

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054971.D
 Acq On : 29 Aug 2023 21:07
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 22:33:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 22:22:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	189564	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	180878	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	101869	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26310	4.398	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.907	69	34835	4.507	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.563	65	15365	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.628	46	180149	55.781	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	5.062	84	102711	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.701	65	56643	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.724	84	187702	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.689	67	65997	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.898	98	176523	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.180	79	21079	4.479	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.634	63	128153	57.374	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.740%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62174	5.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	73411	4.513	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	56136	4.779	ug/L	100
3) Chloromethane	1.518	50	60282	4.919	ug/L	96
5) Vinyl chloride	1.599	62	63130	4.962	ug/L	99
6) Bromomethane	1.853	94	33274	4.191	ug/L	96
8) Chloroethane	1.930	64	40968	4.897	ug/L	98
9) Trichlorofluoromethane	2.132	101	88742	4.902	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	49477	5.030	ug/L	95
12) 1,1-Dichloroethene	2.576	96	43171	5.043	ug/L	91
13) Acetone	2.637	43	93960	53.824	ug/L	97
14) Carbon disulfide	2.788	76	111421	4.700	ug/L	97
15) Methyl Acetate	2.952	43	19361	5.418	ug/L	96
16) Methylene chloride	3.042	84	54520	4.146	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	130813	5.251	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	46663	4.989	ug/L	91
19) 1,1-Dichloroethane	3.869	63	98221	5.006	ug/L	99
21) 2-Butanone	4.711	43	148894	55.662	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	56273	5.046	ug/L	91
23) Bromochloromethane	4.975	128	24302	5.036	ug/L	90
25) Chloroform	5.084	83	106232	4.936	ug/L	99

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

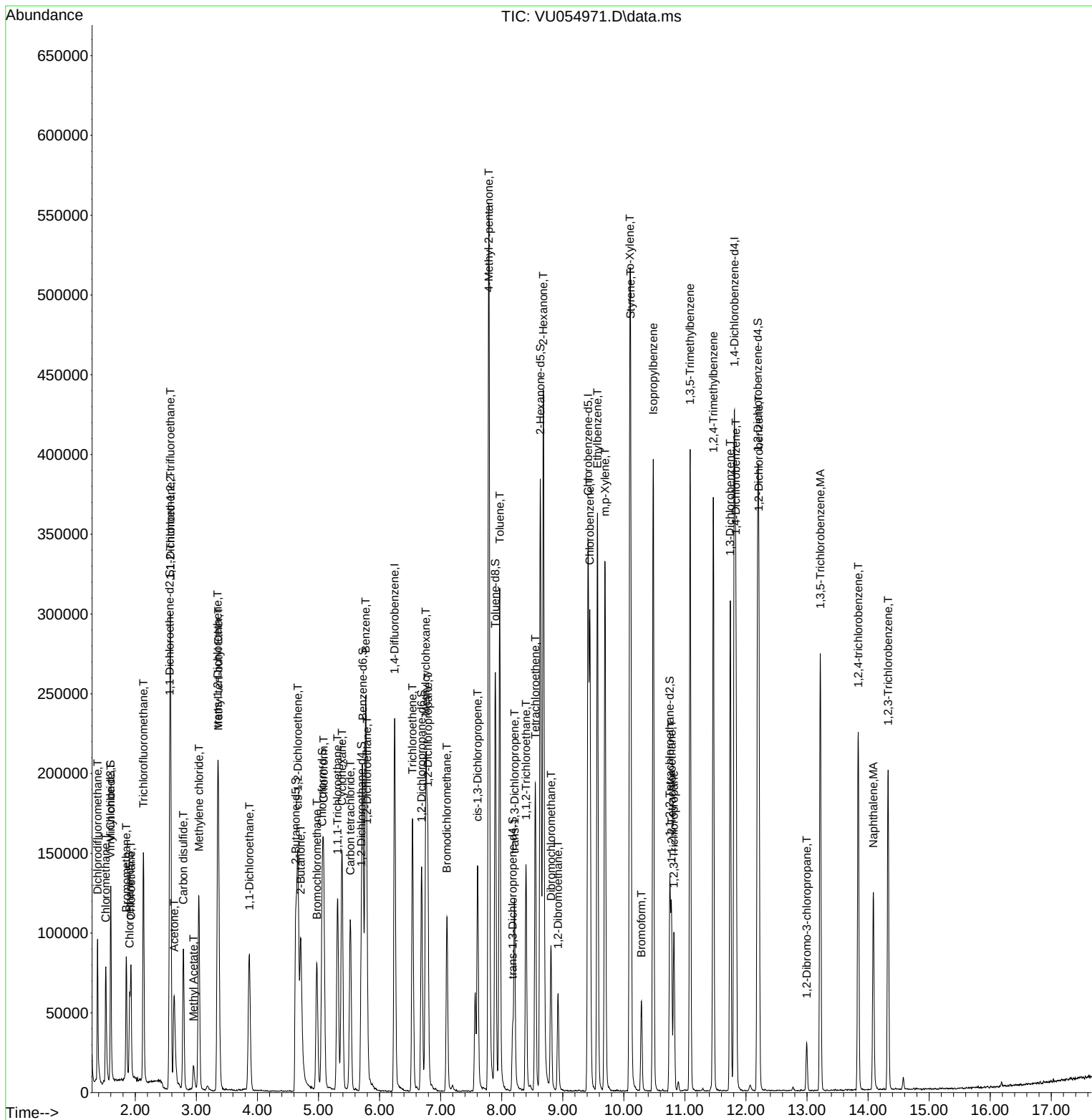
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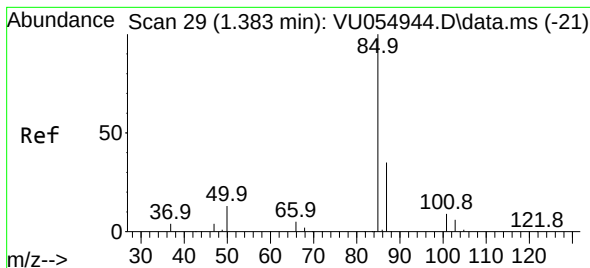
Quant Time: Aug 29 22:33:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 22:22:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	66638	5.068	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	85777	4.771	ug/L	99
30) Cyclohexane	5.386	56	76345	4.790	ug/L	96
31) Carbon tetrachloride	5.521	117	71305	4.661	ug/L	100
33) Benzene	5.772	78	211495	4.957	ug/L	100
34) Trichloroethene	6.541	95	57000	4.820	ug/L	97
35) Methylcyclohexane	6.759	83	77567	4.433	ug/L	99
37) 1,2-Dichloropropane	6.791	63	56823	4.777	ug/L	100
38) Bromodichloromethane	7.103	83	70515	4.779	ug/L	98
39) cis-1,3-Dichloropropene	7.608	75	82810	4.831	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	372279	56.138	ug/L	98
42) Toluene	7.968	91	228642	4.829	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	67537	4.771	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	42512	5.295	ug/L	98
47) Tetrachloroethene	8.553	164	40239	4.735	ug/L	95
48) 2-Hexanone	8.682	43	283343	57.695	ug/L	97
49) Dibromochloromethane	8.807	129	44171	4.750	ug/L	96
50) 1,2-Dibromoethane	8.923	107	38334	4.960	ug/L	100
51) Chlorobenzene	9.444	112	147781	4.795	ug/L	97
52) Ethylbenzene	9.569	91	254929	4.774	ug/L	99
53) m,p-Xylene	9.692	106	93832	4.689	ug/L	98
54) o-Xylene	10.100	106	94027	4.901	ug/L	100
55) Styrene	10.113	104	157470	4.979	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	54306	5.468	ug/L	98
59) Bromoform	10.287	173	23475	4.639	ug/L	94
60) Isopropylbenzene	10.483	105	255136	4.666	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40473	5.336	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	214442	4.569	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	205590	4.722	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	116489	4.578	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	116686	4.584	ug/L	97
67) 1,2-Dichlorobenzene	12.212	146	111361	4.802	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	7575	5.154	ug/L	91
69) 1,3,5-Trichlorobenzene	13.219	180	81796	4.822	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	62536	4.707	ug/L	99
71) Naphthalene	14.087	128	99416	4.974	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	55499	5.041	ug/L	99

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

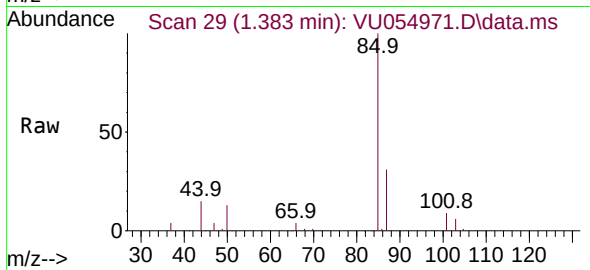
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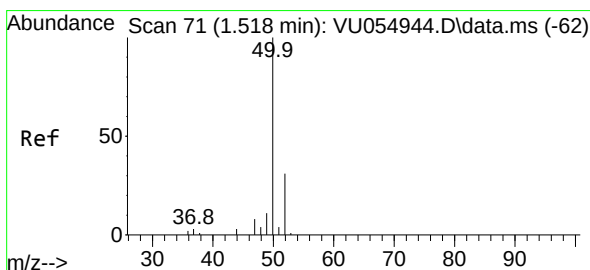
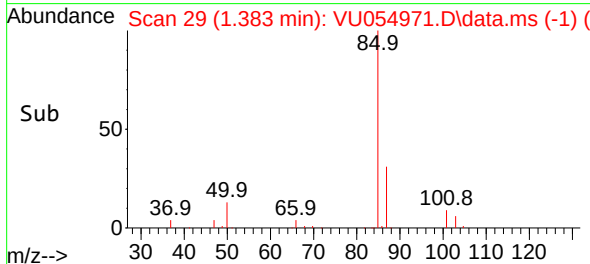
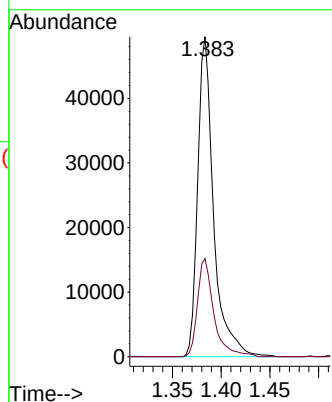


#2
 Dichlorodifluoromethane
 Concen: 4.779 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054971.D
 Acq: 29 Aug 2023 21:07

Instrument :
 MSVOA_U
 ClientSampleId :

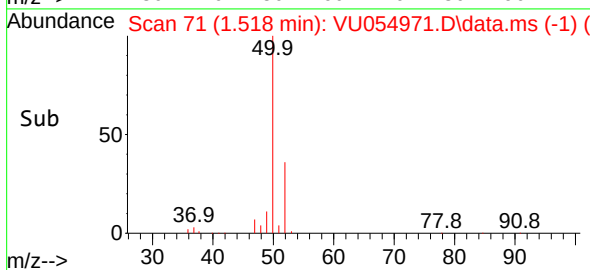
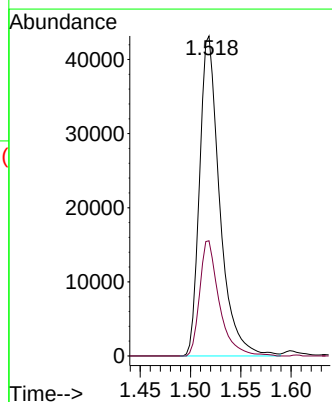
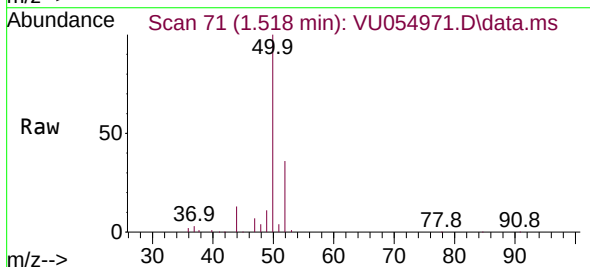


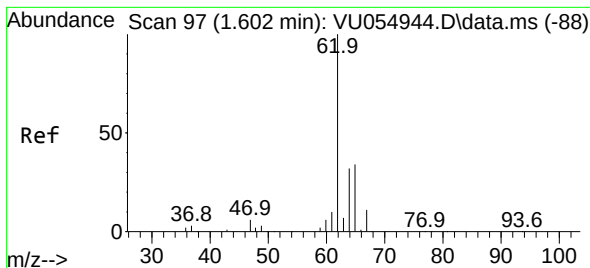
Tgt Ion: 85 Resp: 56136
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.4 38.0



#3
 Chloromethane
 Concen: 4.919 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054971.D
 Acq: 29 Aug 2023 21:07

Tgt Ion: 50 Resp: 60282
 Ion Ratio Lower Upper
 50 100
 52 36.0 23.4 43.6





#5

Vinyl chloride

Concen: 4.962 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

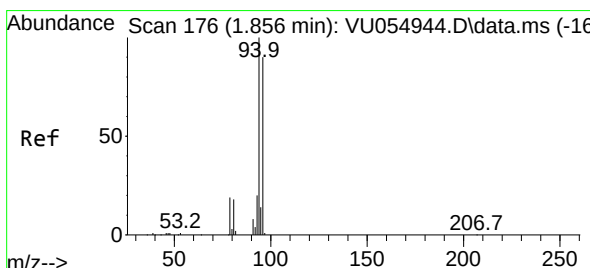
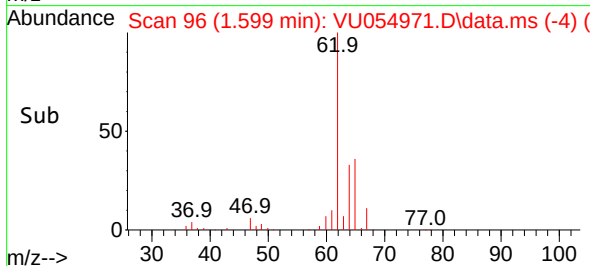
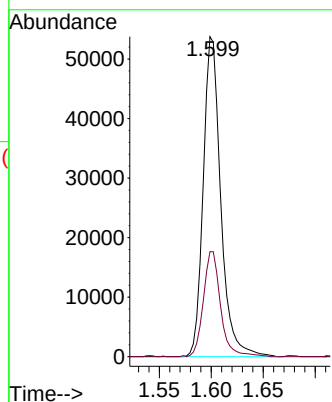
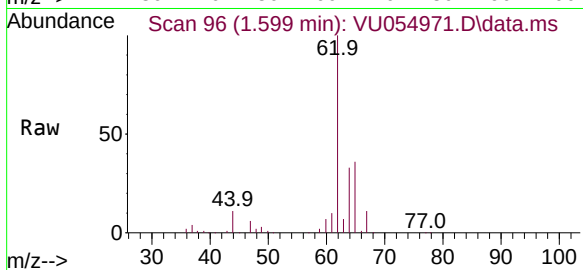
ClientSampleId :

Tgt Ion: 62 Resp: 63130

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.1



#6

Bromomethane

Concen: 4.191 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU054971.D

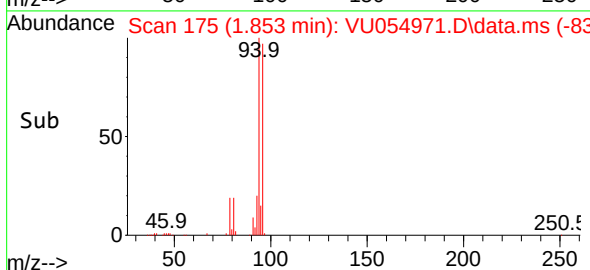
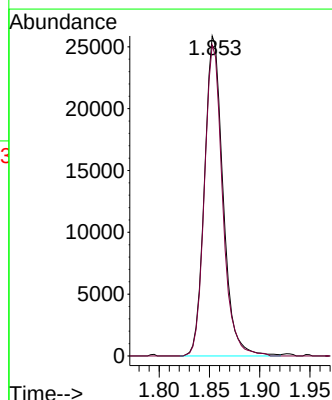
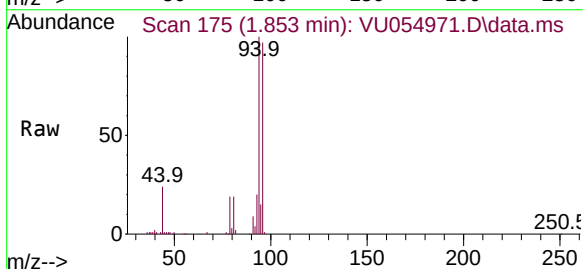
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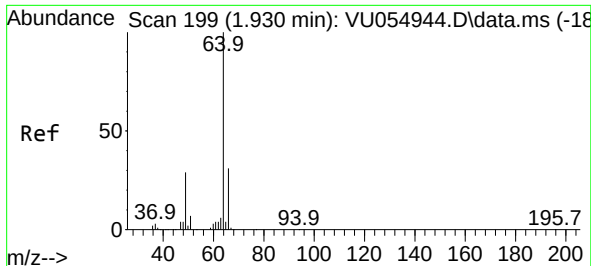
Tgt Ion: 94 Resp: 33274

Ion Ratio Lower Upper

94 100

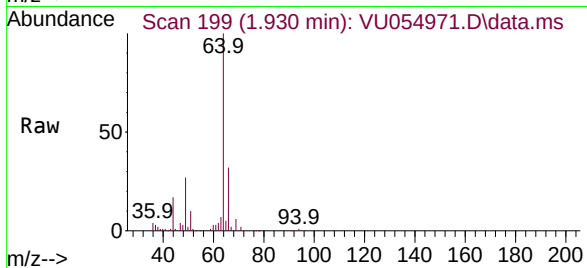
96 97.2 65.5 121.7



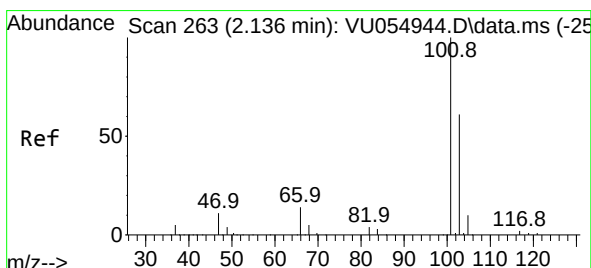
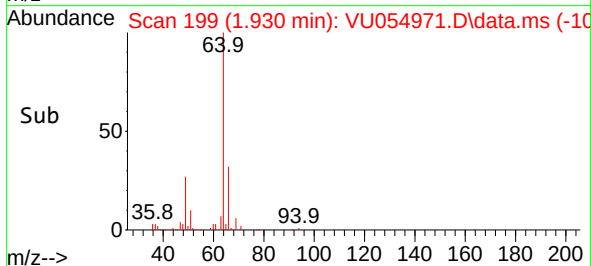
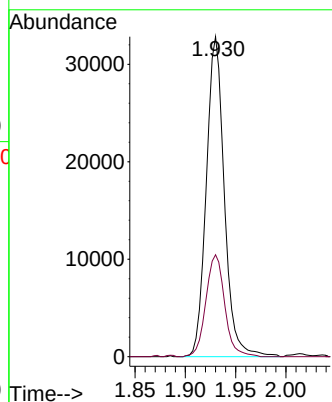


#8
Chloroethane
Concen: 4.897 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Instrument :
MSVOA_U
ClientSampleId :

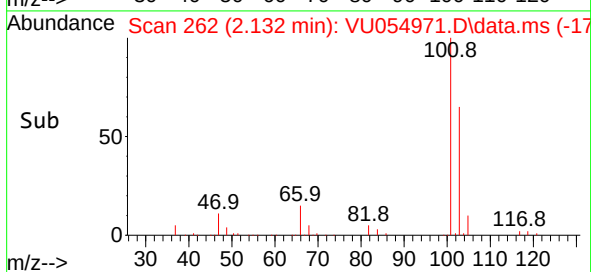
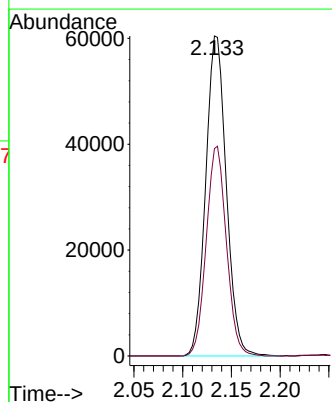
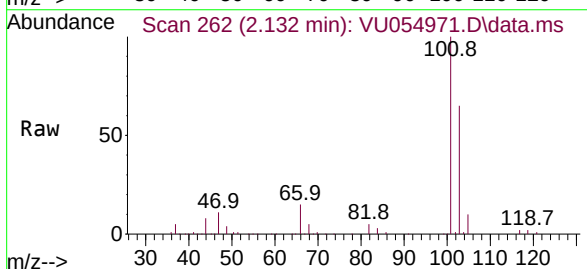


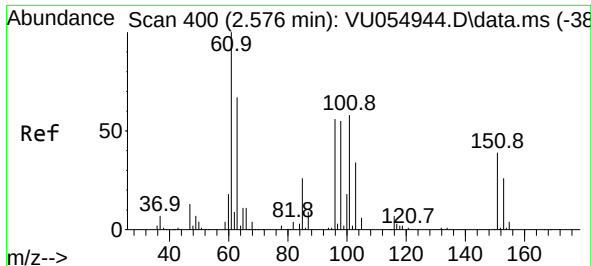
Tgt Ion: 64 Resp: 40968
Ion Ratio Lower Upper
64 100
66 31.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.902 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion: 101 Resp: 88742
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.4

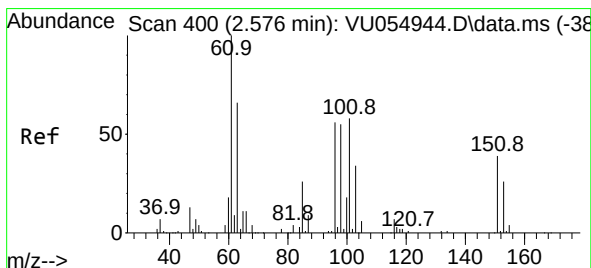
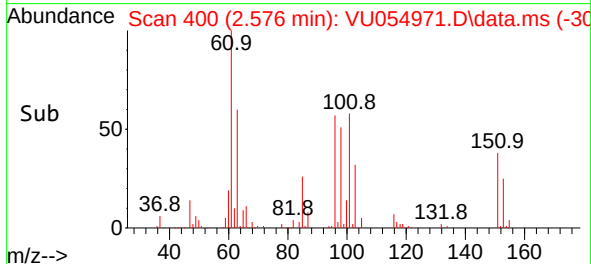
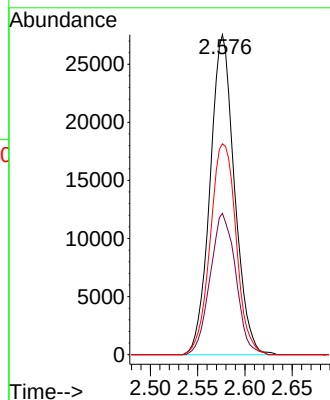
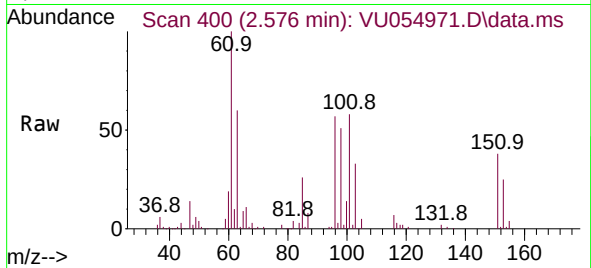




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.030 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054971.D
 Acq: 29 Aug 2023 21:07

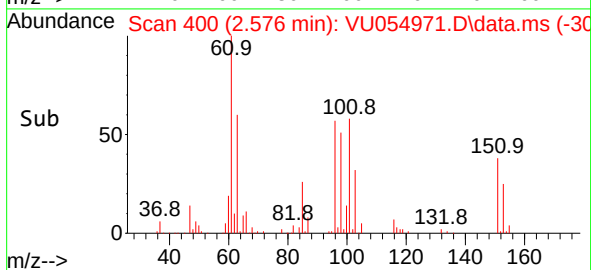
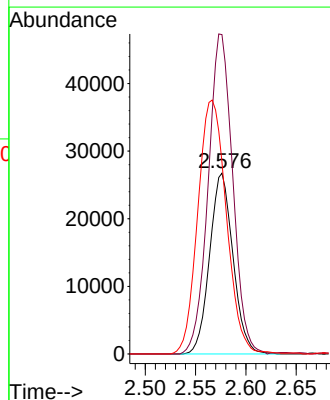
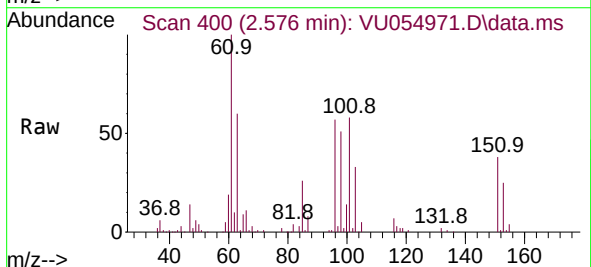
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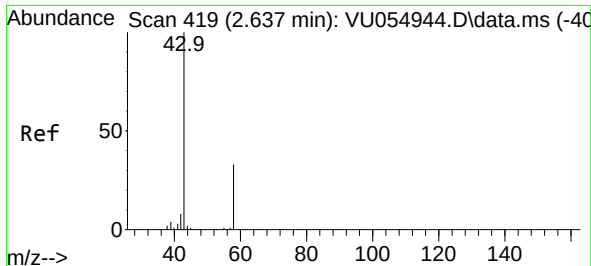
Tgt Ion:101 Resp: 49477
 Ion Ratio Lower Upper
 101 100
 85 46.2 38.3 57.5
 151 70.0 51.5 77.3



#12
 1,1-Dichloroethene
 Concen: 5.043 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054971.D
 Acq: 29 Aug 2023 21:07

Tgt Ion: 96 Resp: 43171
 Ion Ratio Lower Upper
 96 100
 61 176.6 132.4 245.8
 63 106.1 82.5 153.1





#13

Acetone

Concen: 53.824 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

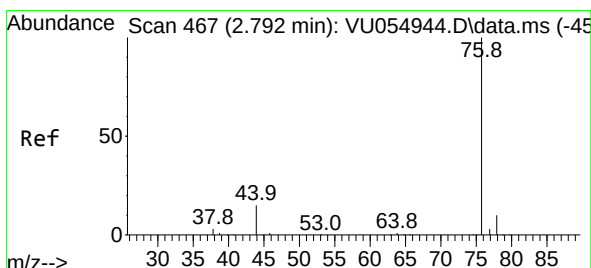
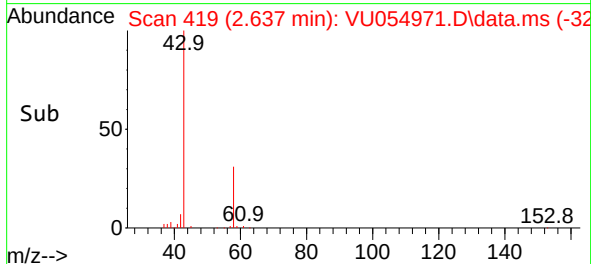
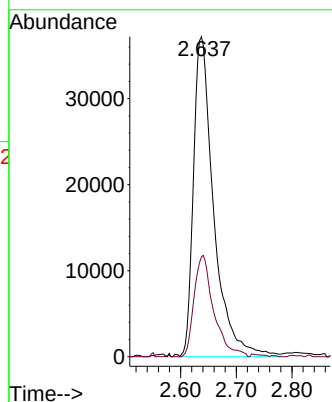
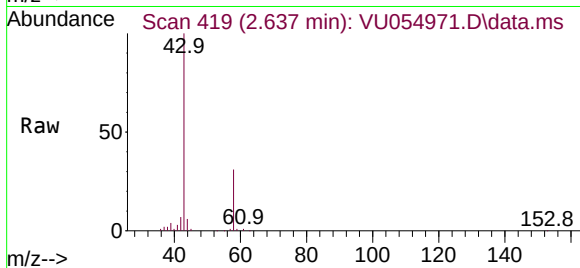
ClientSampleId :

Tgt Ion: 43 Resp: 93960

Ion Ratio Lower Upper

43 100

58 30.6 0.0 64.4



#14

Carbon disulfide

Concen: 4.700 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054971.D

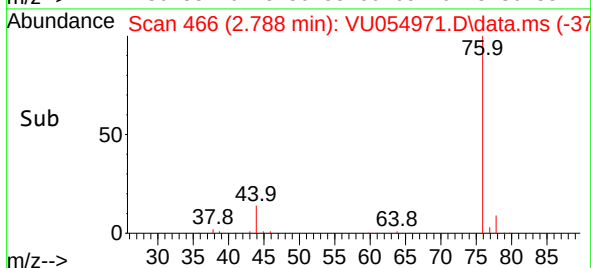
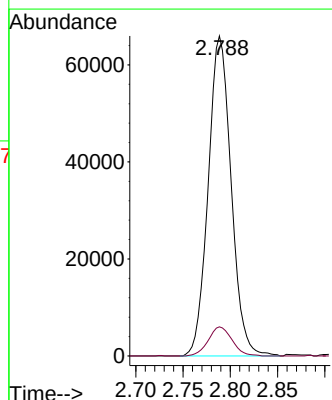
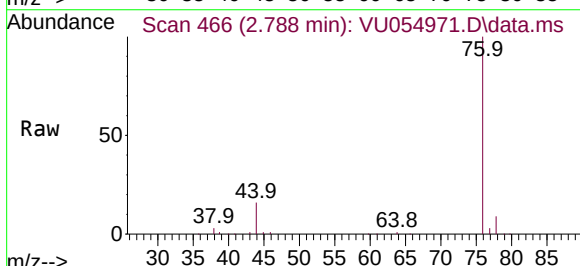
Acq: 29 Aug 2023 21:07

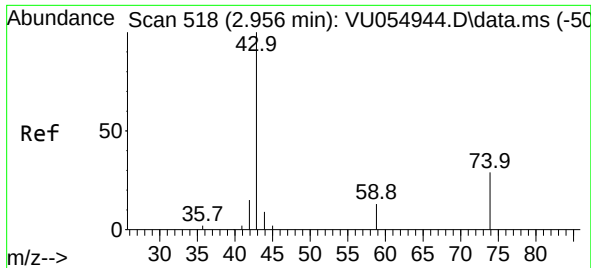
Tgt Ion: 76 Resp: 111421

Ion Ratio Lower Upper

76 100

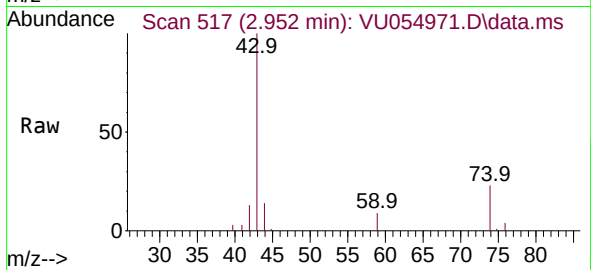
78 9.1 8.2 12.2



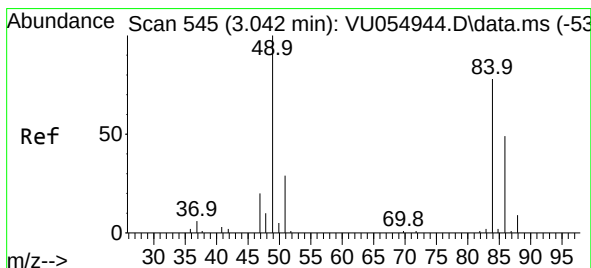
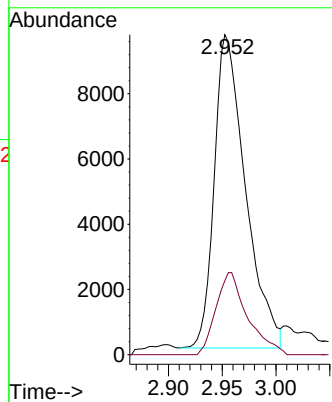
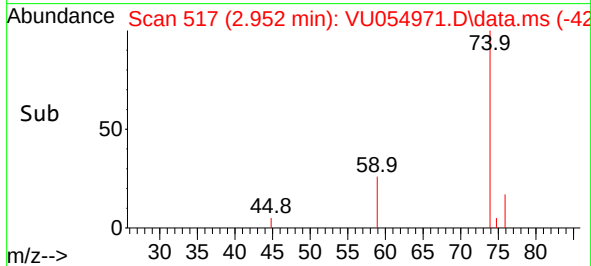


#15
Methyl Acetate
Concen: 5.418 ug/L
RT: 2.952 min Scan# 518
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Instrument :
MSVOA_U
ClientSampleId :

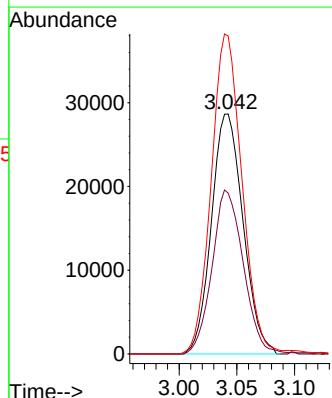
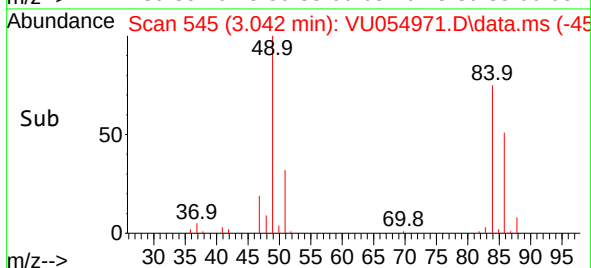
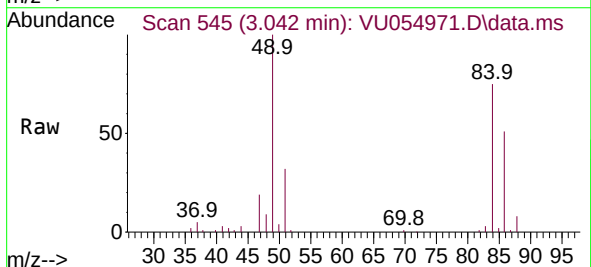


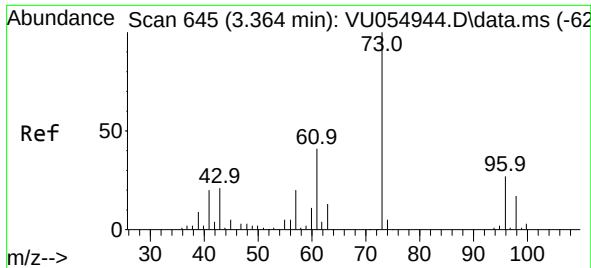
Tgt Ion: 43 Resp: 19361
Ion Ratio Lower Upper
43 100
74 26.4 19.5 29.3



#16
Methylene chloride
Concen: 4.146 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

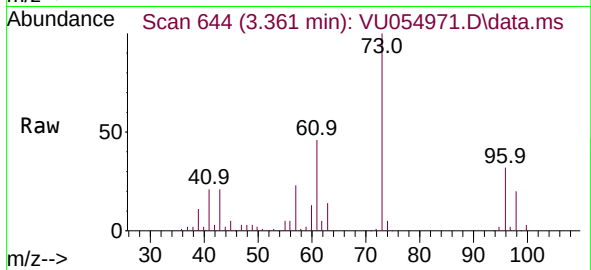
Tgt Ion: 84 Resp: 54520
Ion Ratio Lower Upper
84 100
86 67.0 45.1 83.7
49 132.5 89.5 166.3



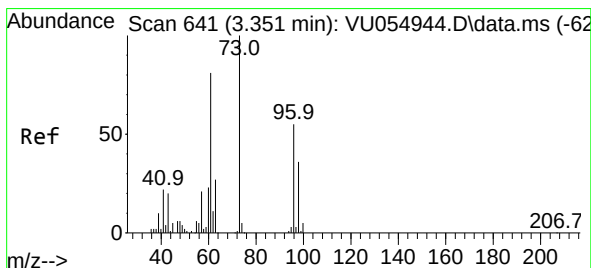
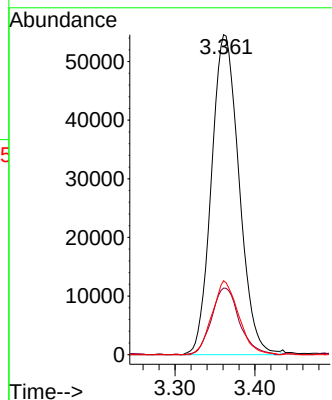
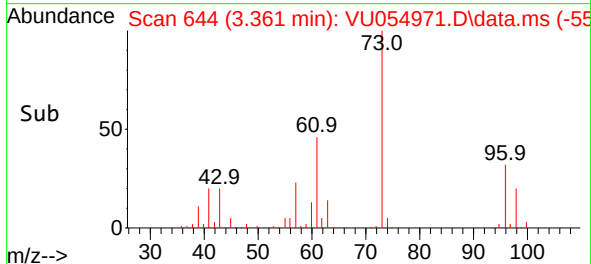


#17
Methyl tert-butyl Ether
Concen: 5.251 ug/L
RT: 3.361 min Scan# 645
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

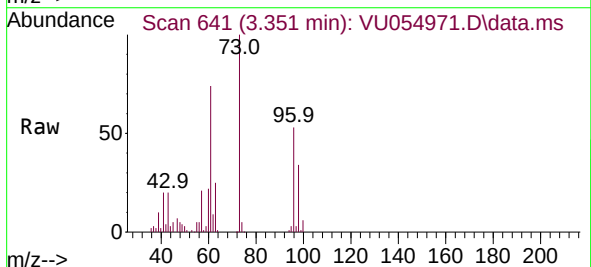
Instrument :
MSVOA_U
ClientSampleId :



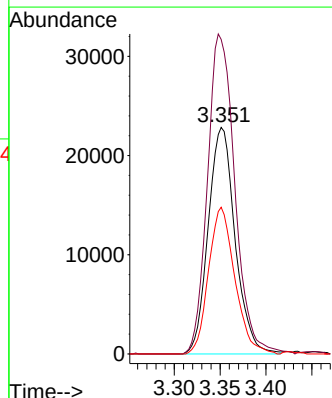
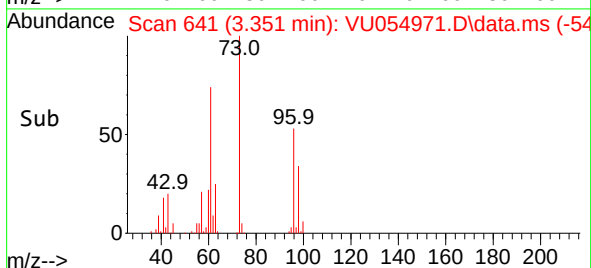
Tgt Ion: 73 Resp: 130813
Ion Ratio Lower Upper
73 100
43 21.0 16.2 24.2
57 22.2 17.4 26.0

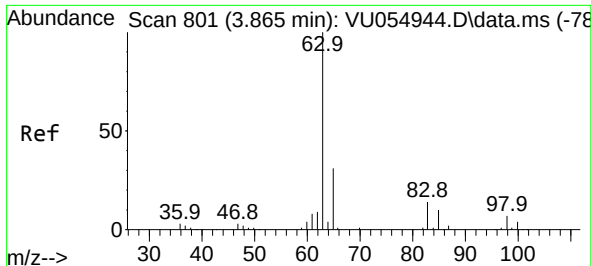


#18
trans-1,2-Dichloroethene
Concen: 4.989 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07



Tgt Ion: 96 Resp: 46663
Ion Ratio Lower Upper
96 100
61 138.8 108.8 202.0
98 64.8 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.006 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054971.D

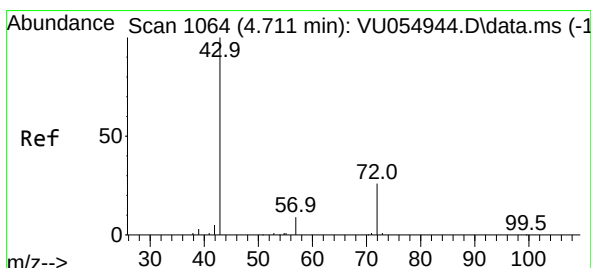
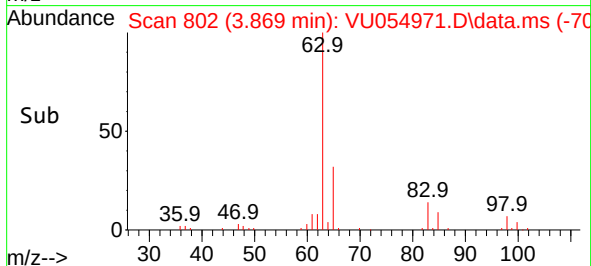
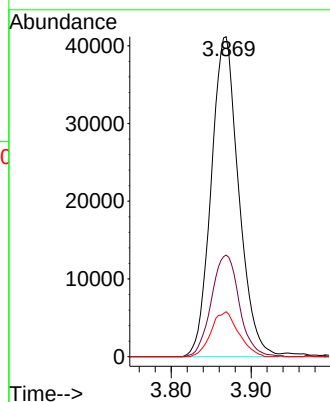
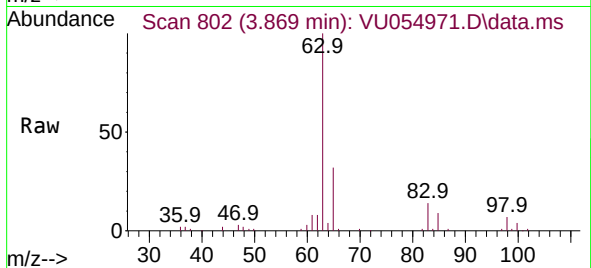
Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	98221
Ion Ratio	Lower	Upper	
63	100		
65	31.7	22.5	41.7
83	14.0	9.5	17.7



#21

2-Butanone

Concen: 55.662 ug/L

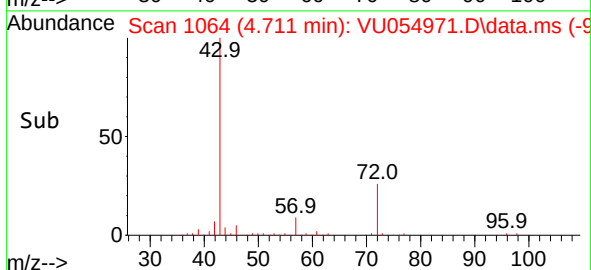
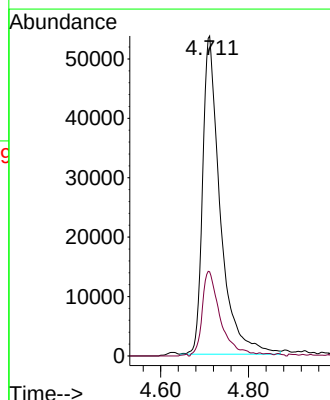
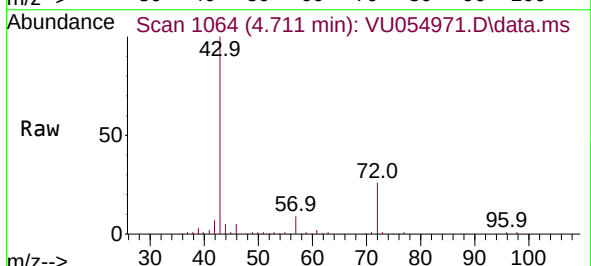
RT: 4.711 min Scan# 1064

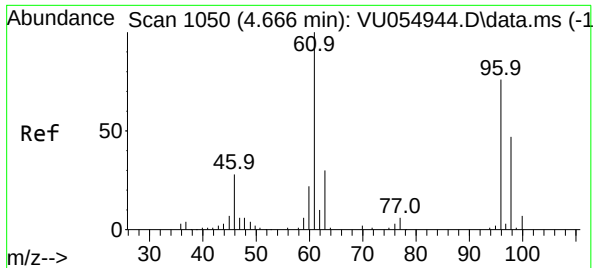
Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Tgt Ion:	43	Resp:	148894
Ion Ratio	Lower	Upper	
43	100		
72	27.4	14.1	42.3





#22

cis-1,2-Dichloroethene

Concen: 5.046 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :

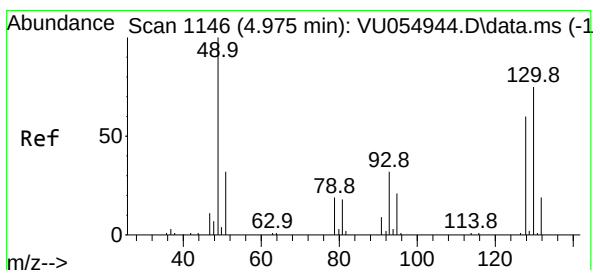
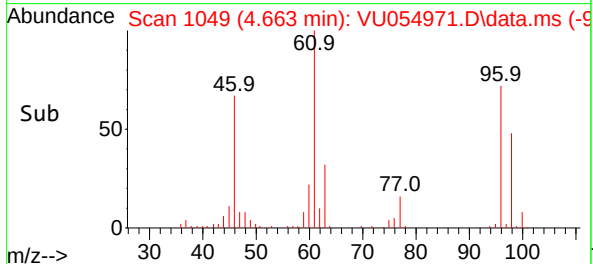
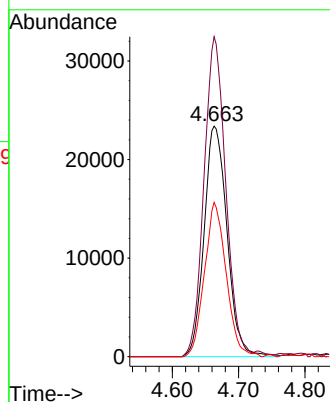
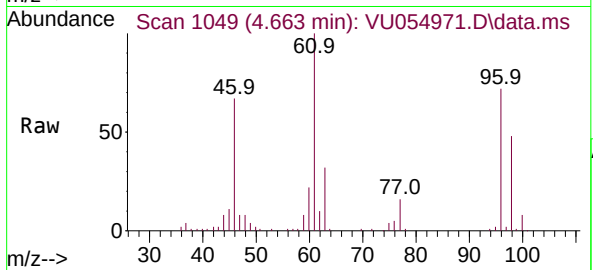
Tgt Ion: 96 Resp: 56273

Ion Ratio Lower Upper

96 100

61 138.8 88.4 164.2

98 66.9 44.0 81.6



#23

Bromochloromethane

Concen: 5.036 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Tgt Ion:128 Resp: 24302

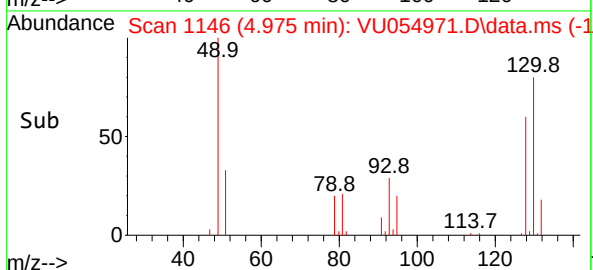
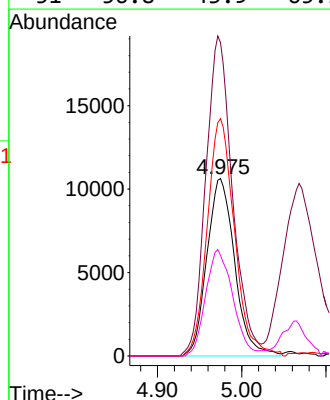
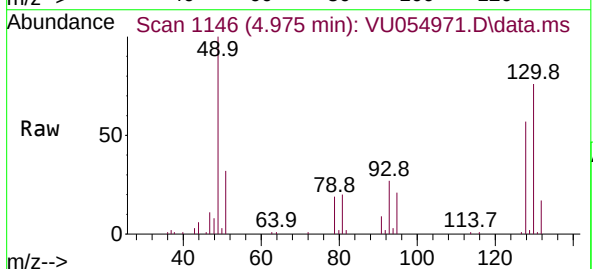
Ion Ratio Lower Upper

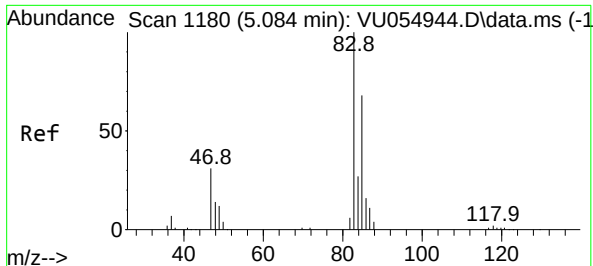
128 100

49 176.6 113.8 211.3

130 133.8 83.9 155.7

51 56.8 43.9 65.9





#25

Chloroform

Concen: 4.936 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

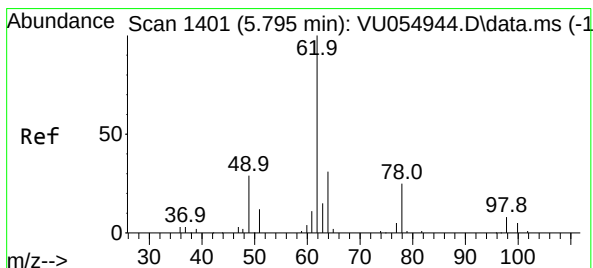
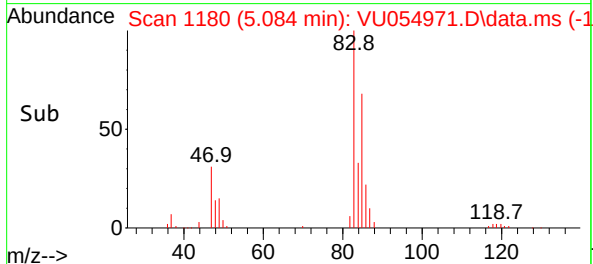
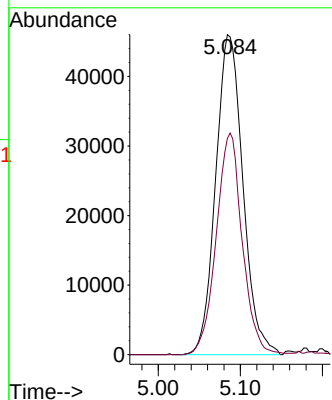
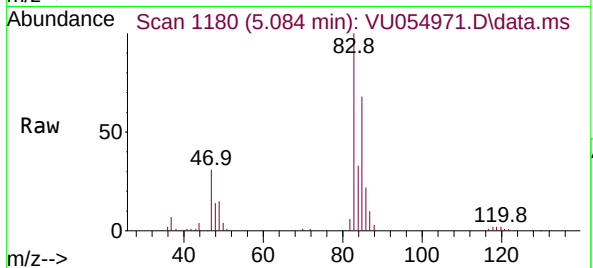
ClientSampleId :

Tgt Ion: 83 Resp: 106232

Ion Ratio Lower Upper

83 100

85 67.6 46.7 86.7



#27

1,2-Dichloroethane

Concen: 5.068 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VU054971.D

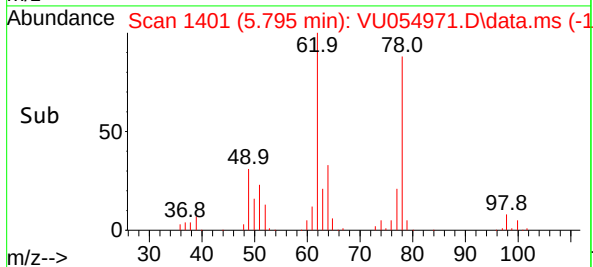
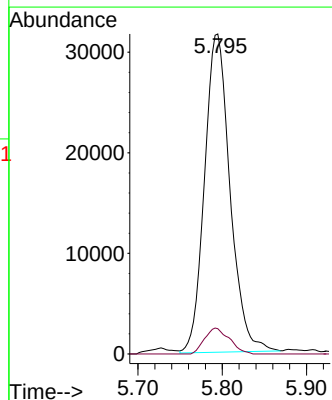
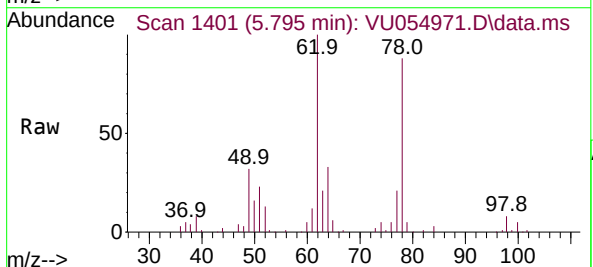
Acq: 29 Aug 2023 21:07

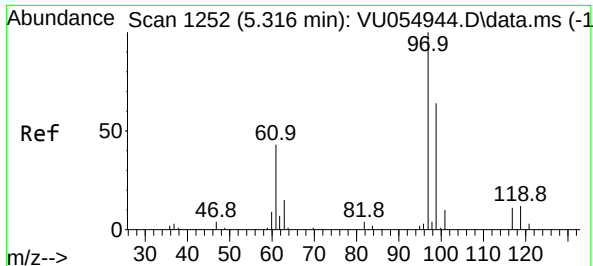
Tgt Ion: 62 Resp: 66638

Ion Ratio Lower Upper

62 100

98 7.9 7.0 10.6

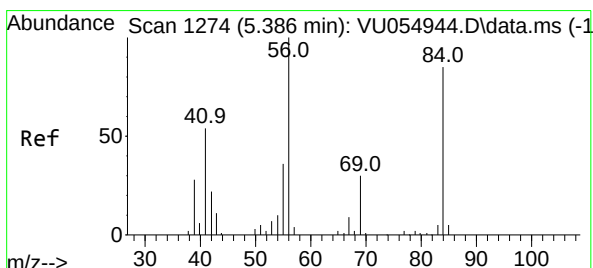
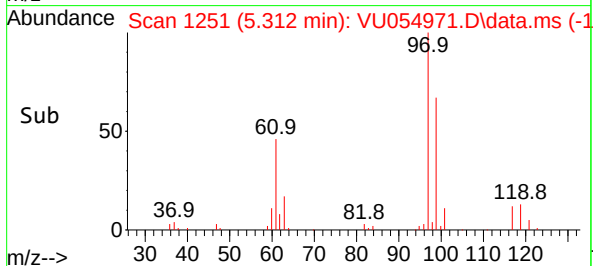
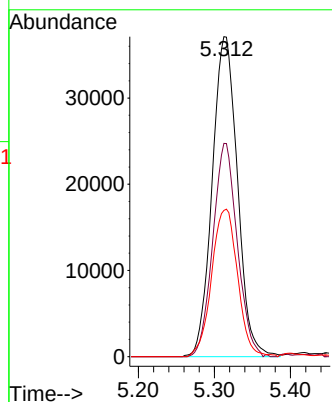
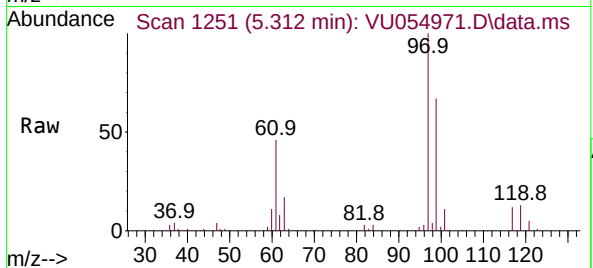




#29
1,1,1-Trichloroethane
Concen: 4.771 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

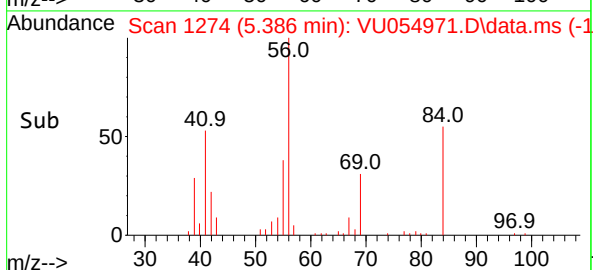
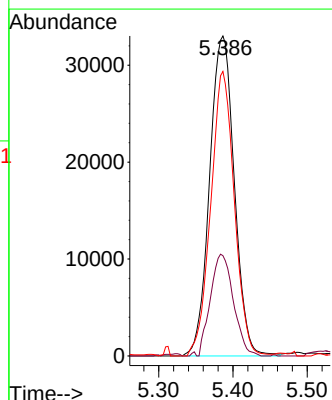
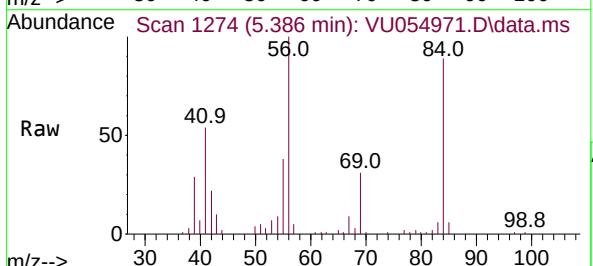
Instrument :
MSVOA_U
ClientSampleId :

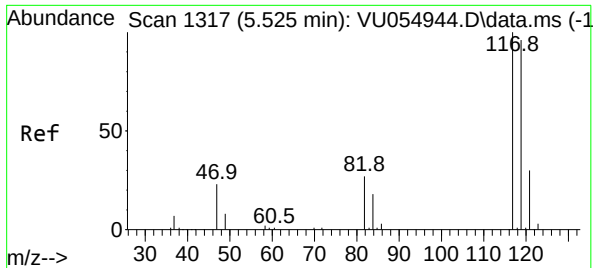
Tgt Ion: 97 Resp: 85777
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 47.3 37.2 55.8



#30
Cyclohexane
Concen: 4.790 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion: 56 Resp: 76345
Ion Ratio Lower Upper
56 100
69 29.8 24.5 36.7
84 84.8 71.3 106.9

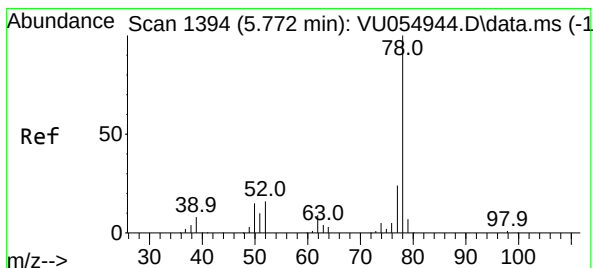
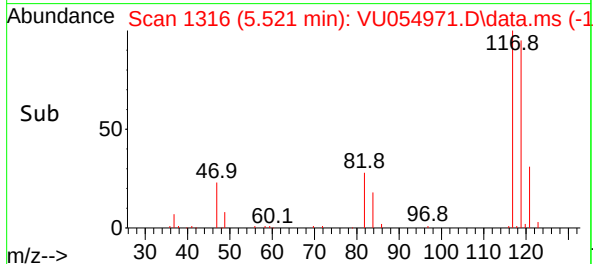
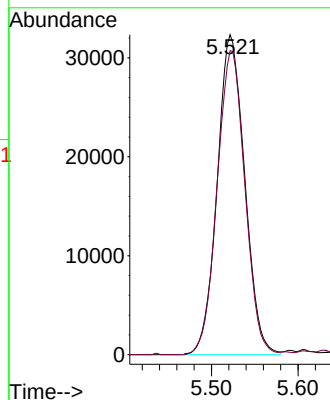
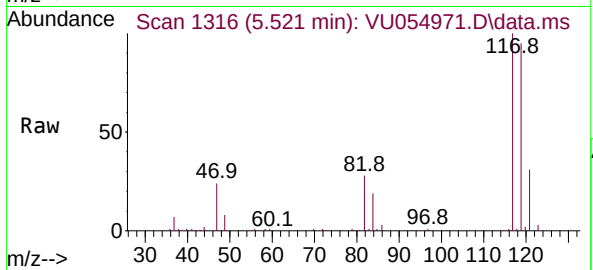




#31
Carbon tetrachloride
Concen: 4.661 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

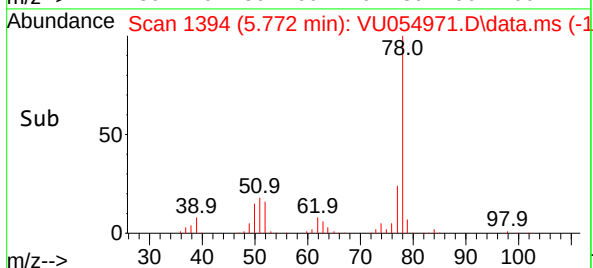
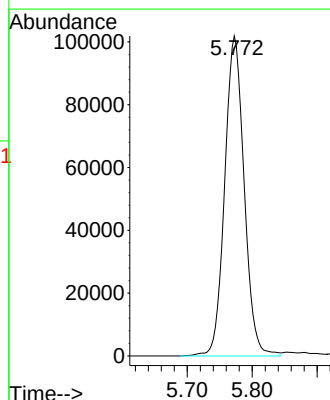
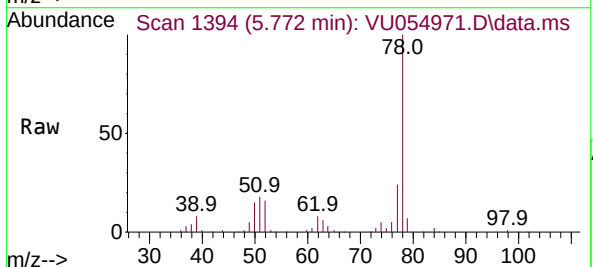
Instrument :
MSVOA_U
ClientSampleId :

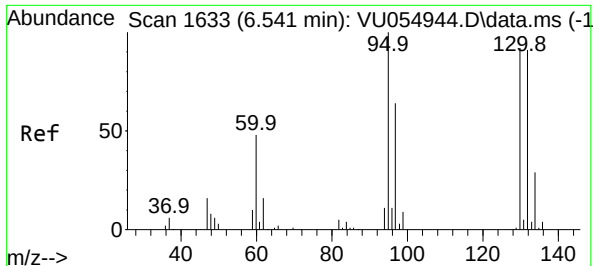
Tgt Ion:117 Resp: 71305
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0



#33
Benzene
Concen: 4.957 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

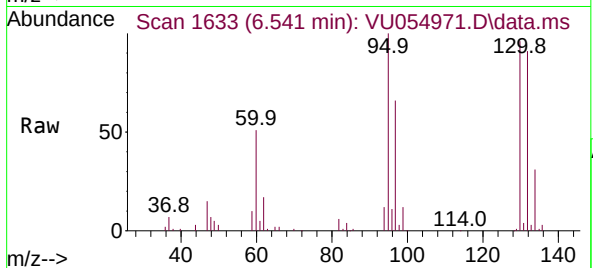
Tgt Ion: 78 Resp: 211495



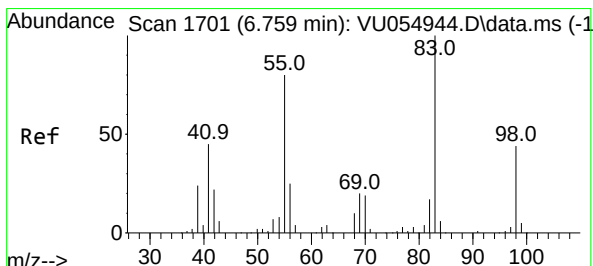
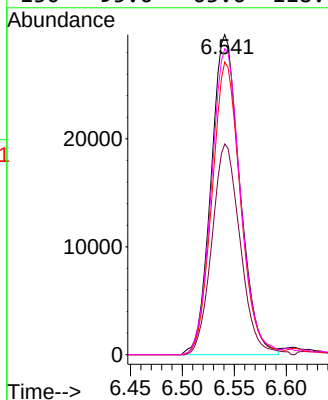
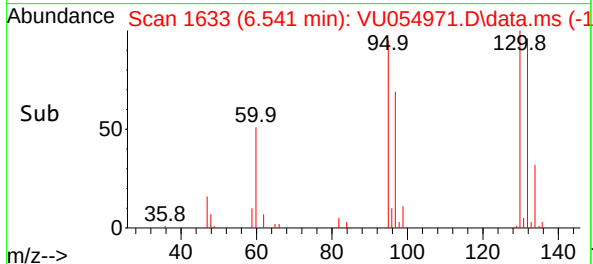


#34
Trichloroethene
Concen: 4.820 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

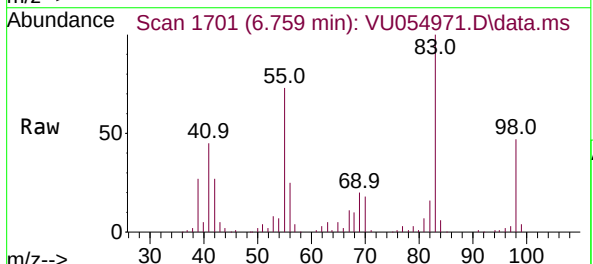
Instrument :
MSVOA_U
ClientSampleId :



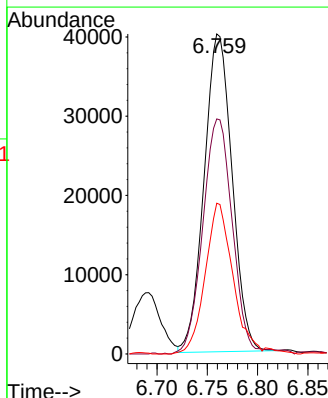
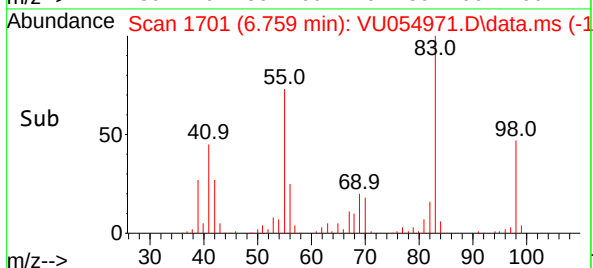
Tgt Ion: 95 Resp: 57000
Ion Ratio Lower Upper
95 100
97 65.8 44.1 81.9
132 91.5 63.6 118.2
130 95.6 63.6 118.0

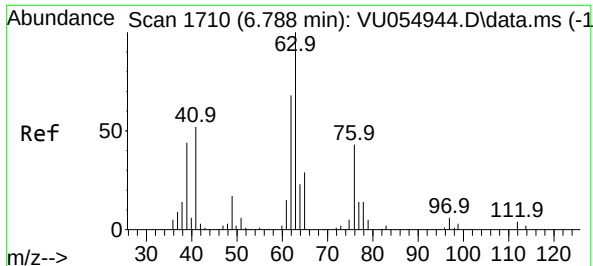


#35
Methylcyclohexane
Concen: 4.433 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07



Tgt Ion: 83 Resp: 77567
Ion Ratio Lower Upper
83 100
55 78.7 62.1 93.1
98 46.6 37.8 56.6





#37

1,2-Dichloropropane

Concen: 4.777 ug/L

RT: 6.791 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

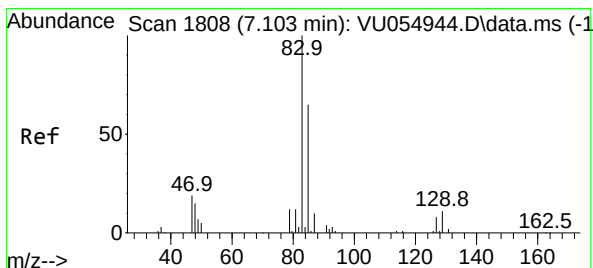
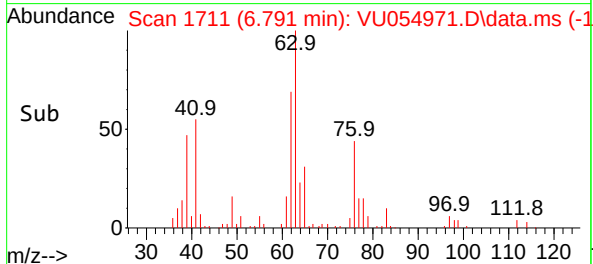
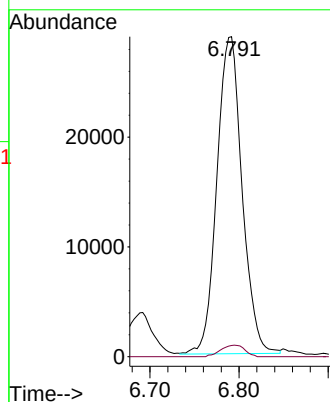
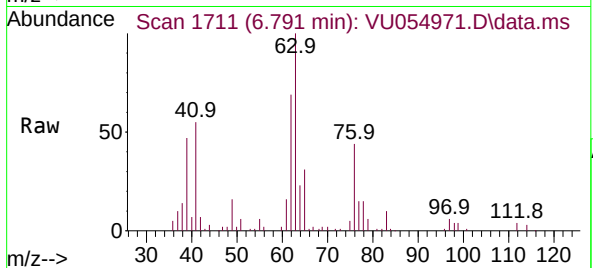
ClientSampleId :

Tgt Ion: 63 Resp: 56823

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



#38

Bromodichloromethane

Concen: 4.779 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

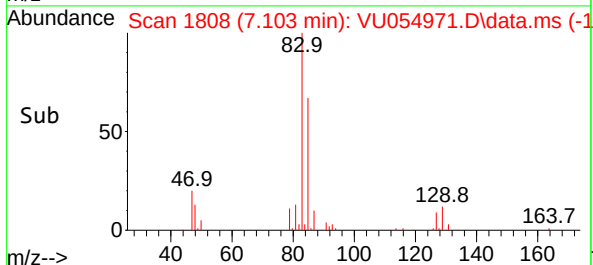
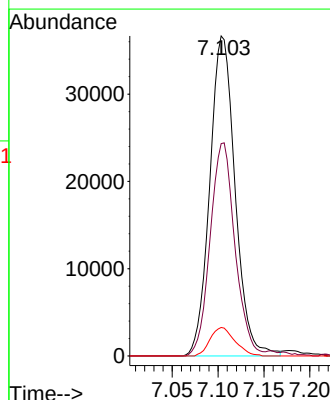
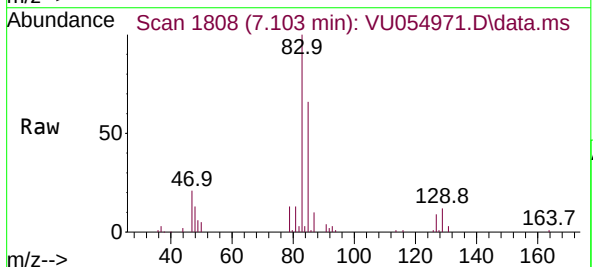
Tgt Ion: 83 Resp: 70515

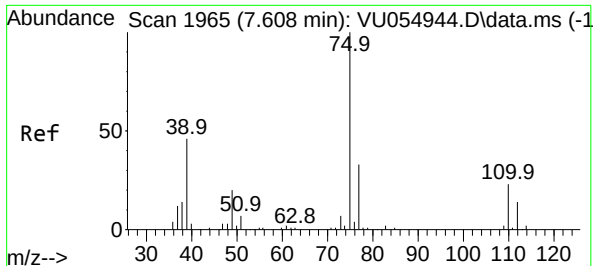
Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7

127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.831 ug/L

RT: 7.608 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

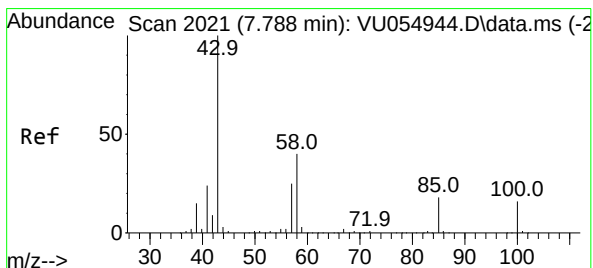
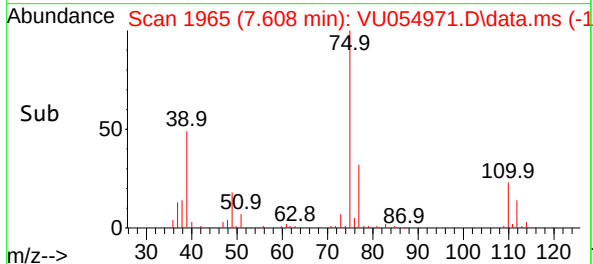
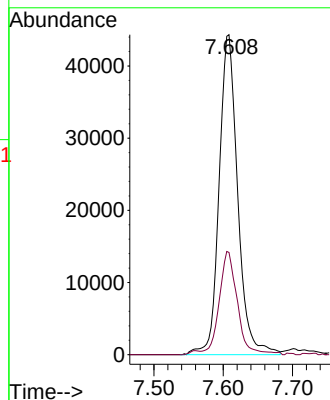
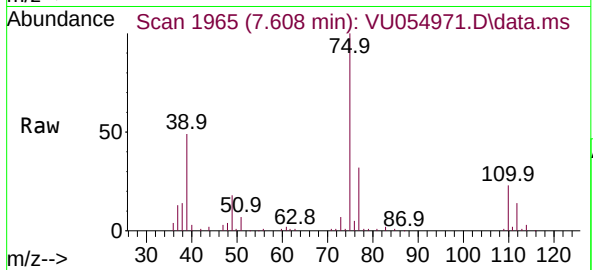
ClientSampleId :

Tgt Ion: 75 Resp: 82810

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 56.138 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

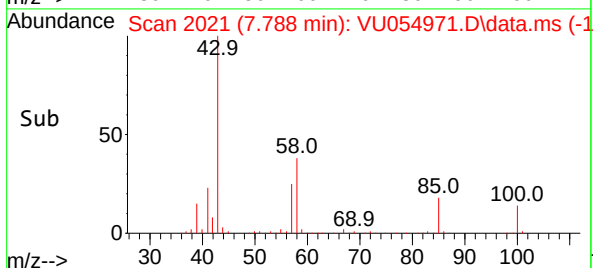
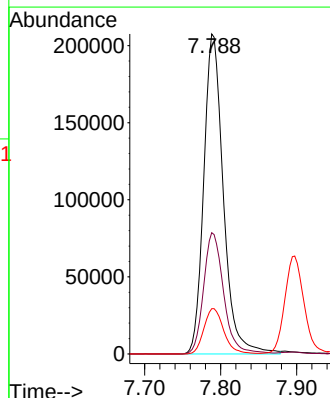
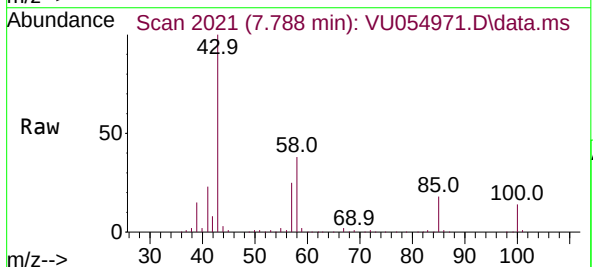
Tgt Ion: 43 Resp: 372279

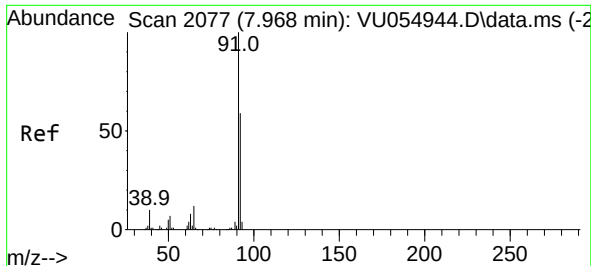
Ion Ratio Lower Upper

43 100

58 38.8 32.1 48.1

100 14.4 11.8 17.6





#42

Toluene

Concen: 4.829 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

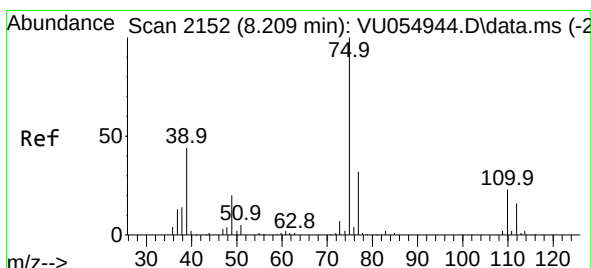
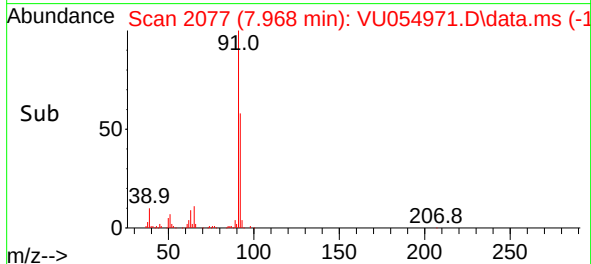
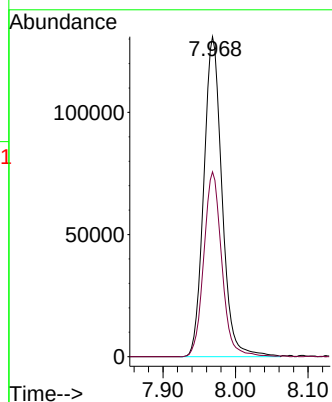
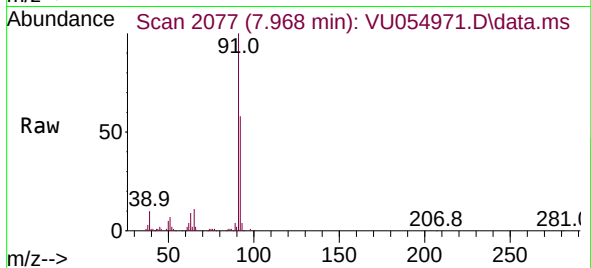
ClientSampleId :

Tgt Ion: 91 Resp: 228642

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.771 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU054971.D

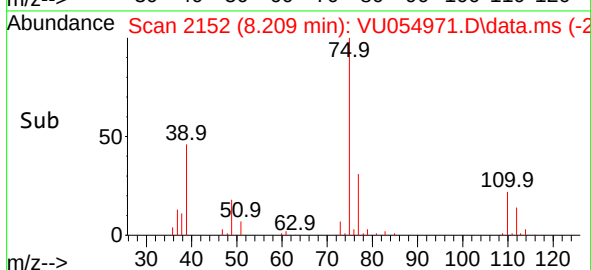
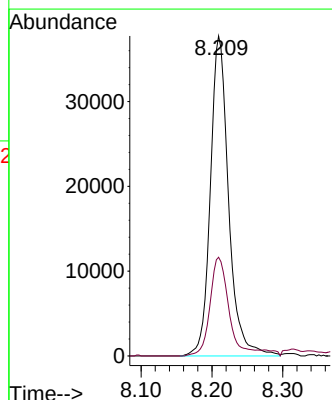
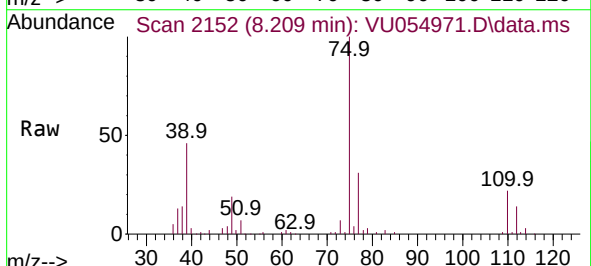
Acq: 29 Aug 2023 21:07

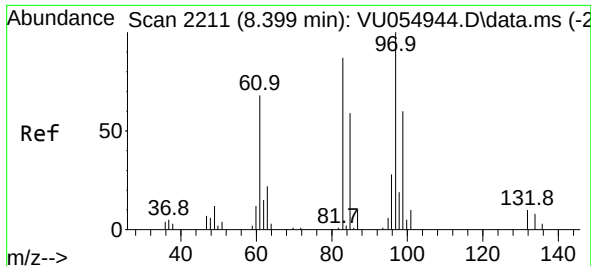
Tgt Ion: 75 Resp: 67537

Ion Ratio Lower Upper

75 100

77 30.9 21.3 39.5

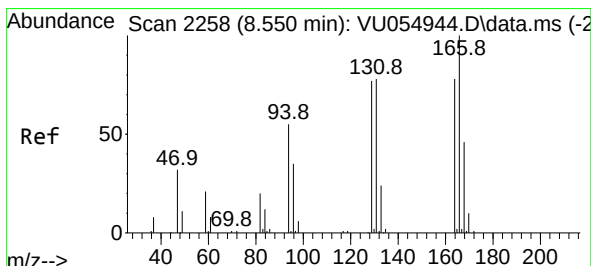
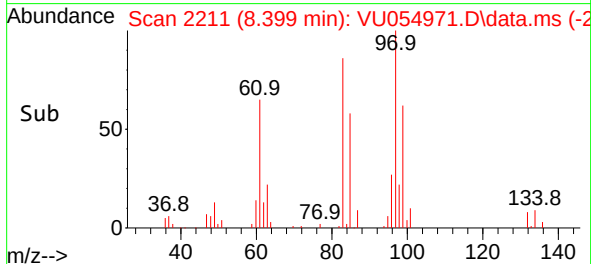
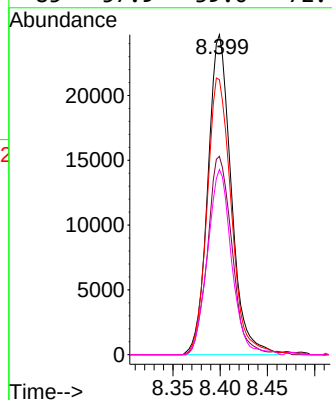
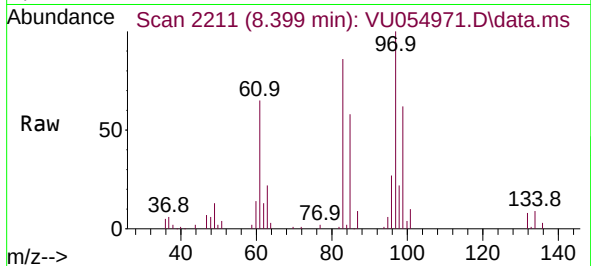




#45
1,1,2-Trichloroethane
Concen: 5.295 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

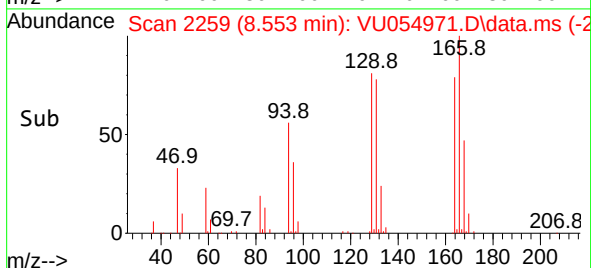
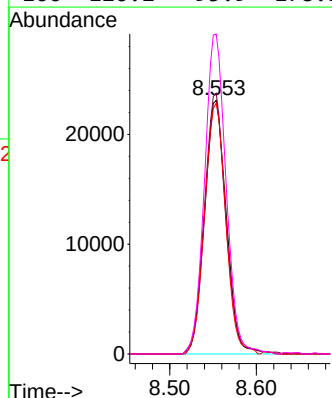
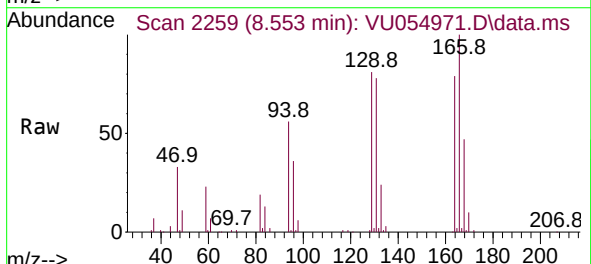
Instrument :
MSVOA_U
ClientSampleId :

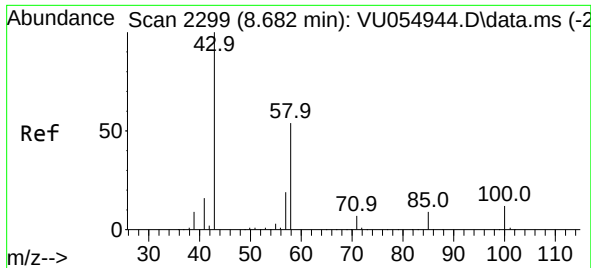
Tgt Ion:	97	Resp:	42512
Ion	Ratio	Lower	Upper
97	100		
99	62.0	41.5	77.1
83	85.9	59.8	111.1
85	57.9	39.0	72.4



#47
Tetrachloroethene
Concen: 4.735 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

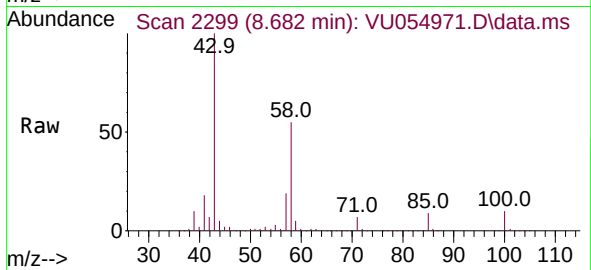
Tgt Ion:	164	Resp:	40239
Ion	Ratio	Lower	Upper
164	100		
129	102.8	72.8	135.2
131	98.9	70.7	131.3
166	126.2	95.9	178.1



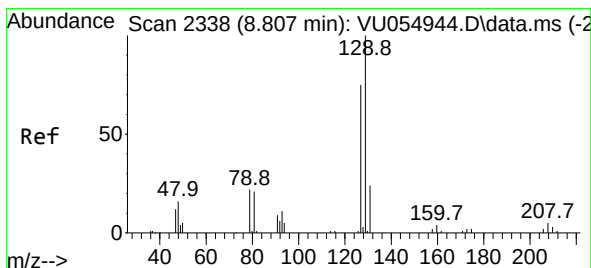
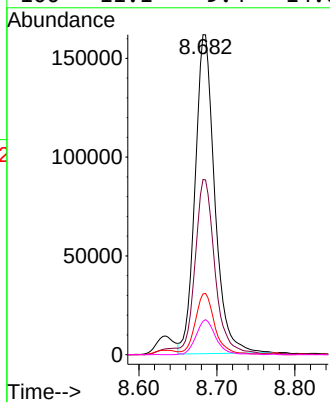
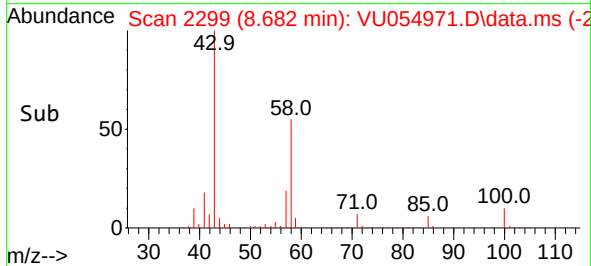


#48
2-Hexanone
Concen: 57.695 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Instrument :
MSVOA_U
ClientSampleId :

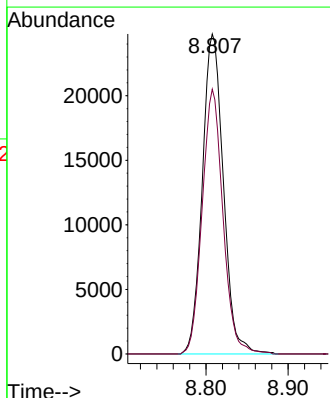
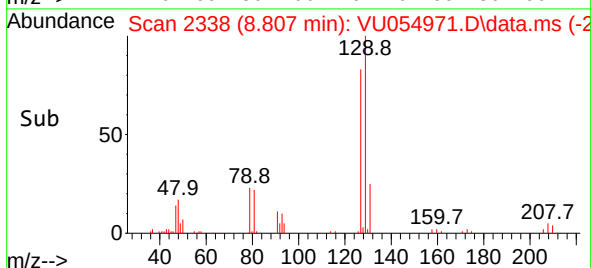
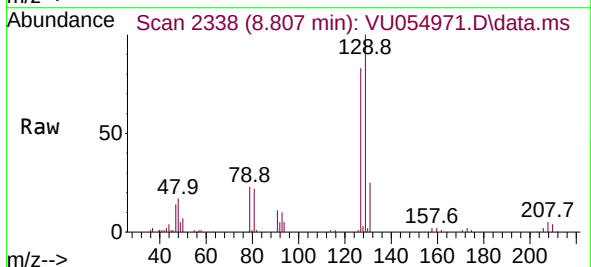


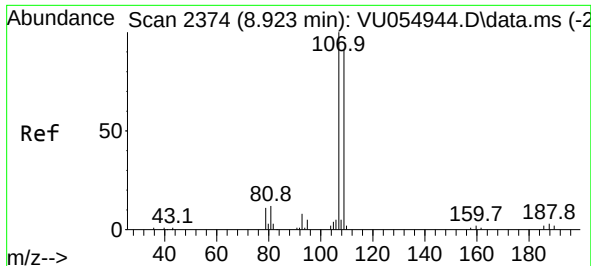
Tgt Ion: 43 Resp: 283343
Ion Ratio Lower Upper
43 100
58 57.5 44.0 66.0
57 18.8 15.9 23.9
100 11.1 9.4 14.0



#49
Dibromochloromethane
Concen: 4.750 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion:129 Resp: 44171
Ion Ratio Lower Upper
129 100
127 82.8 60.5 112.5





#50

1,2-Dibromoethane

Concen: 4.960 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054971.D

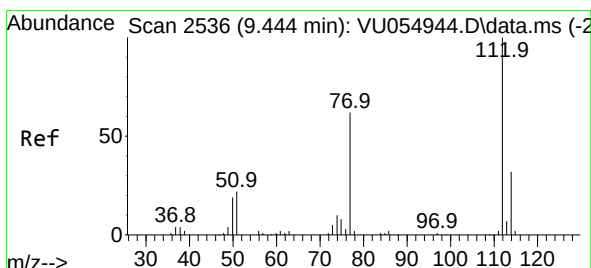
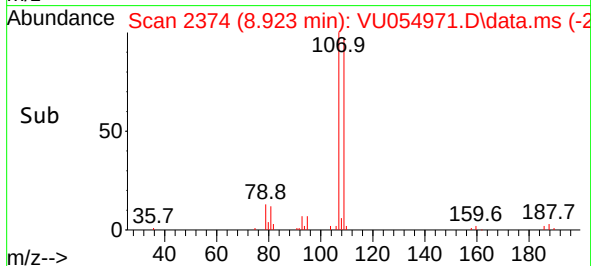
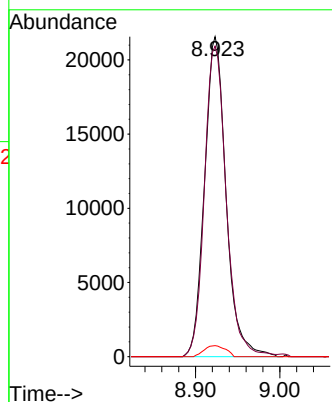
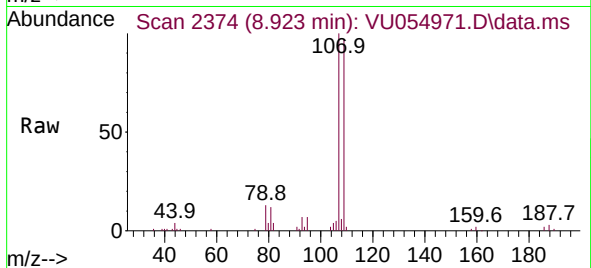
Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	38334
Ion	Ratio	Lower	Upper
107	100		
109	97.0	67.8	125.8
188	3.4	2.5	3.7



#51

Chlorobenzene

Concen: 4.795 ug/L

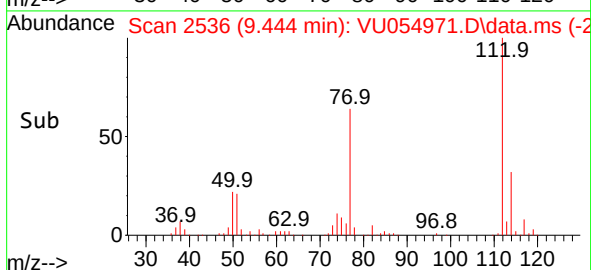
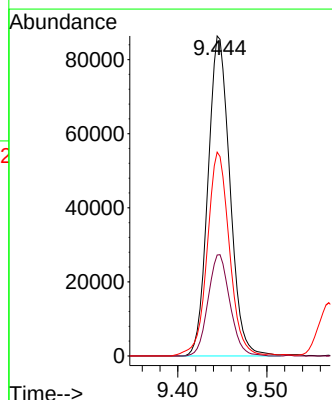
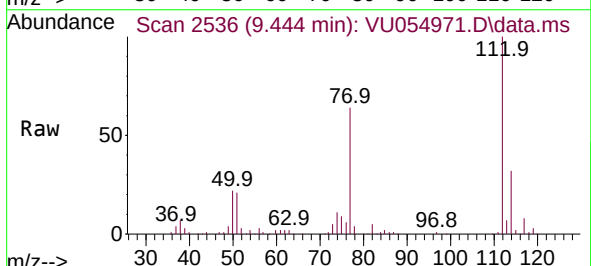
RT: 9.444 min Scan# 2536

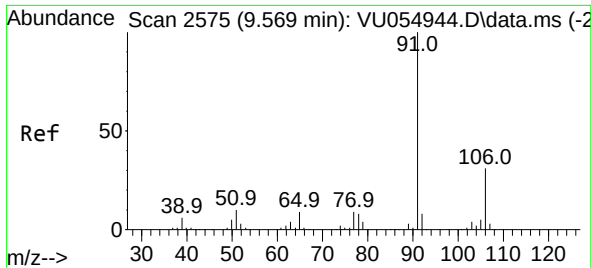
Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Tgt Ion:	112	Resp:	147781
Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.4	43.4
77	63.7	49.3	73.9

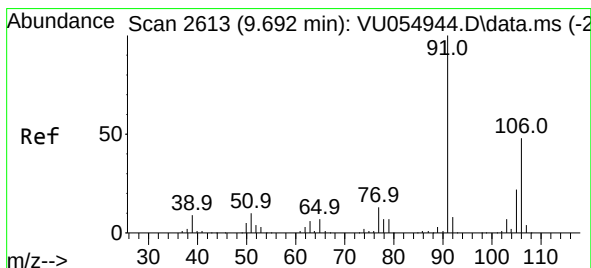
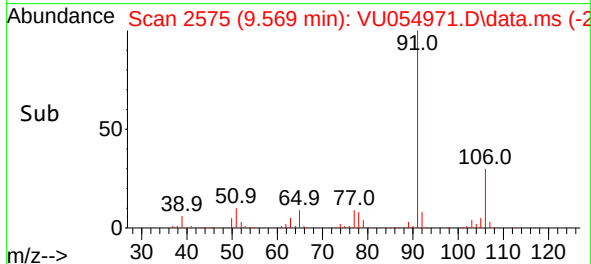
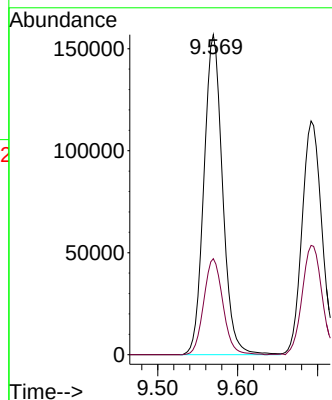
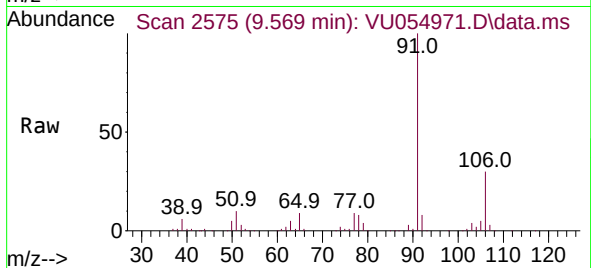




#52
Ethylbenzene
Concen: 4.774 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

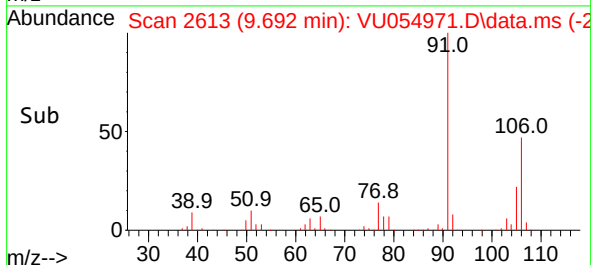
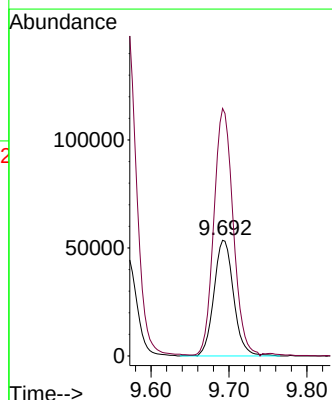
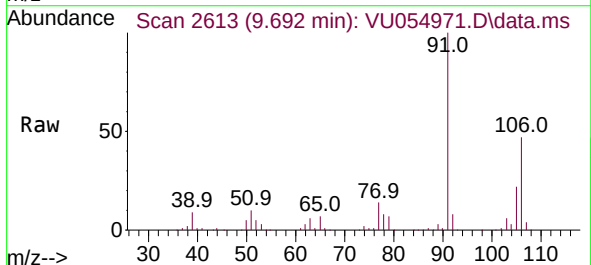
Instrument :
MSVOA_U
ClientSampleId :

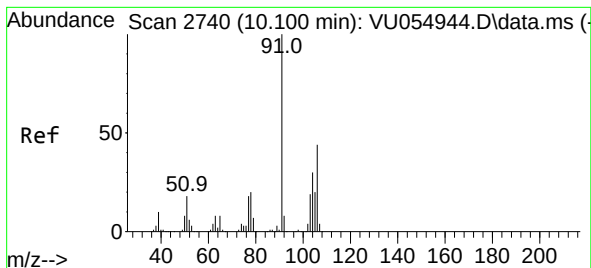
Tgt Ion: 91 Resp: 254929
Ion Ratio Lower Upper
91 100
106 30.0 21.2 39.4



#53
m,p-Xylene
Concen: 4.689 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion: 106 Resp: 93832
Ion Ratio Lower Upper
106 100
91 214.1 147.7 274.3





#54

o-Xylene

Concen: 4.901 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

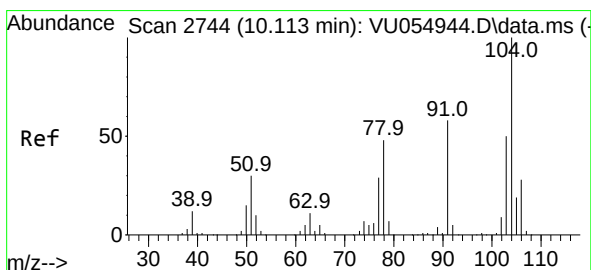
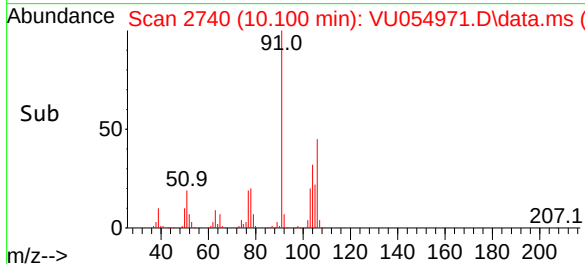
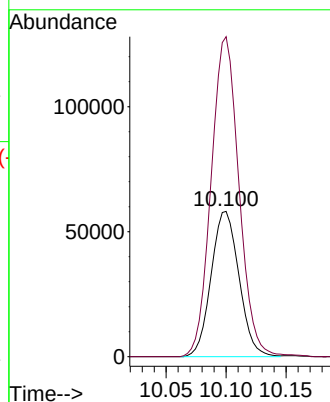
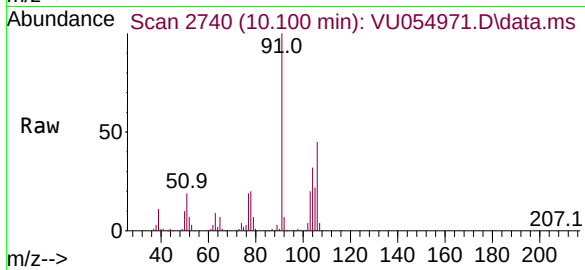
ClientSampleId :

Tgt Ion:106 Resp: 94027

Ion Ratio Lower Upper

106 100

91 220.2 154.2 286.4



#55

Styrene

Concen: 4.979 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU054971.D

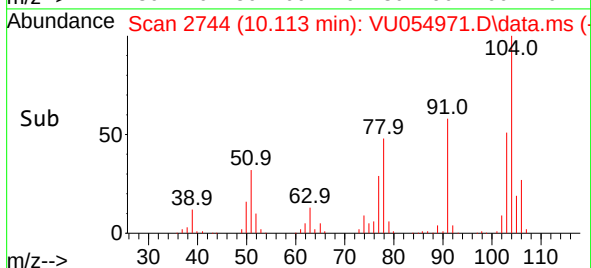
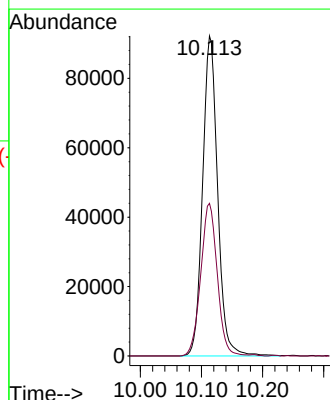
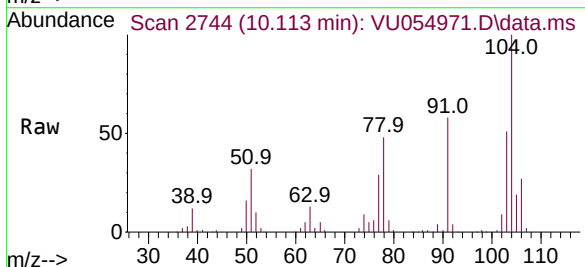
Acq: 29 Aug 2023 21:07

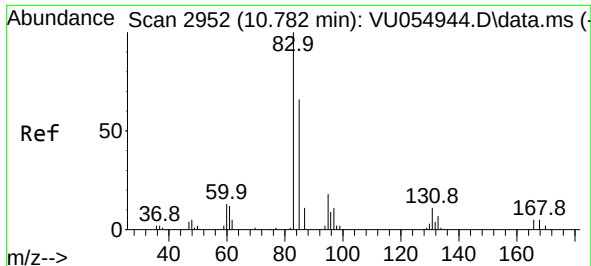
Tgt Ion:104 Resp: 157470

Ion Ratio Lower Upper

104 100

78 47.7 33.7 62.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.468 ug/L

RT: 10.782 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :

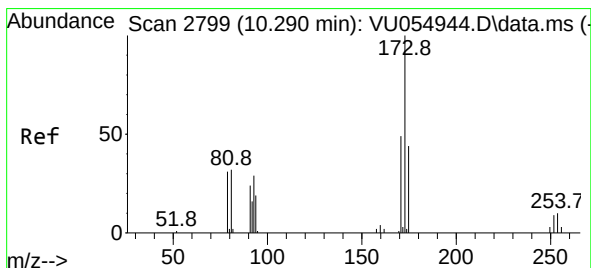
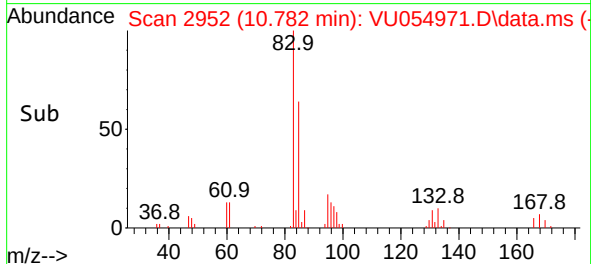
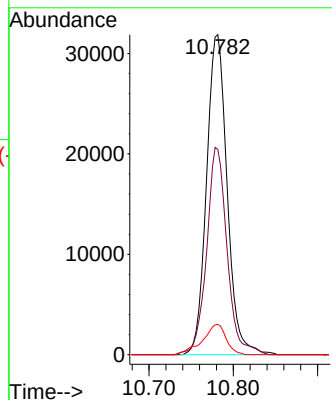
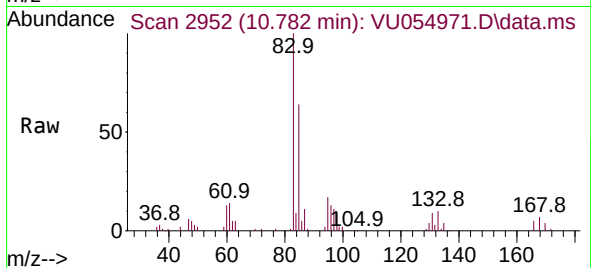
Tgt Ion: 83 Resp: 54306

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

131 9.5 7.7 11.5



#59

Bromoform

Concen: 4.639 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

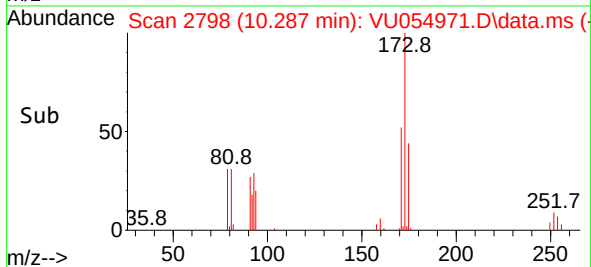
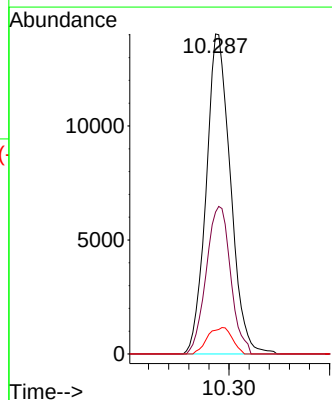
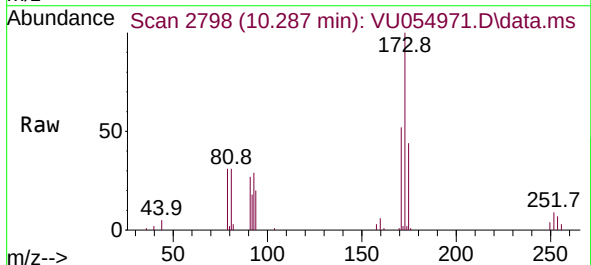
Tgt Ion:173 Resp: 23475

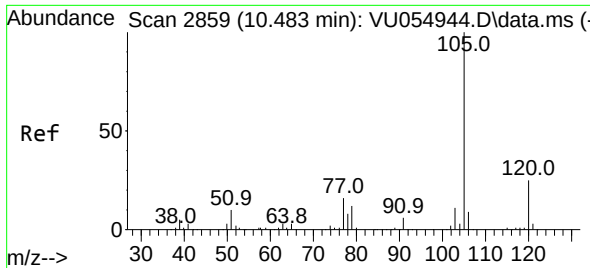
Ion Ratio Lower Upper

173 100

175 46.4 40.8 61.2

254 8.4 6.8 10.2

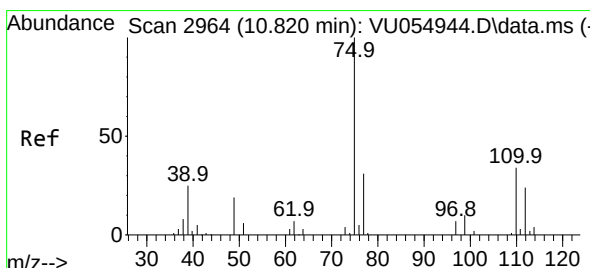
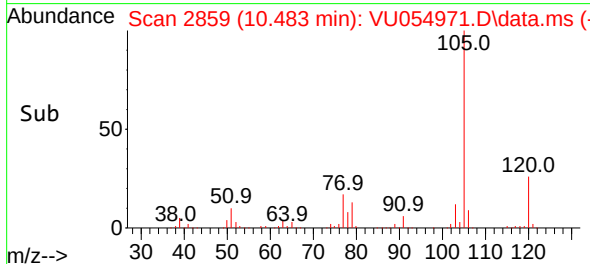
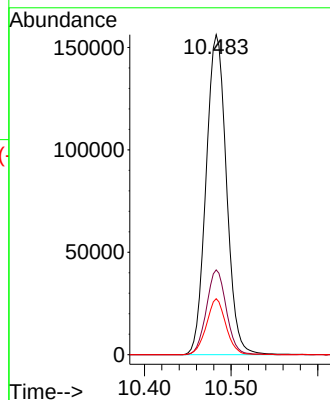
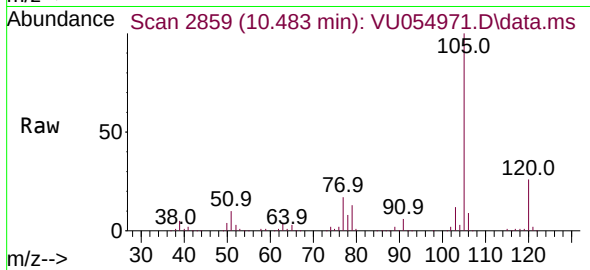




#60
Isopropylbenzene
Concen: 4.666 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

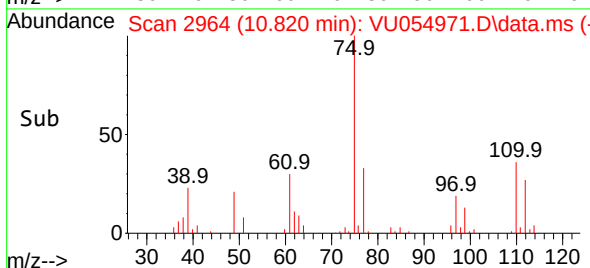
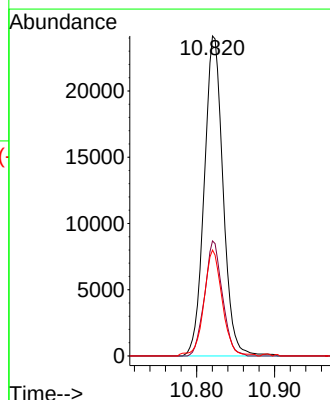
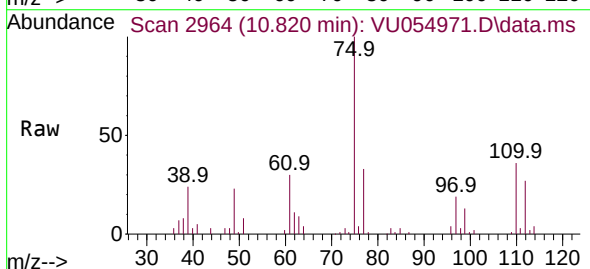
Instrument :
MSVOA_U
ClientSampleId :

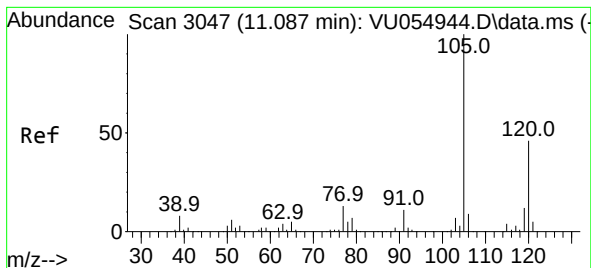
Tgt Ion:105 Resp: 255136
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.8 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.336 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion: 75 Resp: 40473
Ion Ratio Lower Upper
75 100
110 33.9 29.0 43.6
77 32.1 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.569 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

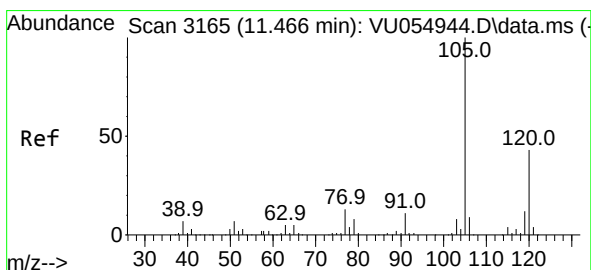
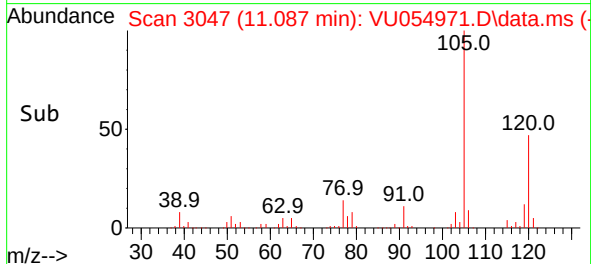
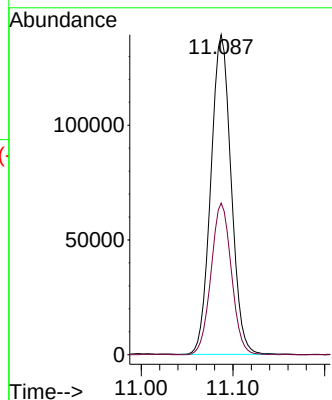
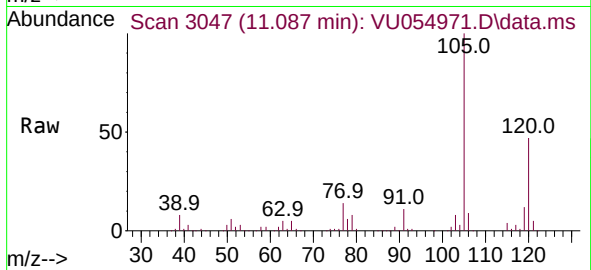
ClientSampleId :

Tgt Ion:105 Resp: 214442

Ion Ratio Lower Upper

105 100

120 47.5 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.722 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU054971.D

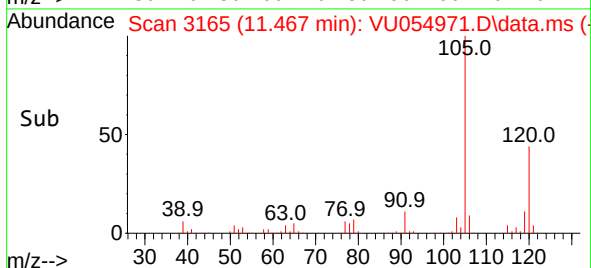
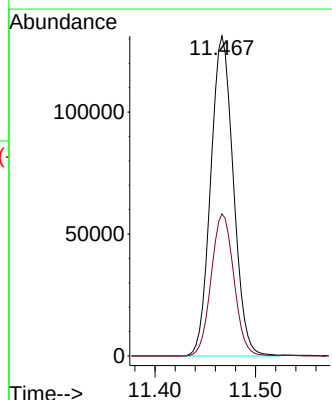
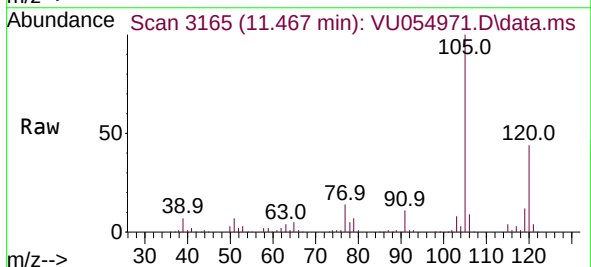
Acq: 29 Aug 2023 21:07

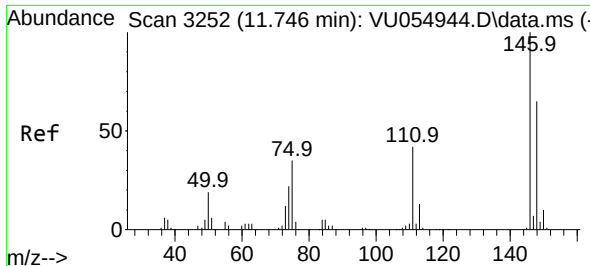
Tgt Ion:105 Resp: 205590

Ion Ratio Lower Upper

105 100

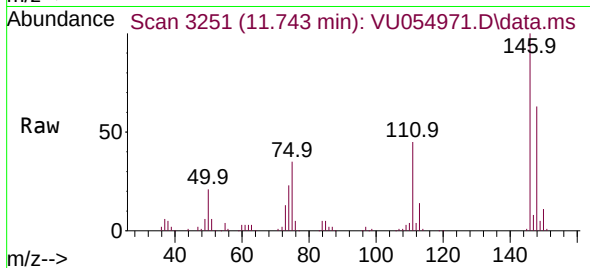
120 44.4 34.3 51.5



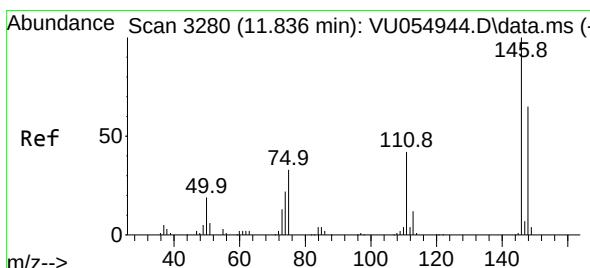
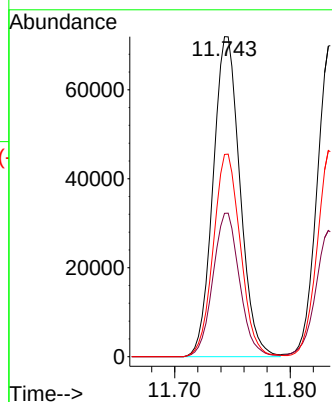
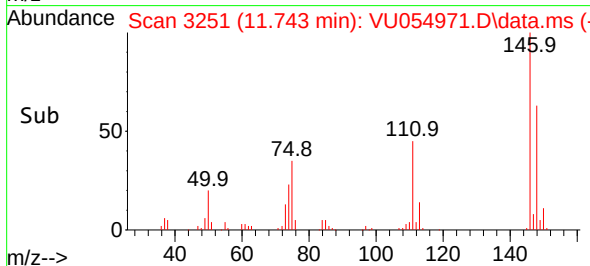


#64
1,3-Dichlorobenzene
Concen: 4.578 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

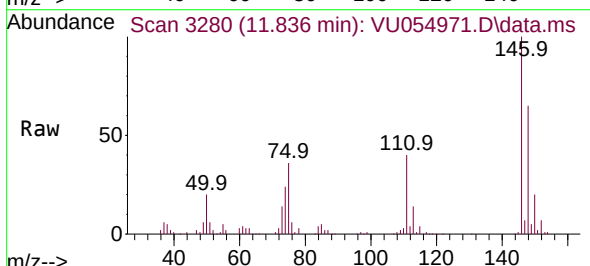
Instrument :
MSVOA_U
ClientSampleId :



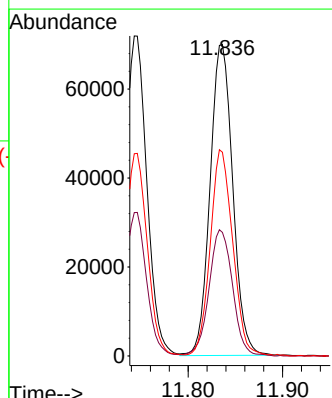
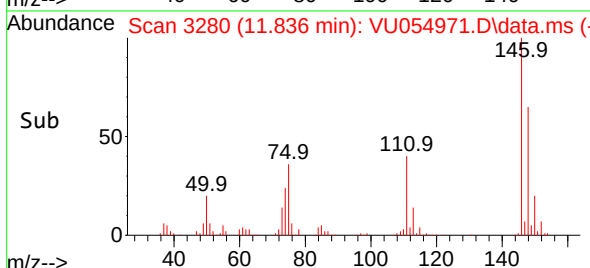
Tgt Ion:146 Resp: 116489
Ion Ratio Lower Upper
146 100
111 44.8 30.4 56.4
148 63.2 44.4 82.4

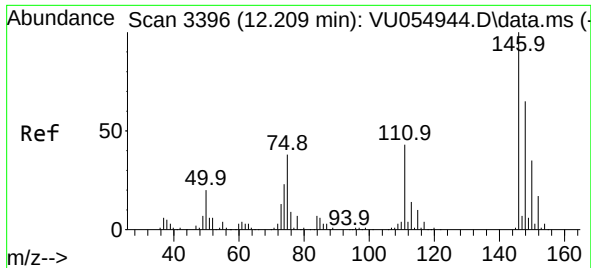


#65
1,4-Dichlorobenzene
Concen: 4.584 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07



Tgt Ion:146 Resp: 116686
Ion Ratio Lower Upper
146 100
111 39.7 29.9 55.5
148 65.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.802 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :

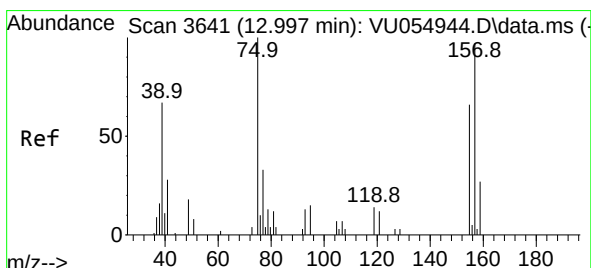
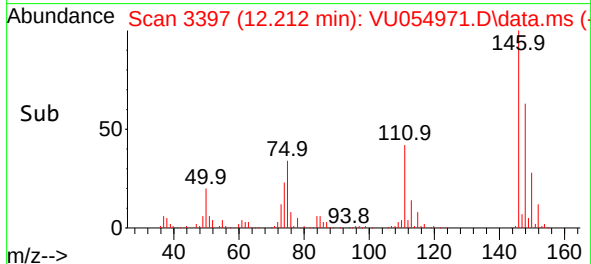
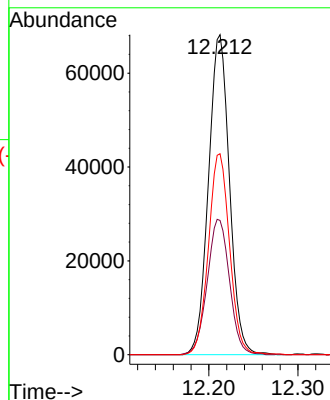
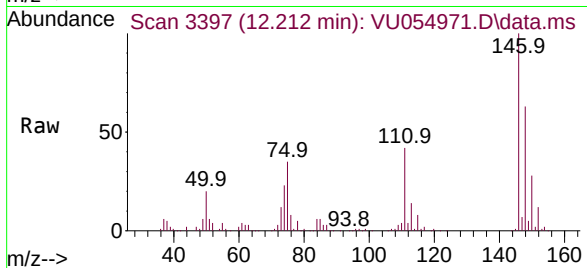
Tgt Ion:146 Resp: 111361

Ion Ratio Lower Upper

146 100

111 41.9 34.9 52.3

148 62.8 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.154 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.003 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

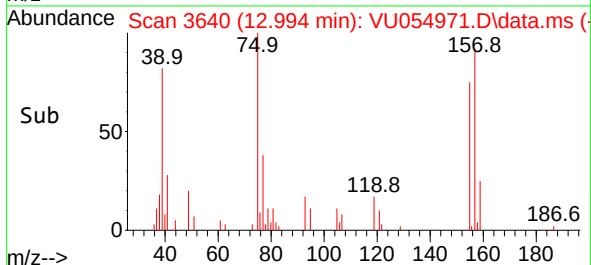
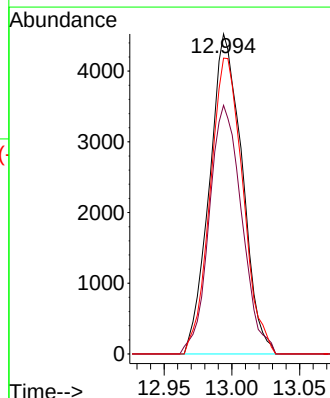
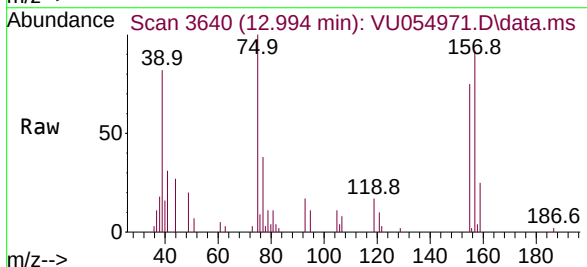
Tgt Ion: 75 Resp: 7575

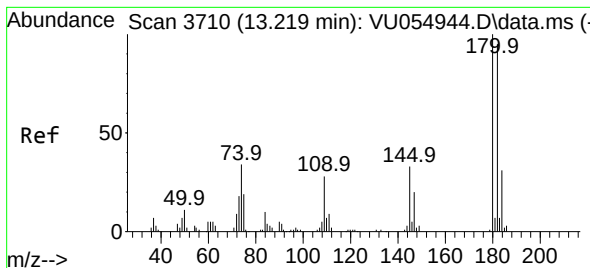
Ion Ratio Lower Upper

75 100

155 77.7 53.3 79.9

157 92.5 69.5 104.3





#69

1,3,5-Trichlorobenzene

Concen: 4.822 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

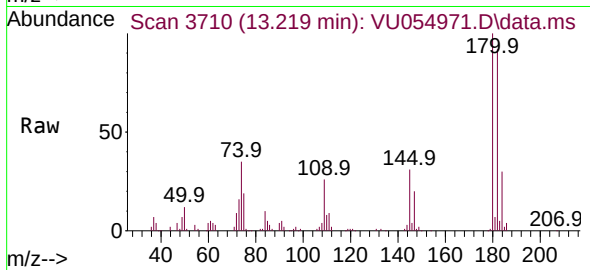
Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 81796

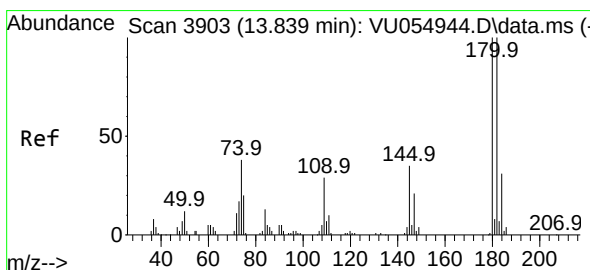
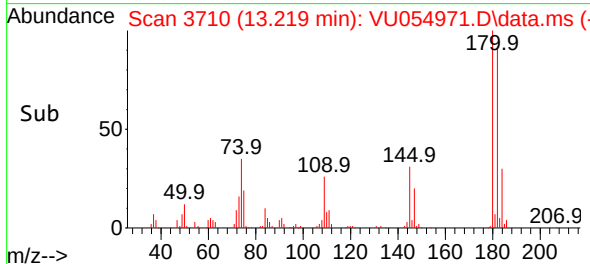
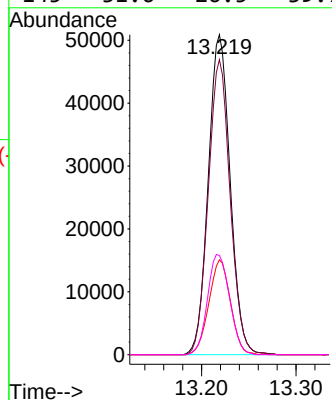
Ion Ratio Lower Upper

180 100

182 92.2 76.6 114.8

184 29.3 23.6 35.4

145 31.6 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 4.707 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU054971.D

Acq: 29 Aug 2023 21:07

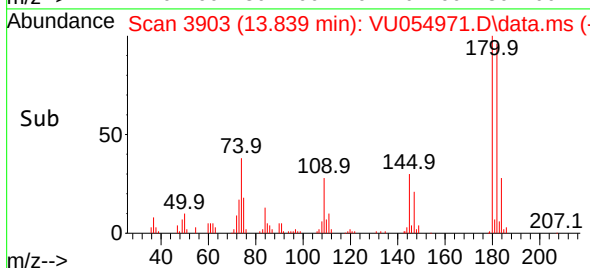
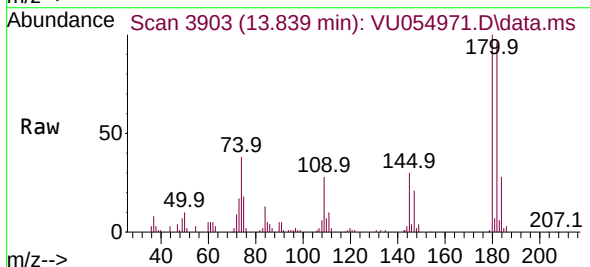
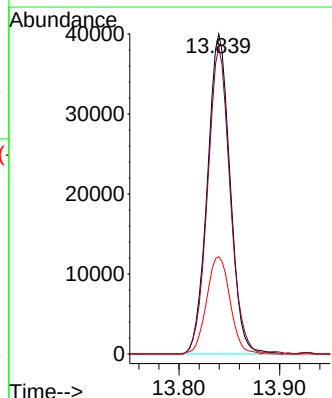
Tgt Ion:180 Resp: 62536

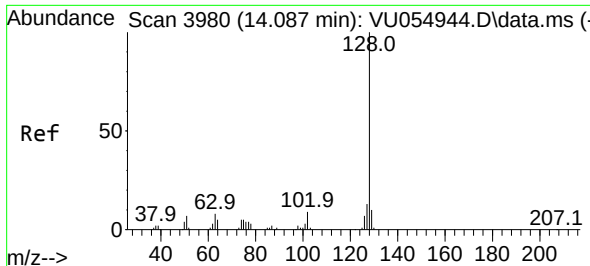
Ion Ratio Lower Upper

180 100

182 95.0 74.9 112.3

145 31.5 25.8 38.8

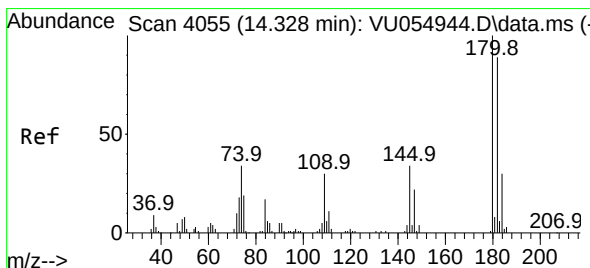
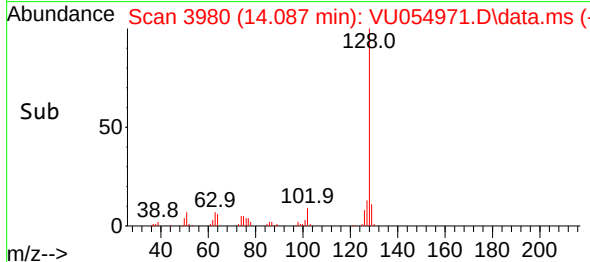
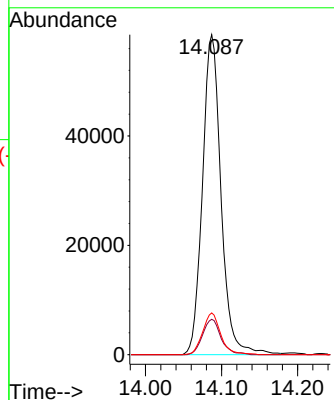
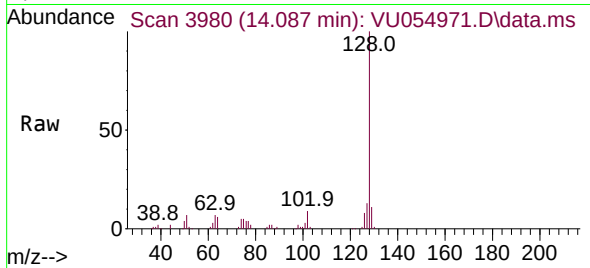




#71
Naphthalene
Concen: 4.974 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	12.7	9.3	13.9



#72
1,2,3-Trichlorobenzene
Concen: 5.041 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VU054971.D
Acq: 29 Aug 2023 21:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.7	116.5
145	35.9	28.1	42.1

