

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053415.D
 Acq On : 25 Mar 2023 01:37
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 01:52:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:39:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	141867	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136314	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	69614	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47332	4.850	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.000%
7) Chloroethane-d5	1.916	69	43409	4.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.565	65	20094	4.833	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	4.636	46	119093	53.267	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.540%
24) Chloroform-d	5.057	84	94651	5.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.697	65	47065	5.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.722	84	191954	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.687	67	58649	4.982	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.893	98	180837	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	8.176	79	21101	4.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.629	63	90344	49.238	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	50506	5.155	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	64746	5.170	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	51351	5.044	ug/L	98
3) Chloromethane	1.520	50	48282	4.714	ug/L	100
5) Vinyl chloride	1.604	62	56309	4.876	ug/L	99
6) Bromomethane	1.858	94	35893	4.907	ug/L	91
8) Chloroethane	1.935	64	33670	5.016	ug/L	93
9) Trichlorofluoromethane	2.137	101	79877	4.580	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	42810	4.843	ug/L	100
12) 1,1-Dichloroethene	2.578	96	39083	4.866	ug/L	96
13) Acetone	2.658	43	56484	42.571	ug/L #	49
14) Carbon disulfide	2.793	76	113940	4.833	ug/L	100
15) Methyl Acetate	2.954	43	16846	5.412	ug/L	99
16) Methylene chloride	3.044	84	59254	5.617	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	97260	4.995	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	39983	4.792	ug/L	97
19) 1,1-Dichloroethane	3.867	63	78760	5.124	ug/L	97
21) 2-Butanone	4.713	43	95238	46.227	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	46898	4.172	ug/L	91
23) Bromochloromethane	4.970	128	19576	4.920	ug/L	96
25) Chloroform	5.086	83	77995	4.933	ug/L	98

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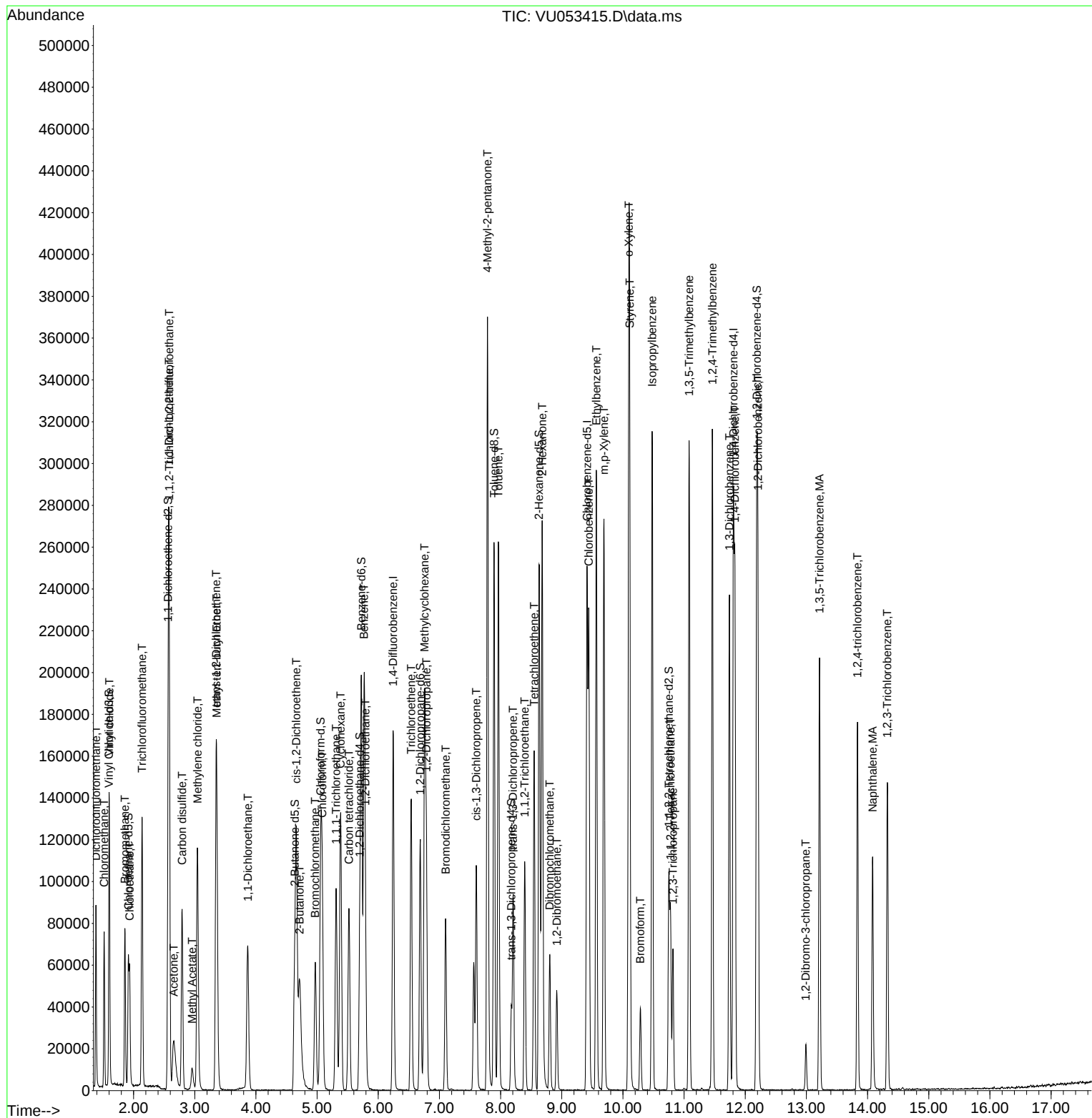
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	50991	5.149	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	68090	5.060	ug/L	99
30) Cyclohexane	5.385	56	67502	4.708	ug/L	99
31) Carbon tetrachloride	5.520	117	54568	4.792	ug/L	97
33) Benzene	5.767	78	178397	4.885	ug/L	100
34) Trichloroethene	6.539	95	46437	4.774	ug/L	96
35) Methylcyclohexane	6.758	83	78698	4.715	ug/L	98
37) 1,2-Dichloropropane	6.787	63	45256	4.693	ug/L	99
38) Bromodichloromethane	7.102	83	53081	4.956	ug/L #	97
39) cis-1,3-Dichloropropene	7.603	75	67977	4.771	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	226716	48.040	ug/L	99
42) Toluene	7.964	91	197020	4.937	ug/L	95
44) trans-1,3-Dichloropropene	8.205	75	55416	4.780	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	33819	4.939	ug/L	94
47) Tetrachloroethene	8.549	164	33728	4.720	ug/L	96
48) 2-Hexanone	8.681	43	162649	46.611	ug/L	98
49) Dibromochloromethane	8.803	129	32623	4.818	ug/L	96
50) 1,2-Dibromoethane	8.918	107	32193	4.868	ug/L #	91
51) Chlorobenzene	9.443	112	124300	4.938	ug/L	100
52) Ethylbenzene	9.565	91	213003	4.896	ug/L	99
53) m,p-Xylene	9.690	106	83198	5.017	ug/L	98
54) o-Xylene	10.095	106	78371	4.981	ug/L	97
55) Styrene	10.111	104	130498	5.051	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	40918	4.732	ug/L	93
59) Bromoform	10.285	173	17256	4.814	ug/L	95
60) Isopropylbenzene	10.478	105	212479	5.025	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	28501	4.941	ug/L	97
62) 1,3,5-Trimethylbenzene	11.082	105	173231	5.049	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	172304	4.903	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	94145	5.064	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	94052	5.038	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	87824	4.983	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.989	75	5904	5.279	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.214	180	61468	4.736	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	50402	4.885	ug/L	98
71) Naphthalene	14.082	128	93359	4.802	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	43891	4.873	ug/L	97

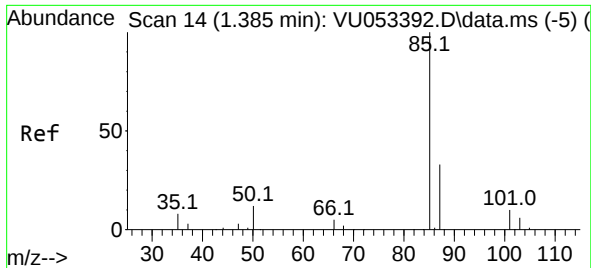
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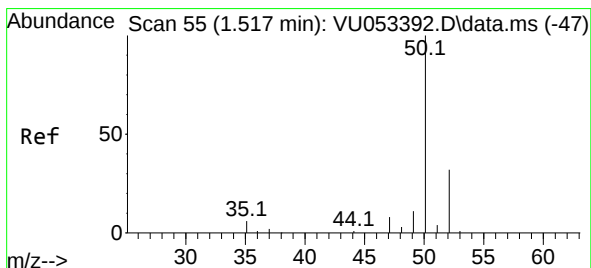
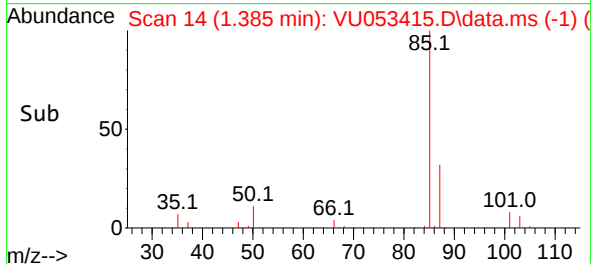
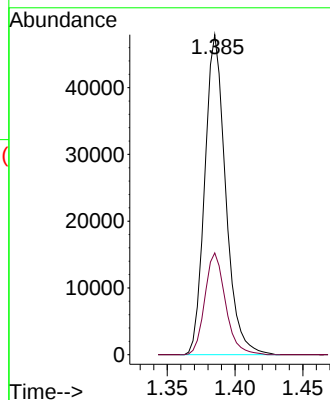
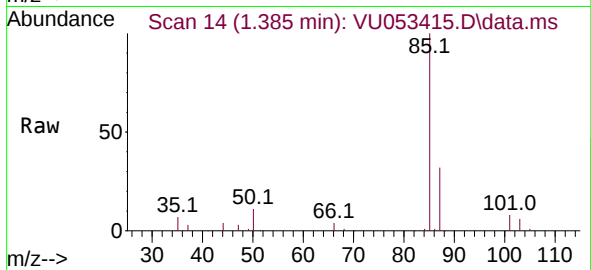




#2
Dichlorodifluoromethane
Concen: 5.044 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

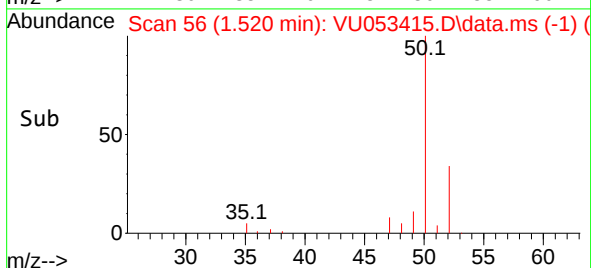
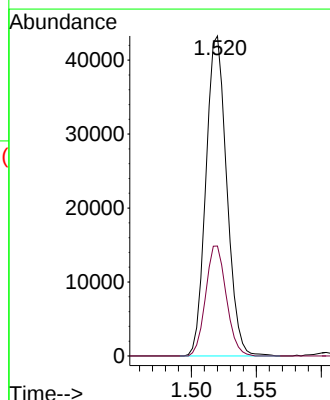
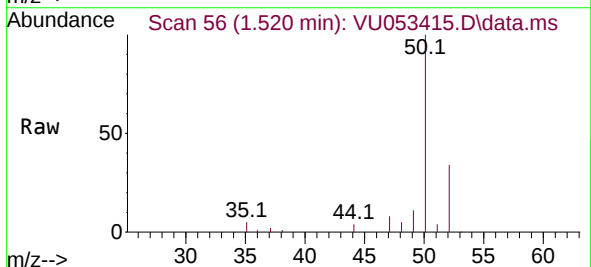
Instrument :
MSVOA_U
ClientSampleId :

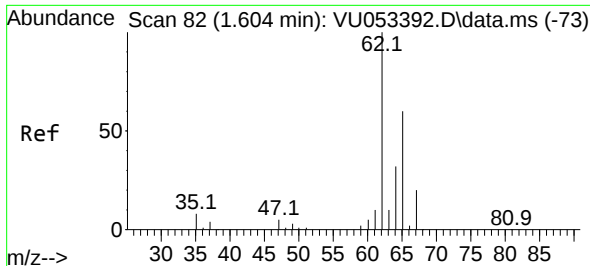
Tgt Ion: 85 Resp: 51351
Ion Ratio Lower Upper
85 100
87 31.4 26.1 39.1



#3
Chloromethane
Concen: 4.714 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 50 Resp: 48282
Ion Ratio Lower Upper
50 100
52 34.4 23.9 44.3

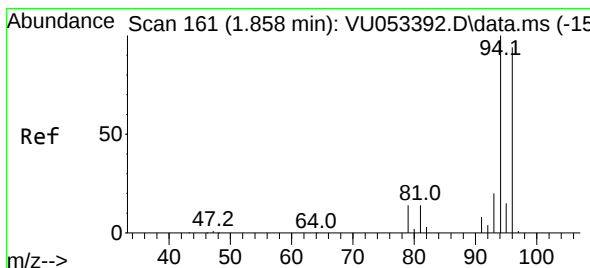
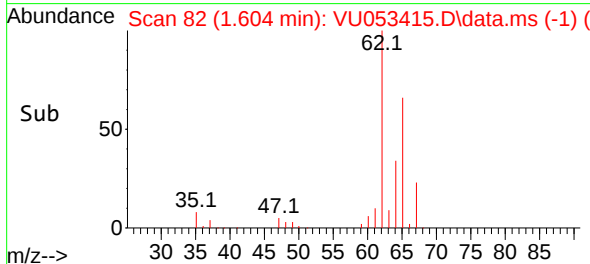
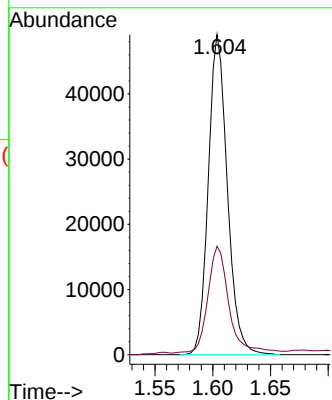
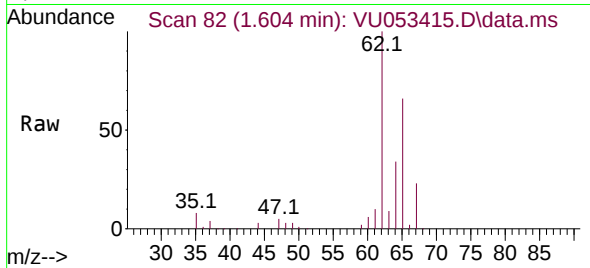




#5
 Vinyl chloride
 Concen: 4.876 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

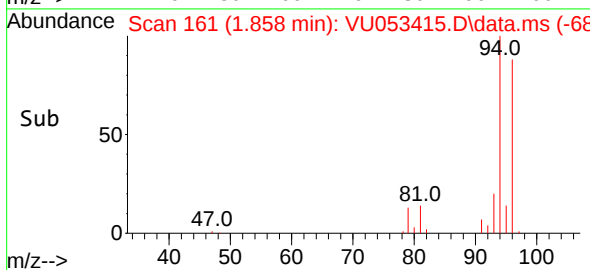
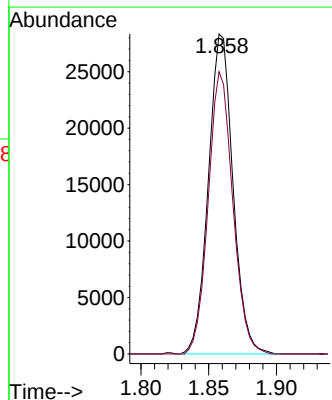
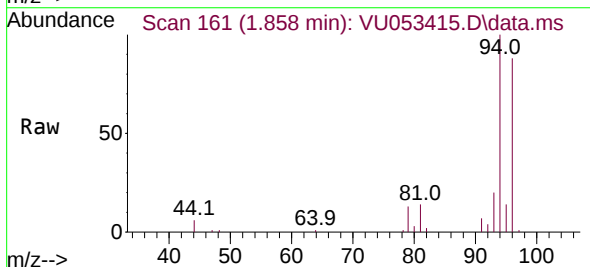
Instrument :
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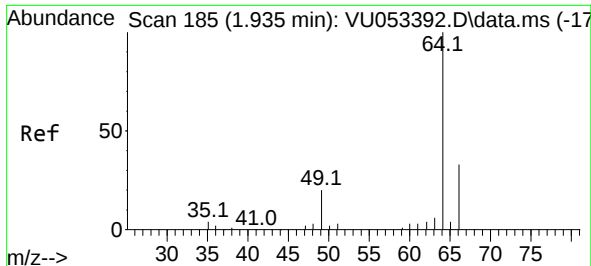
Tgt Ion: 62 Resp: 56309
 Ion Ratio Lower Upper
 62 100
 64 33.8 24.1 44.7



#6
 Bromomethane
 Concen: 4.907 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

Tgt Ion: 94 Resp: 35893
 Ion Ratio Lower Upper
 94 100
 96 88.2 68.3 126.8

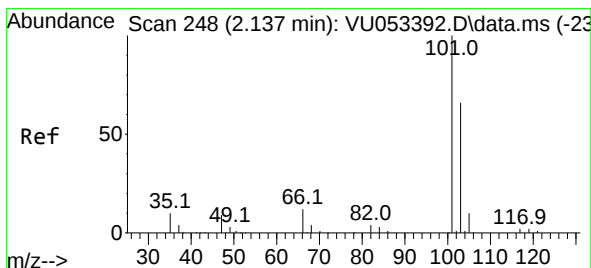
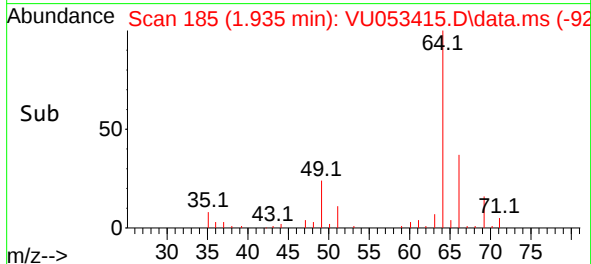
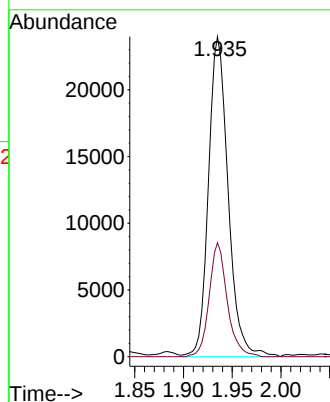
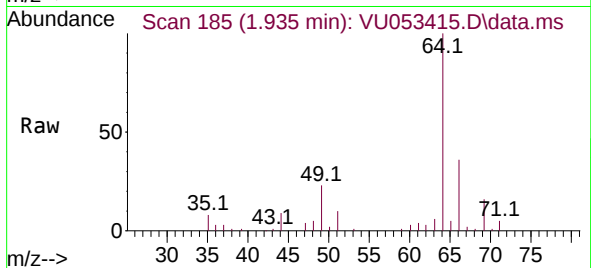




#8
Chloroethane
Concen: 5.016 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

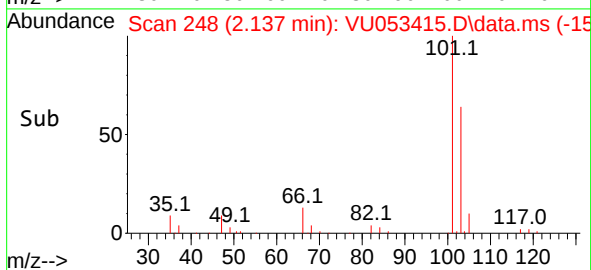
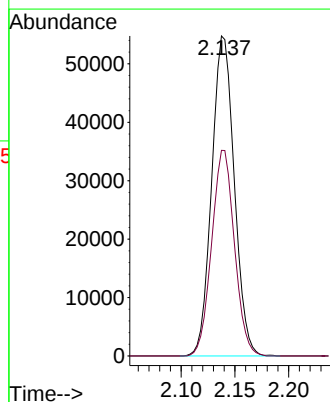
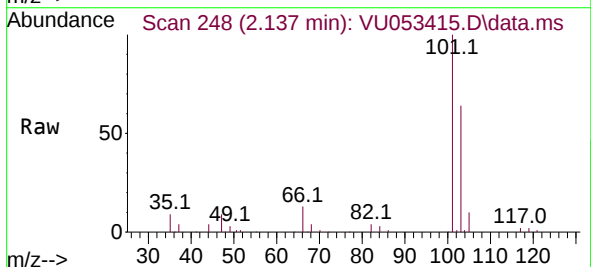
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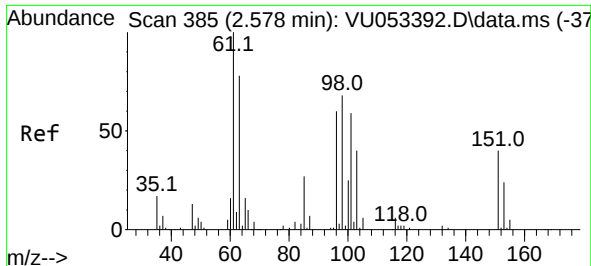
Tgt Ion: 64 Resp: 33670
Ion Ratio Lower Upper
64 100
66 35.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.580 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:101 Resp: 79877
Ion Ratio Lower Upper
101 100
103 64.9 50.2 75.2

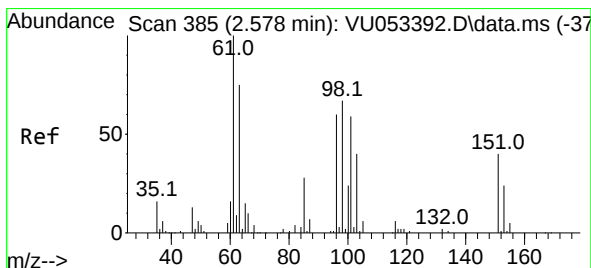
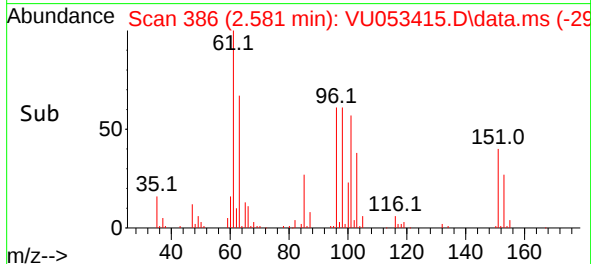
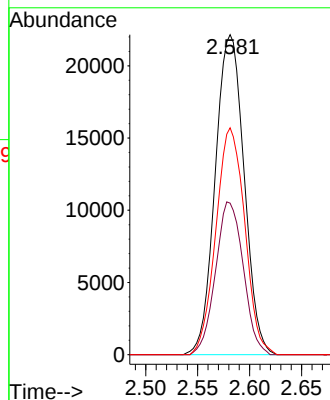
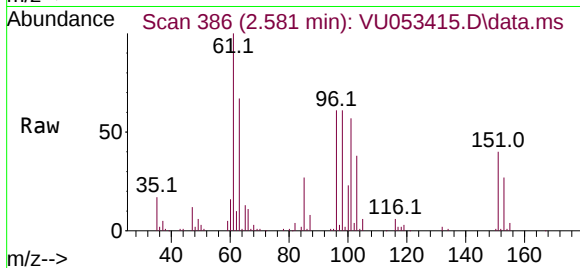




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.843 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

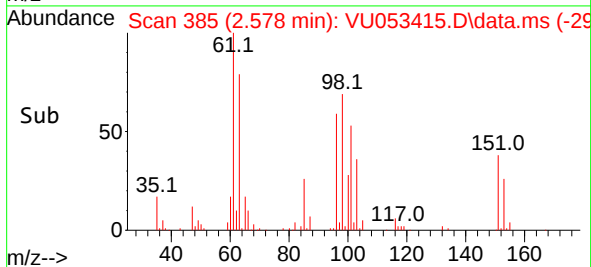
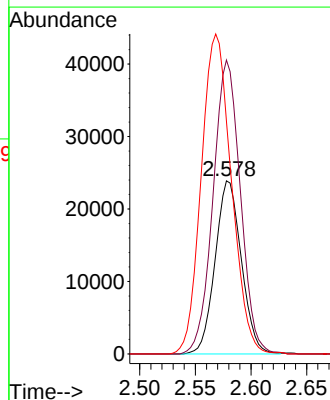
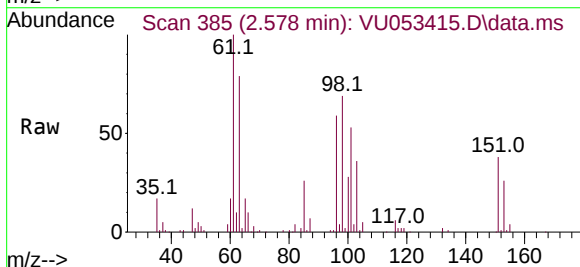
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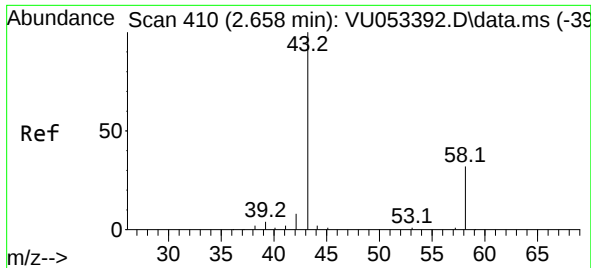
Tgt Ion:101 Resp: 42810
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.0 55.4
 151 70.9 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 4.866 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

Tgt Ion: 96 Resp: 39083
 Ion Ratio Lower Upper
 96 100
 61 169.8 116.8 216.8
 63 134.5 88.6 164.6





#13

Acetone

Concen: 42.571 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

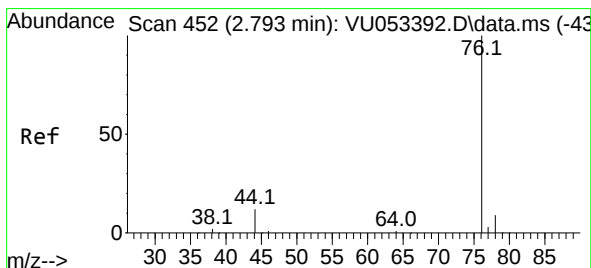
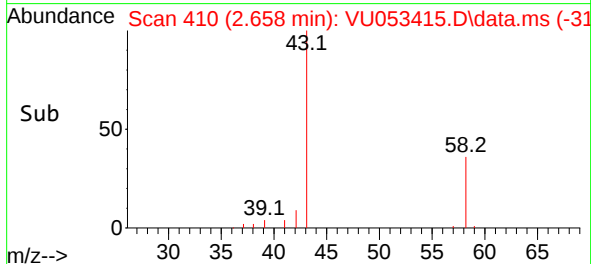
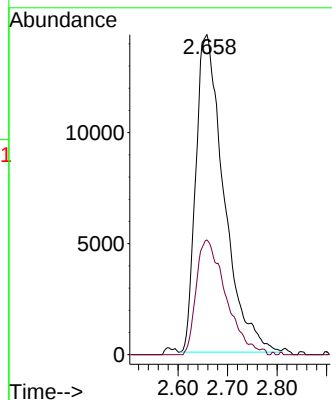
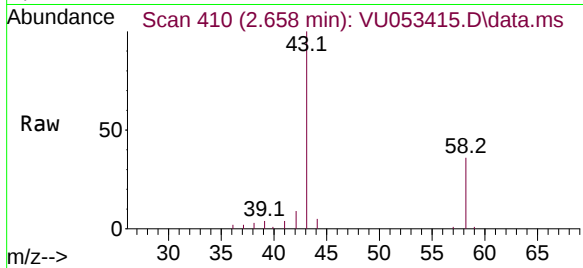
ClientSampleId :

Tgt Ion: 43 Resp: 56484

Ion Ratio Lower Upper

43 100

58 37.8 0.0 32.2#



#14

Carbon disulfide

Concen: 4.833 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

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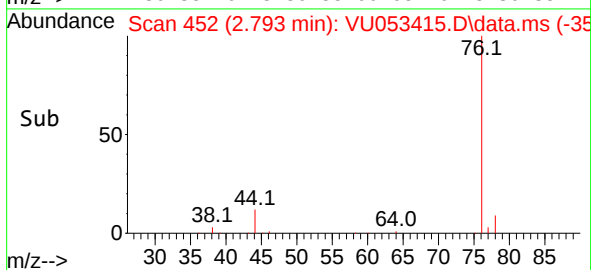
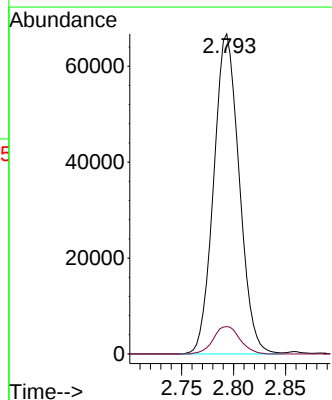
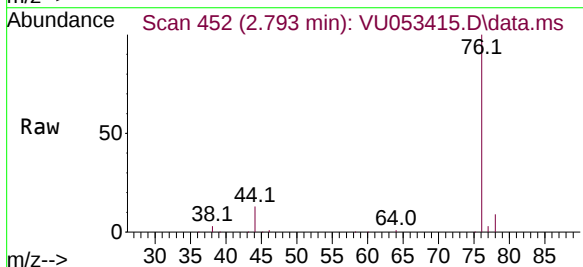
Acq: 25 Mar 2023 01:37

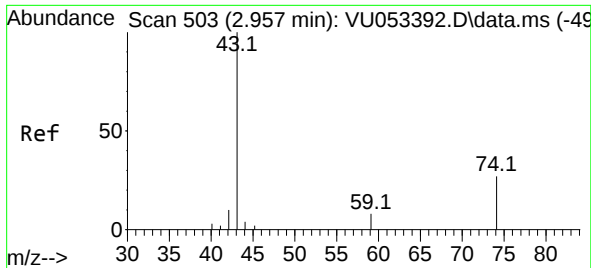
Tgt Ion: 76 Resp: 113940

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4

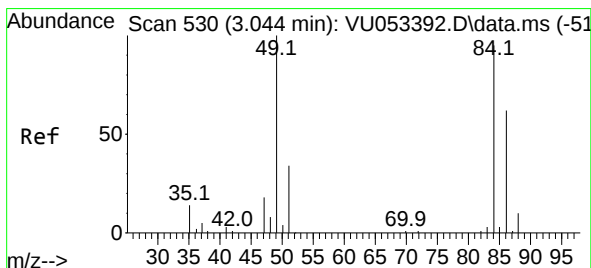
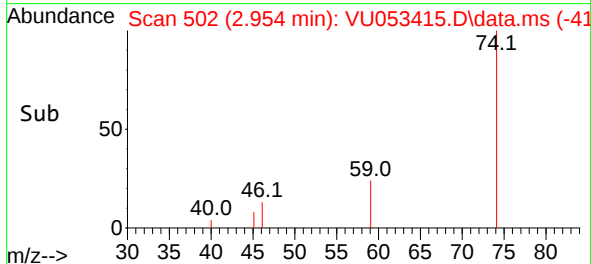
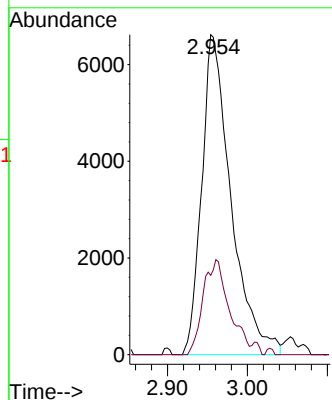
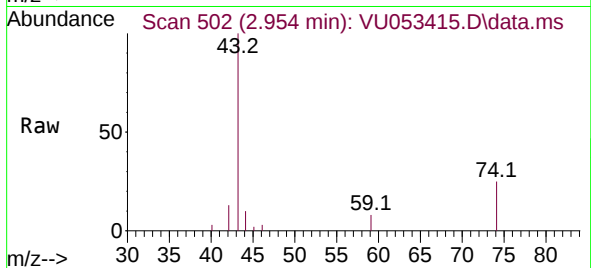




#15
Methyl Acetate
Concen: 5.412 ug/L
RT: 2.954 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

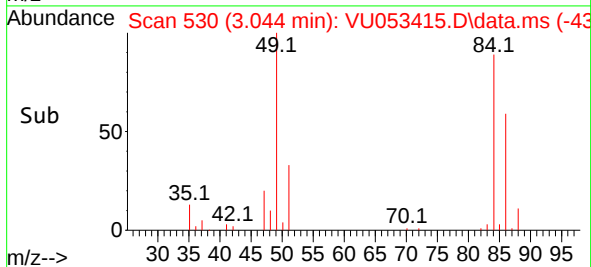
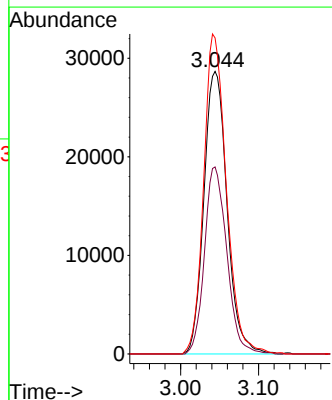
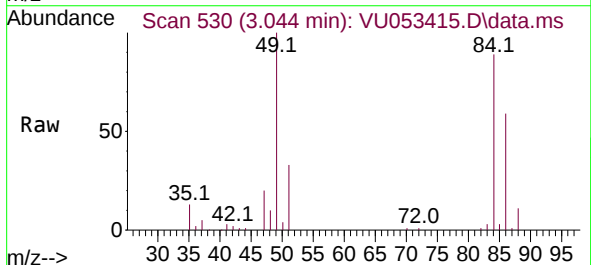
Instrument :
MSVOA_U
ClientSampleId :

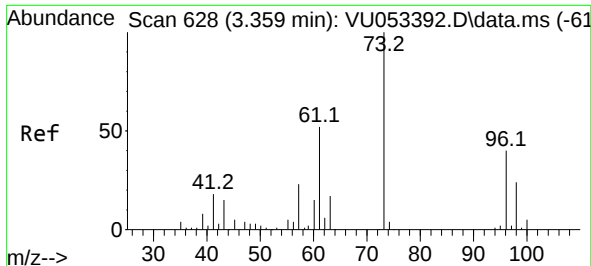
Tgt Ion: 43 Resp: 16846
Ion Ratio Lower Upper
43 100
74 26.4 20.8 31.2



#16
Methylene chloride
Concen: 5.617 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 84 Resp: 59254
Ion Ratio Lower Upper
84 100
86 66.2 44.7 83.1
49 111.9 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 4.995 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

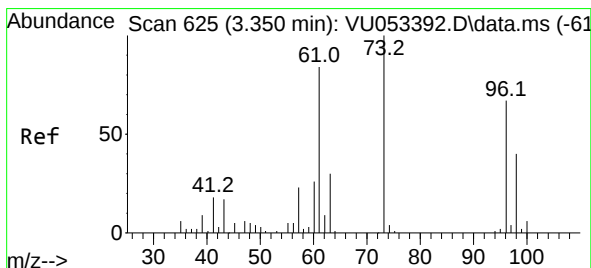
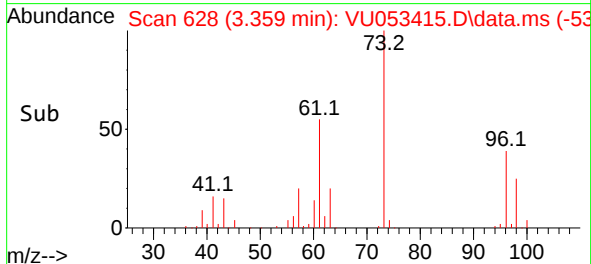
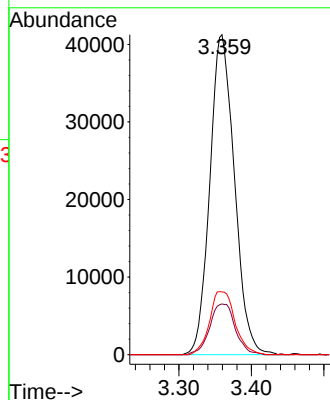
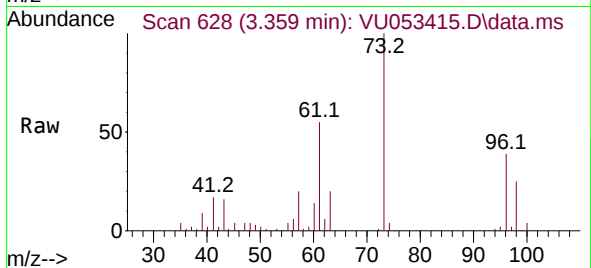
Tgt Ion: 73 Resp: 97260

Ion Ratio Lower Upper

73 100

43 16.5 13.9 20.9

57 20.5 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.792 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

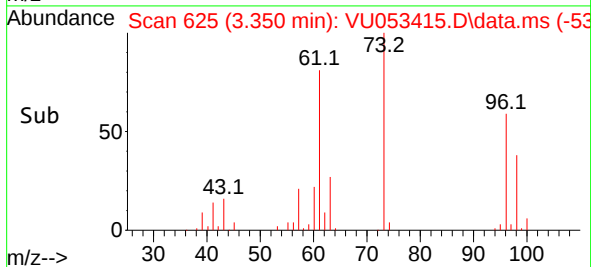
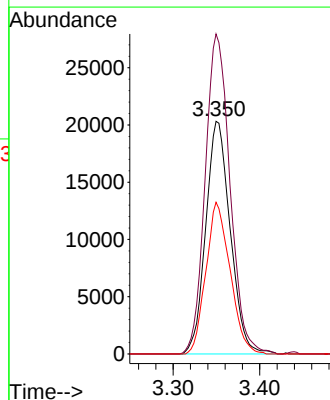
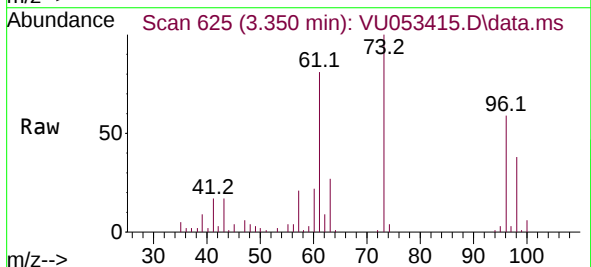
Tgt Ion: 96 Resp: 39983

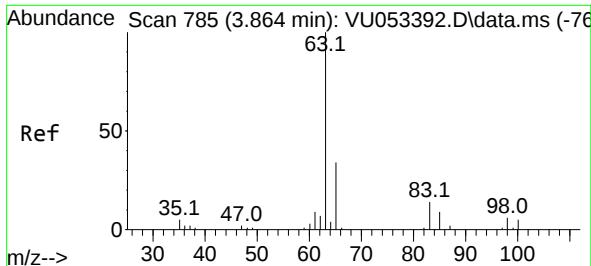
Ion Ratio Lower Upper

96 100

61 137.5 95.5 177.3

98 65.2 42.2 78.4





#19

1,1-Dichloroethane

Concen: 5.124 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

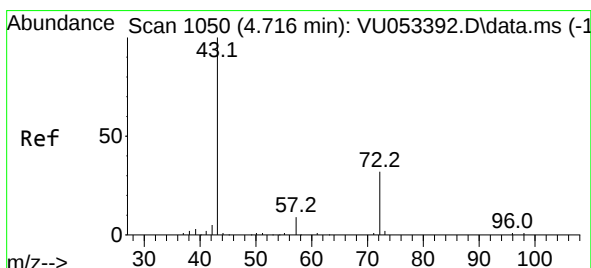
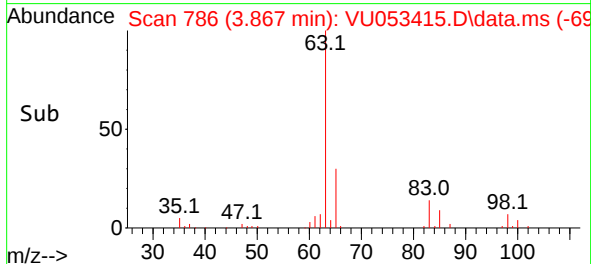
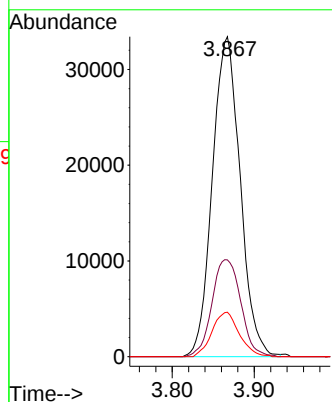
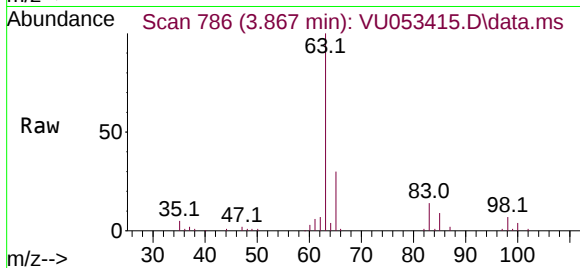
Tgt Ion: 63 Resp: 78760

Ion Ratio Lower Upper

63 100

65 30.3 21.7 40.3

83 13.9 8.1 15.1



#21

2-Butanone

Concen: 46.227 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU053415.D

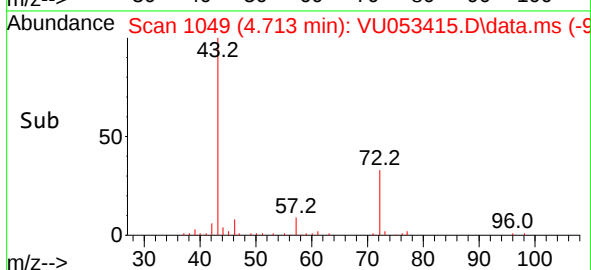
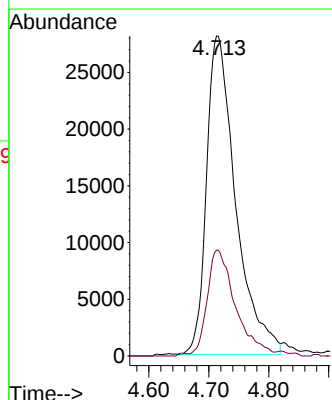
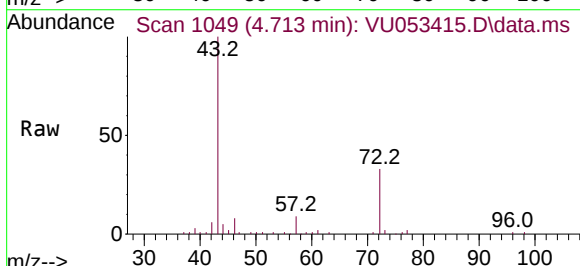
Acq: 25 Mar 2023 01:37

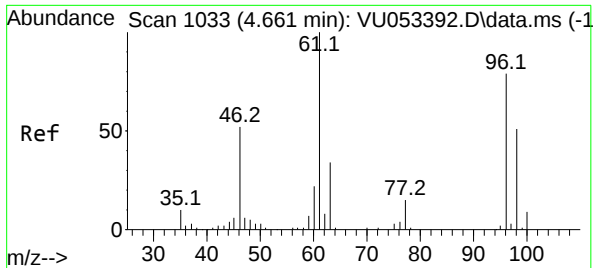
Tgt Ion: 43 Resp: 95238

Ion Ratio Lower Upper

43 100

72 31.1 16.2 48.6





#22

cis-1,2-Dichloroethene

Concen: 4.172 ug/L

RT: 4.661 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

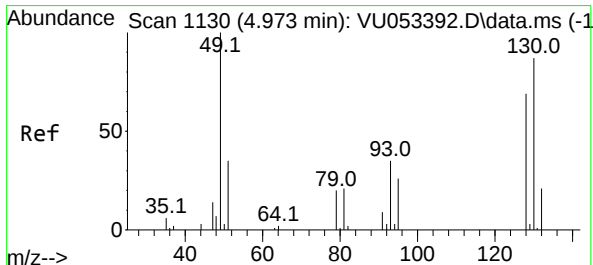
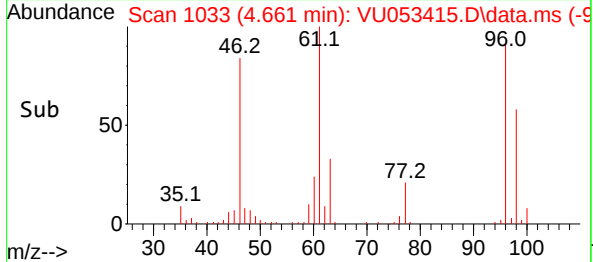
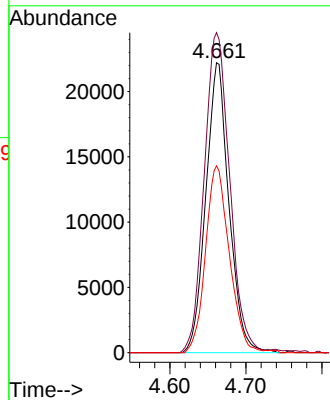
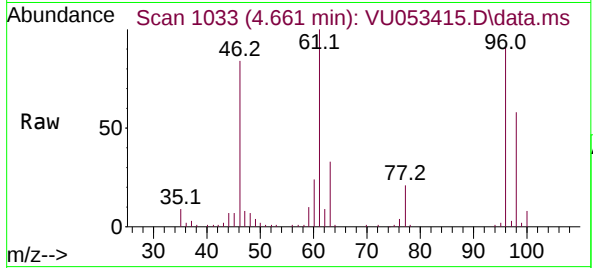
Tgt Ion: 96 Resp: 46898

Ion Ratio Lower Upper

96 100

61 110.4 86.6 160.8

98 64.4 47.7 88.5



#23

Bromochloromethane

Concen: 4.920 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Tgt Ion:128 Resp: 19576

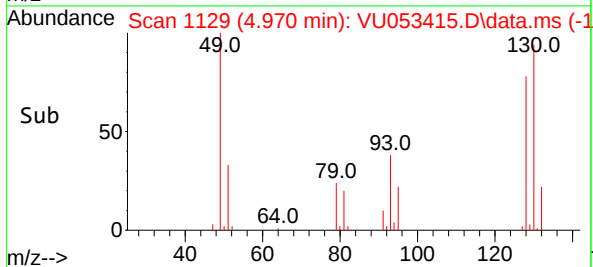
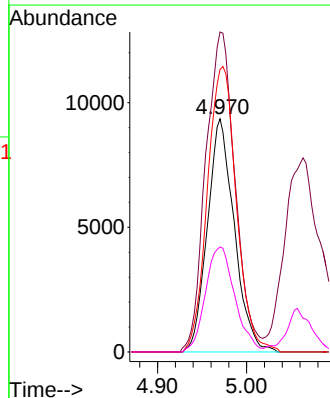
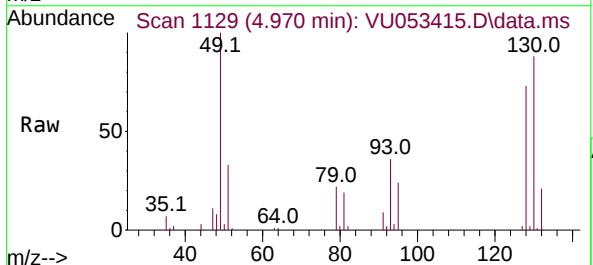
Ion Ratio Lower Upper

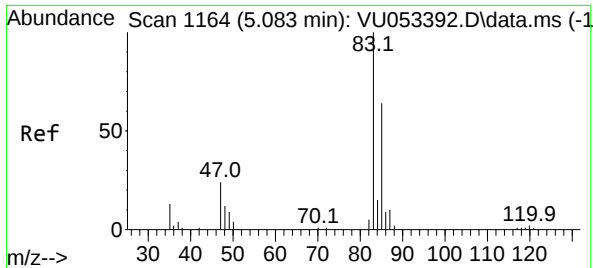
128 100

49 137.3 102.8 190.8

130 121.2 85.1 158.1

51 45.1 36.2 54.4

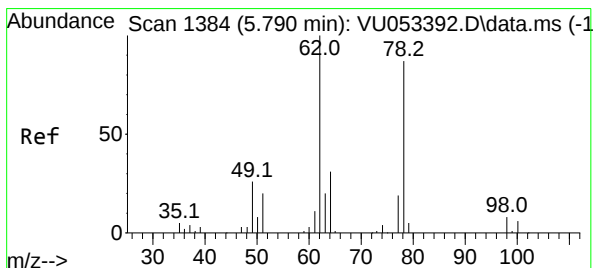
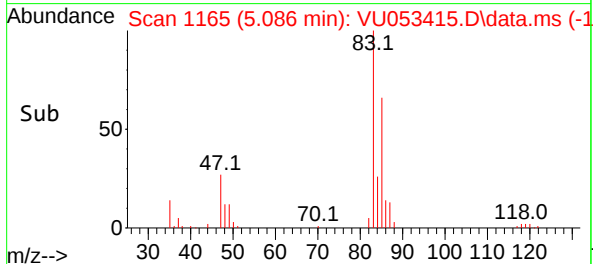
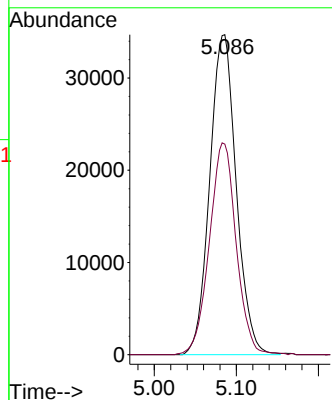
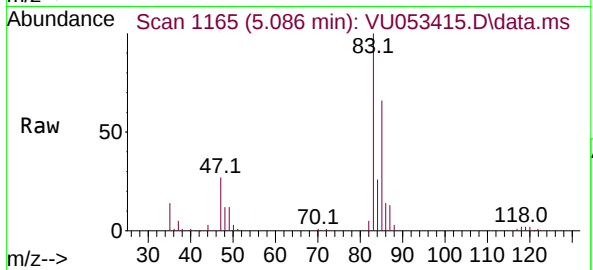




#25
Chloroform
Concen: 4.933 ug/L
RT: 5.086 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

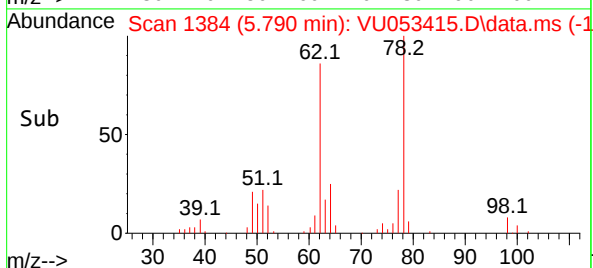
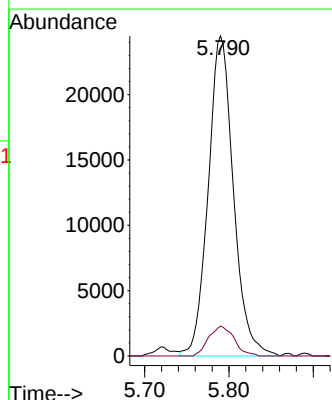
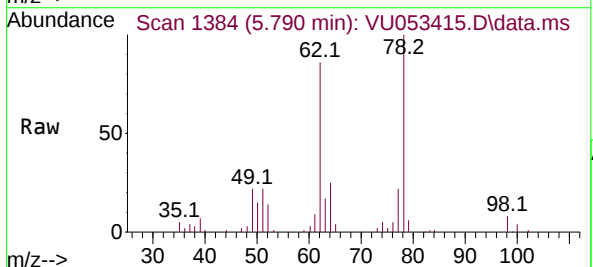
Instrument :
MSVOA_U
ClientSampleId :

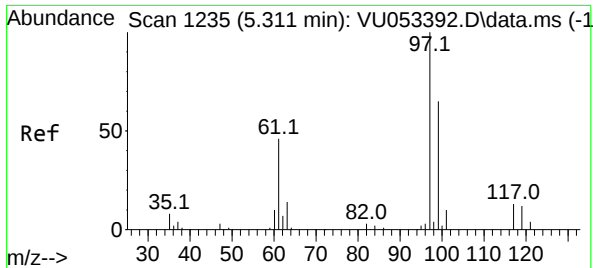
Tgt Ion: 83 Resp: 77995
Ion Ratio Lower Upper
83 100
85 65.8 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 62 Resp: 50991
Ion Ratio Lower Upper
62 100
98 9.3 6.4 9.6

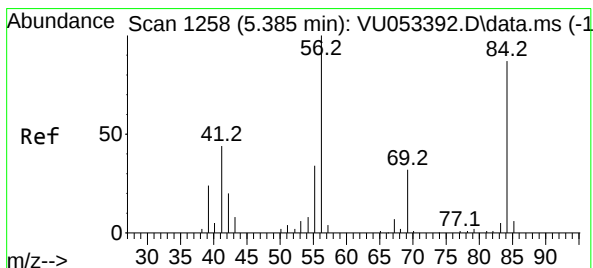
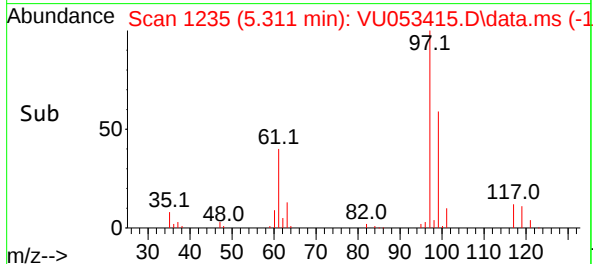
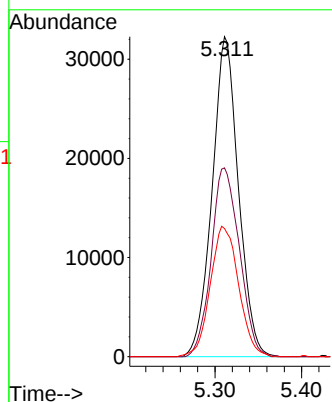
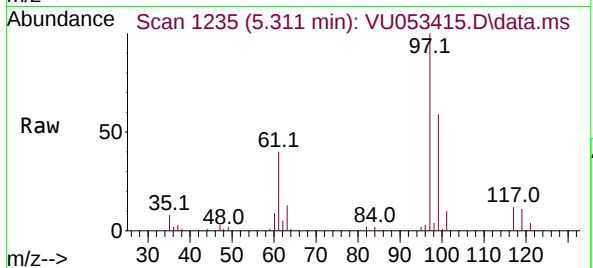




#29
1,1,1-Trichloroethane
Concen: 5.060 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

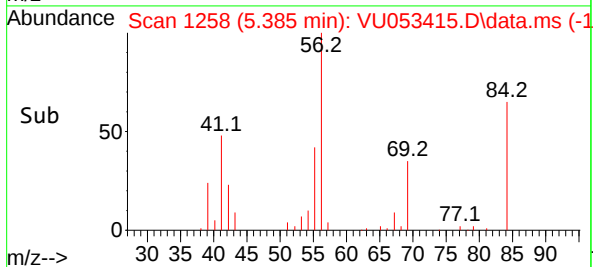
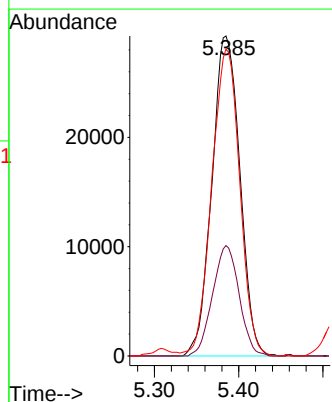
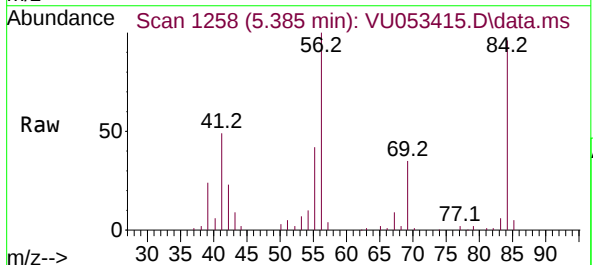
Instrument :
MSVOA_U
ClientSampleId :

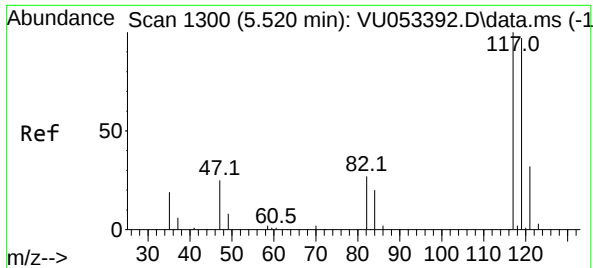
Tgt Ion: 97 Resp: 68090
Ion Ratio Lower Upper
97 100
99 63.2 49.9 74.9
61 44.0 35.7 53.5



#30
Cyclohexane
Concen: 4.708 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 56 Resp: 67502
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 95.7 75.6 113.4

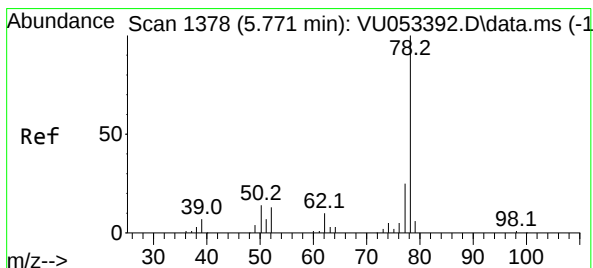
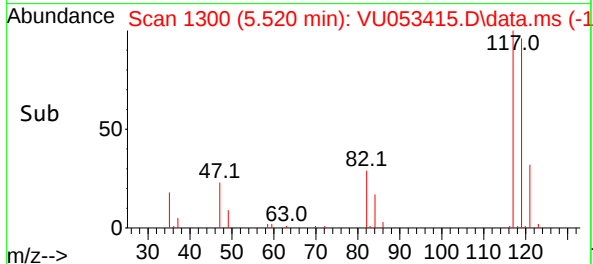
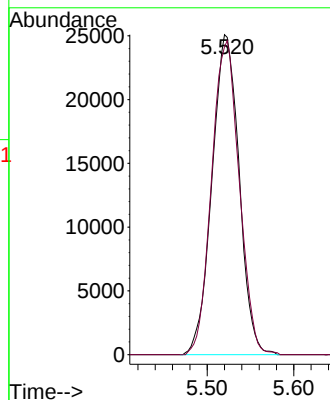
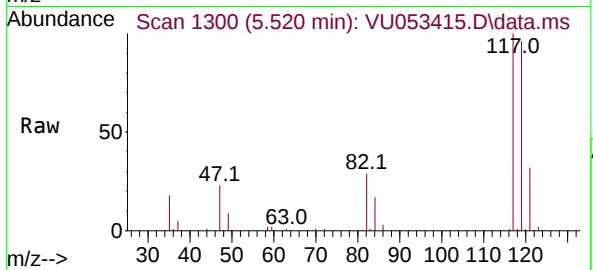




#31
Carbon tetrachloride
Concen: 4.792 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

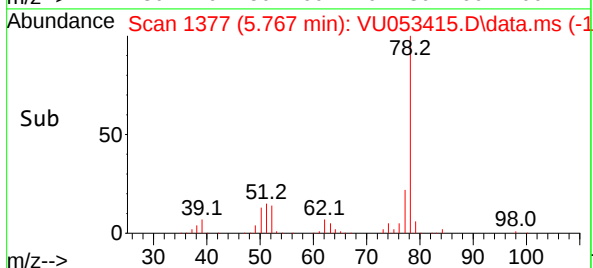
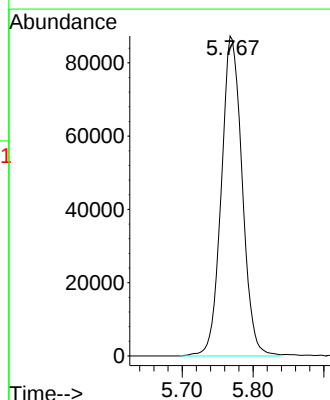
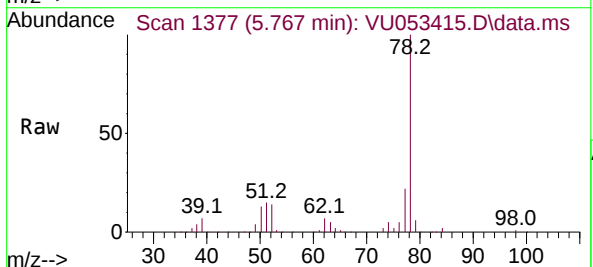
Instrument :
MSVOA_U
ClientSampleId :

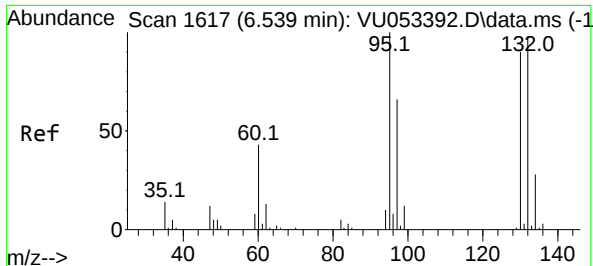
Tgt Ion:117 Resp: 54568
Ion Ratio Lower Upper
117 100
119 99.9 77.7 116.5



#33
Benzene
Concen: 4.885 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 78 Resp: 178397

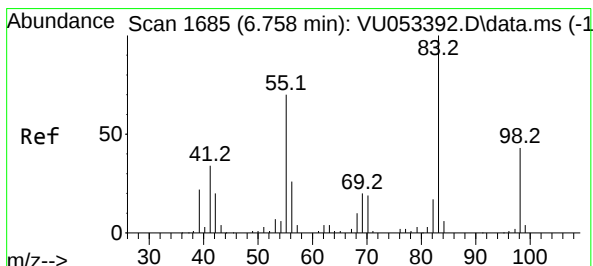
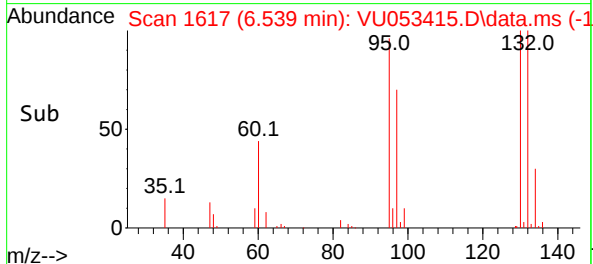
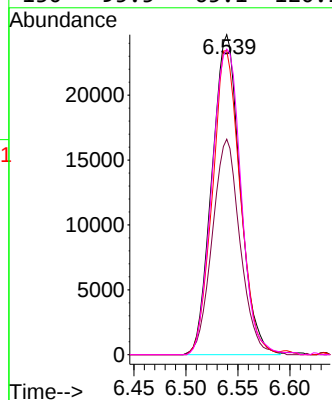
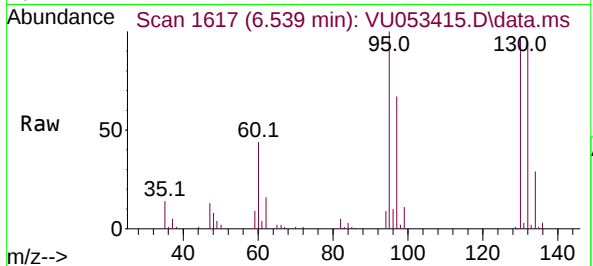




#34
Trichloroethene
Concen: 4.774 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

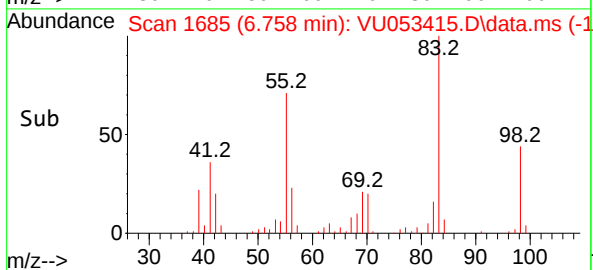
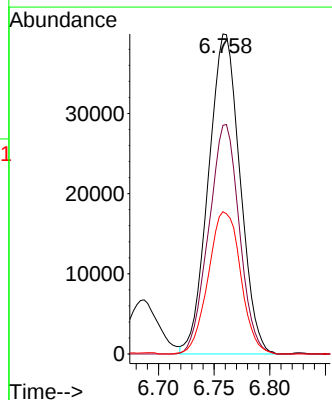
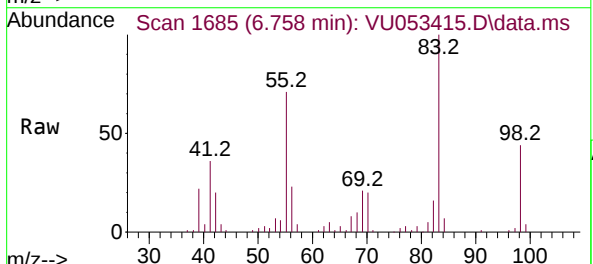
Instrument :
MSVOA_U
ClientSampleId :

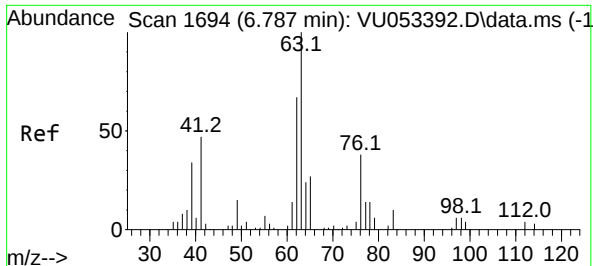
Tgt Ion: 95 Resp: 46437
Ion Ratio Lower Upper
95 100
97 67.3 45.3 84.1
132 95.1 62.8 116.6
130 95.5 65.1 120.9



#35
Methylcyclohexane
Concen: 4.715 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 83 Resp: 78698
Ion Ratio Lower Upper
83 100
55 69.5 54.9 82.3
98 45.6 34.9 52.3

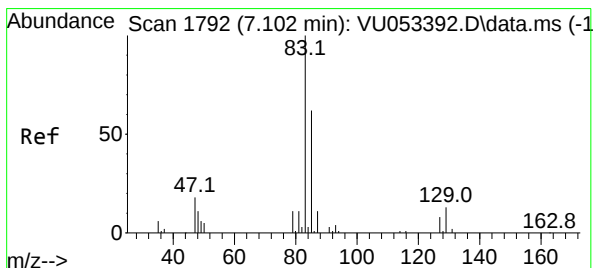
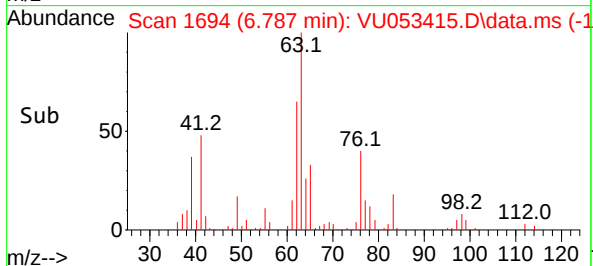
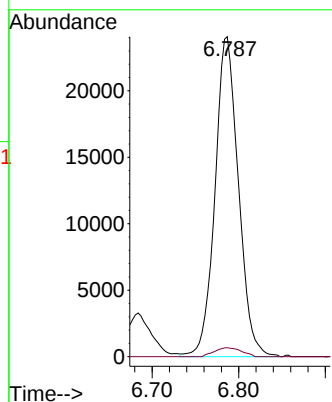
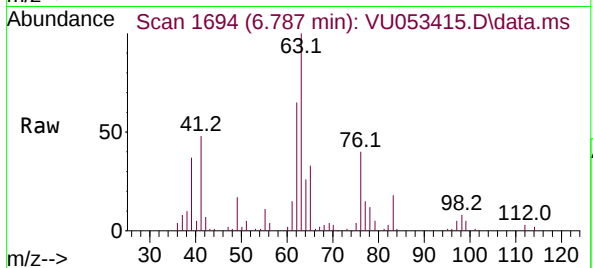




#37
1,2-Dichloropropane
Concen: 4.693 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

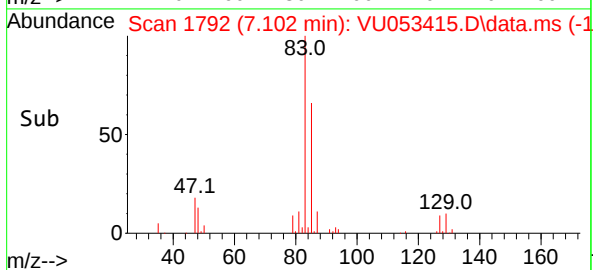
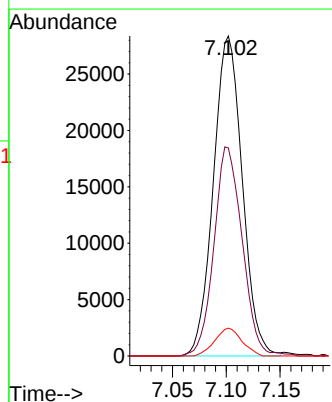
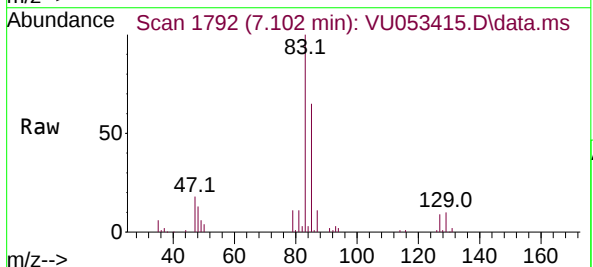
Instrument :
MSVOA_U
ClientSampleId :

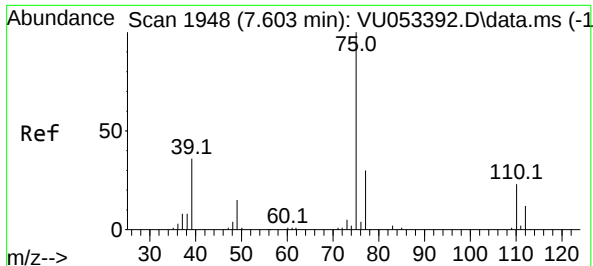
Tgt Ion: 63 Resp: 45256
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.4



#38
Bromodichloromethane
Concen: 4.956 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 83 Resp: 53081
Ion Ratio Lower Upper
83 100
85 65.0 44.0 81.8
127 8.7 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.771 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

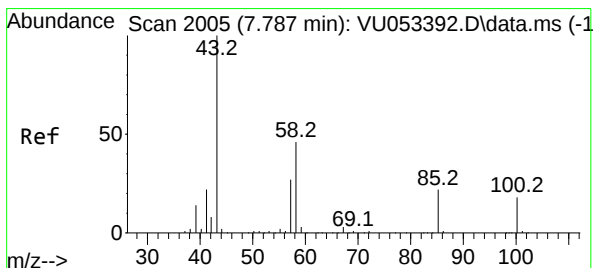
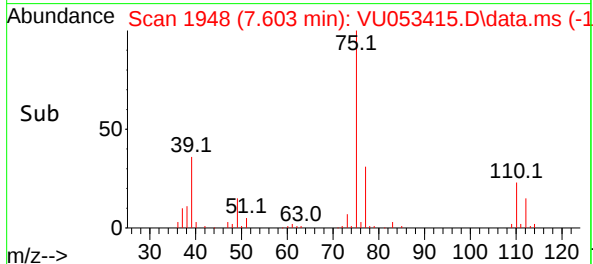
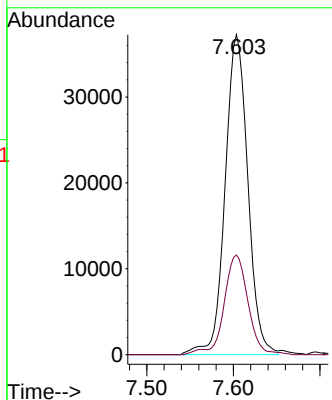
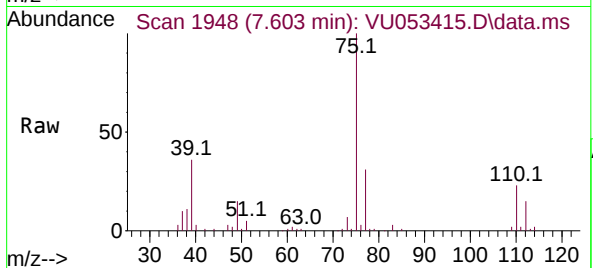
ClientSampleId :

Tgt Ion: 75 Resp: 67977

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 48.040 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

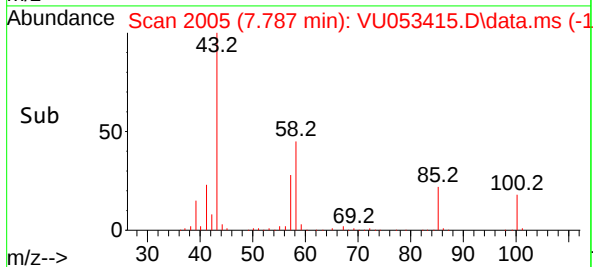
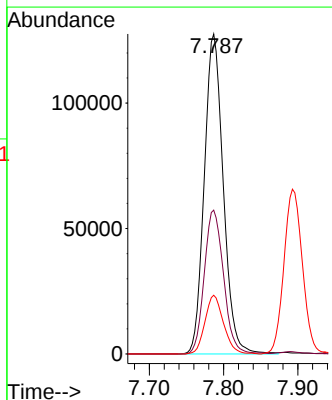
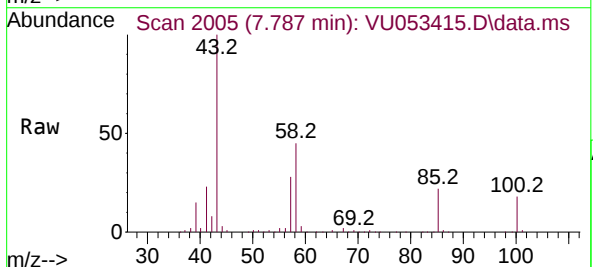
Tgt Ion: 43 Resp: 226716

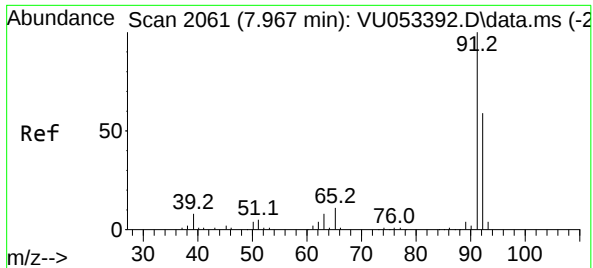
Ion Ratio Lower Upper

43 100

58 45.7 37.4 56.0

100 17.9 14.0 21.0





#42

Toluene

Concen: 4.937 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

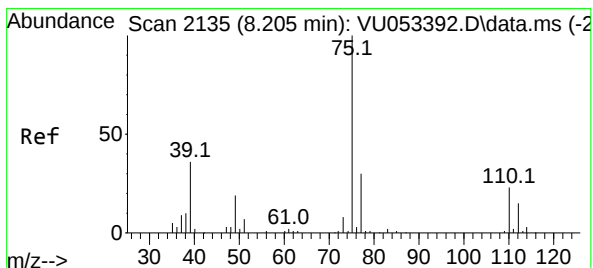
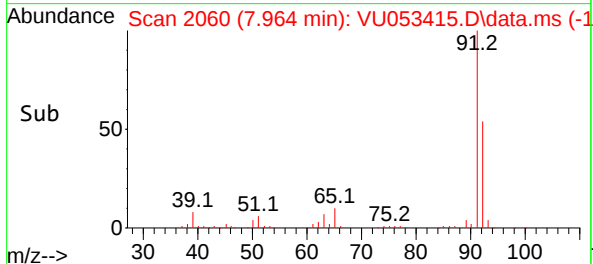
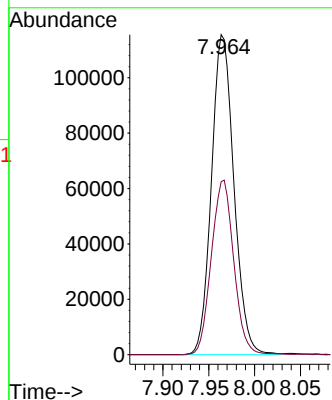
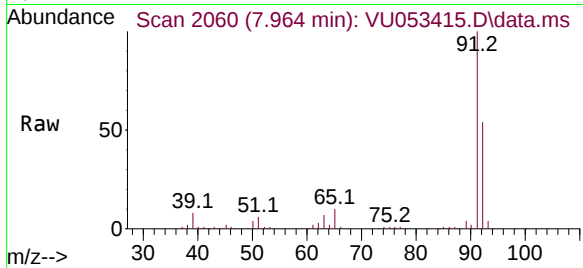
ClientSampleId :

Tgt Ion: 91 Resp: 197020

Ion Ratio Lower Upper

91 100

92 54.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.780 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053415.D

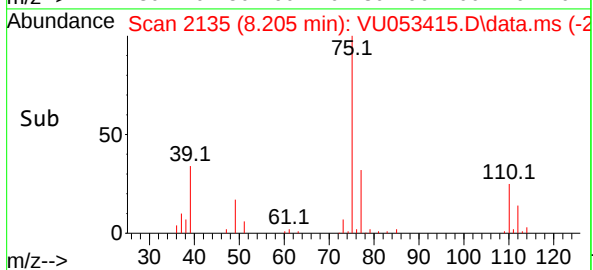
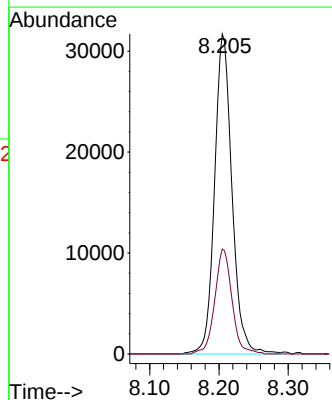
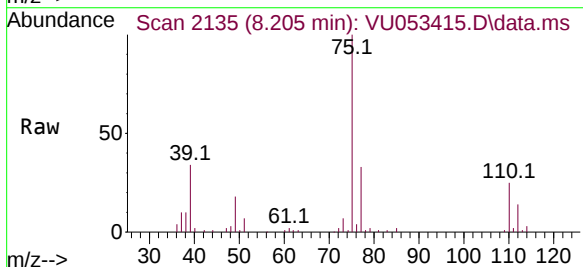
Acq: 25 Mar 2023 01:37

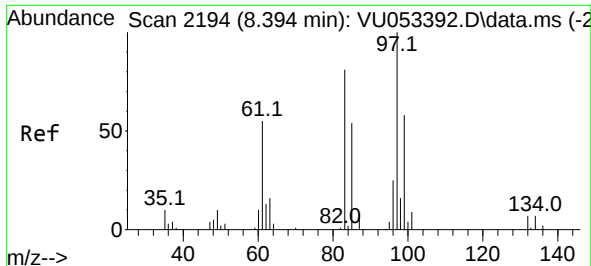
Tgt Ion: 75 Resp: 55416

Ion Ratio Lower Upper

75 100

77 32.8 22.0 40.8



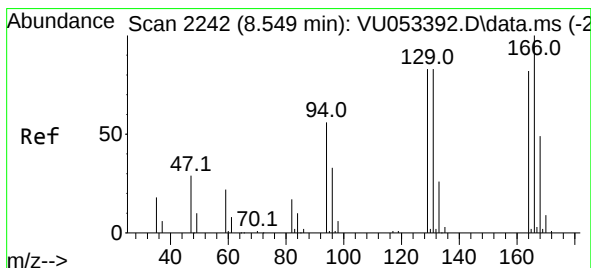
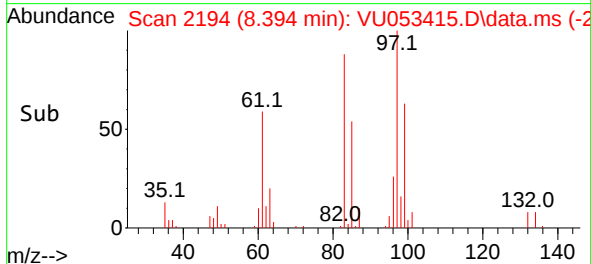
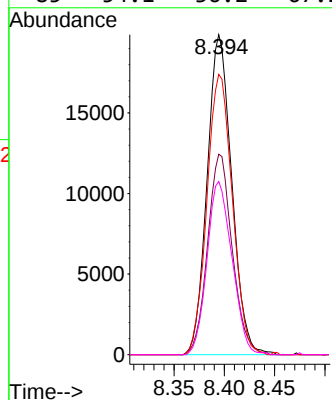
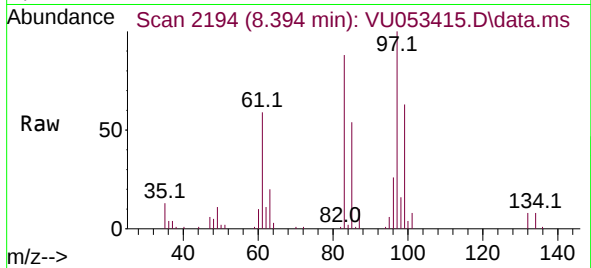


#45
1,1,2-Trichloroethane
Concen: 4.939 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 33819

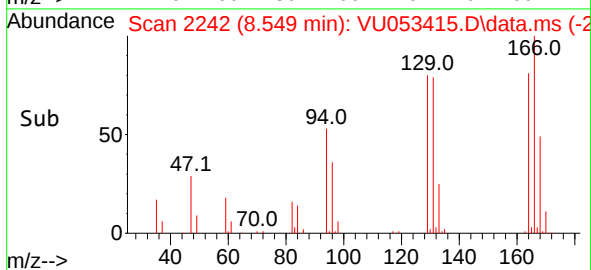
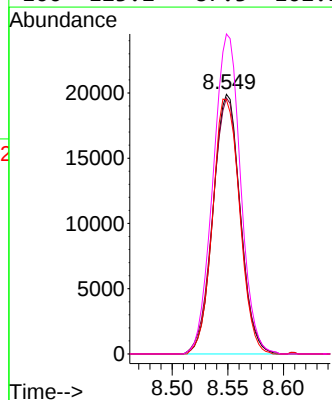
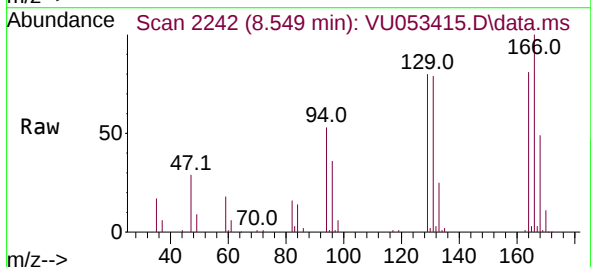
Ion	Ratio	Lower	Upper
97	100		
99	62.7	38.9	72.2
83	87.6	57.6	107.0
85	54.1	36.2	67.2

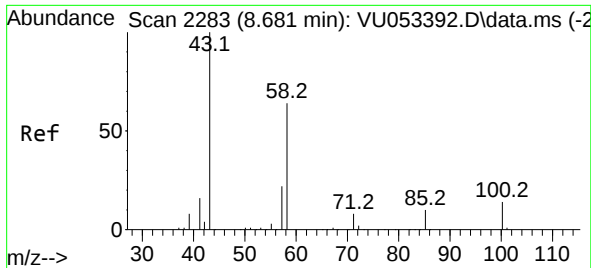


#47
Tetrachloroethene
Concen: 4.720 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion: 164 Resp: 33728

Ion	Ratio	Lower	Upper
164	100		
129	98.6	74.8	138.8
131	97.8	70.1	130.1
166	123.2	87.3	162.1

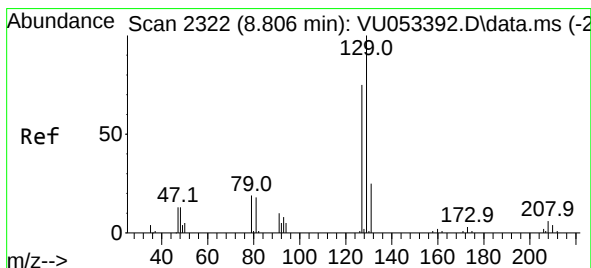
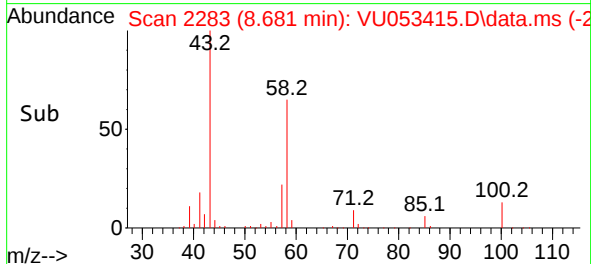
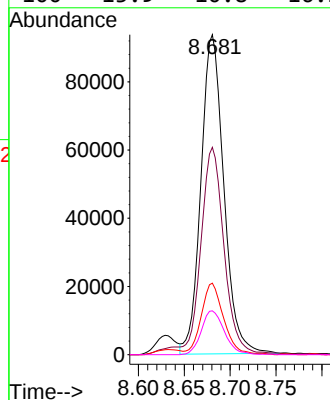
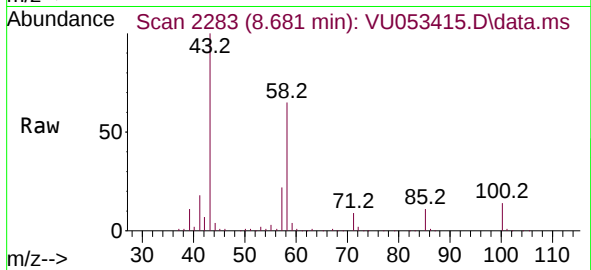




#48
2-Hexanone
Concen: 46.611 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

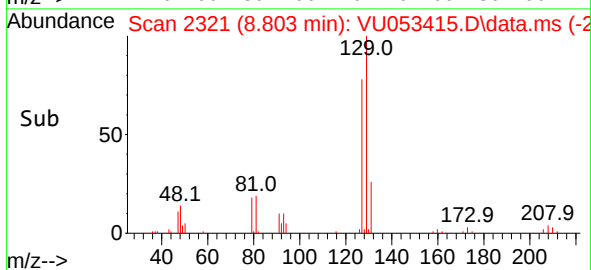
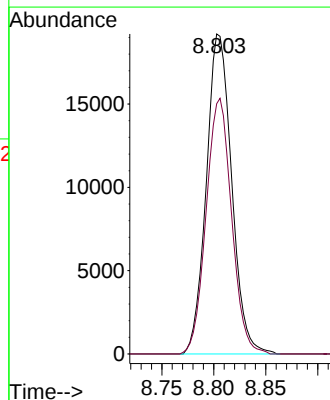
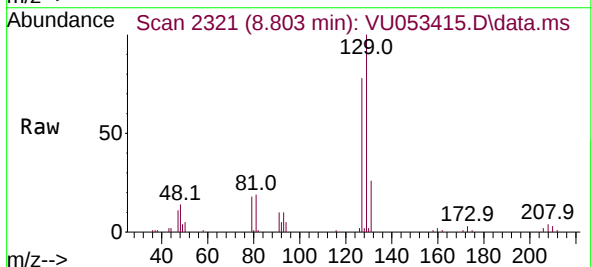
Instrument :
MSVOA_U
ClientSampleId :

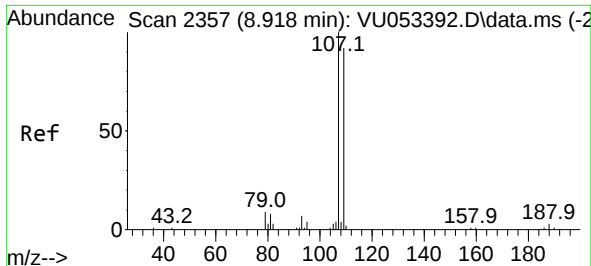
Tgt Ion: 43	Resp: 162649
Ion Ratio	Lower Upper
43 100	
58 67.7	52.8 79.2
57 22.0	17.1 25.7
100 13.9	10.8 16.2



#49
Dibromochloromethane
Concen: 4.818 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:129	Resp:	32623	
Ion	Ratio	Lower	Upper
129	100		
127	78.2	52.2	97.0

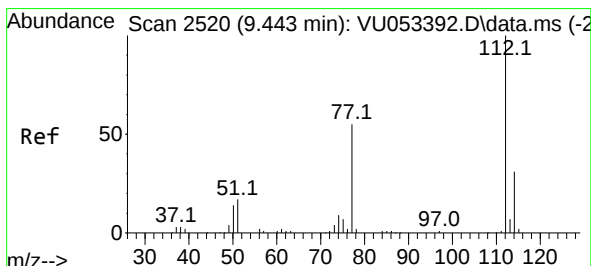
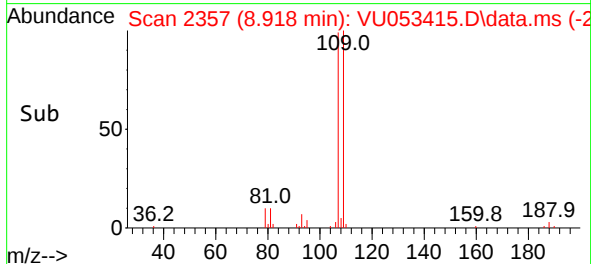
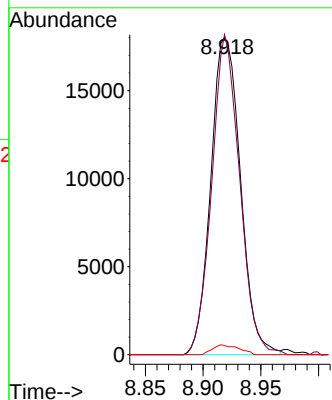
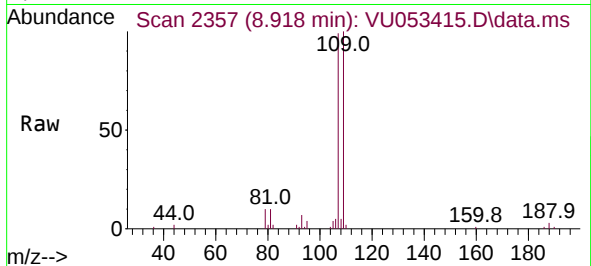




#50
1,2-Dibromoethane
Concen: 4.868 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

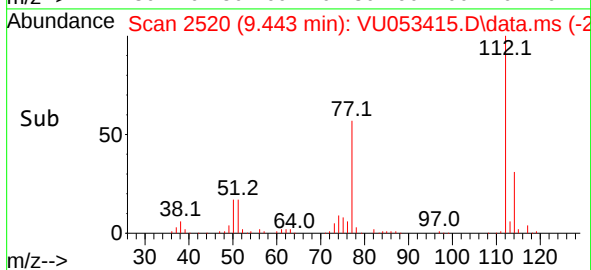
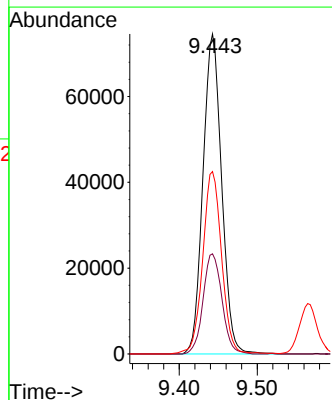
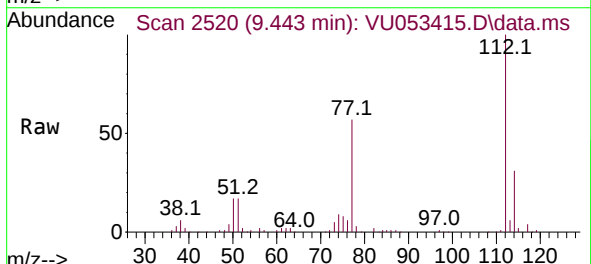
Instrument :
MSVOA_U
ClientSampleId :

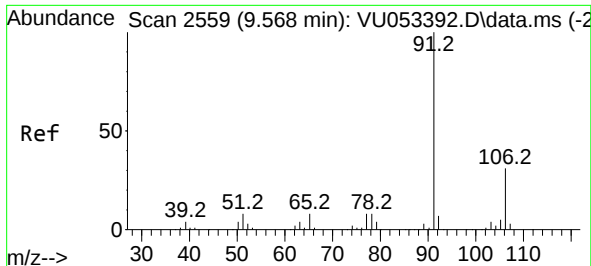
Tgt Ion:107 Resp: 32193
Ion Ratio Lower Upper
107 100
109 100.9 64.7 120.1
188 2.9 3.0 4.6#



#51
Chlorobenzene
Concen: 4.938 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:112 Resp: 124300
Ion Ratio Lower Upper
112 100
114 31.3 22.1 41.1
77 57.0 45.8 68.6

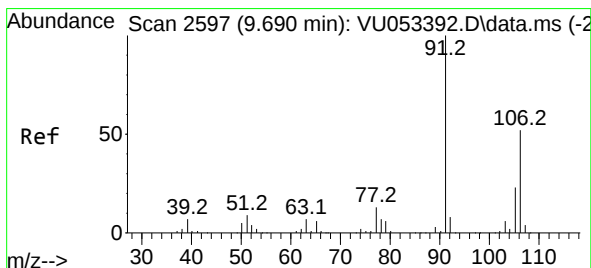
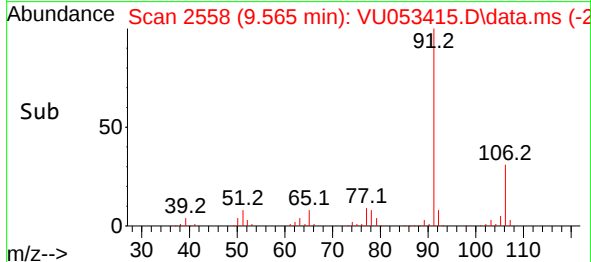
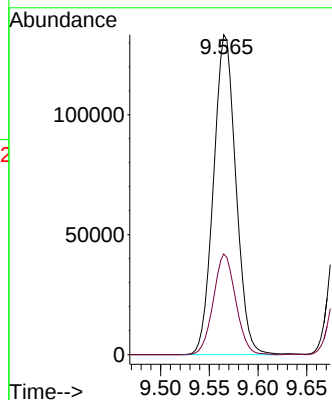
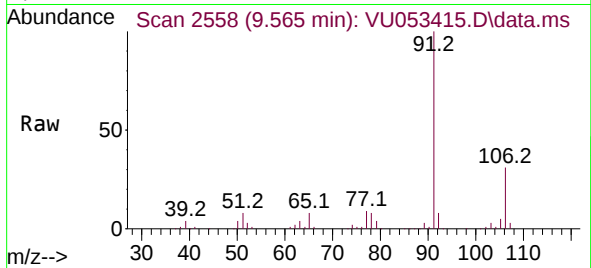




#52
Ethylbenzene
Concen: 4.896 ug/L
RT: 9.565 min Scan# 213003
Delta R.T. -0.003 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

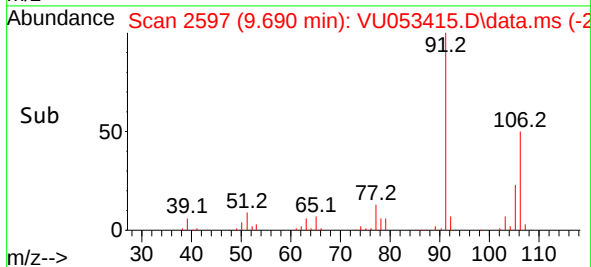
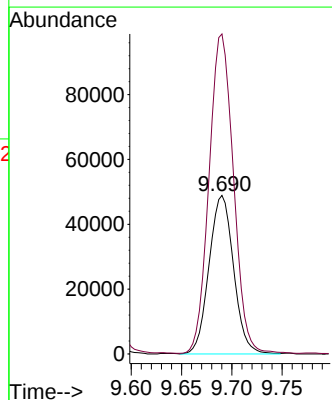
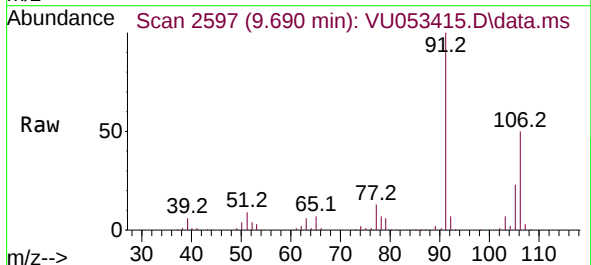
Instrument :
MSVOA_U
ClientSampleId :

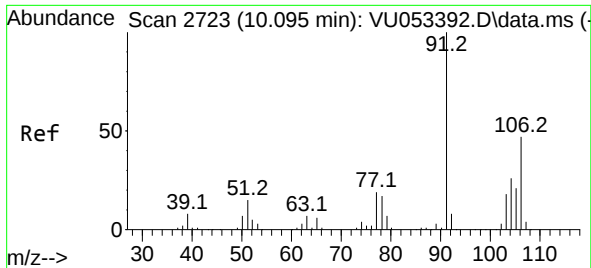
Tgt Ion: 91 Resp: 213003
Ion Ratio Lower Upper
91 100
106 31.5 22.5 41.9



#53
m,p-Xylene
Concen: 5.017 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:106 Resp: 83198
Ion Ratio Lower Upper
106 100
91 201.9 138.8 257.8

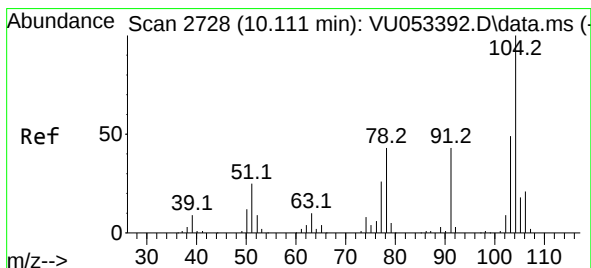
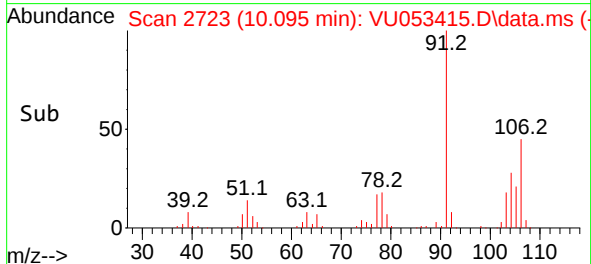
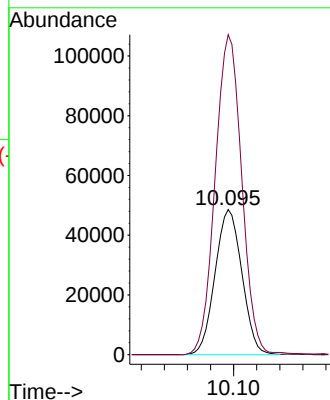
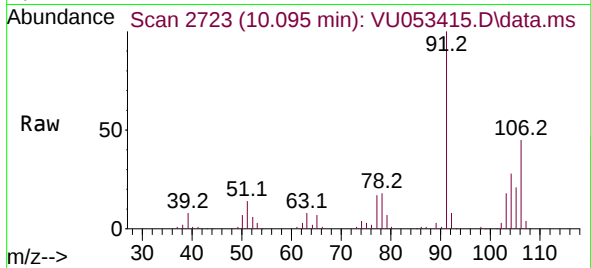




#54
o-Xylene
Concen: 4.981 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

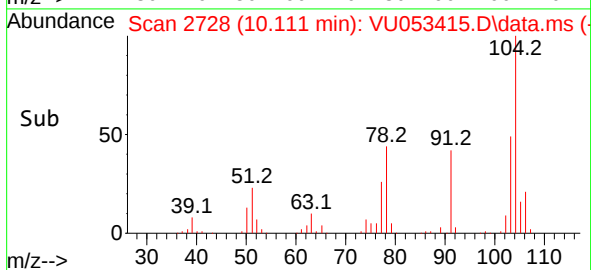
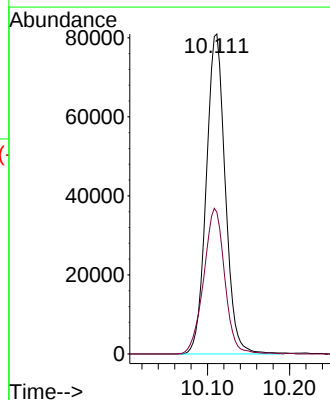
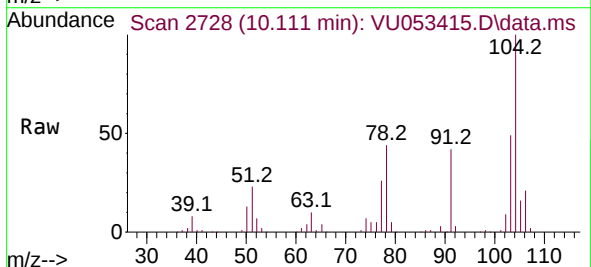
Instrument :
MSVOA_U
ClientSampleId :

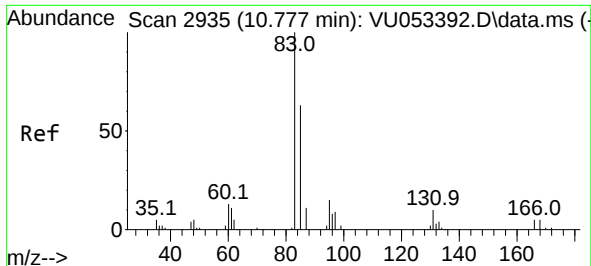
Tgt Ion:106 Resp: 78371
Ion Ratio Lower Upper
106 100
91 220.5 150.8 280.0



#55
Styrene
Concen: 5.051 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:104 Resp: 130498
Ion Ratio Lower Upper
104 100
78 44.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.732 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

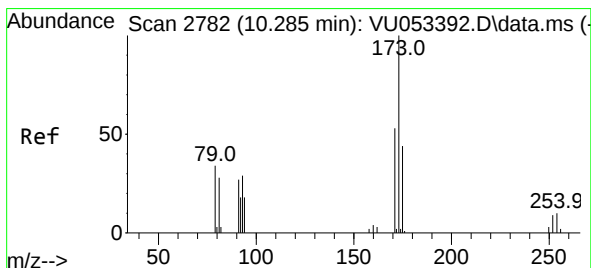
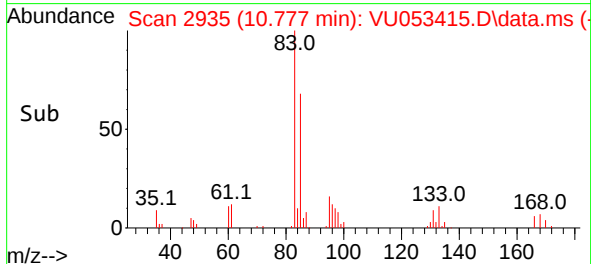
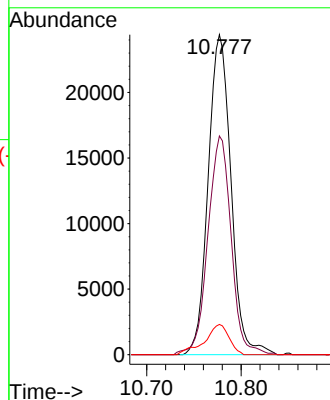
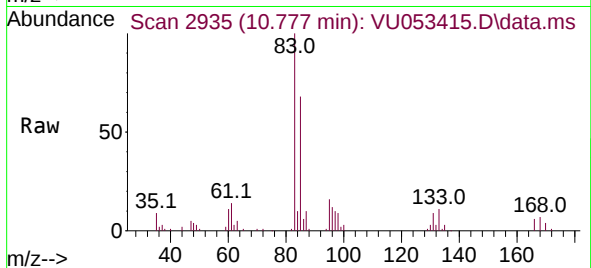
Tgt Ion: 83 Resp: 40918

Ion Ratio Lower Upper

83 100

85 68.3 43.8 81.4

131 9.5 7.2 10.8



#59

Bromoform

Concen: 4.814 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

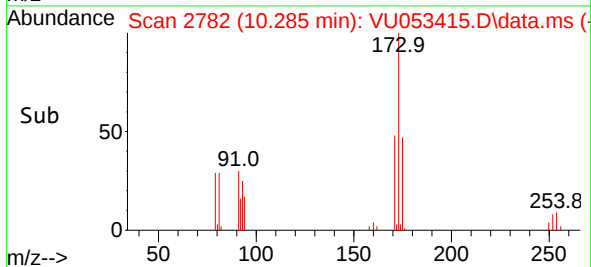
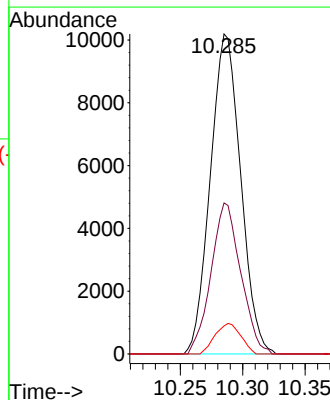
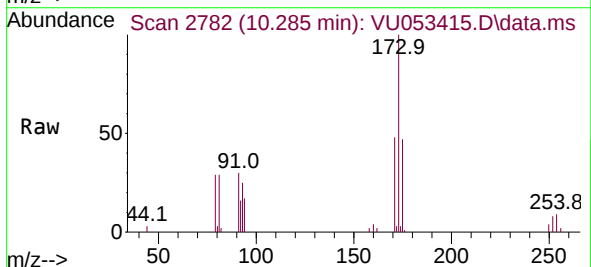
Tgt Ion:173 Resp: 17256

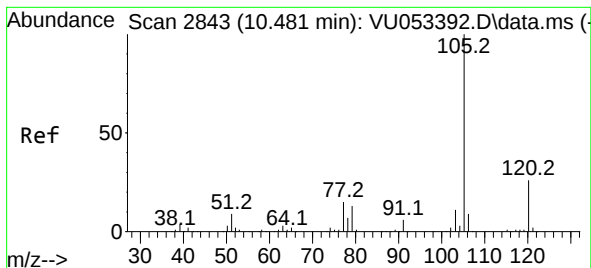
Ion Ratio Lower Upper

173 100

175 46.2 39.9 59.9

254 8.1 6.6 9.8





#60

Isopropylbenzene

Concen: 5.025 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

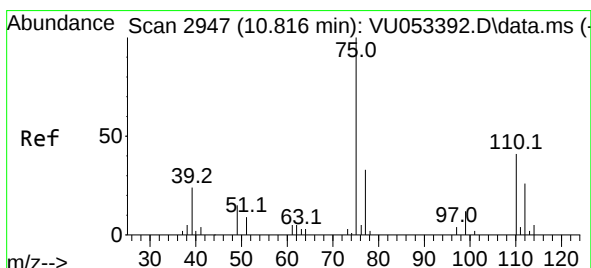
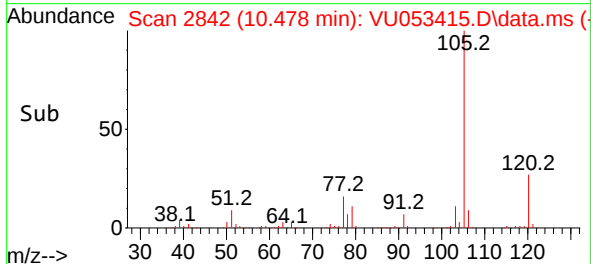
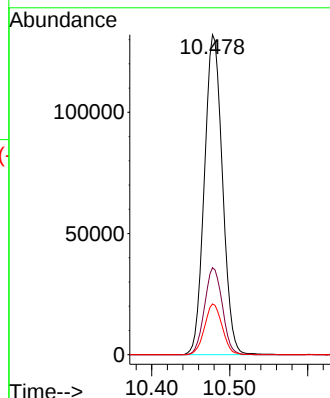
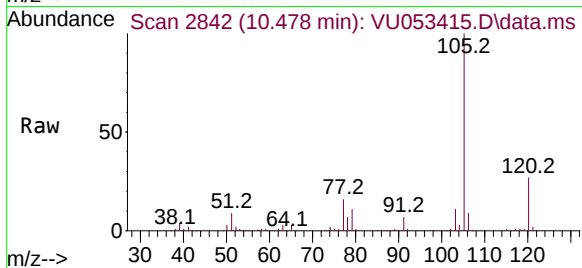
Tgt Ion:105 Resp: 212479

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

77 15.5 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.941 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

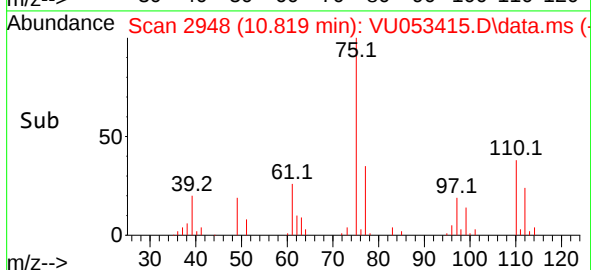
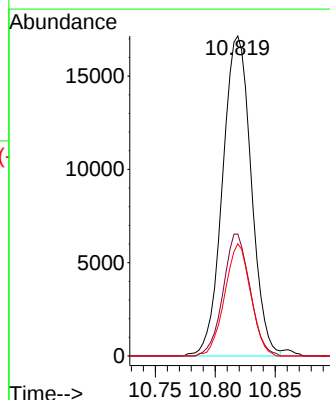
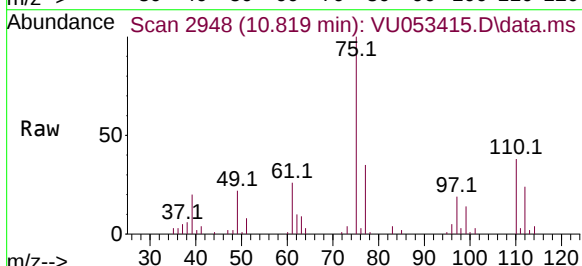
Tgt Ion: 75 Resp: 28501

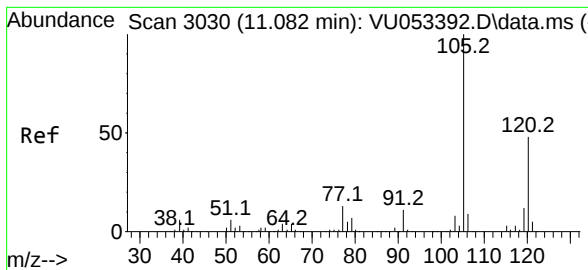
Ion Ratio Lower Upper

75 100

110 35.6 30.6 46.0

77 31.8 26.1 39.1

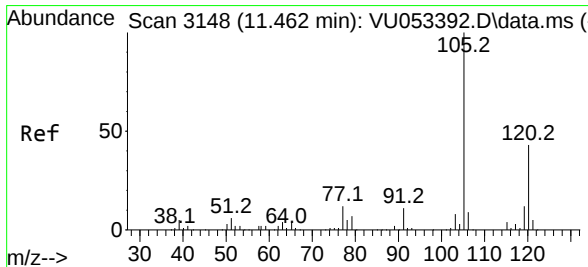
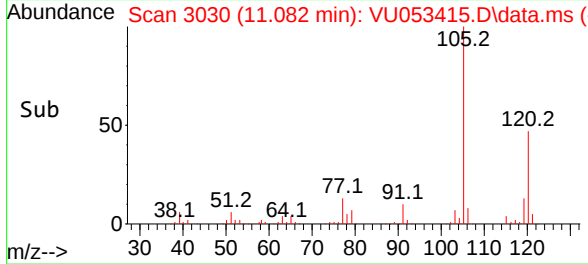
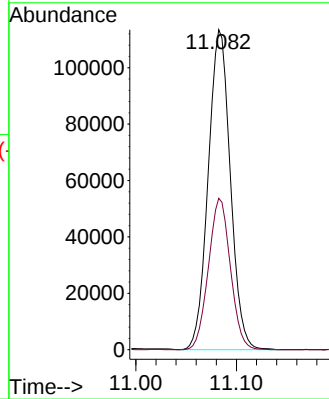
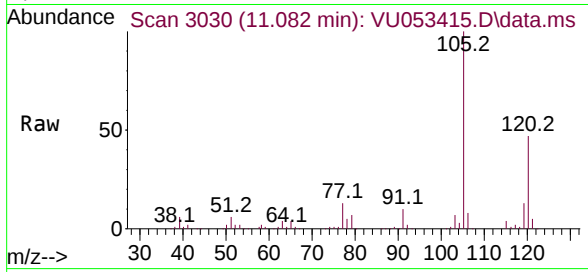




#62
 1,3,5-Trimethylbenzene
 Concen: 5.049 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

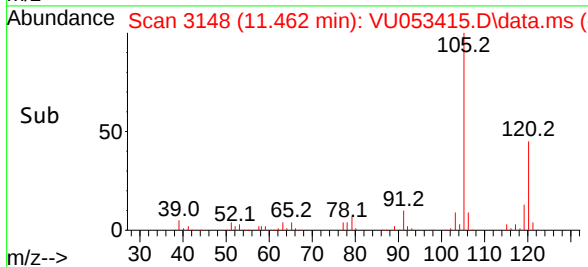
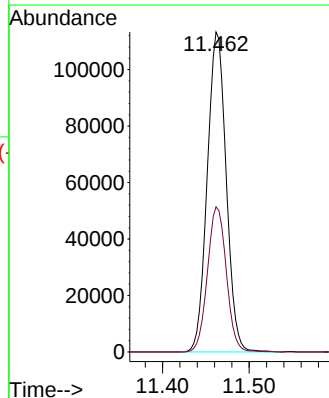
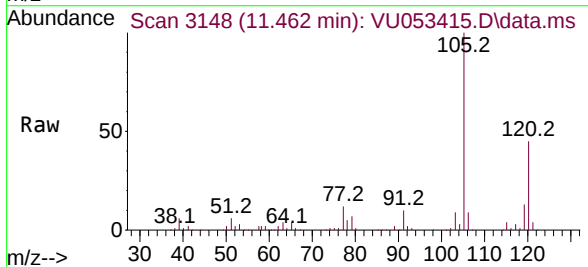
Instrument :
 MSVOA_U
 ClientSampleId :

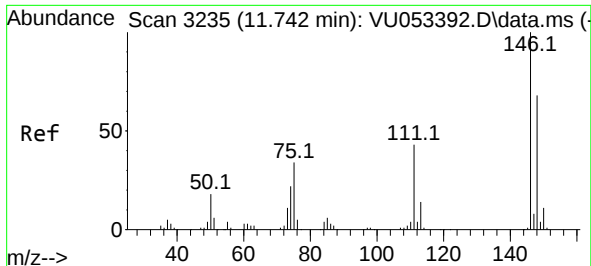
Tgt Ion:105 Resp: 173231
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.903 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.000 min
 Lab File: VU053415.D
 Acq: 25 Mar 2023 01:37

Tgt Ion:105 Resp: 172304
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.4 53.0

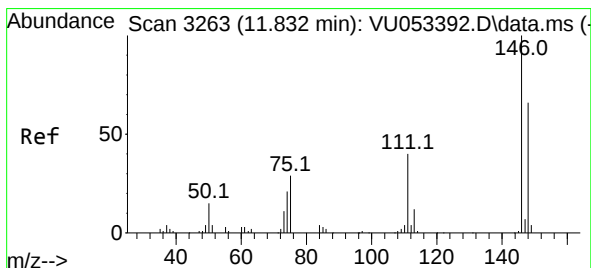
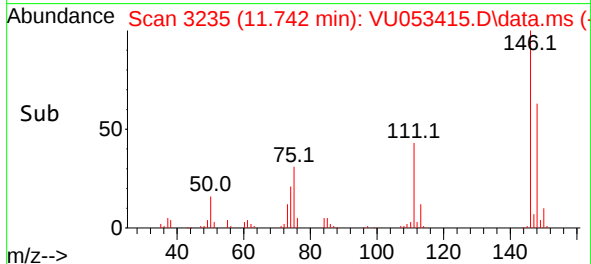
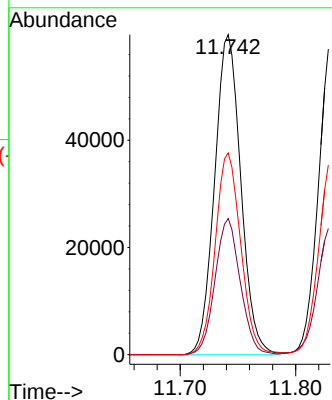
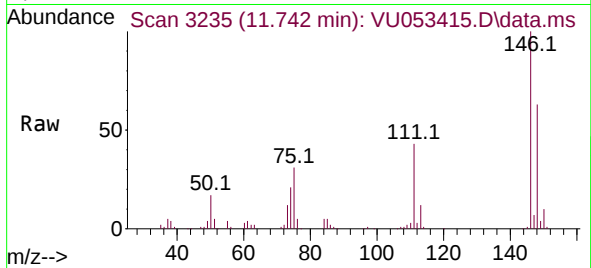




#64
1,3-Dichlorobenzene
Concen: 5.064 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

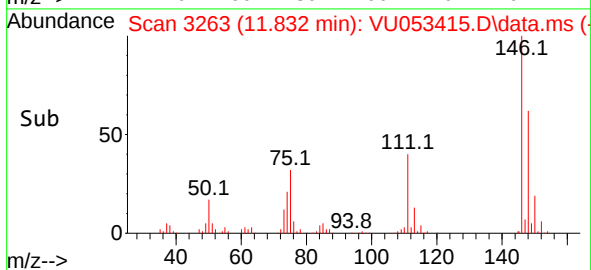
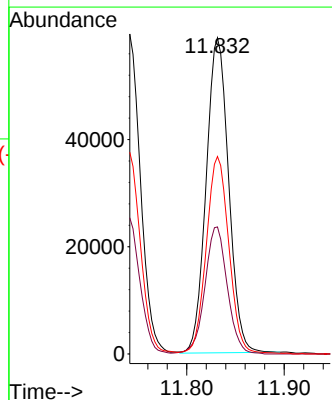
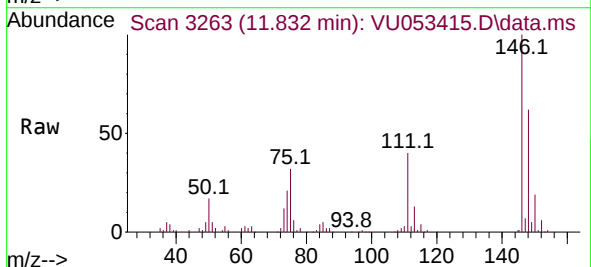
Instrument :
MSVOA_U
ClientSampleId :

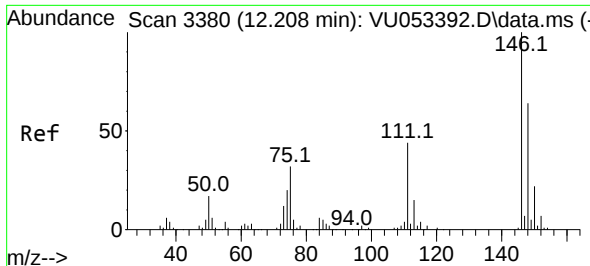
Tgt Ion:146 Resp: 94145
Ion Ratio Lower Upper
146 100
111 42.6 29.4 54.6
148 63.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.038 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:146 Resp: 94052
Ion Ratio Lower Upper
146 100
111 40.2 29.8 55.4
148 62.4 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 4.983 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :

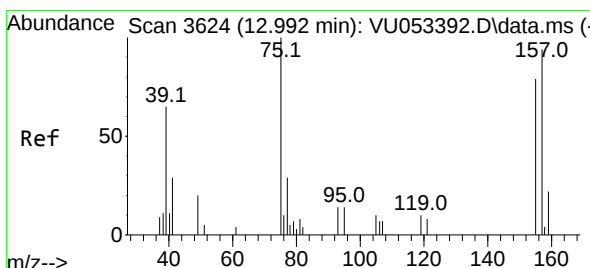
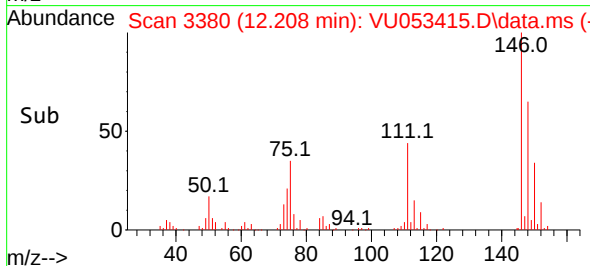
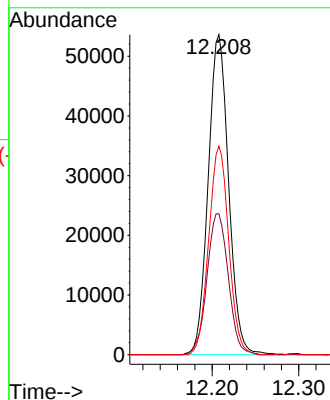
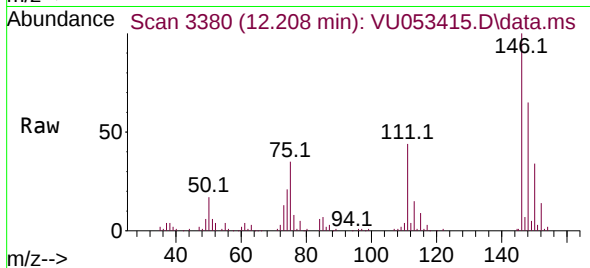
Tgt Ion:146 Resp: 87824

Ion Ratio Lower Upper

146 100

111 44.0 35.0 52.6

148 65.1 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.279 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

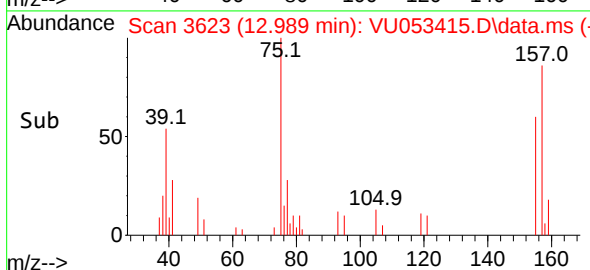
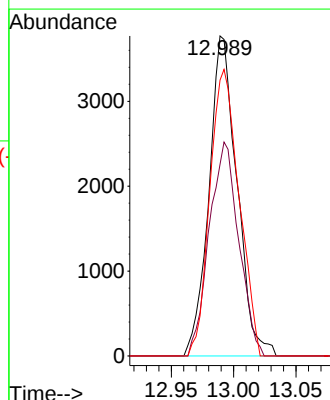
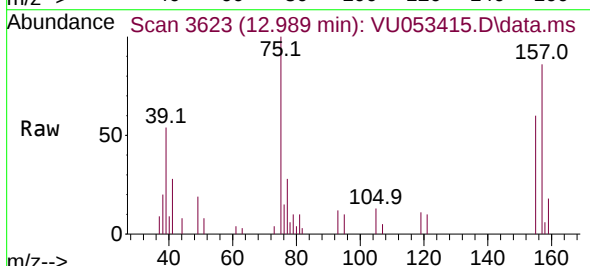
Tgt Ion: 75 Resp: 5904

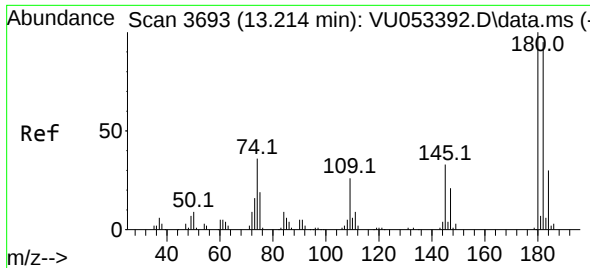
Ion Ratio Lower Upper

75 100

155 59.9 63.9 95.9#

157 86.2 74.1 111.1





#69

1,3,5-Trichlorobenzene

Concen: 4.736 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

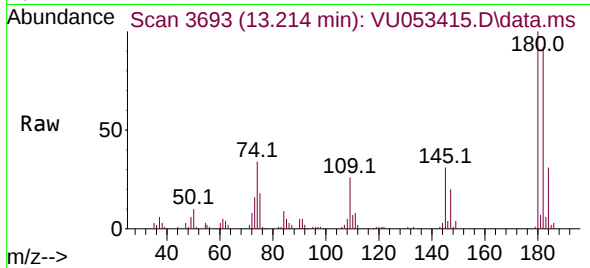
Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 61468

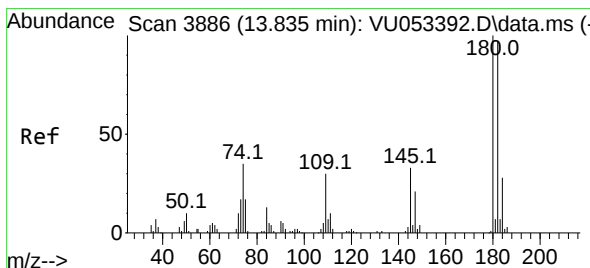
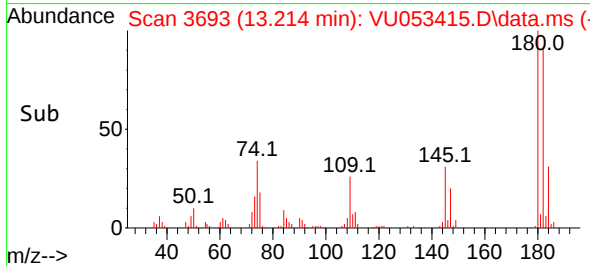
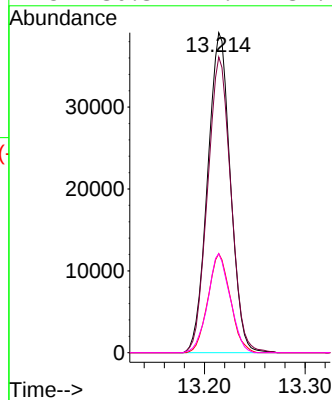
Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

184 30.3 24.1 36.1

145 30.3 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 4.885 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053415.D

Acq: 25 Mar 2023 01:37

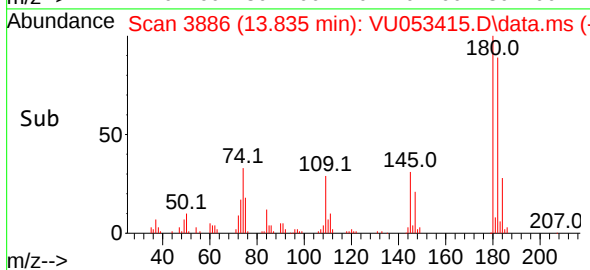
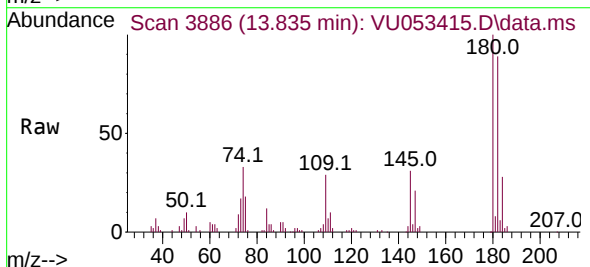
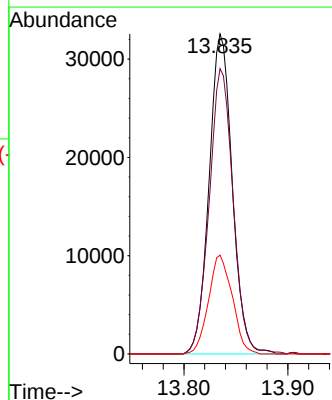
Tgt Ion:180 Resp: 50402

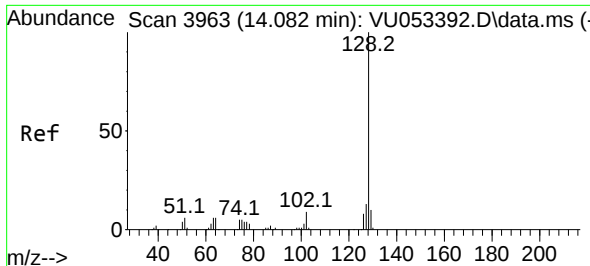
Ion Ratio Lower Upper

180 100

182 92.1 75.4 113.2

145 31.7 25.8 38.8

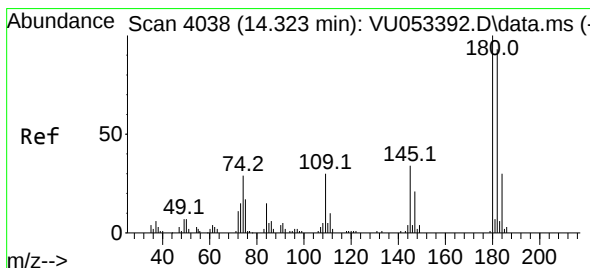
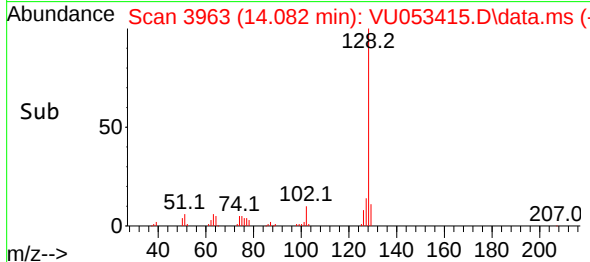
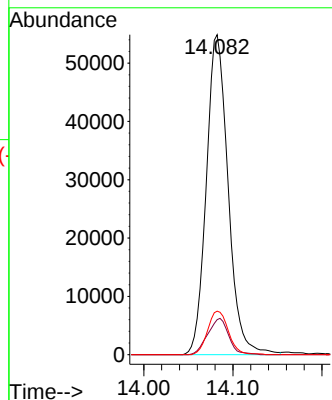
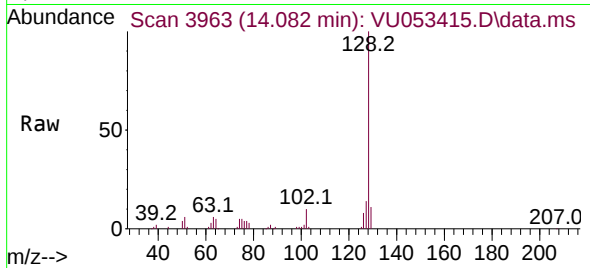




#71
Naphthalene
Concen: 4.802 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 93359
Ion Ratio Lower Upper
128 100
129 10.9 8.2 12.4
127 12.9 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 4.873 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053415.D
Acq: 25 Mar 2023 01:37

Tgt Ion:180 Resp: 43891
Ion Ratio Lower Upper
180 100
182 96.2 74.8 112.2
145 31.8 26.3 39.5

