

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051923\
 Data File : VU054215.D
 Acq On : 19 May 2023 13:29
 Operator : JC/MD
 Sample : 02859-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C11G1

Quant Time: May 20 02:08:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 20 02:06:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	174150	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	167970	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	83257	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45887	4.887	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.912	69	36654	5.219	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.562	65	21296	5.022	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.633	46	90186	53.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.720%
24) Chloroform-d	5.057	84	87038	4.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.697	65	40963	5.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.723	84	171366	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.687	67	51128	5.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.893	98	151026	4.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.176	79	18809	4.710	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.629	63	63744	53.611	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.220%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36941	5.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	56315	5.543	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	3083	0.253	ug/L	94
12) 1,1-Dichloroethene	2.572	96	2033	0.191	ug/L #	1
17) Methyl tert-butyl Ether	3.356	73	3417	0.127	ug/L #	88
18) trans-1,2-Dichloroethene	3.350	96	1435	0.132	ug/L	80
19) 1,1-Dichloroethane	3.867	63	3020	0.139	ug/L	92
22) cis-1,2-Dichloroethene	4.668	96	1588	0.125	ug/L	82
29) 1,1,1-Trichloroethane	5.311	97	2761	0.131	ug/L	90
33) Benzene	5.771	78	5961	0.125	ug/L	100
38) Bromodichloromethane	7.099	83	1847	0.117	ug/L #	95
39) cis-1,3-Dichloropropene	7.604	75	2555	0.137	ug/L	90
45) 1,1,2-Trichloroethane	8.398	97	1273	0.142	ug/L	91
49) Dibromochloromethane	8.809	129	1390	0.138	ug/L	96
50) 1,2-Dibromoethane	8.919	107	999	0.121	ug/L #	78
51) Chlorobenzene	9.439	112	4751	0.140	ug/L	93
54) o-Xylene	10.095	106	2735	0.130	ug/L	66
62) 1,3,5-Trimethylbenzene	11.086	105	5066	0.122	ug/L	94
64) 1,3-Dichlorobenzene	11.742	146	3554	0.140	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 20 02:06:23 2023
Response via : Initial Calibration

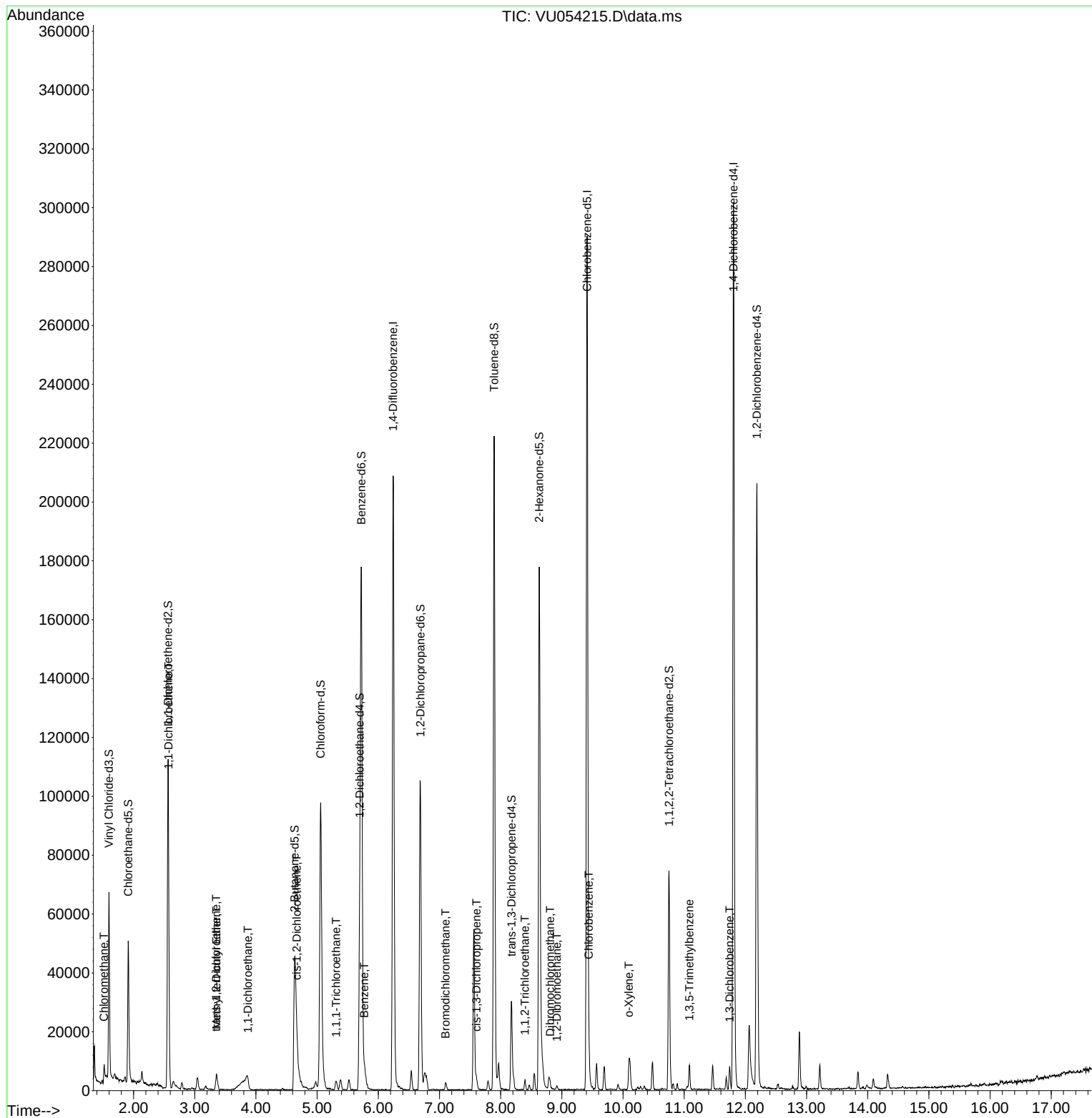
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

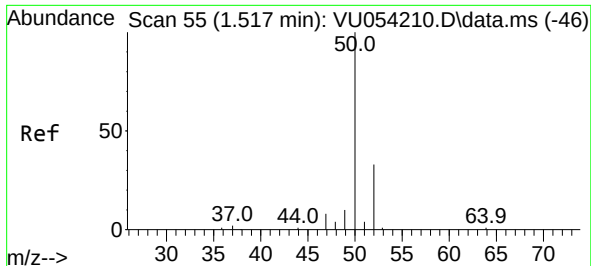
(#)= qualifier out of range (m) = manual integration (+) = signals summed						

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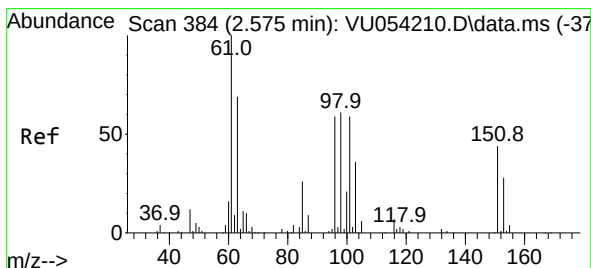
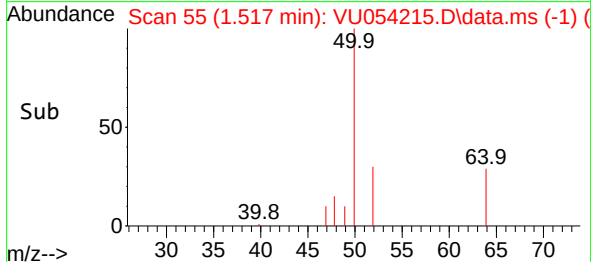
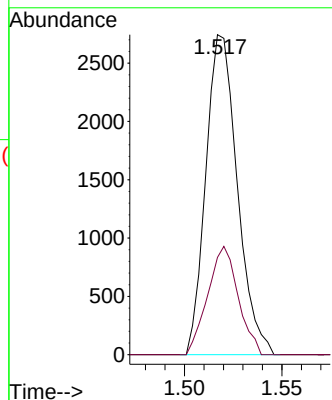
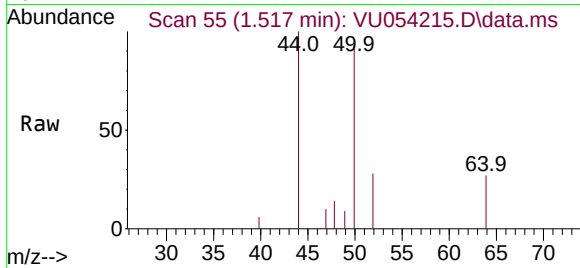




#3
Chloromethane
Concen: 0.253 ug/L
RT: 1.517 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

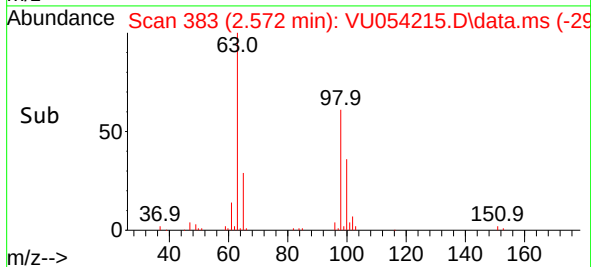
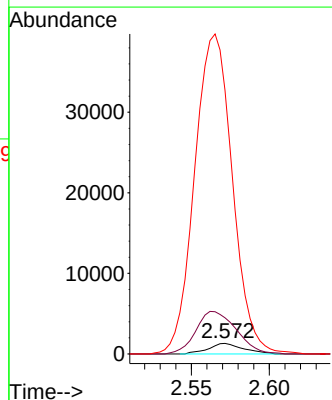
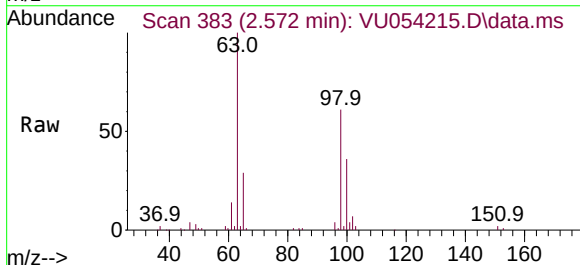
Instrument :
MSVOA_U
ClientSampleId :
C11G1

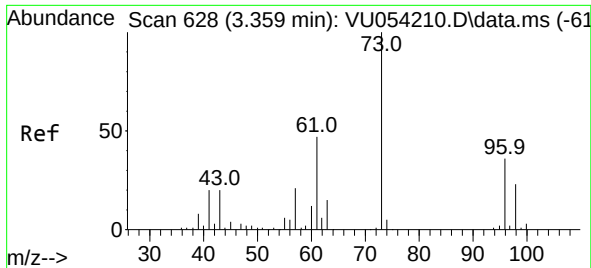
Tgt Ion: 50 Resp: 3083
Ion Ratio Lower Upper
50 100
52 30.4 23.7 44.1



#12
1,1-Dichloroethene
Concen: 0.191 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

Tgt Ion: 96 Resp: 2033
Ion Ratio Lower Upper
96 100
61 340.4 114.7 212.9#
63 2483.2 68.6 127.4#

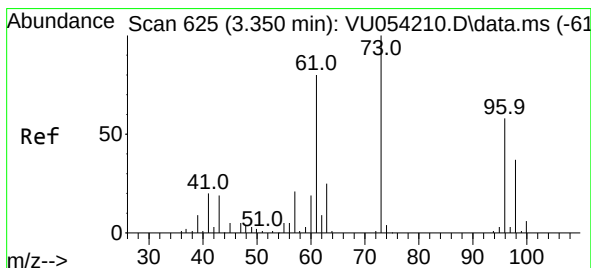
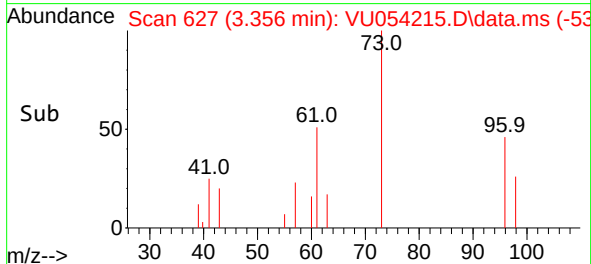
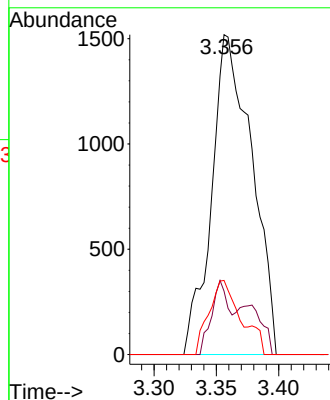
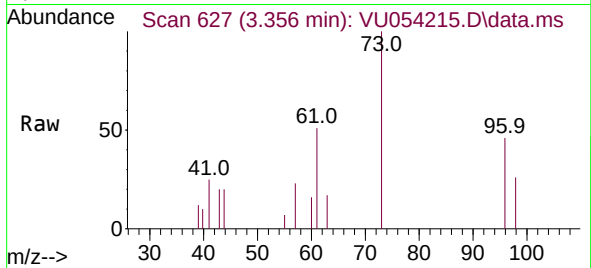




#17
Methyl tert-butyl Ether
Concen: 0.127 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

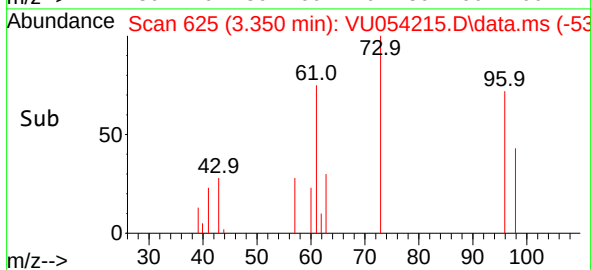
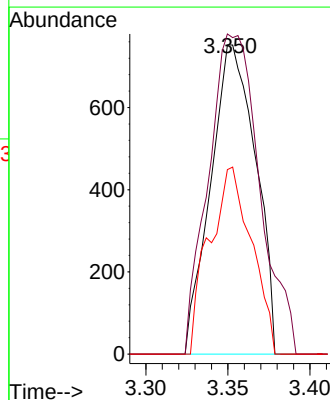
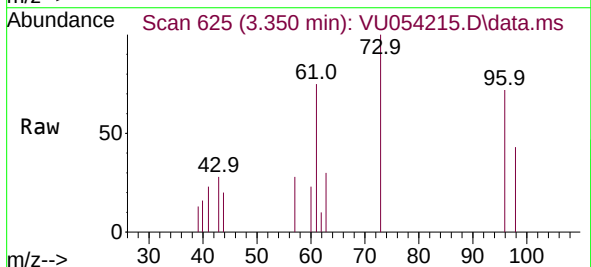
Instrument :
MSVOA_U
ClientSampleId :
C11G1

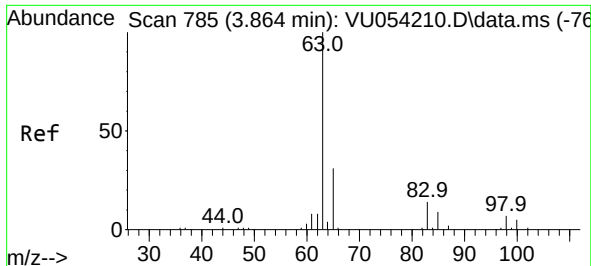
Tgt Ion: 73 Resp: 3417
Ion Ratio Lower Upper
73 100
43 10.0 14.6 22.0#
57 18.4 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.132 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

Tgt Ion: 96 Resp: 1435
Ion Ratio Lower Upper
96 100
61 103.6 94.1 174.8
98 59.7 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.139 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

Instrument :

MSVOA_U

ClientSampleId :

C11G1

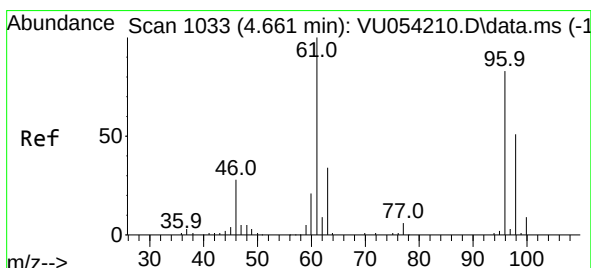
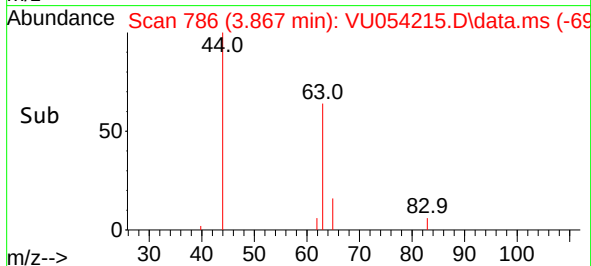
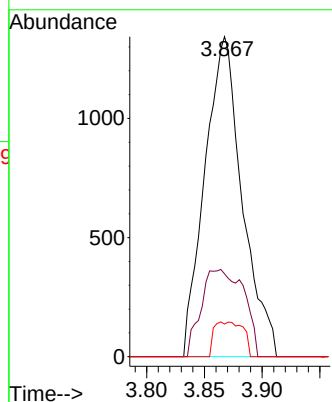
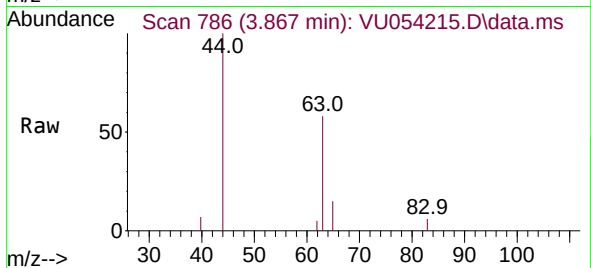
Tgt Ion: 63 Resp: 3020

Ion Ratio Lower Upper

63 100

65 25.9 20.7 38.5

83 10.2 10.1 18.7



#22

cis-1,2-Dichloroethene

Concen: 0.125 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

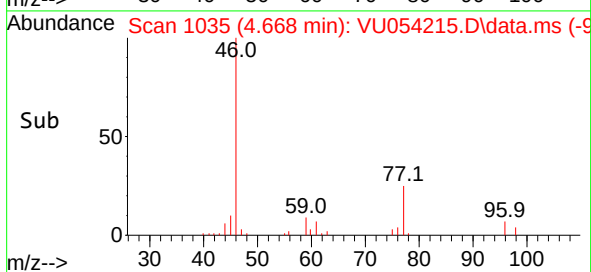
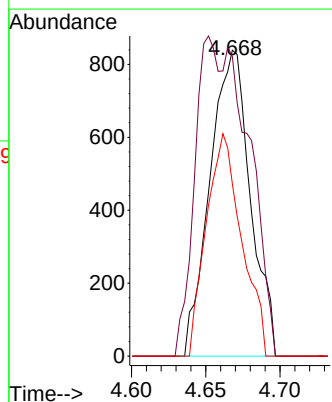
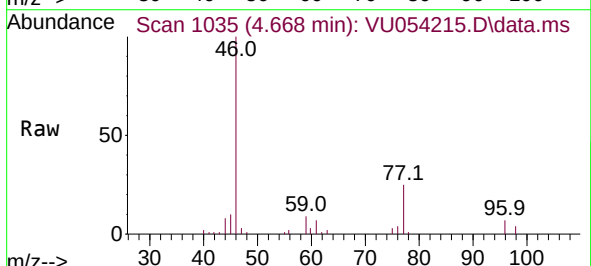
Tgt Ion: 96 Resp: 1588

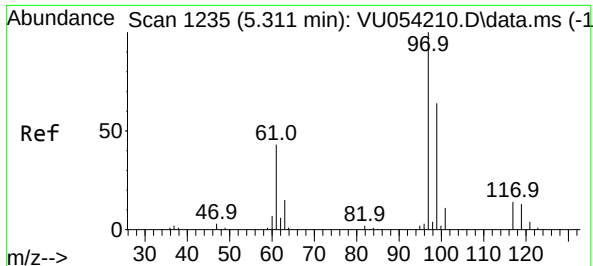
Ion Ratio Lower Upper

96 100

61 98.0 85.0 157.8

98 56.3 45.8 85.0





#29

1,1,1-Trichloroethane

Concen: 0.131 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

Instrument :

MSVOA_U

ClientSampleId :

C11G1

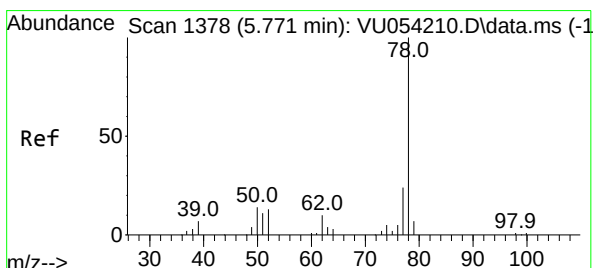
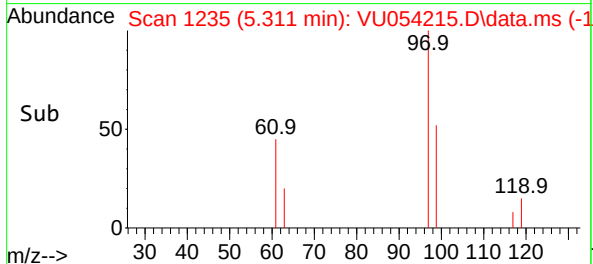
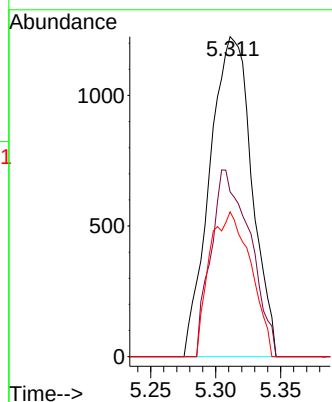
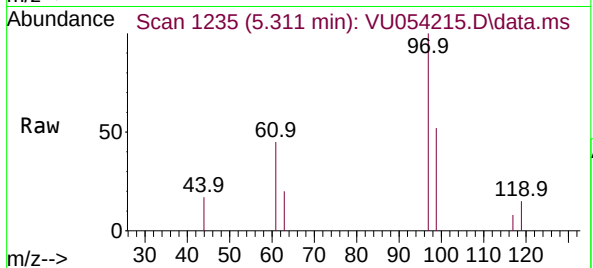
Tgt Ion: 97 Resp: 2761

Ion Ratio Lower Upper

97 100

99 54.2 51.8 77.6

61 44.1 33.4 50.2



#33

Benzene

Concen: 0.125 ug/L

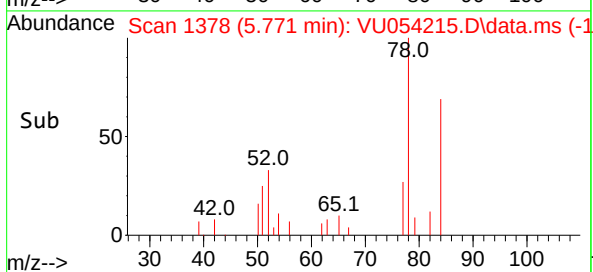
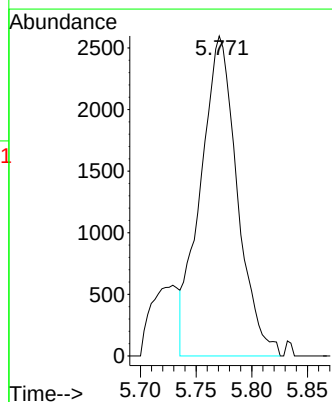
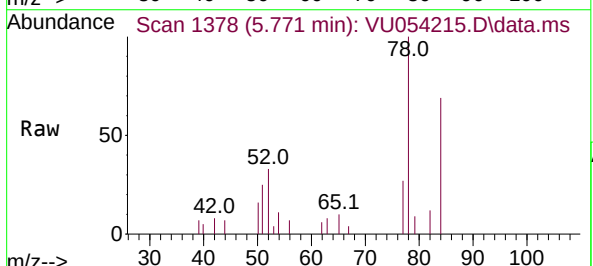
RT: 5.771 min Scan# 1378

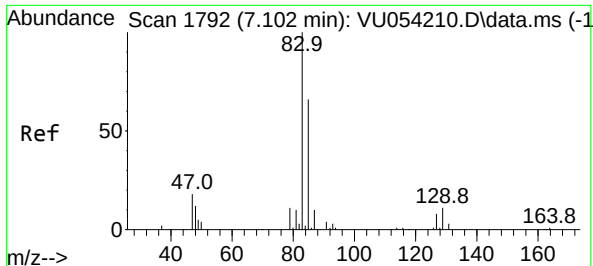
Delta R.T. 0.000 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

Tgt Ion: 78 Resp: 5961





#38

Bromodichloromethane

Concen: 0.117 ug/L

RT: 7.099 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

Instrument :

MSVOA_U

ClientSampleId :

C11G1

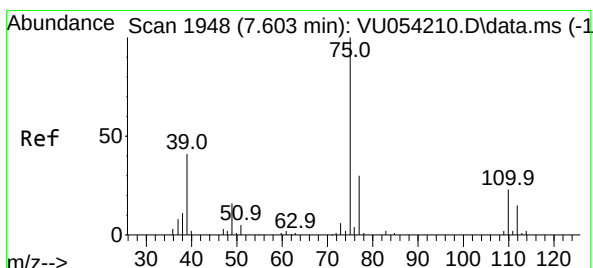
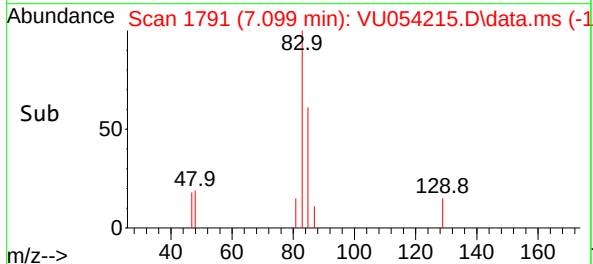
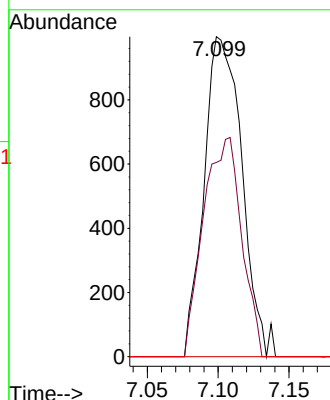
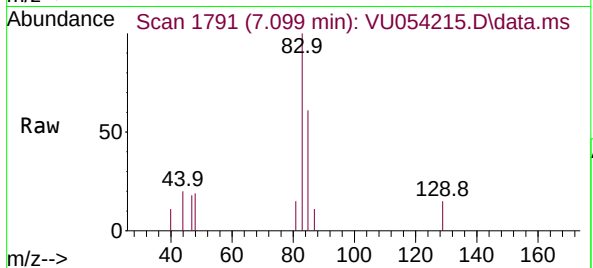
Tgt Ion: 83 Resp: 1847

Ion Ratio Lower Upper

83 100

85 60.7 44.2 82.0

127 0.0 6.6 9.8#



#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU054215.D

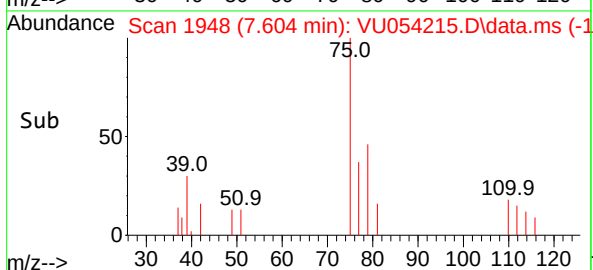
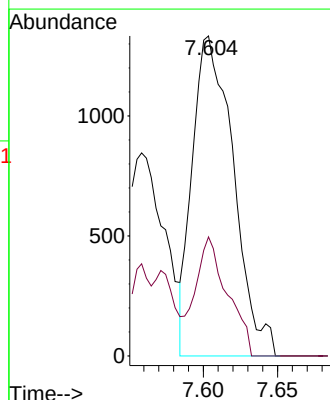
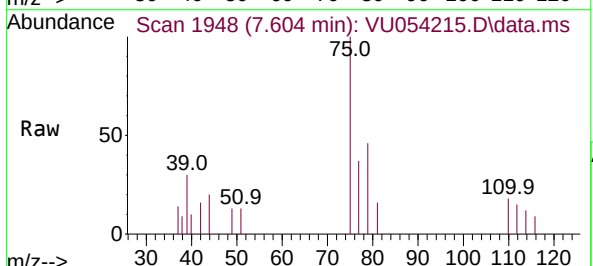
Acq: 19 May 2023 13:29

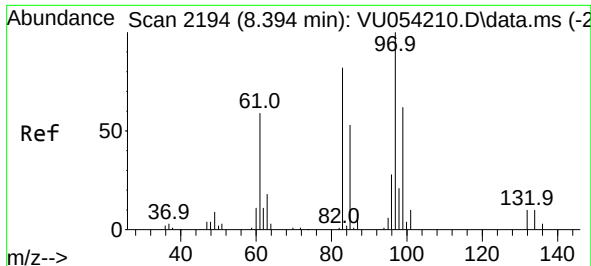
Tgt Ion: 75 Resp: 2555

Ion Ratio Lower Upper

75 100

77 37.2 22.1 41.1

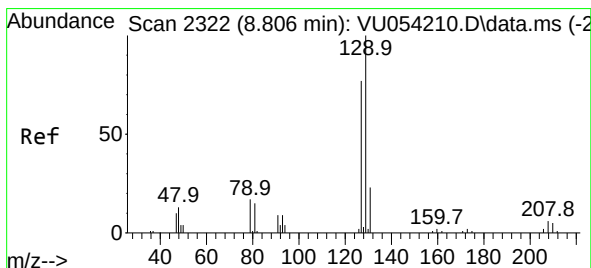
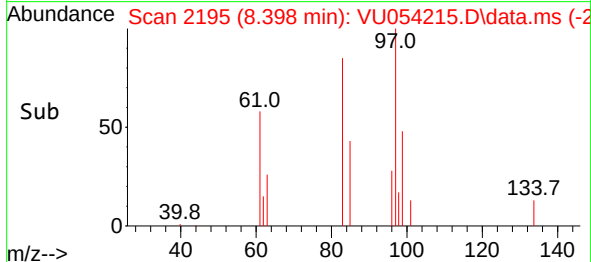
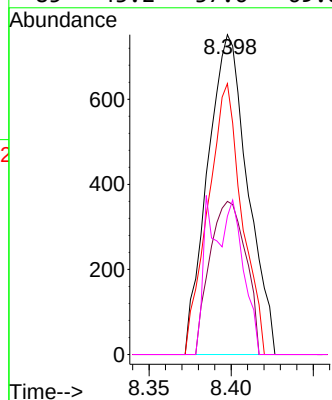
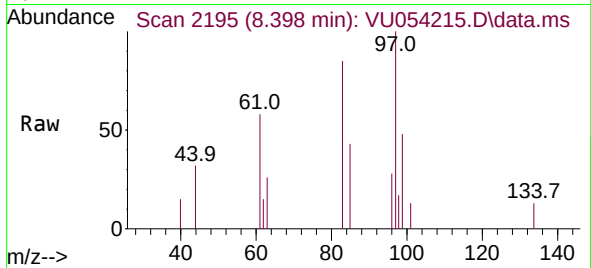




#45
1,1,2-Trichloroethane
Concen: 0.142 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

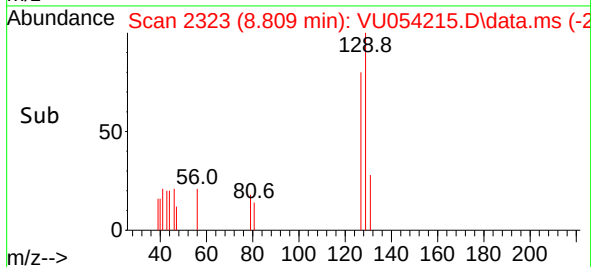
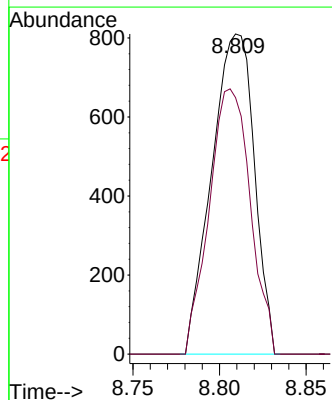
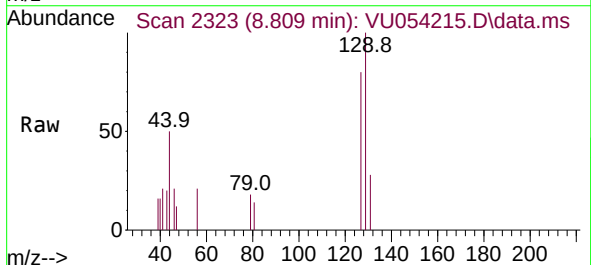
Instrument :
MSVOA_U
ClientSampleId :
C11G1

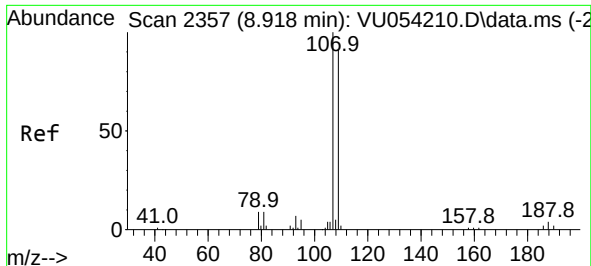
Tgt Ion: 97	Resp:	1273	
Ion	Ratio	Lower	Upper
97	100		
99	47.9	43.0	79.8
83	84.7	59.1	109.9
85	43.2	37.6	69.8



#49
Dibromochloromethane
Concen: 0.138 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

Tgt Ion:129	Resp:	1390	
Ion	Ratio	Lower	Upper
129	100		
127	80.1	53.6	99.6





#50

1,2-Dibromoethane

Concen: 0.121 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

Instrument :

MSVOA_U

ClientSampleId :

C11G1

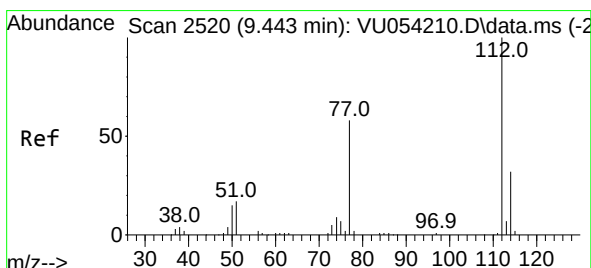
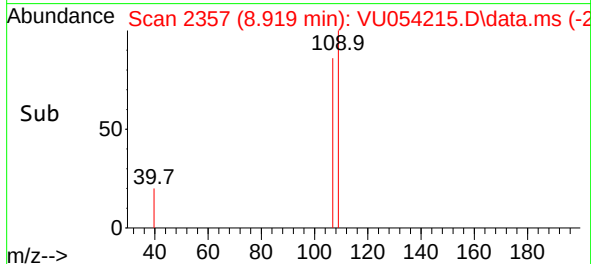
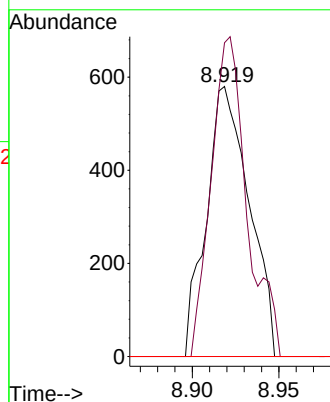
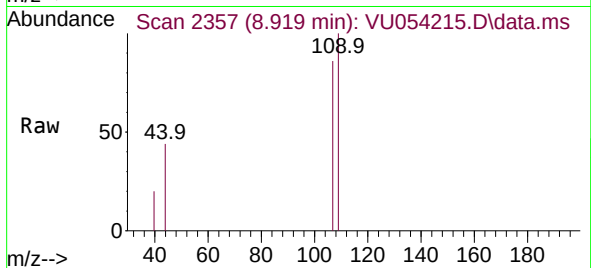
Tgt Ion:107 Resp: 999

Ion Ratio Lower Upper

107 100

109 116.2 66.4 123.2

188 0.0 3.8 5.6#



#51

Chlorobenzene

Concen: 0.140 ug/L

RT: 9.439 min Scan# 2519

Delta R.T. -0.003 min

Lab File: VU054215.D

Acq: 19 May 2023 13:29

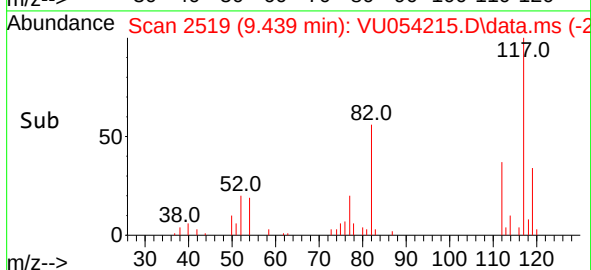
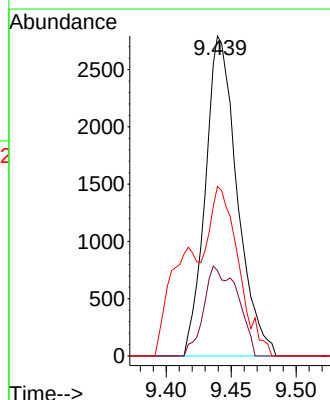
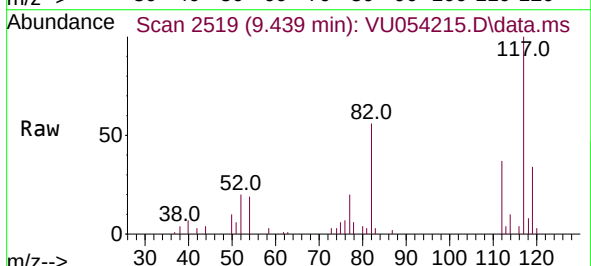
Tgt Ion:112 Resp: 4751

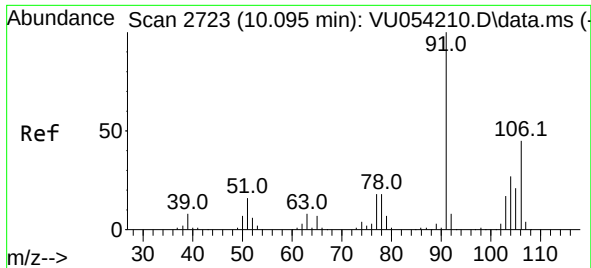
Ion Ratio Lower Upper

112 100

114 26.6 22.4 41.6

77 52.9 46.1 69.1

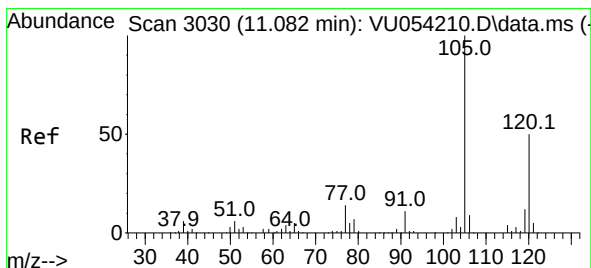
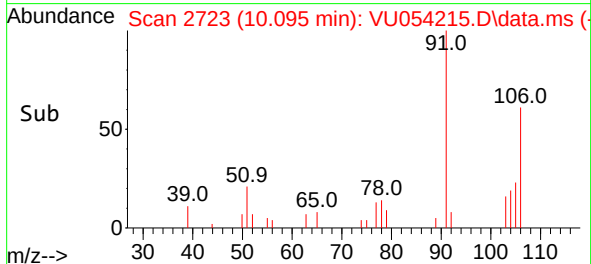
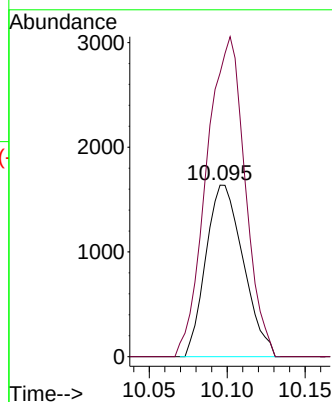
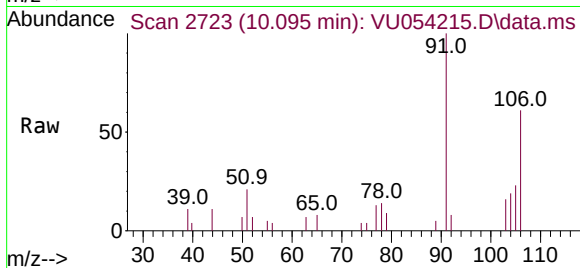




#54
o-Xylene
Concen: 0.130 ug/L
RT: 10.095 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

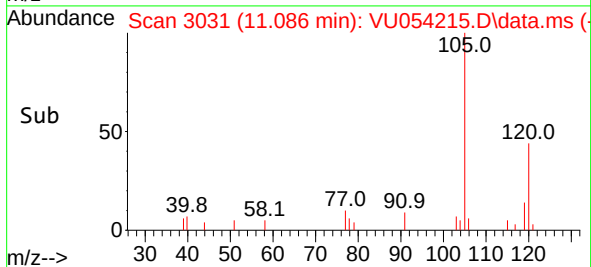
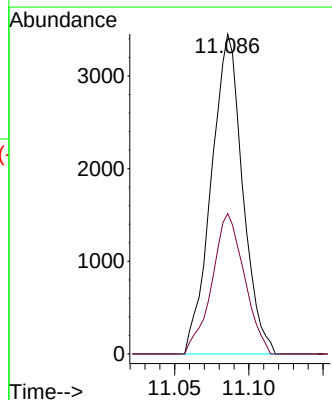
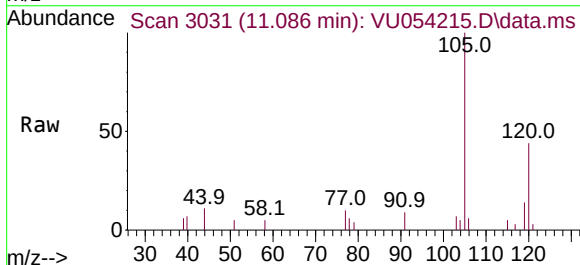
Instrument :
MSVOA_U
ClientSampleId :
C11G1

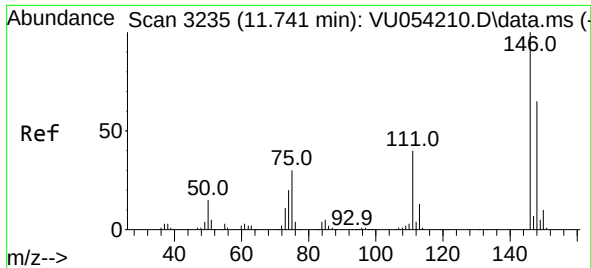
Tgt Ion:106 Resp: 2735
Ion Ratio Lower Upper
106 100
91 165.3 153.6 285.3



#62
1,3,5-Trimethylbenzene
Concen: 0.122 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU054215.D
Acq: 19 May 2023 13:29

Tgt Ion:105 Resp: 5066
Ion Ratio Lower Upper
105 100
120 45.3 39.4 59.0





#64

1,3-Dichlorobenzene

Concen: 0.140 ug/L

RT: 11.742 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054215.D

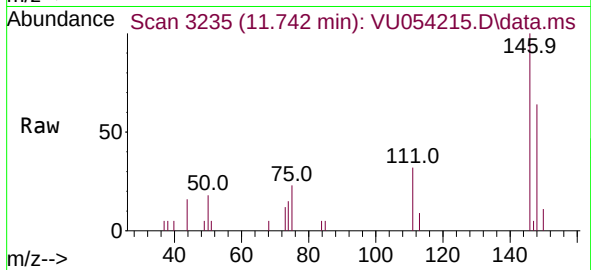
Acq: 19 May 2023 13:29

Instrument :

MSVOA_U

ClientSampleId :

C11G1



Tgt Ion:146 Resp: 3554

Ion Ratio Lower Upper

146 100

111 32.1 27.8 51.6

148 64.1 44.4 82.4

