955	5.192	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.800%
7) Chloroethane-d5	1.911	69	42259	5.001	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.000%
11) 1,1-Dichloroethene-d2	2.563	65	19072	5.159	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.200%
20) 2-Butanone-d5	4.628	46	177763	50.352	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.700%
24) Chloroform-d	5.062	84	129406	5.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.701	65	65899	5.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.724	84	230359	5.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	6.689	67	79290	5.130	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.897	98	215435	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.180	79	26761	5.261	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.200%
46) 2-Hexanone-d5	8.634	63	121926	50.504	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.000%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	68069	5.136	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	93150	5.318	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	64097	4.992	ug/L	100
3) Chloromethane	1.518	50	65612	4.897	ug/L	97
5) Vinyl chloride	1.602	62	70558	5.073	ug/L	100
6) Bromomethane	1.856	94	42413	4.887	ug/L	98
8) Chloroethane	1.930	64	44425	4.857	ug/L	100
9) Trichlorofluoromethane	2.136	101	96266	4.864	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	54896	5.106	ug/L	95
12) 1,1-Dichloroethene	2.576	96	47867	5.115	ug/L	93
13) Acetone	2.634	43	93284	48.883	ug/L	99
14) Carbon disulfide	2.788	76	130154	5.022	ug/L	98
15) Methyl Acetate	2.956	43	18890	4.836	ug/L	99
16) Methylene chloride	3.046	84	59003	4.105	ug/L	95
17) Methyl tert-butyl Ether	3.364	73	133492	4.902	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	52537	5.138	ug/L	93
19) 1,1-Dichloroethane	3.869	63	108112	5.040	ug/L	99
21) 2-Butanone	4.708	43	142040	48.575	ug/L	100
22) cis-1,2-Dichloroethene	4.666	96	60918	4.997	ug/L	91
23) Bromochloromethane	4.975	128	26909	5.101	ug/L	97
25) Chloroform	5.087	83	113161	4.810	ug/L	99

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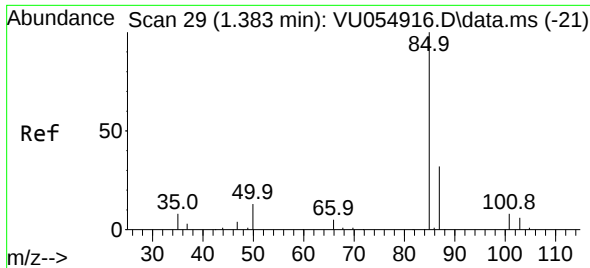
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:38:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	72015	5.010	ug/L	98
29) 1,1,1-Trichloroethane	5.316	97	97129	4.998	ug/L	98
30) Cyclohexane	5.386	56	89494	5.195	ug/L	98
31) Carbon tetrachloride	5.525	117	82582	4.995	ug/L	100
33) Benzene	5.772	78	235287	5.102	ug/L	100
34) Trichloroethene	6.541	95	66077	5.170	ug/L	98
35) Methylcyclohexane	6.762	83	95991	5.076	ug/L	99
37) 1,2-Dichloropropane	6.791	63	64506	5.017	ug/L	100
38) Bromodichloromethane	7.103	83	75802	4.753	ug/L	98
39) cis-1,3-Dichloropropene	7.608	75	95669	5.164	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	361498	50.436	ug/L	100
42) Toluene	7.968	91	255312	4.989	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	78376	5.123	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	45720	5.269	ug/L	98
47) Tetrachloroethene	8.553	164	47086	5.127	ug/L	92
48) 2-Hexanone	8.685	43	301792	56.856	ug/L	99
49) Dibromochloromethane	8.811	129	48686	4.844	ug/L	87
50) 1,2-Dibromoethane	8.923	107	41593	4.980	ug/L	94
51) Chlorobenzene	9.447	112	168609	5.062	ug/L	97
52) Ethylbenzene	9.569	91	290712	5.037	ug/L	99
53) m,p-Xylene	9.692	106	108369	5.010	ug/L	96
54) o-Xylene	10.100	106	108147	5.215	ug/L	97
55) Styrene	10.116	104	180736	5.287	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.782	83	52946	4.932	ug/L	98
59) Bromoform	10.290	173	26463	4.856	ug/L	99
60) Isopropylbenzene	10.483	105	298852	5.075	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	41270	5.053	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	259515	5.135	ug/L	99
63) 1,2,4-Trimethylbenzene	11.470	105	248012	5.289	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	141458	5.163	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	143683	5.242	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	129653	5.192	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	8333	5.266	ug/L	99
69) 1,3,5-Trichlorobenzene	13.219	180	106337	5.821	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	91707	6.410	ug/L	99
71) Naphthalene	14.087	128	176411	8.196	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	80816	6.817	ug/L	96

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

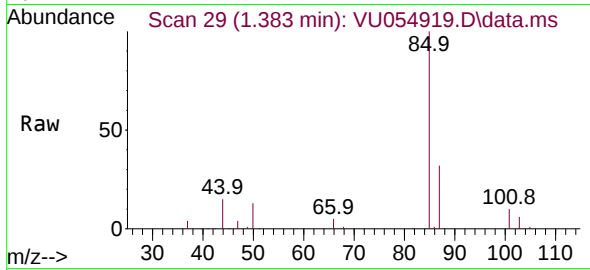
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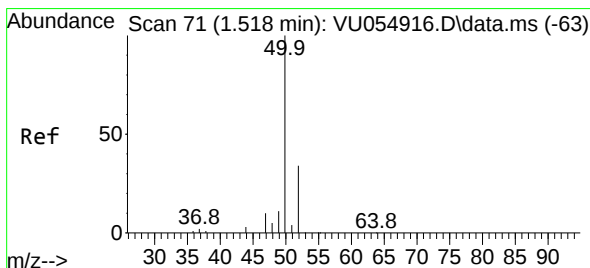
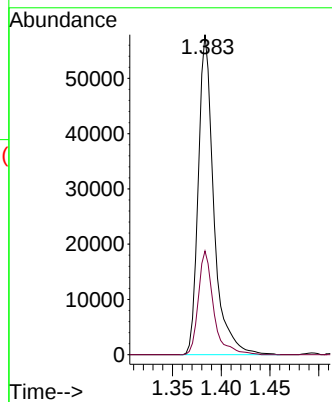
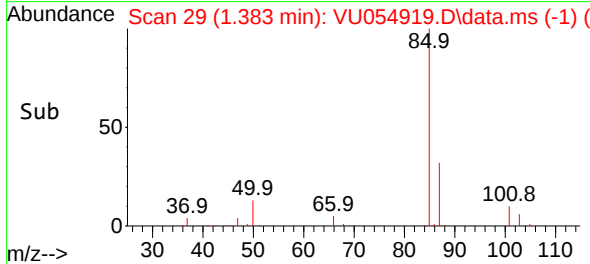


#2
 Dichlorodifluoromethane
 Concen: 4.992 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

Instrument :
 MSVOA_U
 ClientSampleId :

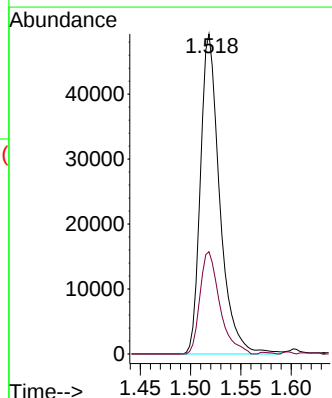
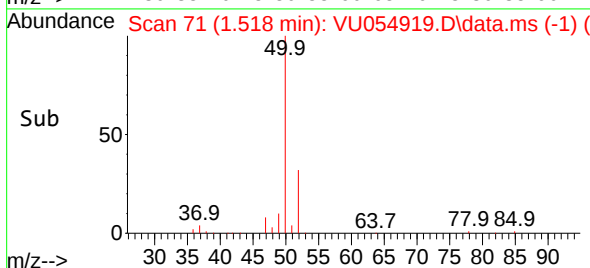
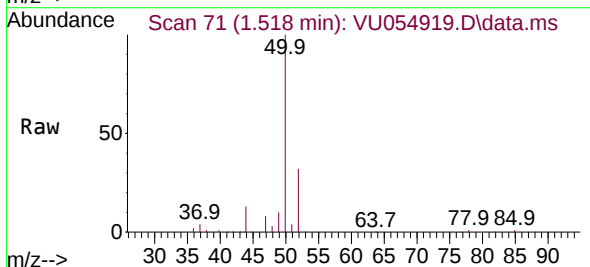


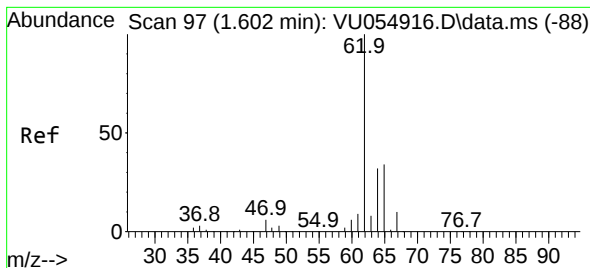
Tgt Ion: 85 Resp: 64097
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.4 38.0



#3
 Chloromethane
 Concen: 4.897 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

Tgt Ion: 50 Resp: 65612
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.4 43.6





#5

Vinyl chloride

Concen: 5.073 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

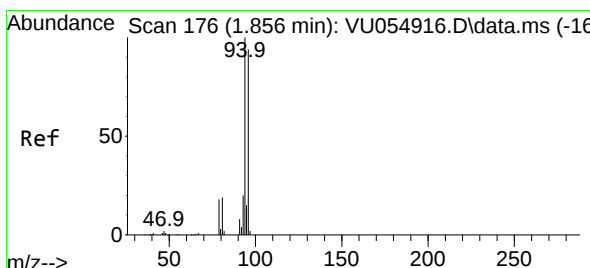
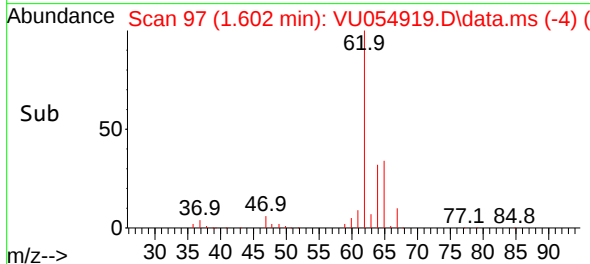
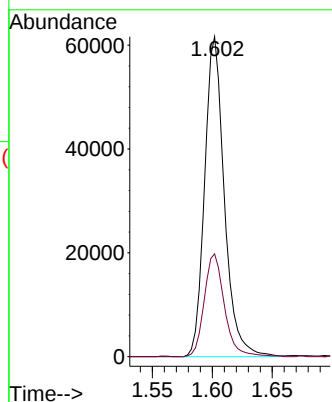
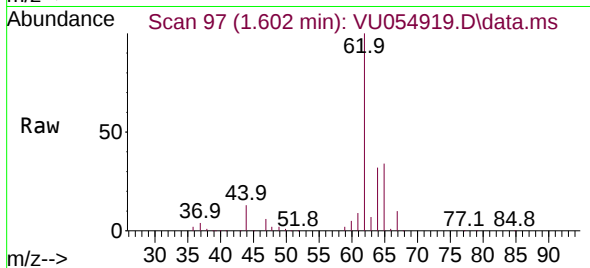
ClientSampleId :

Tgt Ion: 62 Resp: 70558

Ion Ratio Lower Upper

62 100

64 32.1 22.7 42.1



#6

Bromomethane

Concen: 4.887 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU054919.D

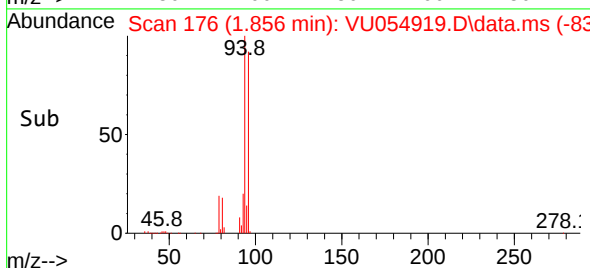
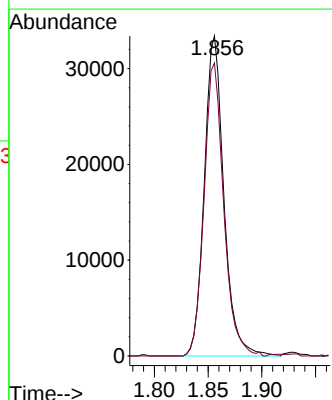
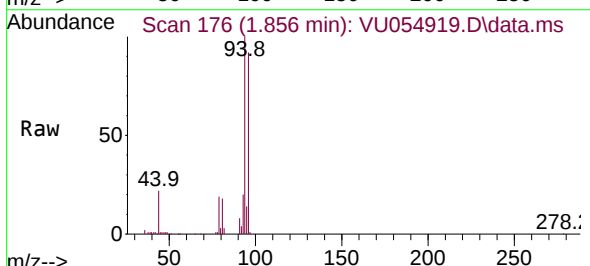
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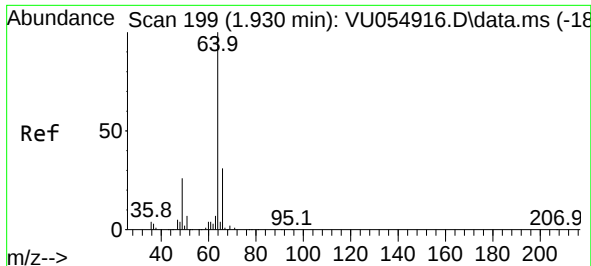
Tgt Ion: 94 Resp: 42413

Ion Ratio Lower Upper

94 100

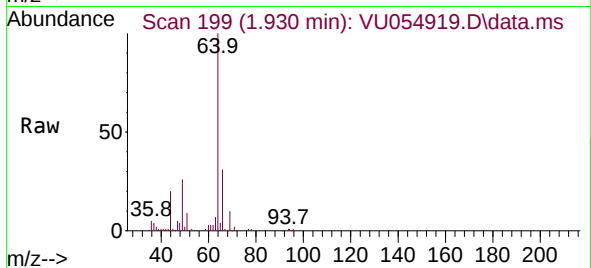
96 91.6 65.5 121.7



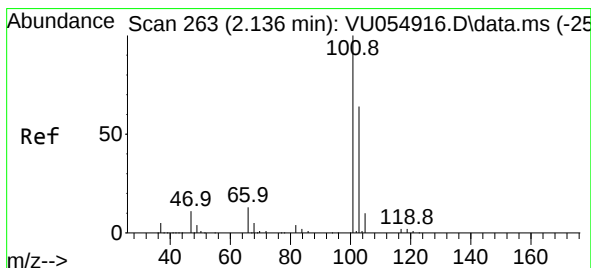
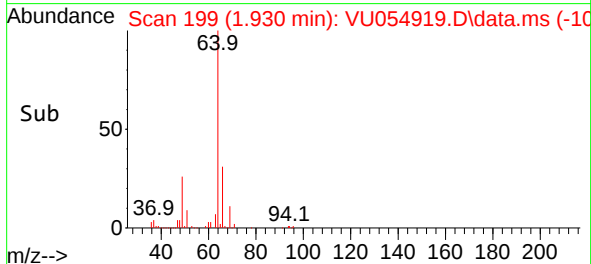
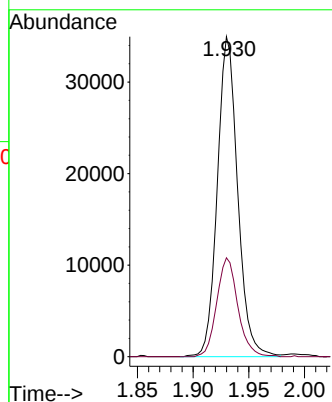


#8
Chloroethane
Concen: 4.857 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Instrument :
MSVOA_U
ClientSampleId :

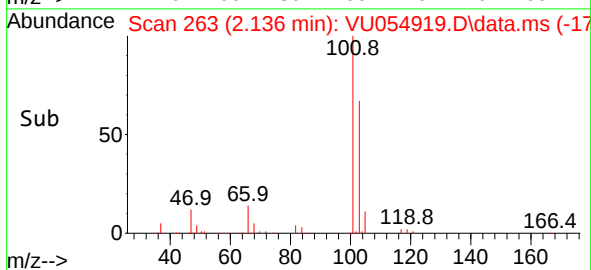
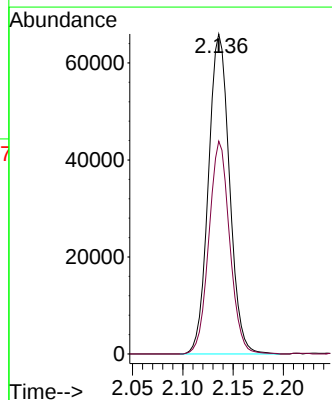
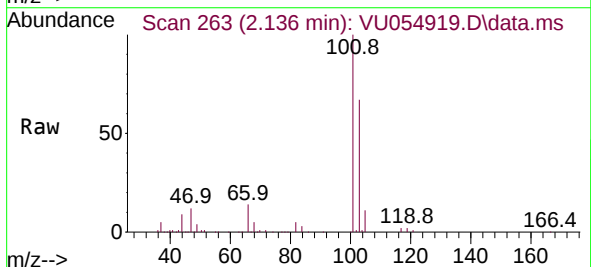


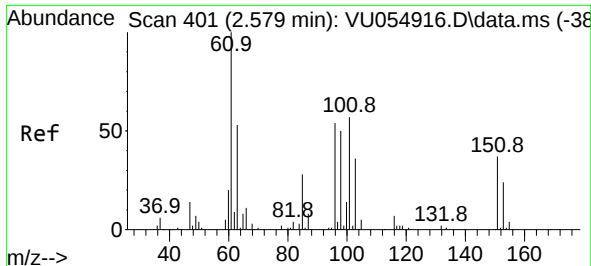
Tgt Ion: 64 Resp: 44425
Ion Ratio Lower Upper
64 100
66 30.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.864 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion: 101 Resp: 96266
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.4

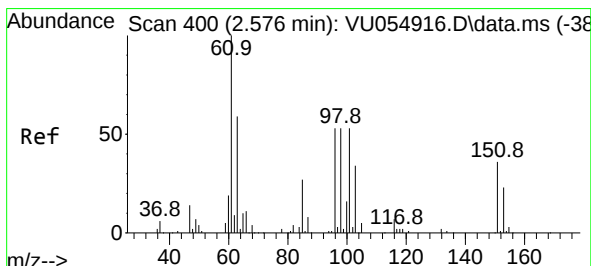
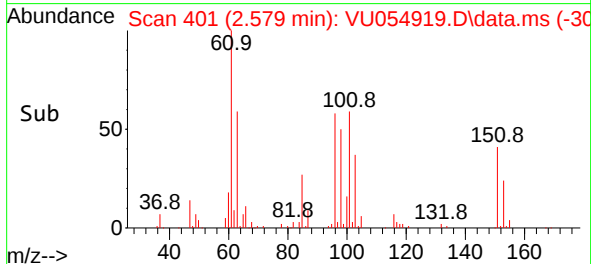
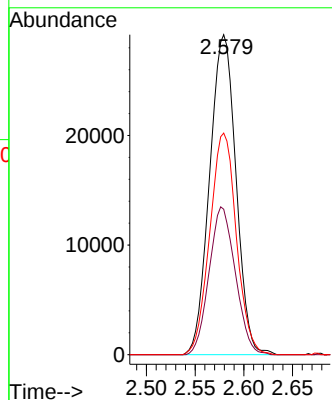
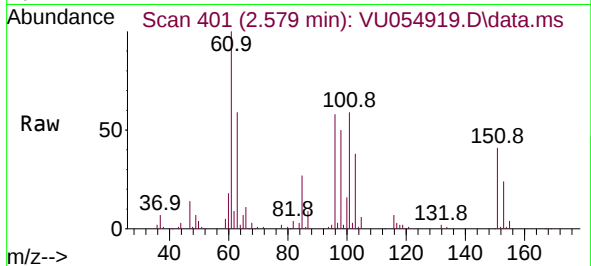




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.106 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

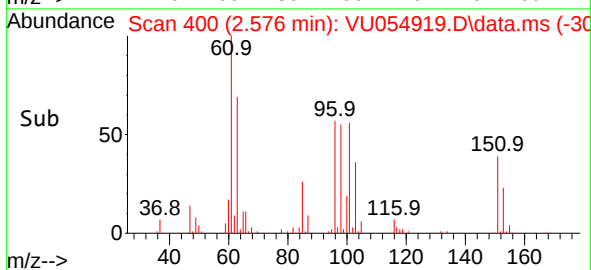
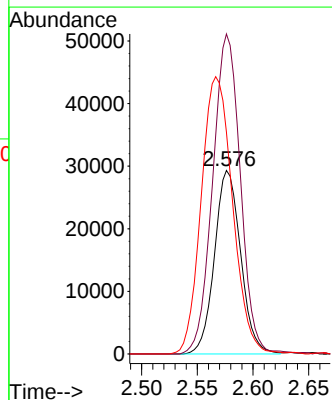
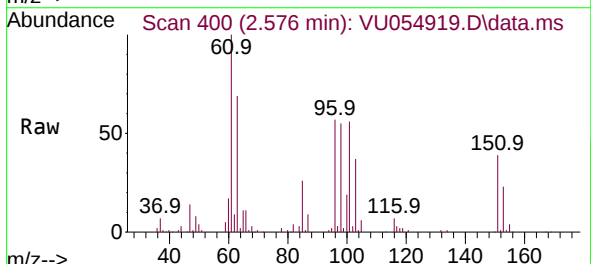
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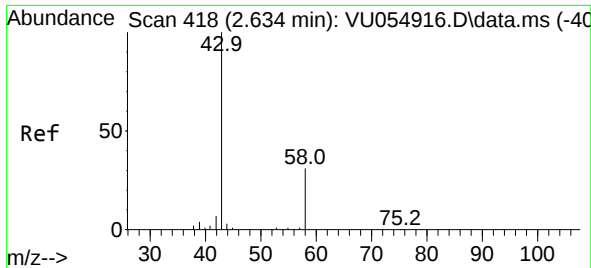
Tgt Ion:101 Resp: 54896
 Ion Ratio Lower Upper
 101 100
 85 46.0 38.3 57.5
 151 70.0 51.5 77.3



#12
 1,1-Dichloroethene
 Concen: 5.115 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

Tgt Ion: 96 Resp: 47867
 Ion Ratio Lower Upper
 96 100
 61 174.4 132.4 245.8
 63 120.8 82.5 153.1





#13

Acetone

Concen: 48.883 ug/L

RT: 2.634 min Scan# 418

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

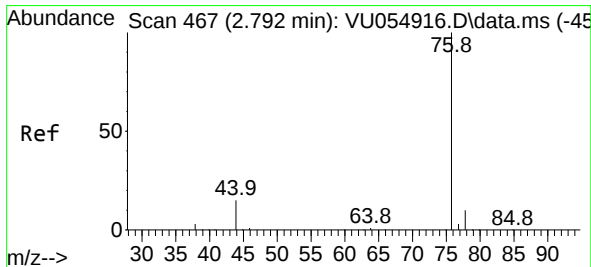
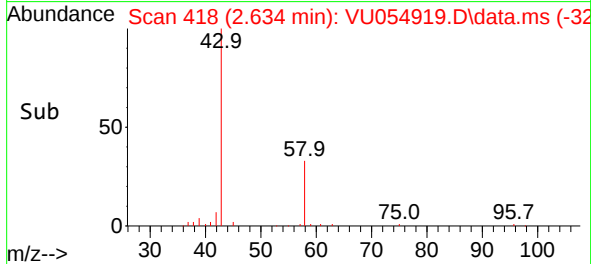
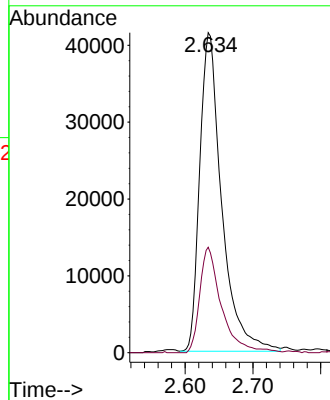
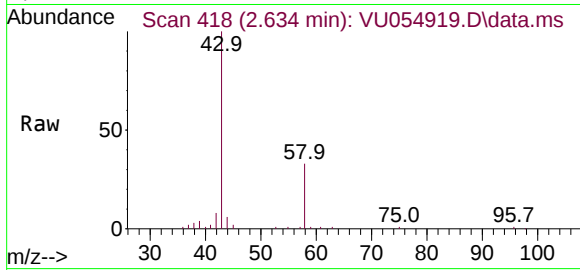
ClientSampleId :

Tgt Ion: 43 Resp: 93284

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.4



#14

Carbon disulfide

Concen: 5.022 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054919.D

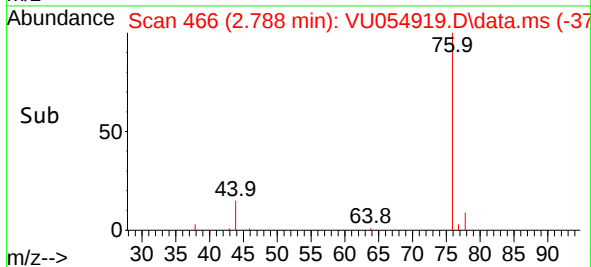
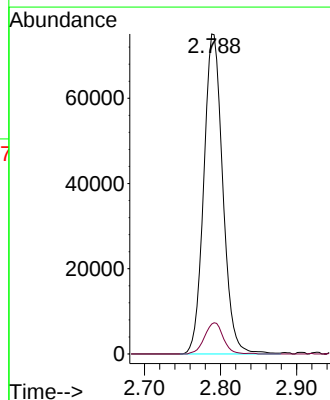
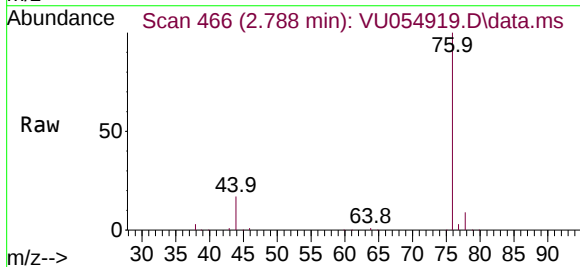
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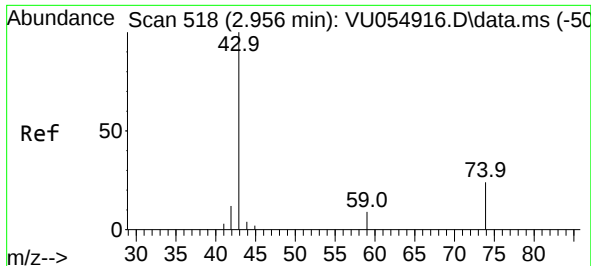
Tgt Ion: 76 Resp: 130154

Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

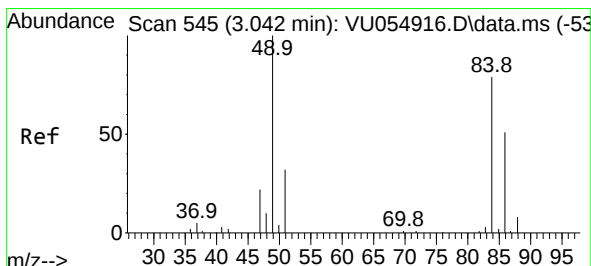
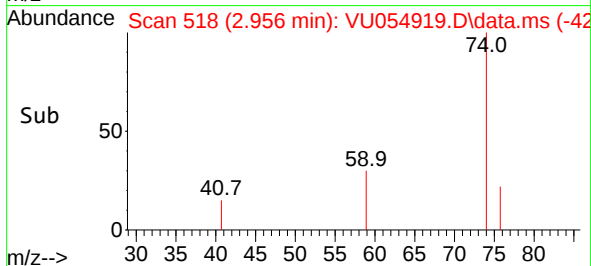
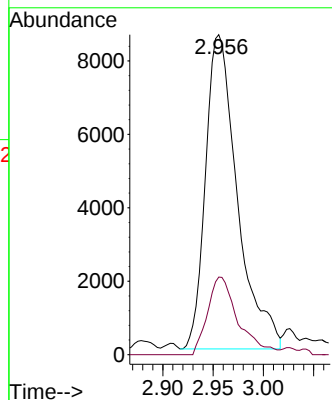
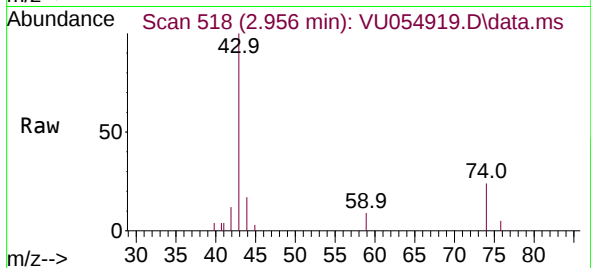




#15
Methyl Acetate
Concen: 4.836 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

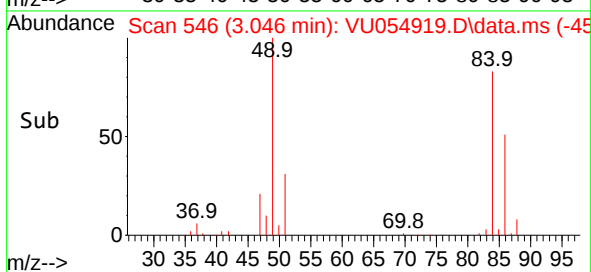
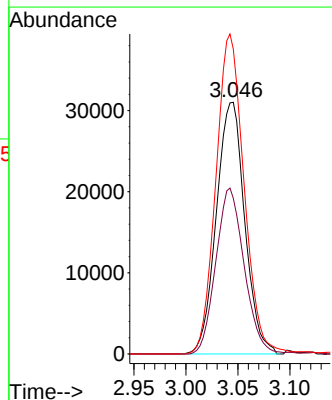
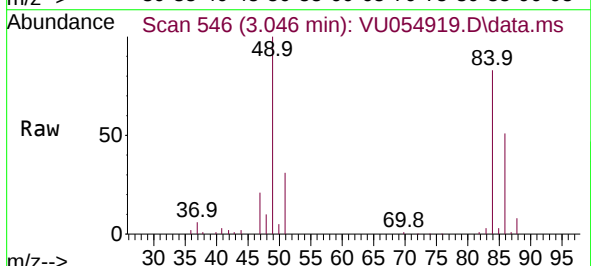
Instrument :
MSVOA_U
ClientSampleId :

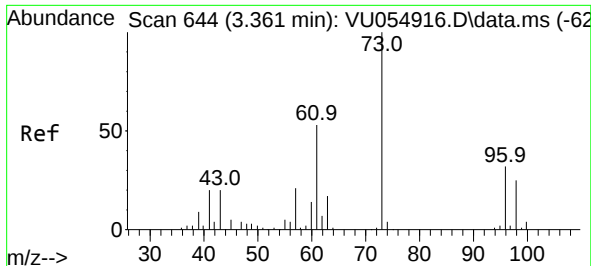
Tgt Ion: 43 Resp: 18890
Ion Ratio Lower Upper
43 100
74 23.7 19.5 29.3



#16
Methylene chloride
Concen: 4.105 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion: 84 Resp: 59003
Ion Ratio Lower Upper
84 100
86 61.8 45.1 83.7
49 121.1 89.5 166.3

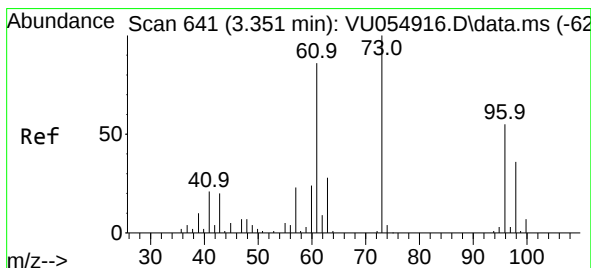
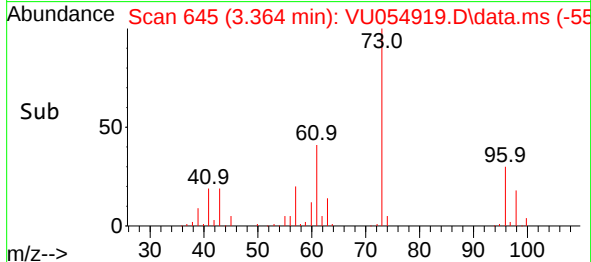
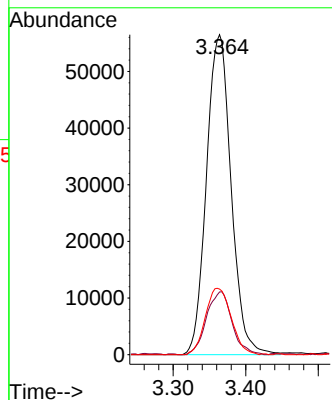
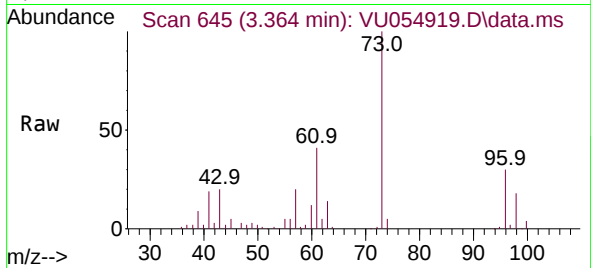




#17
Methyl tert-butyl Ether
Concen: 4.902 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

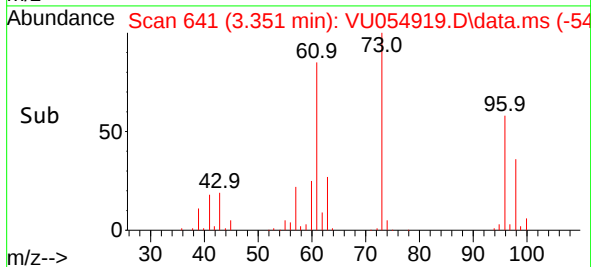
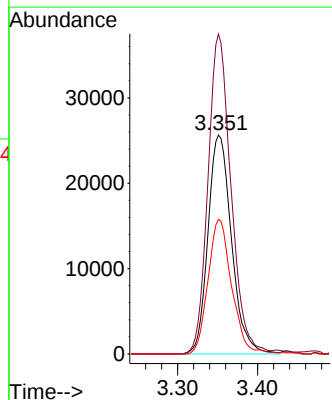
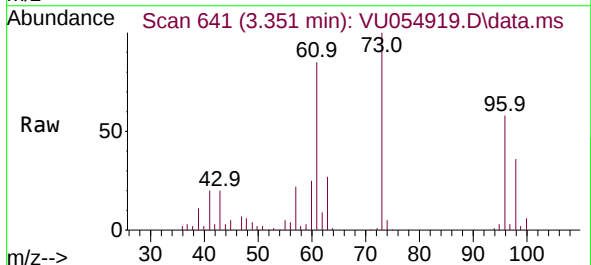
Instrument :
MSVOA_U
ClientSampleId :

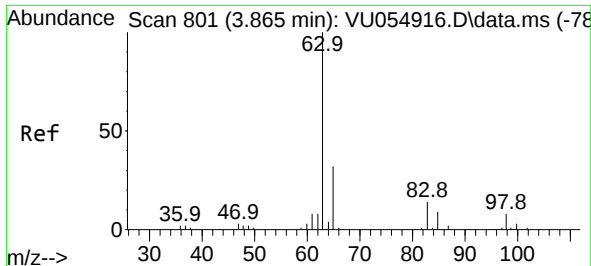
Tgt Ion: 73 Resp: 133492
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.2
57 21.7 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 5.138 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion: 96 Resp: 52537
Ion Ratio Lower Upper
96 100
61 146.1 108.8 202.0
98 61.5 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.040 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

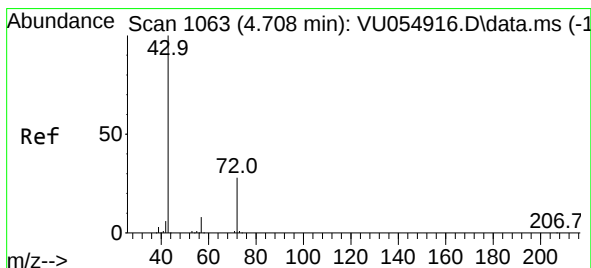
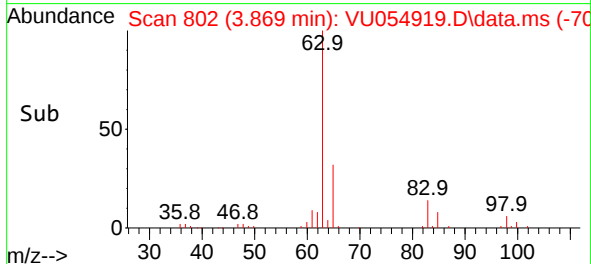
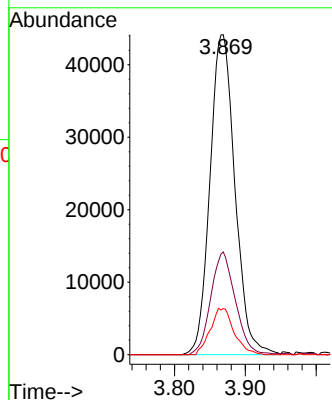
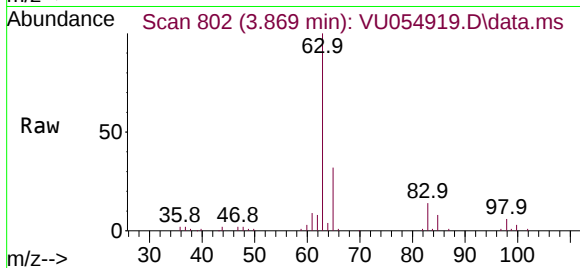
Tgt Ion: 63 Resp: 108112

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 14.4 9.5 17.7



#21

2-Butanone

Concen: 48.575 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VU054919.D

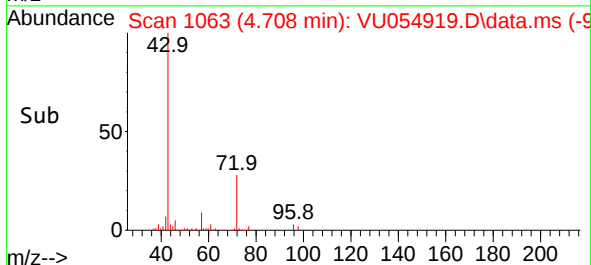
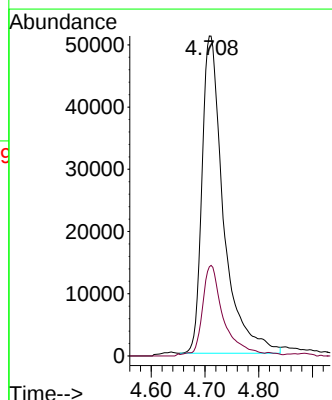
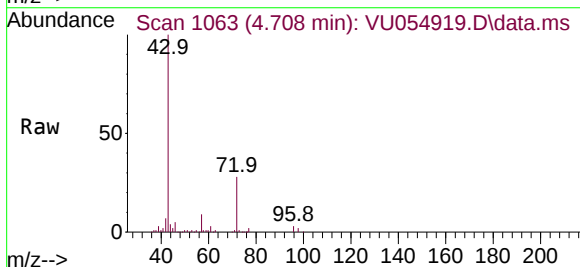
Acq: 28 Aug 2023 11:56

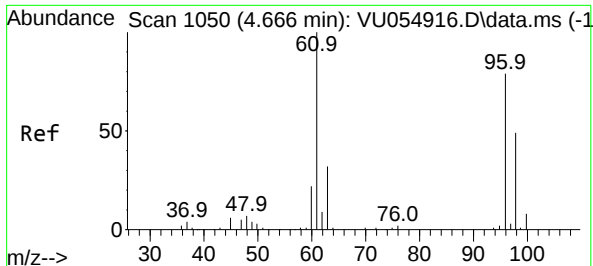
Tgt Ion: 43 Resp: 142040

Ion Ratio Lower Upper

43 100

72 28.1 14.1 42.3

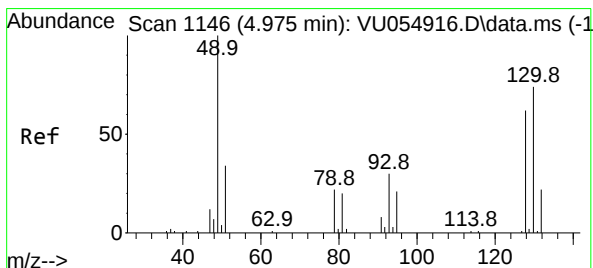
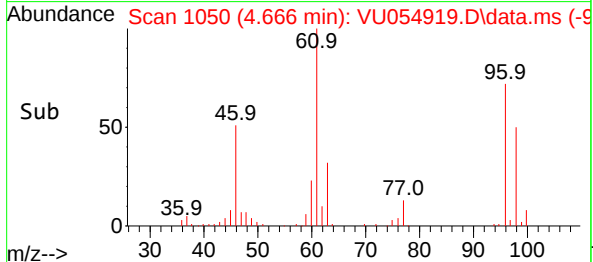
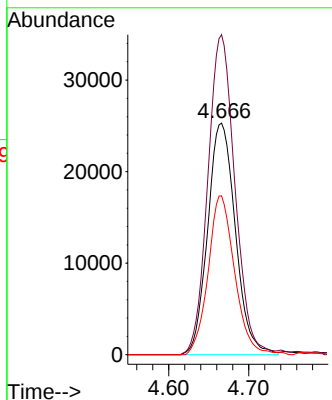
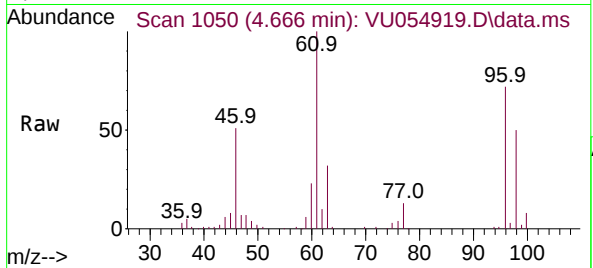




#22
 cis-1,2-Dichloroethene
 Concen: 4.997 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

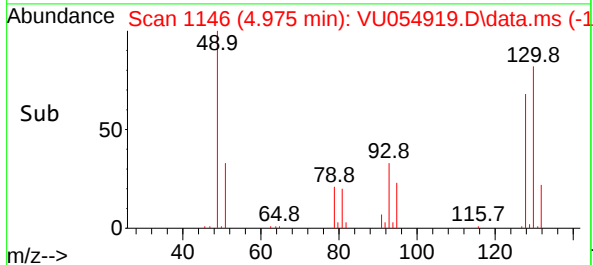
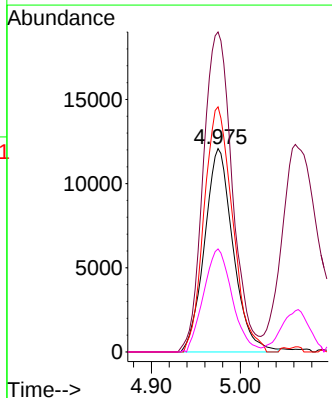
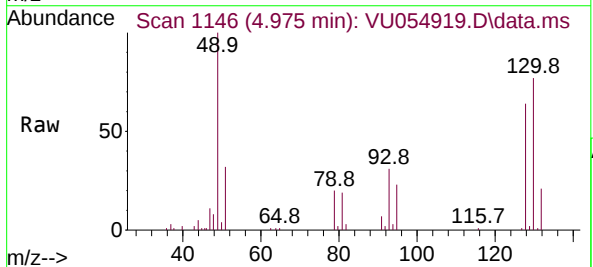
Instrument :
 MSVOA_U
 ClientSampleId :

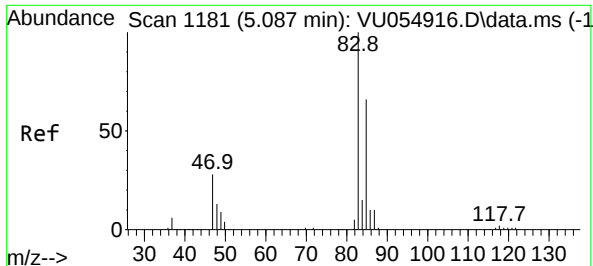
Tgt Ion:	96	Resp:	60918
Ion	Ratio	Lower	Upper
96	100		
61	138.2	88.4	164.2
98	68.6	44.0	81.6



#23
 Bromochloromethane
 Concen: 5.101 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.000 min
 Lab File: VU054919.D
 Acq: 28 Aug 2023 11:56

Tgt Ion:	128	Resp:	26909
Ion	Ratio	Lower	Upper
128	100		
49	157.4	113.8	211.3
130	120.5	83.9	155.7
51	50.7	43.9	65.9





#25

Chloroform

Concen: 4.810 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

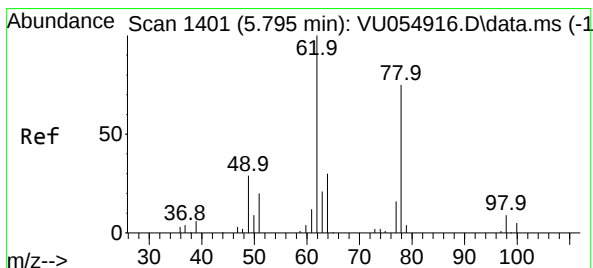
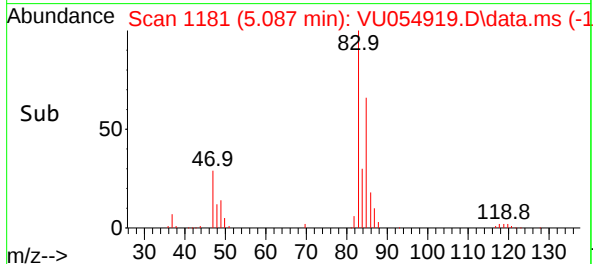
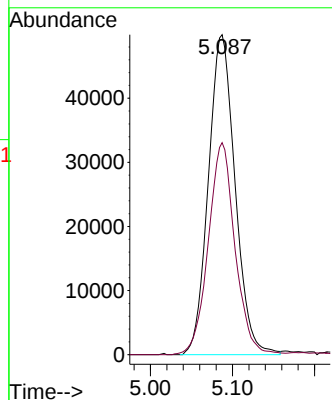
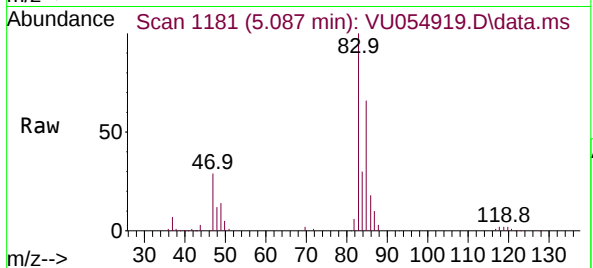
ClientSampleId :

Tgt Ion: 83 Resp: 113161

Ion Ratio Lower Upper

83 100

85 66.3 46.7 86.7



#27

1,2-Dichloroethane

Concen: 5.010 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU054919.D

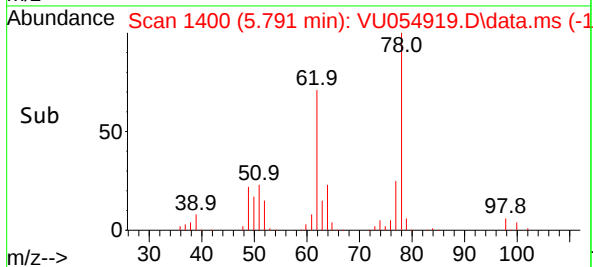
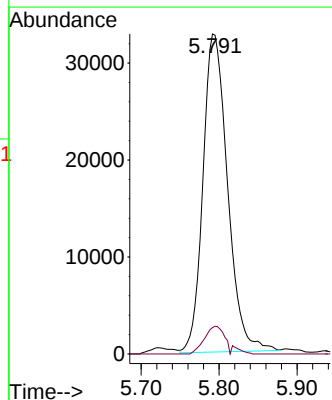
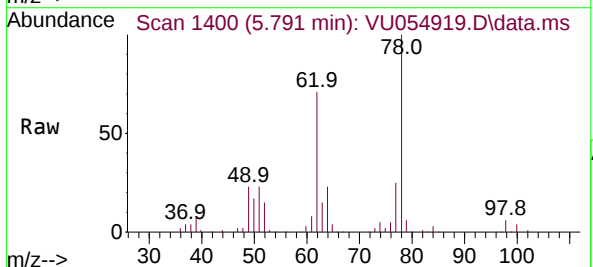
Acq: 28 Aug 2023 11:56

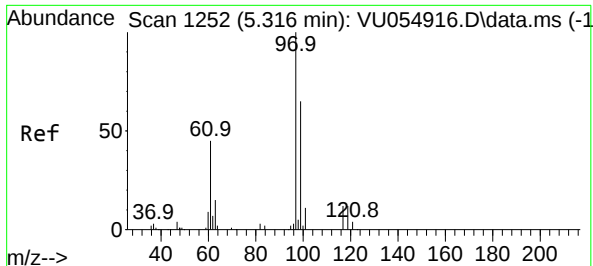
Tgt Ion: 62 Resp: 72015

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.998 ug/L

RT: 5.316 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

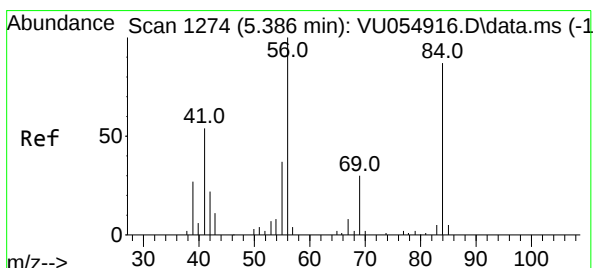
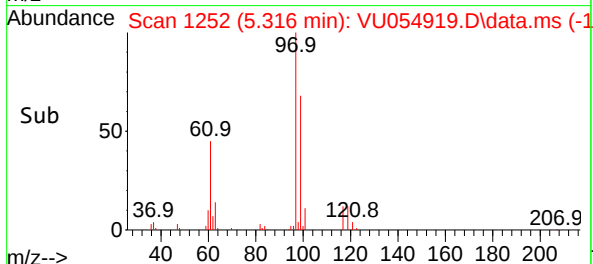
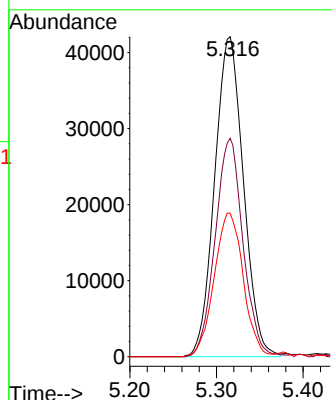
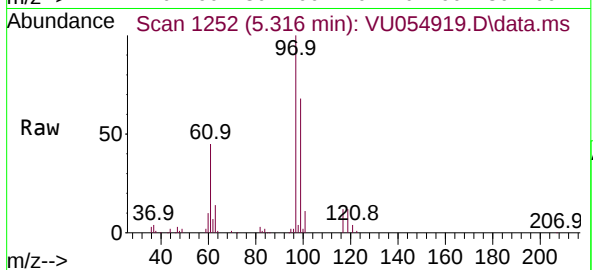
Tgt Ion: 97 Resp: 97129

Ion Ratio Lower Upper

97 100

99 66.0 51.5 77.3

61 45.2 37.2 55.8



#30

Cyclohexane

Concen: 5.195 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

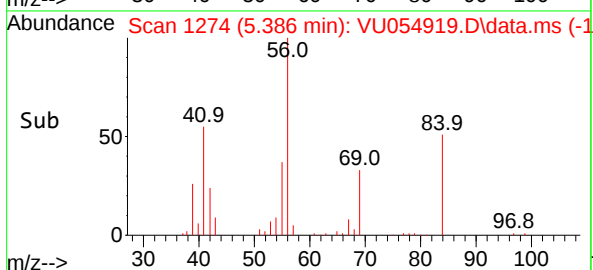
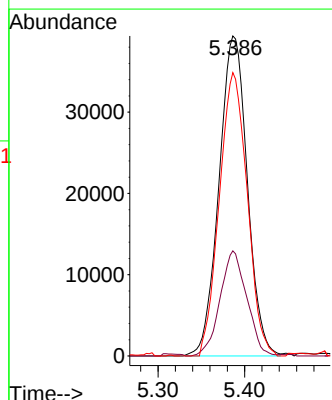
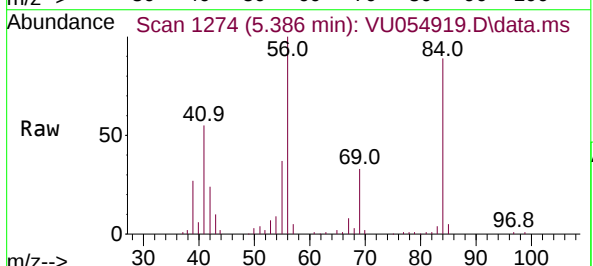
Tgt Ion: 56 Resp: 89494

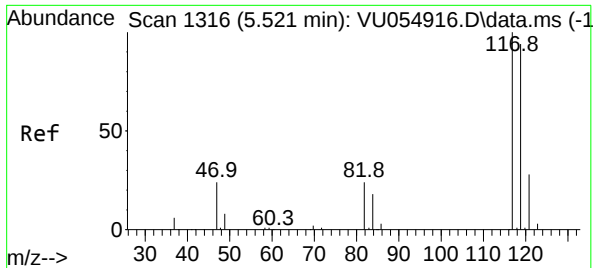
Ion Ratio Lower Upper

56 100

69 31.0 24.5 36.7

84 87.1 71.3 106.9

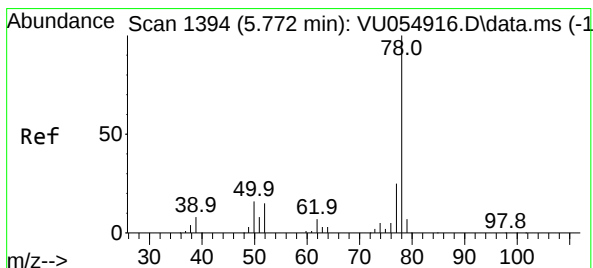
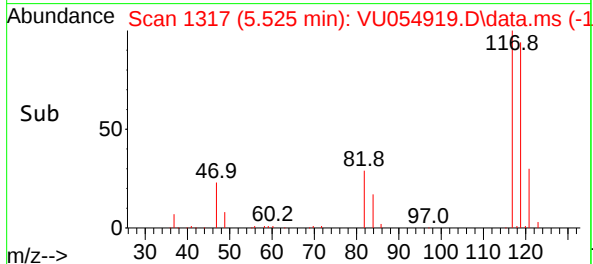
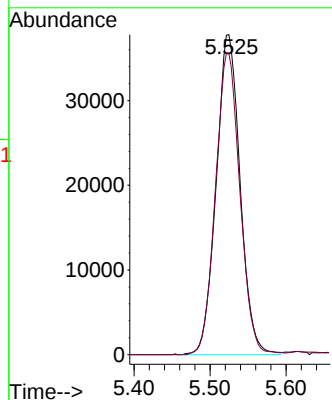
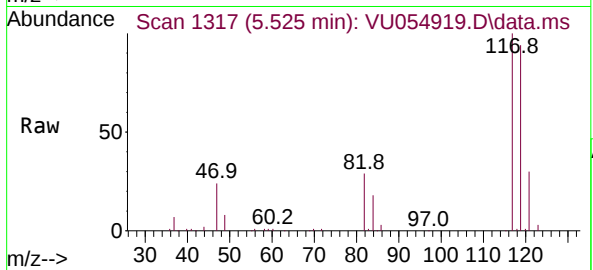




#31
Carbon tetrachloride
Concen: 4.995 ug/L
RT: 5.525 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

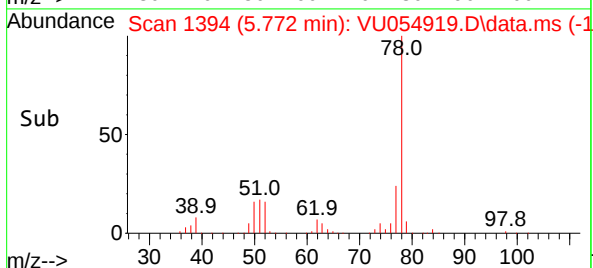
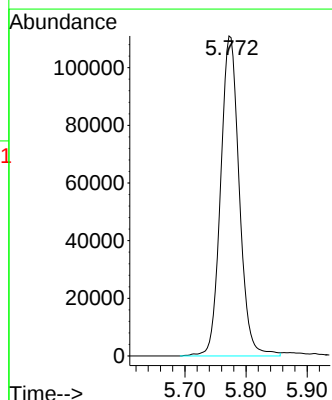
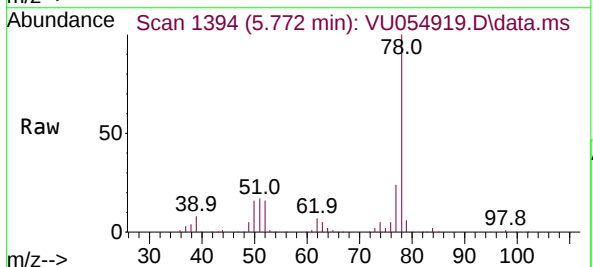
Instrument :
MSVOA_U
ClientSampleId :

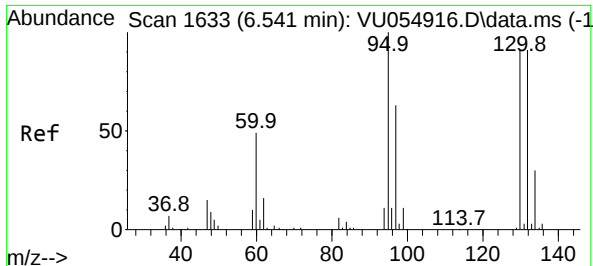
Tgt Ion:117 Resp: 82582
Ion Ratio Lower Upper
117 100
119 96.0 76.6 115.0



#33
Benzene
Concen: 5.102 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

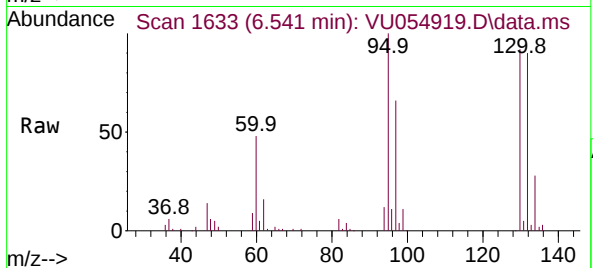
Tgt Ion: 78 Resp: 235287



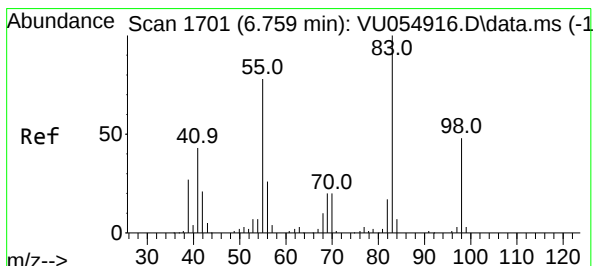
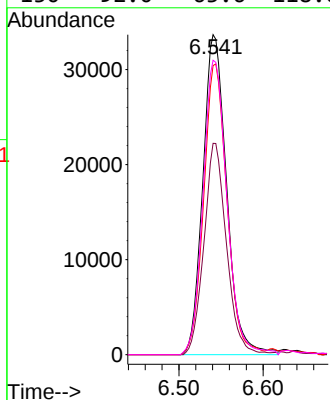
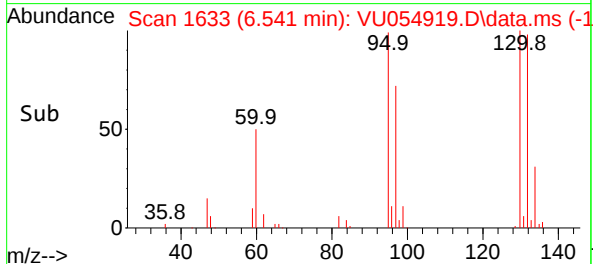


#34
Trichloroethene
Concen: 5.170 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

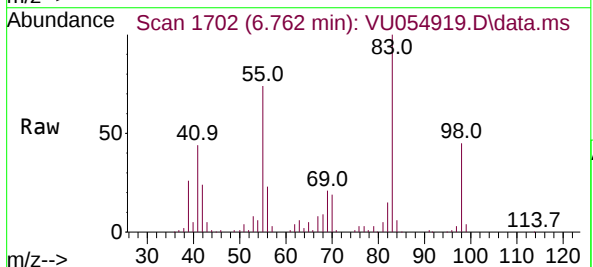
Instrument :
MSVOA_U
ClientSampleId :



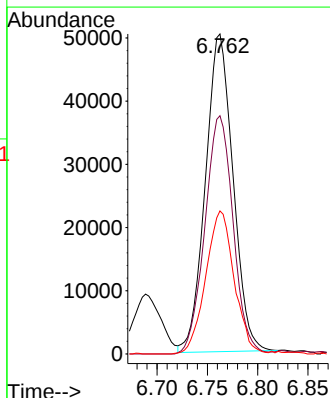
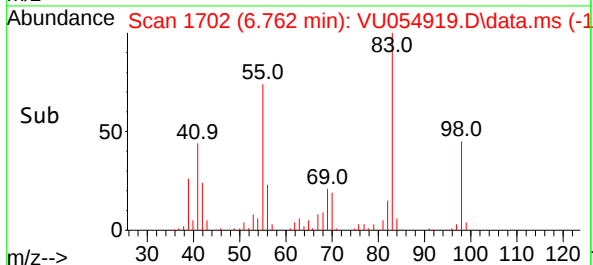
Tgt Ion: 95 Resp: 66077
Ion Ratio Lower Upper
95 100
97 66.1 44.1 81.9
132 90.3 63.6 118.2
130 92.0 63.6 118.0

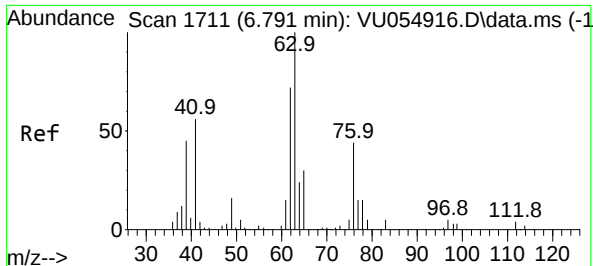


#35
Methylcyclohexane
Concen: 5.076 ug/L
RT: 6.762 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56



Tgt Ion: 83 Resp: 95991
Ion Ratio Lower Upper
83 100
55 76.7 62.1 93.1
98 46.3 37.8 56.6





#37

1,2-Dichloropropane

Concen: 5.017 ug/L

RT: 6.791 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

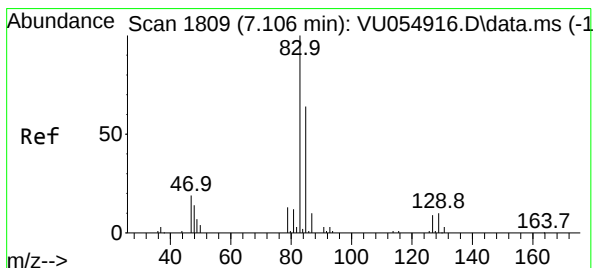
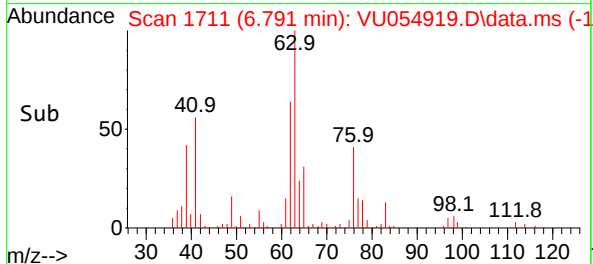
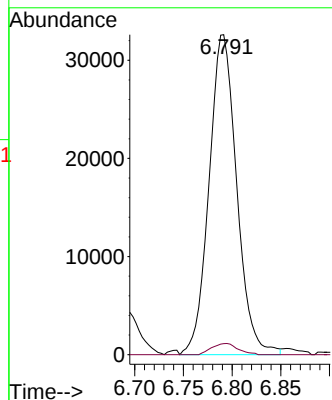
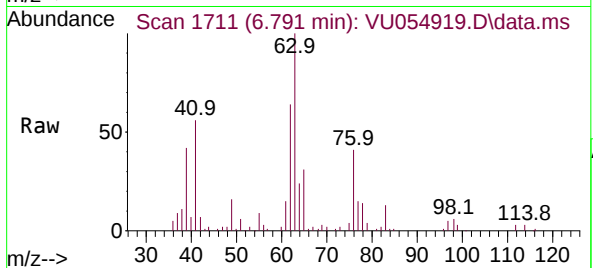
ClientSampleId :

Tgt Ion: 63 Resp: 64506

Ion Ratio Lower Upper

63 100

112 3.3 2.7 4.1



#38

Bromodichloromethane

Concen: 4.753 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.003 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

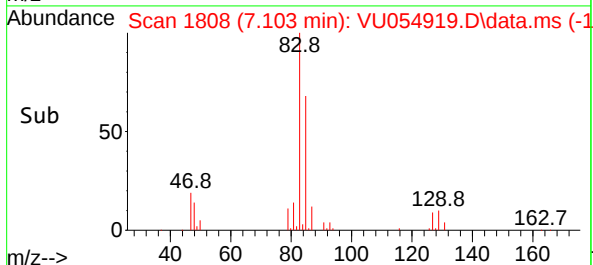
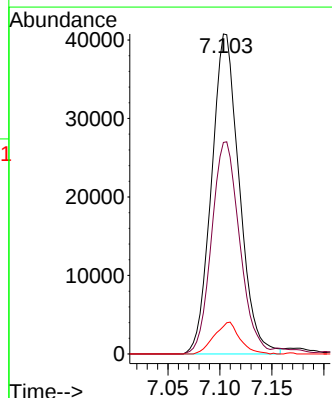
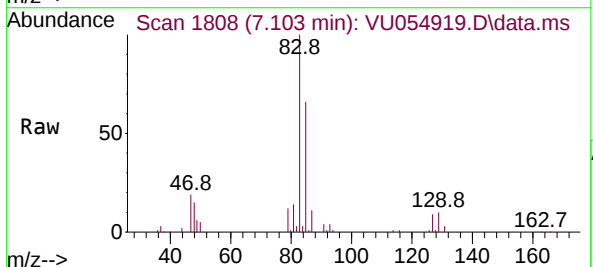
Tgt Ion: 83 Resp: 75802

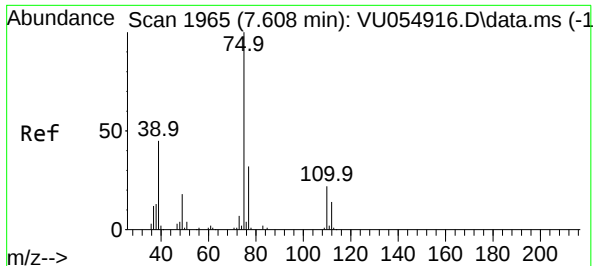
Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.7

127 8.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 7.608 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

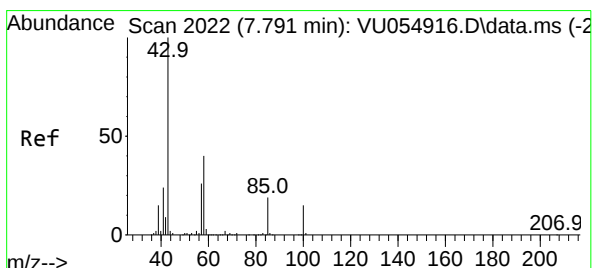
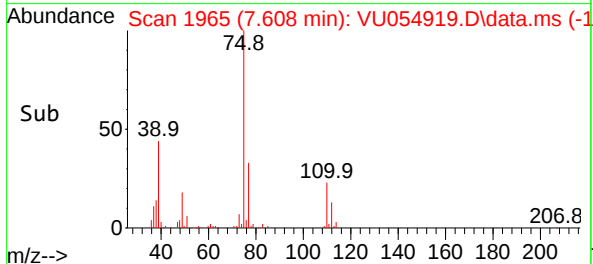
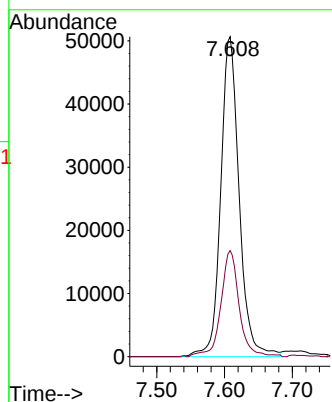
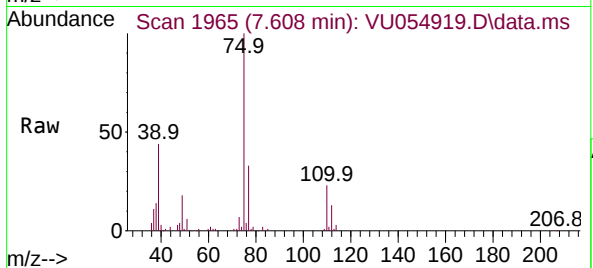
ClientSampleId :

Tgt Ion: 75 Resp: 95669

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 50.436 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

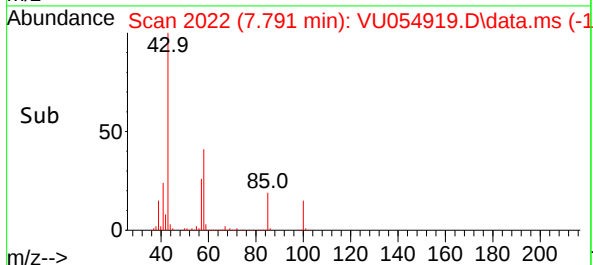
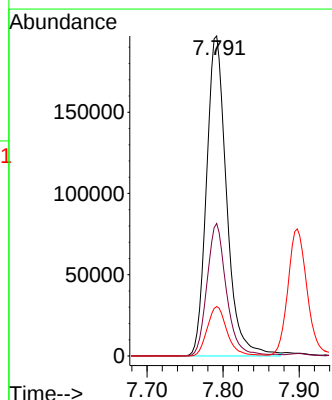
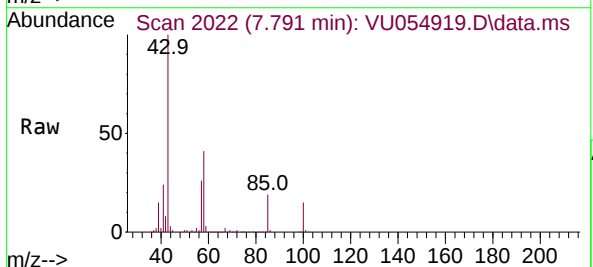
Tgt Ion: 43 Resp: 361498

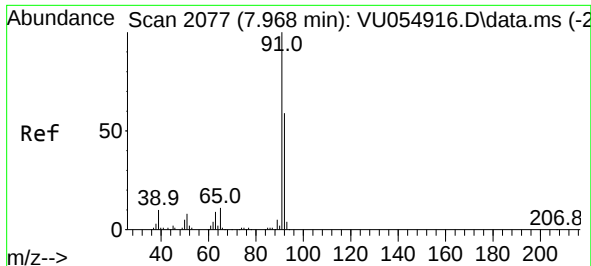
Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1

100 15.3 11.8 17.6





#42

Toluene

Concen: 4.989 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

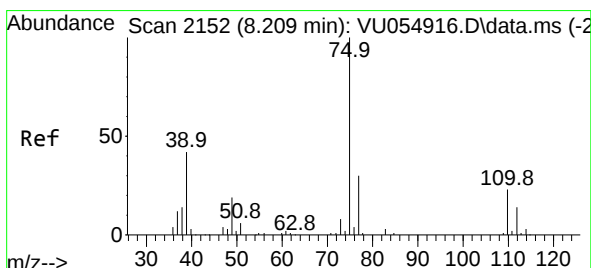
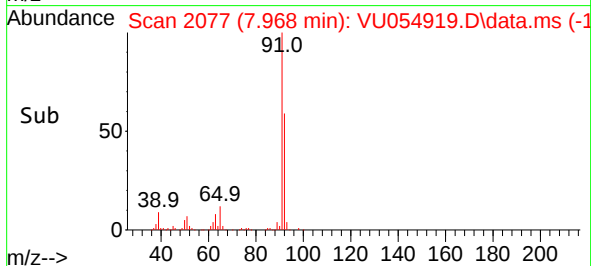
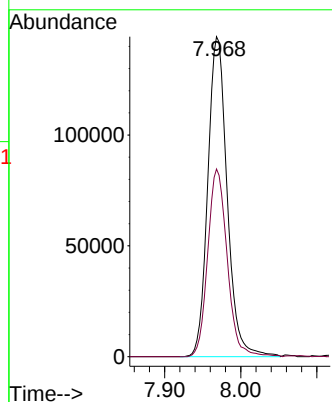
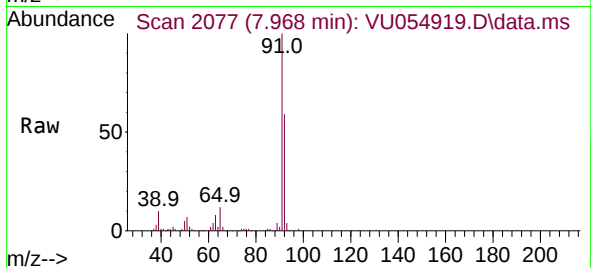
ClientSampleId :

Tgt Ion: 91 Resp: 255312

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 5.123 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU054919.D

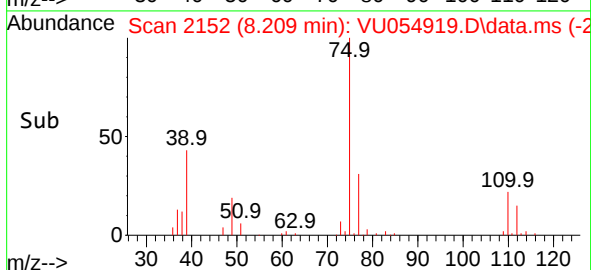
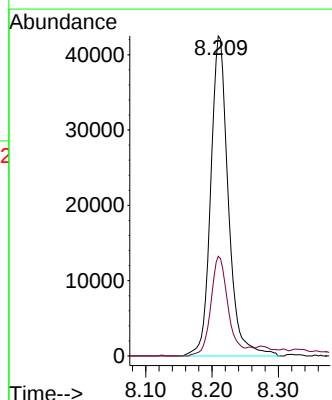
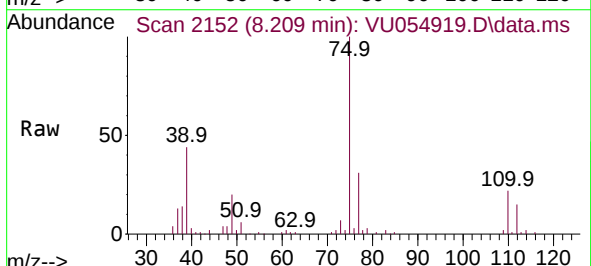
Acq: 28 Aug 2023 11:56

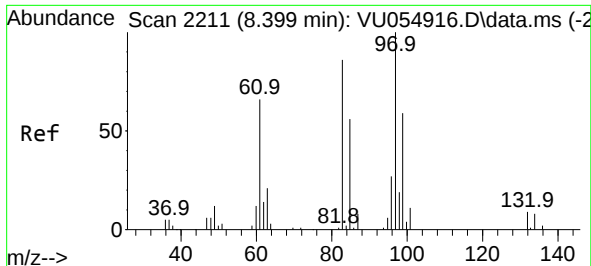
Tgt Ion: 75 Resp: 78376

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 5.269 ug/L

RT: 8.399 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 45720

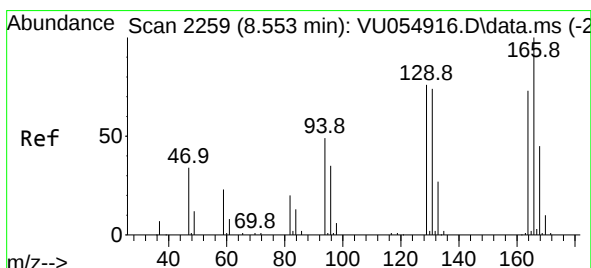
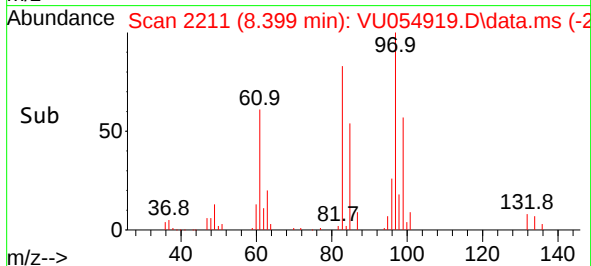
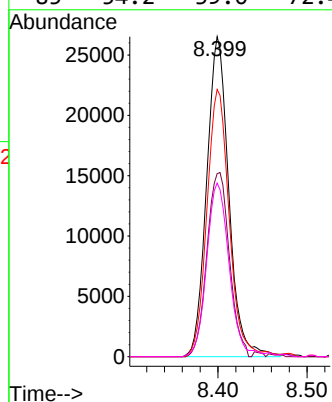
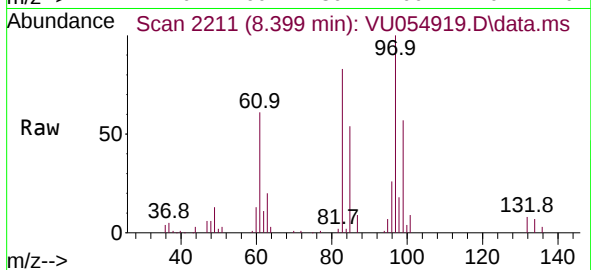
Ion Ratio Lower Upper

97 100

99 57.2 41.5 77.1

83 83.5 59.8 111.1

85 54.2 39.0 72.4



#47

Tetrachloroethene

Concen: 5.127 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Tgt Ion:164 Resp: 47086

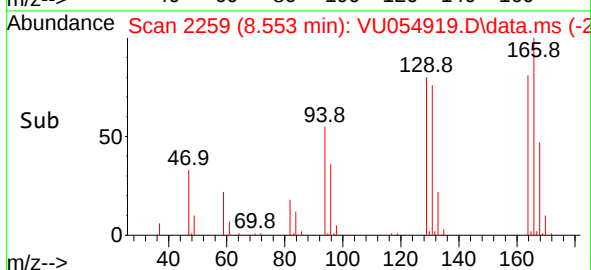
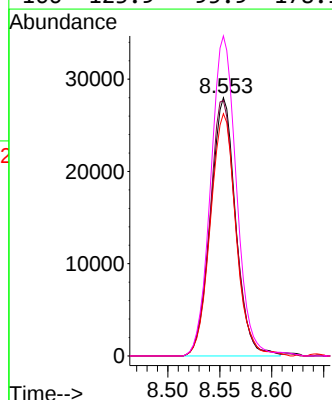
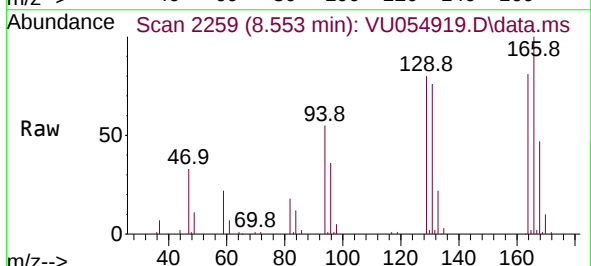
Ion Ratio Lower Upper

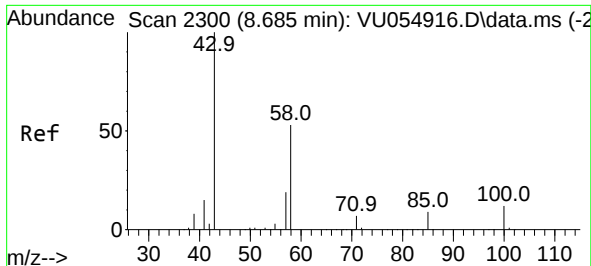
164 100

129 99.0 72.8 135.2

131 93.8 70.7 131.3

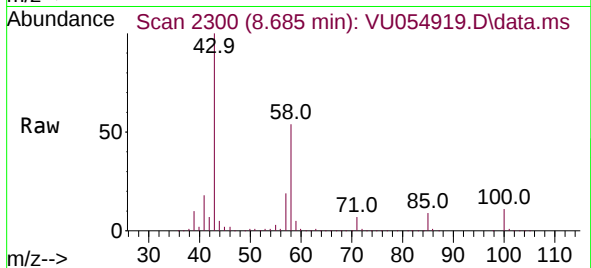
166 123.9 95.9 178.1



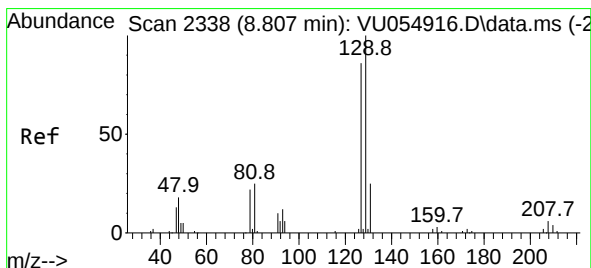
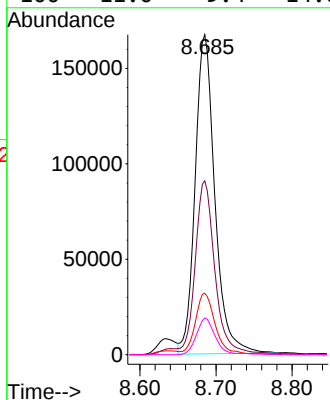
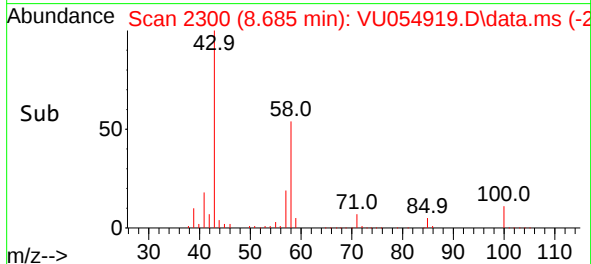


#48
2-Hexanone
Concen: 56.856 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Instrument :
MSVOA_U
ClientSampleId :

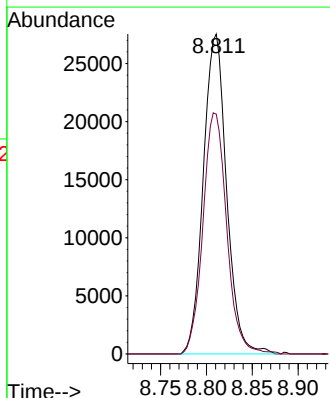
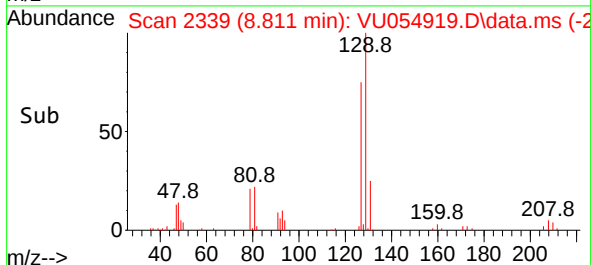
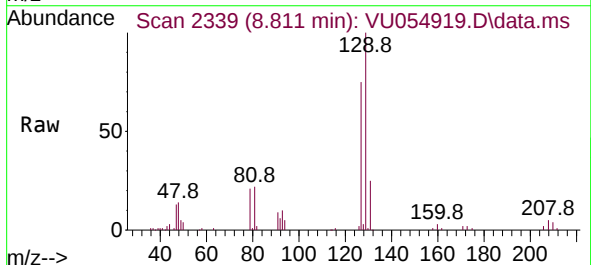


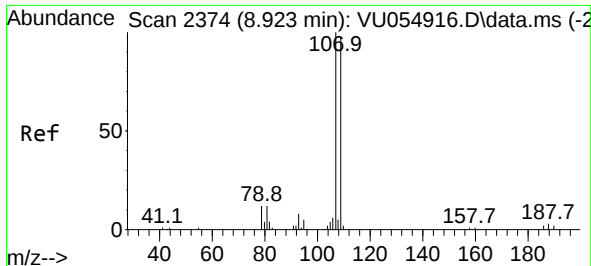
Tgt Ion: 43 Resp: 301792
Ion Ratio Lower Upper
43 100
58 54.9 44.0 66.0
57 18.6 15.9 23.9
100 11.0 9.4 14.0



#49
Dibromochloromethane
Concen: 4.844 ug/L
RT: 8.811 min Scan# 2339
Delta R.T. 0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion: 129 Resp: 48686
Ion Ratio Lower Upper
129 100
127 74.9 60.5 112.5

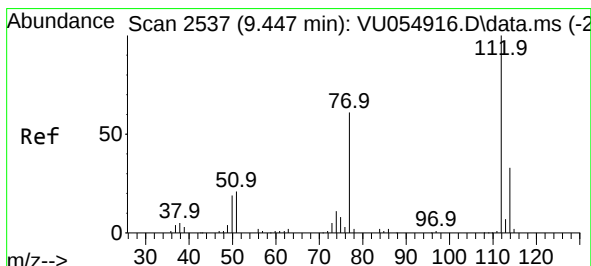
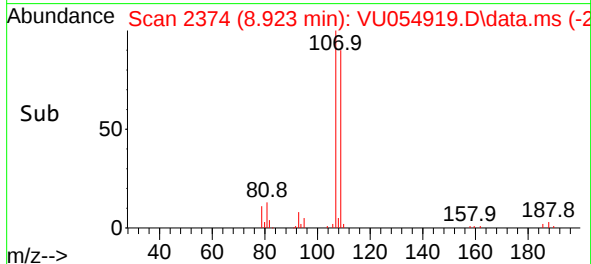
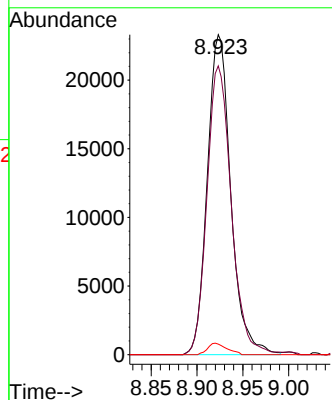
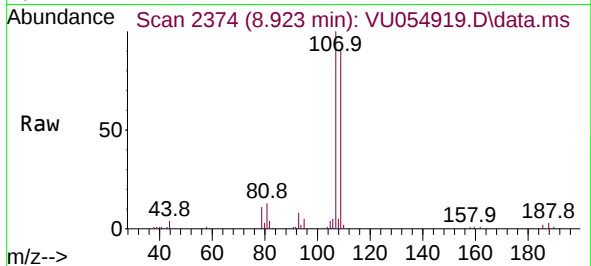




#50
1,2-Dibromoethane
Concen: 4.980 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

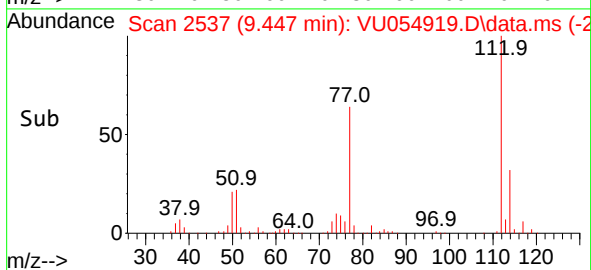
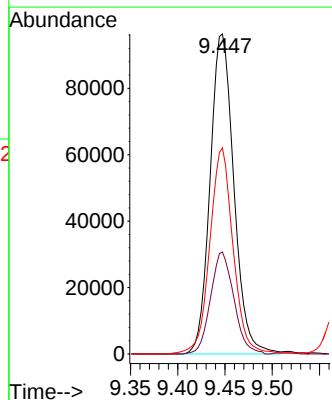
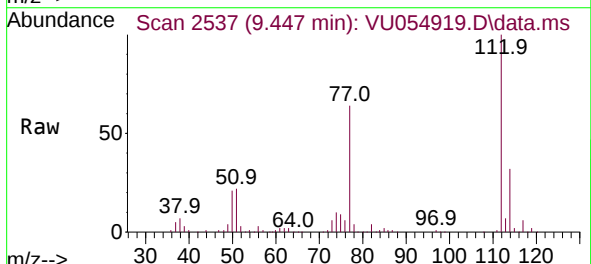
Instrument :
MSVOA_U
ClientSampleId :

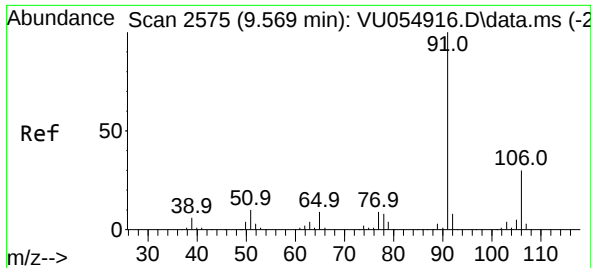
Tgt Ion:107 Resp: 41593
Ion Ratio Lower Upper
107 100
109 90.3 67.8 125.8
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 5.062 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion:112 Resp: 168609
Ion Ratio Lower Upper
112 100
114 31.9 23.4 43.4
77 64.4 49.3 73.9

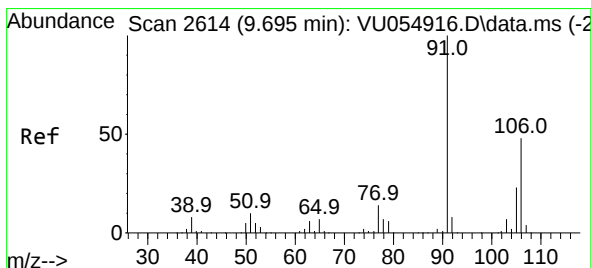
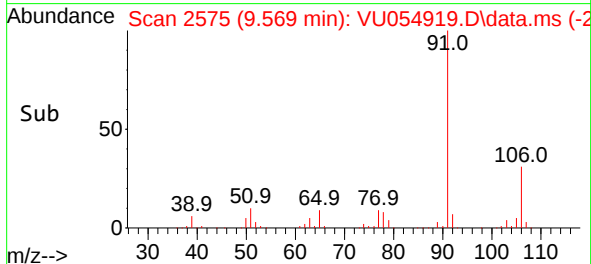
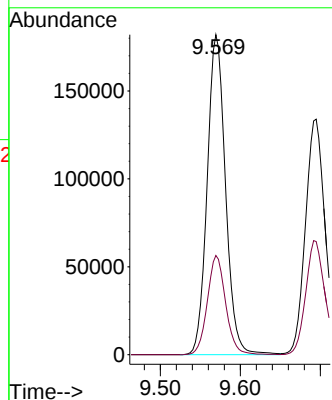
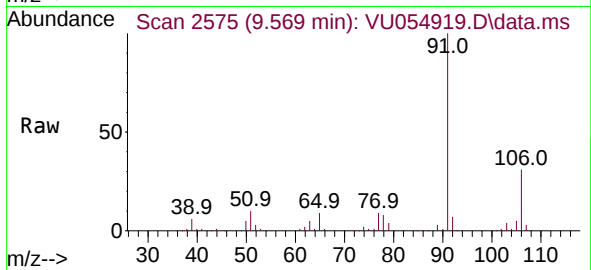




#52
Ethylbenzene
Concen: 5.037 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

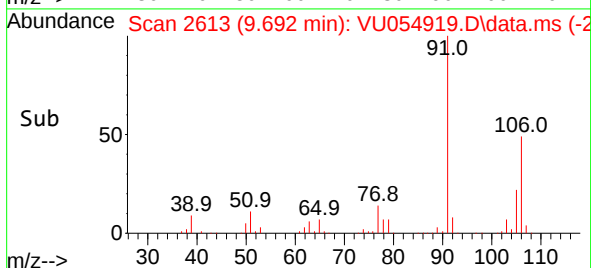
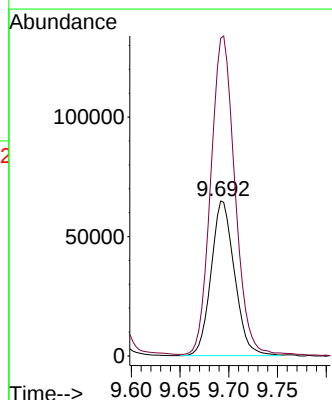
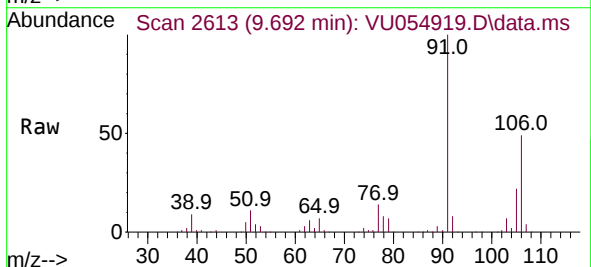
Instrument :
MSVOA_U
ClientSampleId :

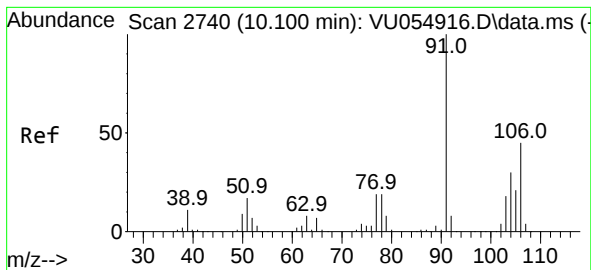
Tgt Ion: 91 Resp: 290712
Ion Ratio Lower Upper
91 100
106 31.0 21.2 39.4



#53
m,p-Xylene
Concen: 5.010 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.003 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion:106 Resp: 108369
Ion Ratio Lower Upper
106 100
91 204.9 147.7 274.3





#54

o-Xylene

Concen: 5.215 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

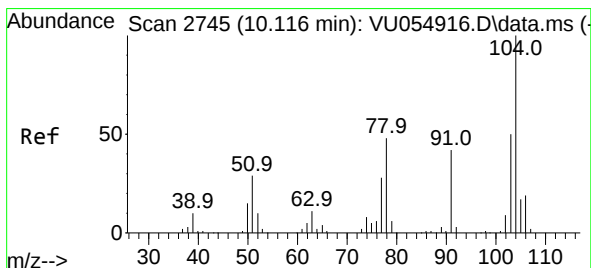
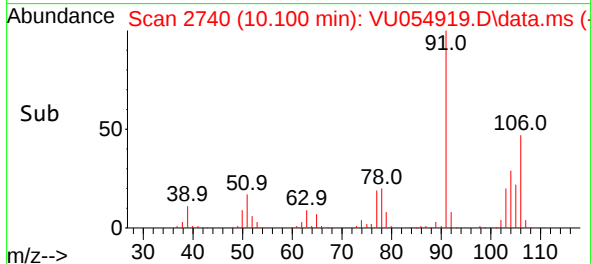
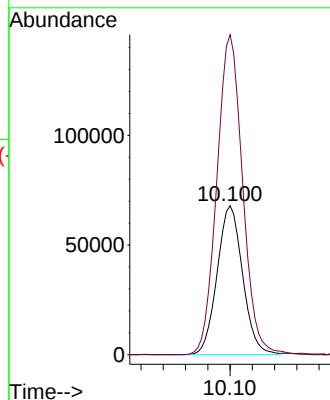
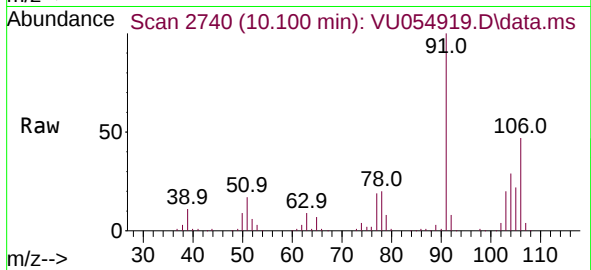
ClientSampleId :

Tgt Ion:106 Resp: 108147

Ion Ratio Lower Upper

106 100

91 214.8 154.2 286.4



#55

Styrene

Concen: 5.287 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.000 min

Lab File: VU054919.D

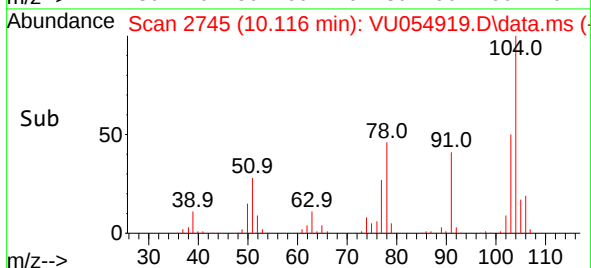
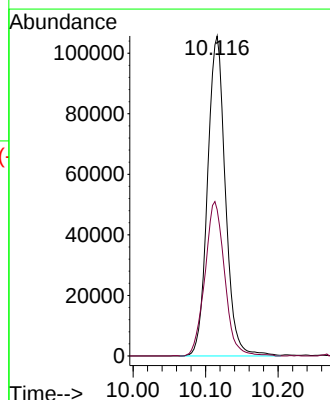
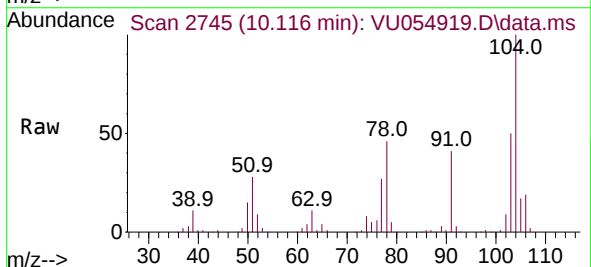
Acq: 28 Aug 2023 11:56

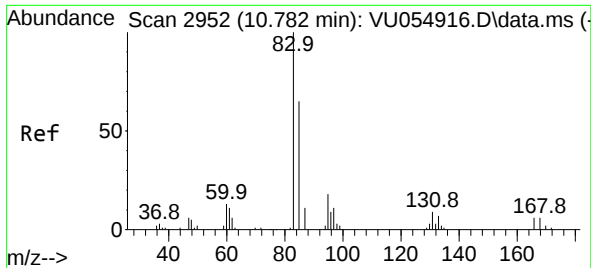
Tgt Ion:104 Resp: 180736

Ion Ratio Lower Upper

104 100

78 45.7 33.7 62.7

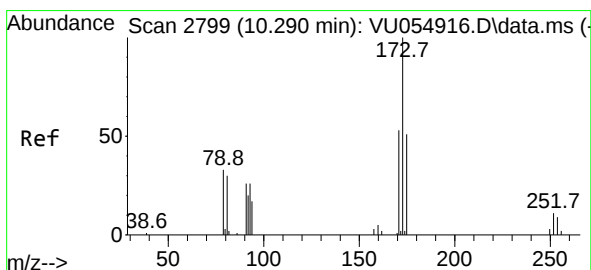
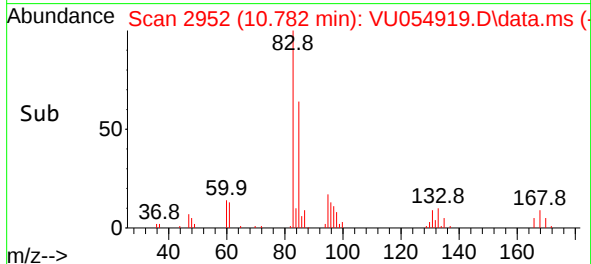
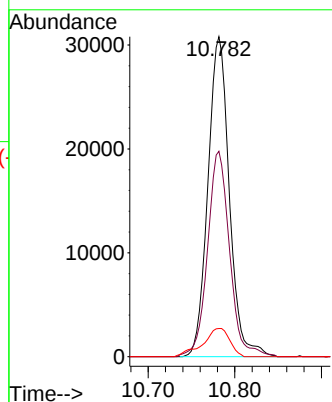
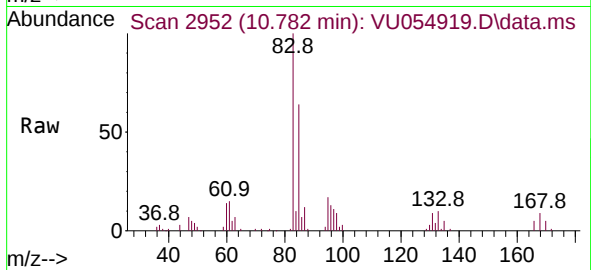




#57
1,1,2,2-Tetrachloroethane
Concen: 4.932 ug/L
RT: 10.782 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

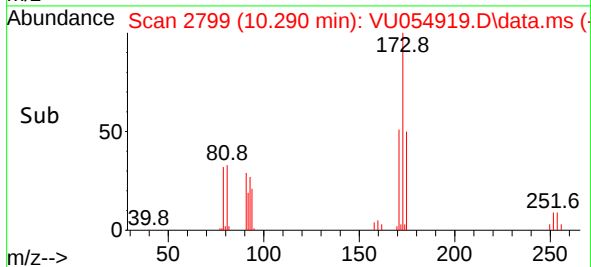
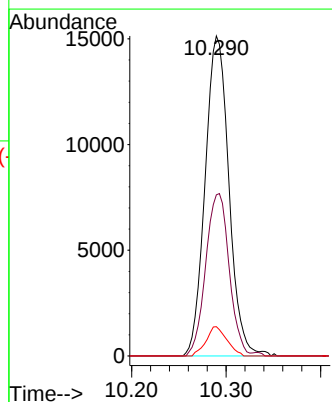
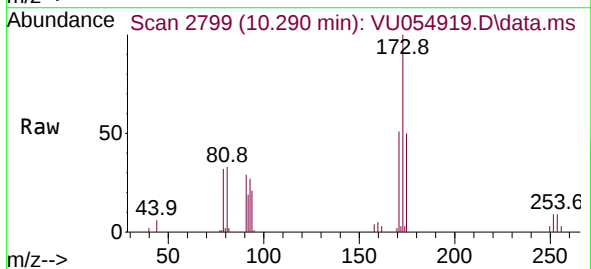
Instrument :
MSVOA_U
ClientSampleId :

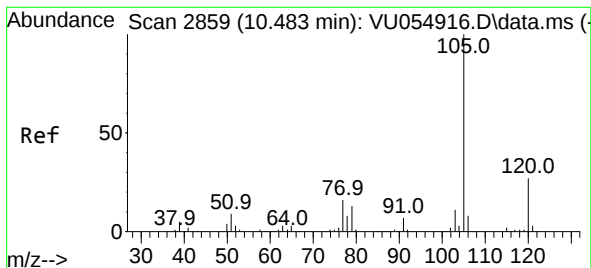
Tgt Ion: 83 Resp: 52946
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.5
131 8.8 7.7 11.5



#59
Bromoform
Concen: 4.856 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

Tgt Ion:173 Resp: 26463
Ion Ratio Lower Upper
173 100
175 50.1 40.8 61.2
254 8.0 6.8 10.2





#60

Isopropylbenzene

Concen: 5.075 ug/L

RT: 10.483 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

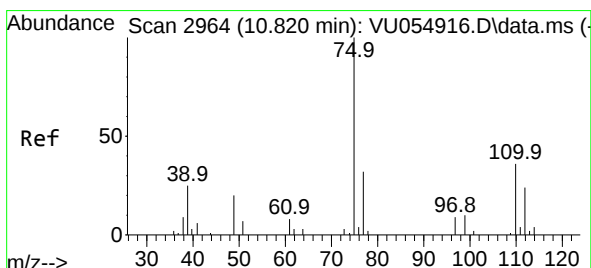
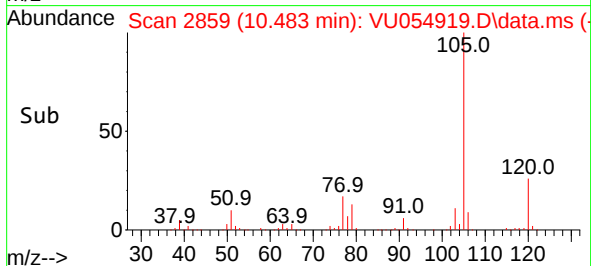
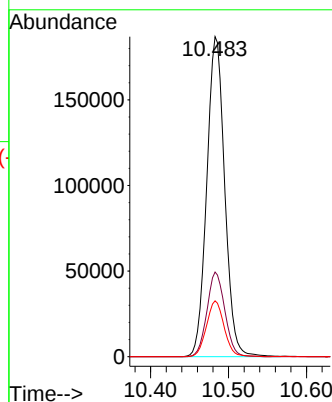
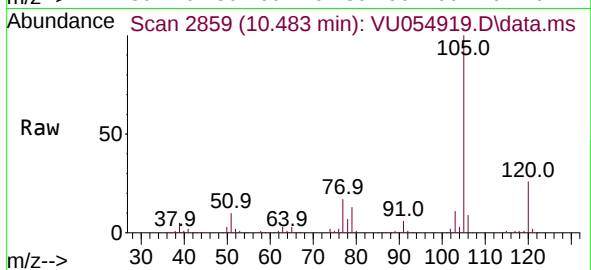
Tgt Ion:105 Resp: 298852

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

77 17.2 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.053 ug/L

RT: 10.823 min Scan# 2965

Delta R.T. 0.003 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

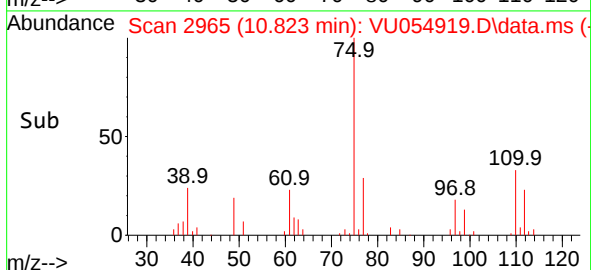
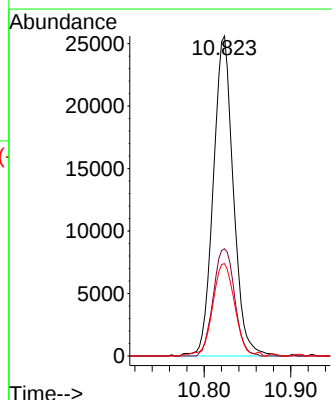
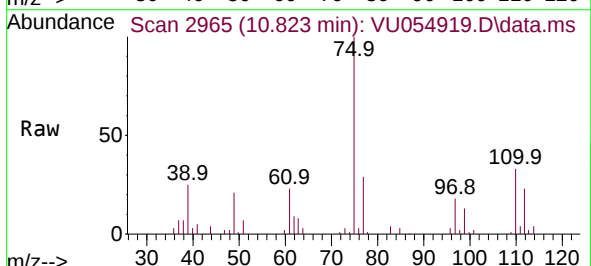
Tgt Ion: 75 Resp: 41270

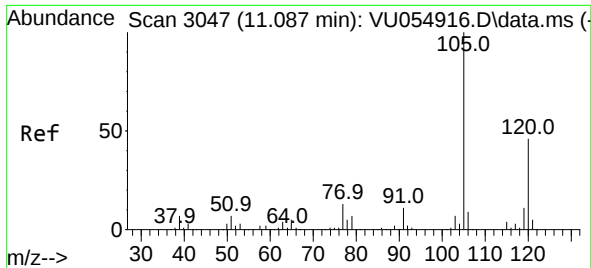
Ion Ratio Lower Upper

75 100

110 35.5 29.0 43.6

77 31.5 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 5.135 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

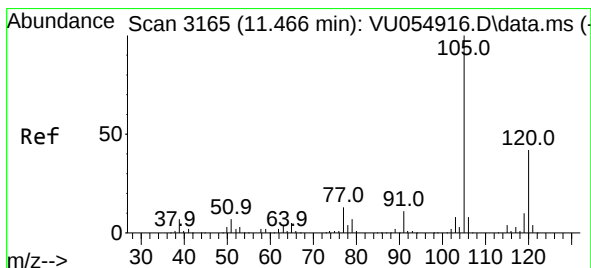
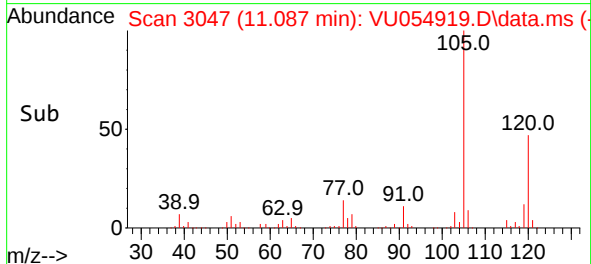
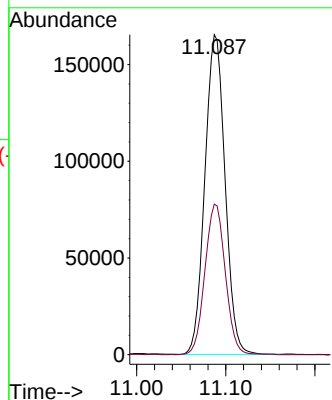
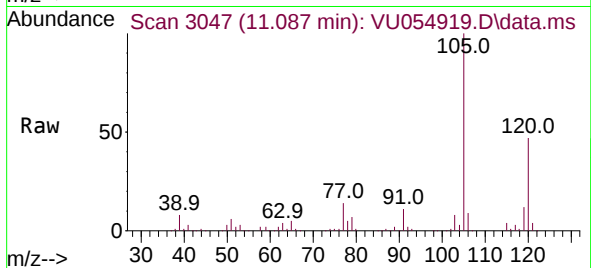
ClientSampleId :

Tgt Ion:105 Resp: 259515

Ion Ratio Lower Upper

105 100

120 47.6 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 5.289 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VU054919.D

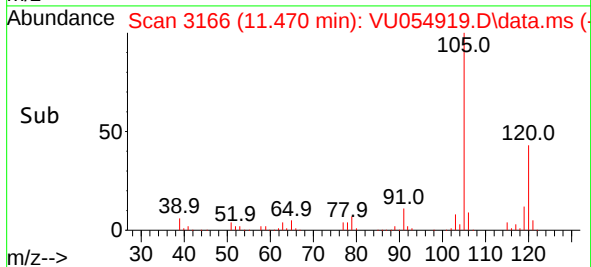
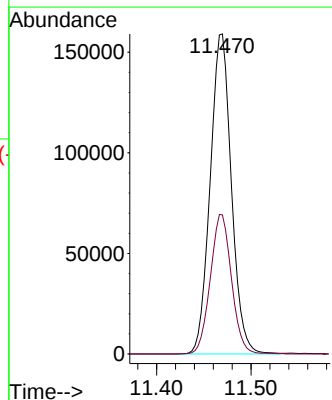
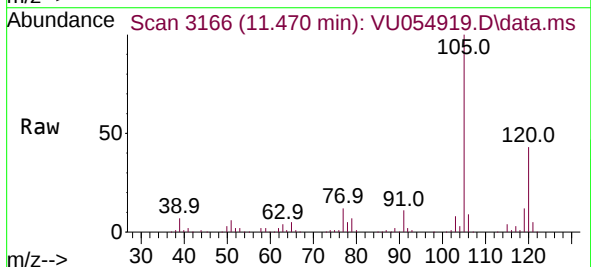
Acq: 28 Aug 2023 11:56

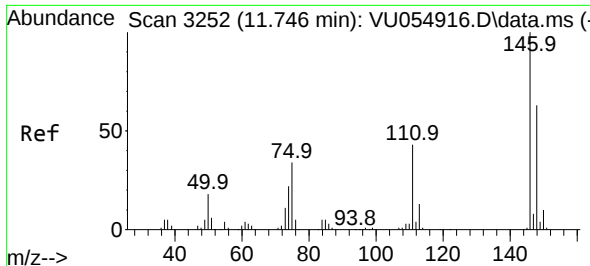
Tgt Ion:105 Resp: 248012

Ion Ratio Lower Upper

105 100

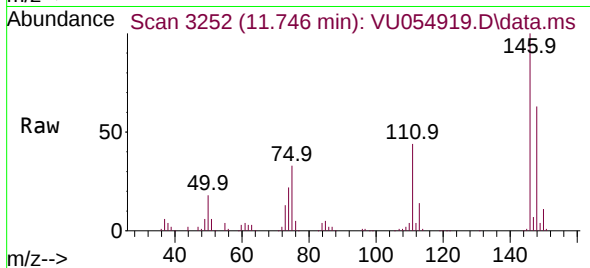
120 43.6 34.3 51.5



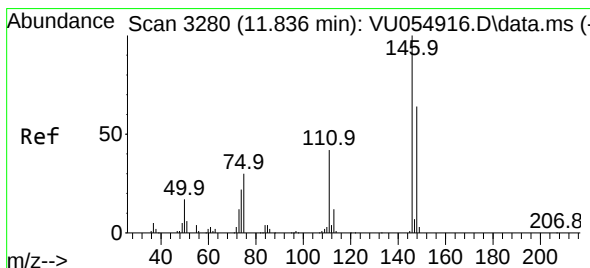
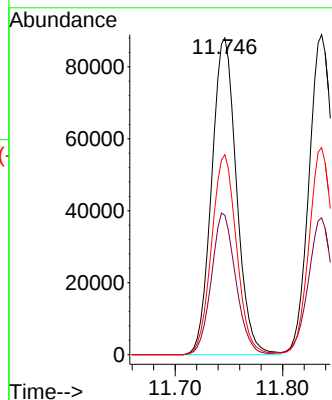
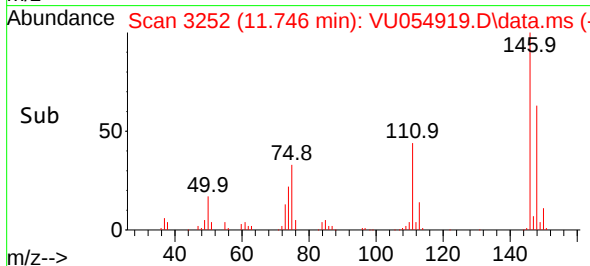


#64
1,3-Dichlorobenzene
Concen: 5.163 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56

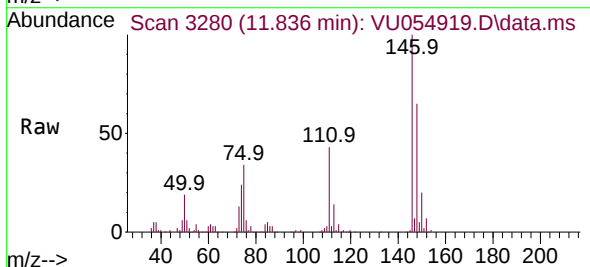
Instrument :
MSVOA_U
ClientSampleId :



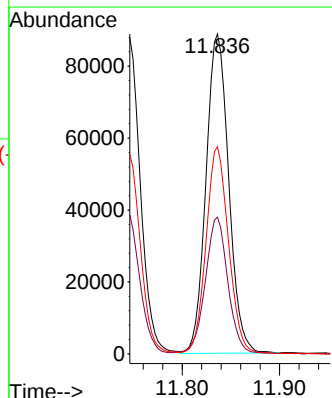
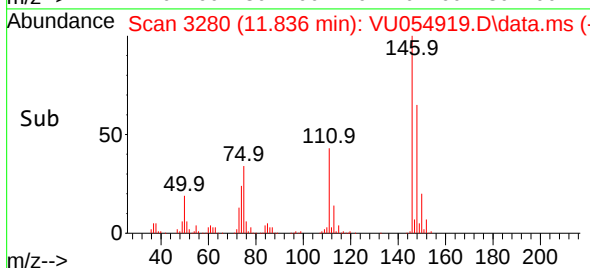
Tgt Ion:146 Resp: 141458
Ion Ratio Lower Upper
146 100
111 44.0 30.4 56.4
148 63.1 44.4 82.4

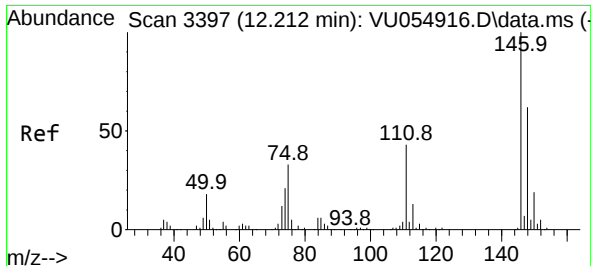


#65
1,4-Dichlorobenzene
Concen: 5.242 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU054919.D
Acq: 28 Aug 2023 11:56



Tgt Ion:146 Resp: 143683
Ion Ratio Lower Upper
146 100
111 42.8 29.9 55.5
148 64.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.192 ug/L

RT: 12.212 min Scan# 3397

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

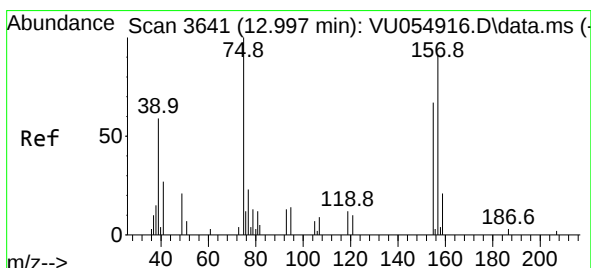
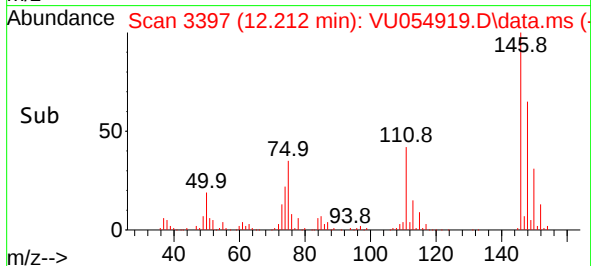
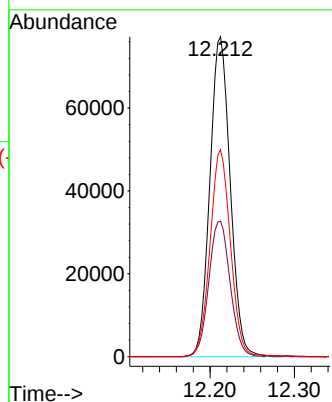
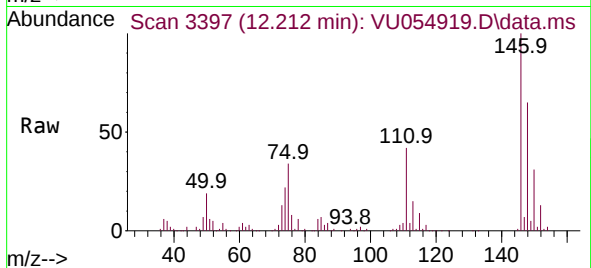
Tgt Ion:146 Resp: 129653

Ion Ratio Lower Upper

146 100

111 42.3 34.9 52.3

148 64.8 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.266 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

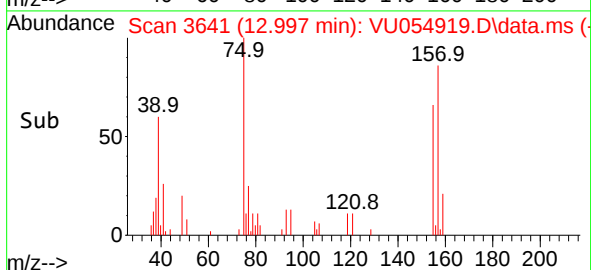
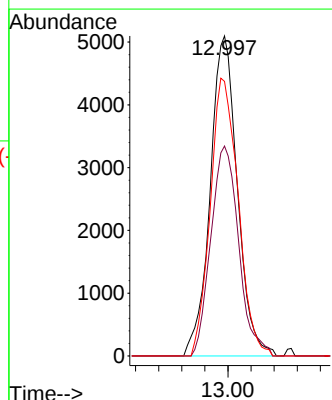
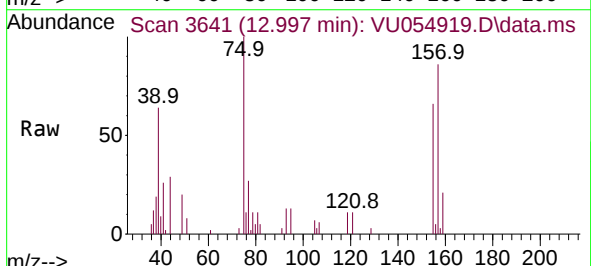
Tgt Ion: 75 Resp: 8333

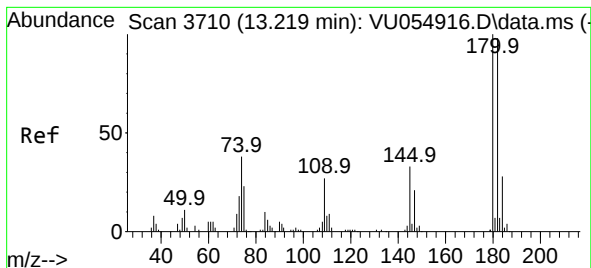
Ion Ratio Lower Upper

75 100

155 65.6 53.3 79.9

157 85.8 69.5 104.3





#69

1,3,5-Trichlorobenzene

Concen: 5.821 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 106337

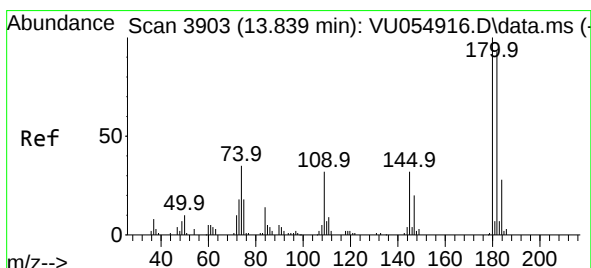
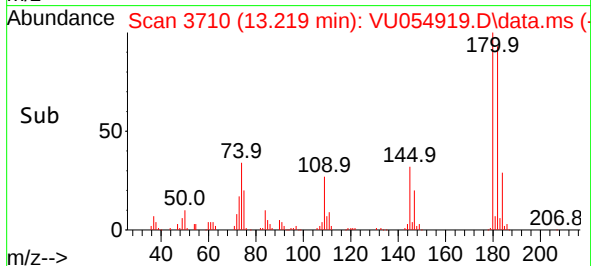
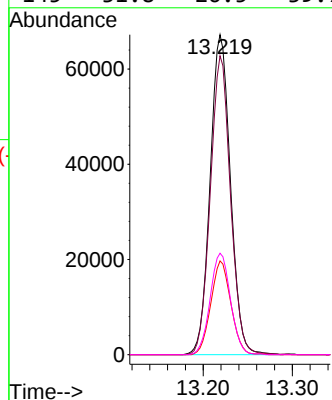
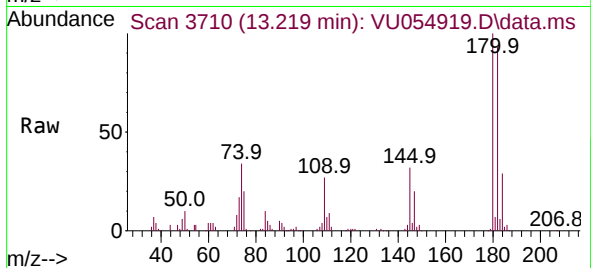
Ion Ratio Lower Upper

180 100

182 92.7 76.6 114.8

184 28.9 23.6 35.4

145 31.8 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 6.410 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

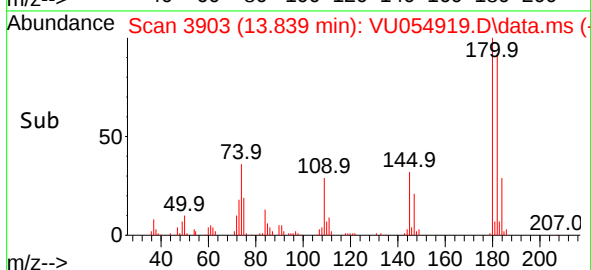
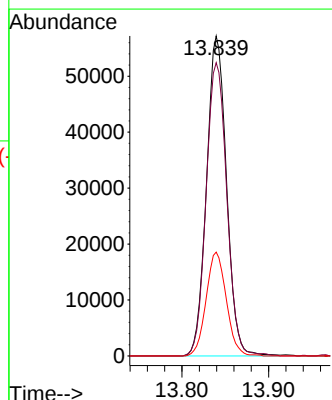
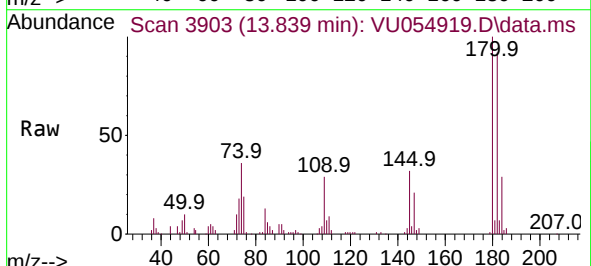
Tgt Ion:180 Resp: 91707

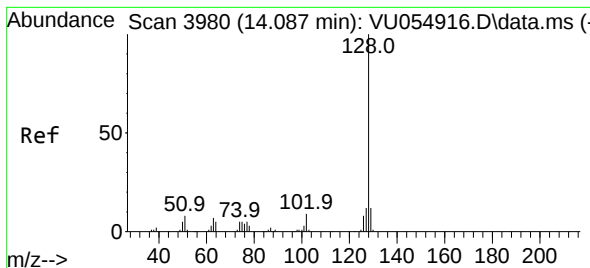
Ion Ratio Lower Upper

180 100

182 94.8 74.9 112.3

145 32.8 25.8 38.8





#71

Naphthalene

Concen: 8.196 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

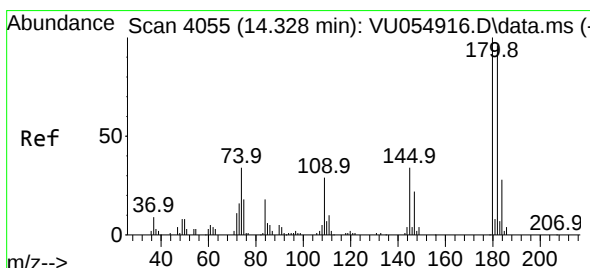
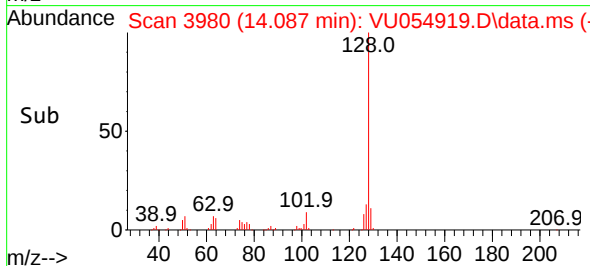
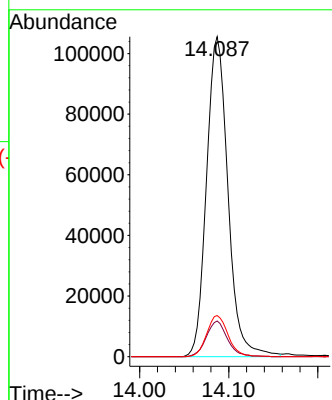
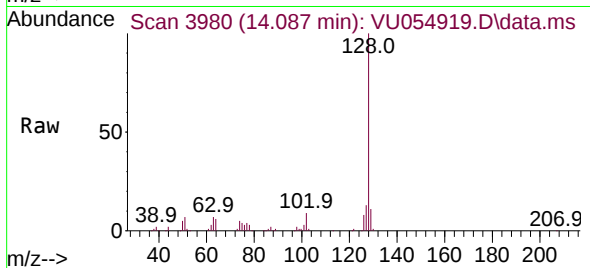
Tgt Ion:128 Resp: 176411

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 12.8 9.3 13.9



#72

1,2,3-Trichlorobenzene

Concen: 6.817 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU054919.D

Acq: 28 Aug 2023 11:56

Tgt Ion:180 Resp: 80816

Ion Ratio Lower Upper

180 100

182 92.7 77.7 116.5

145 33.9 28.1 42.1

