

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053458.D
 Acq On : 29 Mar 2023 01:16
 Operator : JC/MD
 Sample : 02054-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYF64MS

Quant Time: Mar 29 04:19:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	200057	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	189157	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	98426	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78915	42.758	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.520%
7) Chloroethane-d5	1.912	69	65260	43.714	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.420%
11) 1,1-Dichloroethene-d2	2.568	63	136285	42.626	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.260%
21) 2-Butanone-d5	4.623	46	102250	119.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.450%
24) Chloroform-d	5.057	84	139846	46.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.697	65	91033	48.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
32) Benzene-d6	5.723	84	276687	45.097	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.687	67	92994	46.963	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.920%
41) Toluene-d8	7.893	98	259244	45.384	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.760%
43) trans-1,3-Dichloroprop...	8.173	79	44111	45.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.300%
47) 2-Hexanone-d5	8.629	63	60089	97.063	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132105	51.500	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	98518	51.694	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	83550	40.011	ug/L	99
3) Chloromethane	1.520	50	94478	49.101	ug/L	99
5) Vinyl chloride	1.604	62	95043	45.154	ug/L	99
6) Bromomethane	1.858	94	54011	42.688	ug/L	98
8) Chloroethane	1.935	64	59057	47.499	ug/L	99
9) Trichlorofluoromethane	2.137	101	117794	44.853	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	67912	42.748	ug/L	96
12) 1,1-Dichloroethene	2.578	96	62541	42.568	ug/L	97
13) Acetone	2.636	43	69799	71.594	ug/L	94
14) Carbon disulfide	2.793	76	164309	36.924	ug/L	100
15) Methyl Acetate	2.948	43	80618	60.329	ug/L	95
16) Methylene chloride	3.044	84	76287	42.801	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	65553	43.974	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	230718	46.027	ug/L	97
19) 1,1-Dichloroethane	3.864	63	138445	45.497	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	79325	45.305	ug/L	97
22) 2-Butanone	4.700	43	113056	101.787	ug/L	92
23) Bromochloromethane	4.970	128	39361	47.147	ug/L	94
25) Chloroform	5.083	83	141624	46.510	ug/L	99

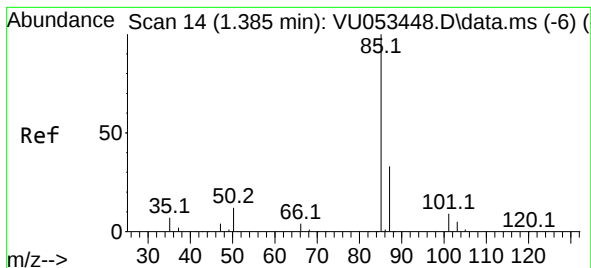
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	113865	47.370	ug/L	98
29) Cyclohexane	5.385	56	117389	41.649	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	117119	45.424	ug/L	99
31) Carbon tetrachloride	5.520	117	93130	44.089	ug/L	99
33) Benzene	5.768	78	302932	46.193	ug/L	100
34) Trichloroethene	6.536	95	88721	51.886	ug/L	97
35) Methylcyclohexane	6.758	83	111534	37.211	ug/L	95
37) 1,2-Dichloropropane	6.784	63	85947	46.975	ug/L	100
38) Bromodichloromethane	7.099	83	102308	44.932	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	130027	43.256	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	228808	121.669	ug/L	93
42) Toluene	7.964	91	319320	45.292	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	121374	44.172	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	80507	48.324	ug/L	99
46) Tetrachloroethene	8.549	164	52677	47.351	ug/L	96
48) 2-Hexanone	8.677	43	175957	111.734	ug/L	93
49) Dibromochloromethane	8.803	129	72741	42.683	ug/L	98
50) 1,2-Dibromoethane	8.919	107	85162	47.974	ug/L	98
51) Chlorobenzene	9.443	112	202592	46.106	ug/L	99
52) Ethylbenzene	9.565	91	352861	44.134	ug/L	99
53) m,p-Xylene	9.687	106	130567	43.754	ug/L	99
54) o-Xylene	10.095	106	132919	45.036	ug/L	95
55) Styrene	10.108	104	221911	45.114	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	136785	50.078	ug/L	99
59) Bromoform	10.285	173	54168	48.360	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	103583	52.961	ug/L	99
61) Isopropylbenzene	10.478	105	345836	44.471	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	279127	43.361	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	271072	43.201	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	153095	46.940	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	155130	47.379	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	158501	48.622	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	26124	48.303	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	102510	49.574	ug/L	96
70) 1,2,4-trichlorobenzene	13.835	180	95355	51.322	ug/L	98
71) Naphthalene	14.079	128	309381	49.403	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	94371	53.560	ug/L	98

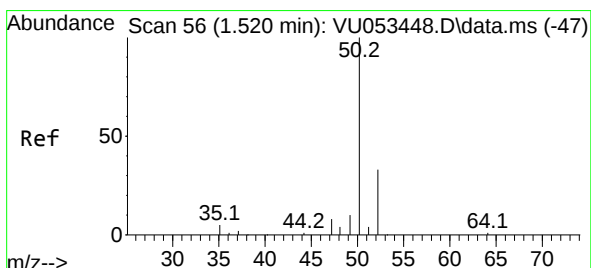
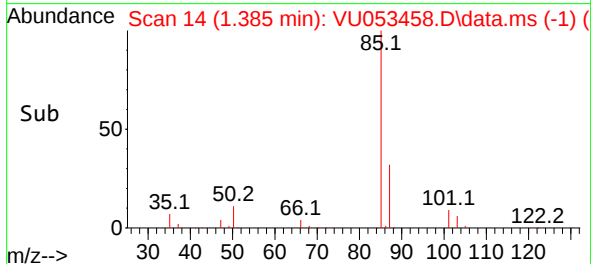
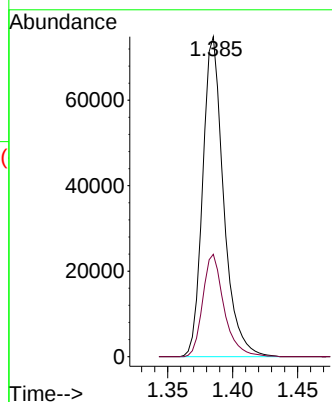
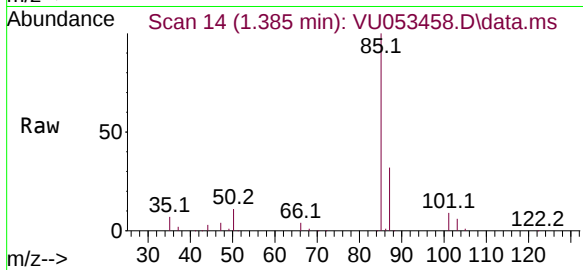
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 40.011 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

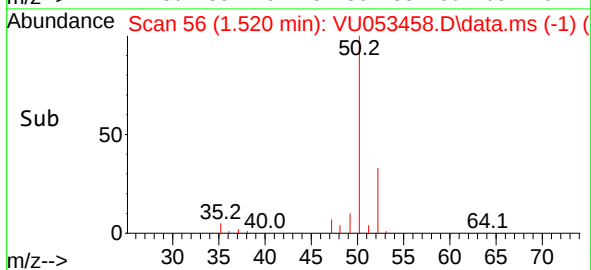
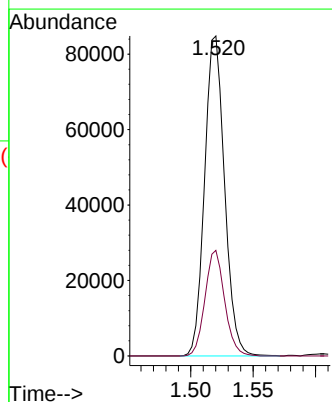
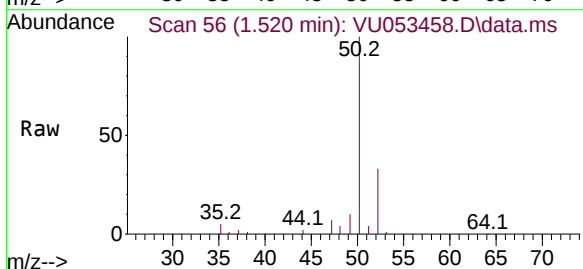
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 MSVOA_U
 ClientSampleId :
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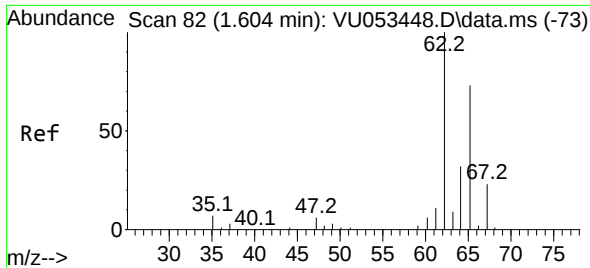
Tgt Ion: 85 Resp: 83550
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.8



#3
 Chloromethane
 Concen: 49.101 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

Tgt Ion: 50 Resp: 94478
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.4 43.4

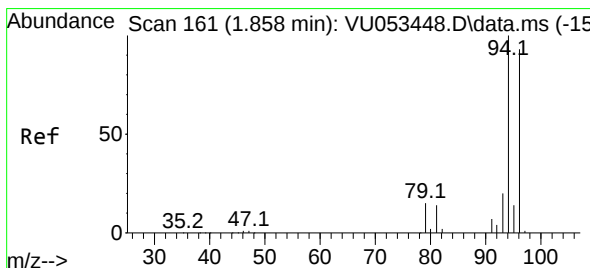
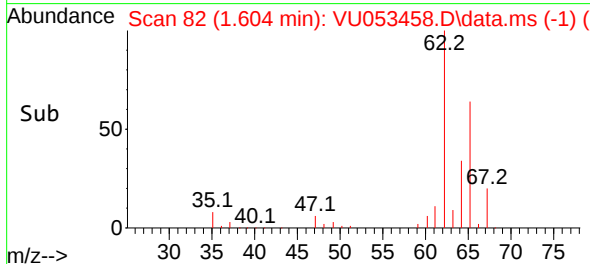
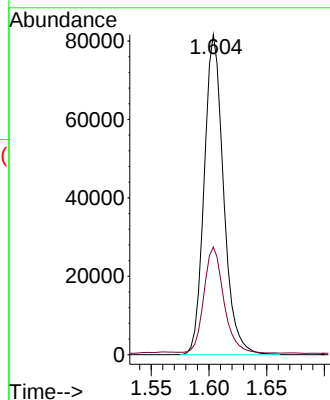
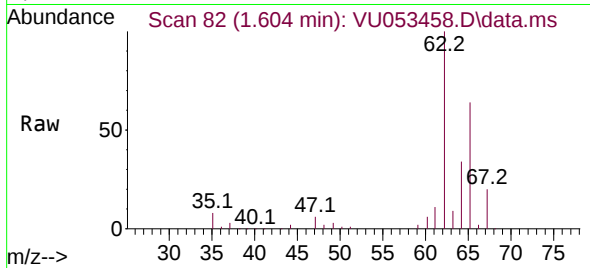




#5
 Vinyl chloride
 Concen: 45.154 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

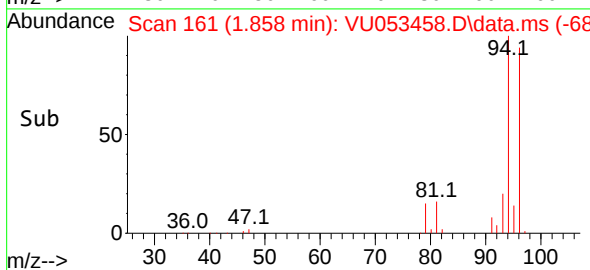
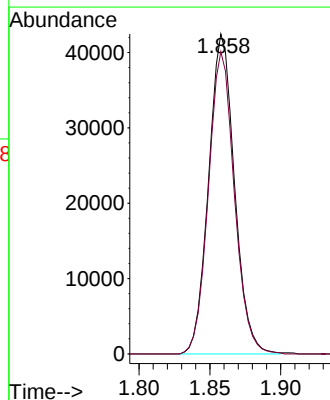
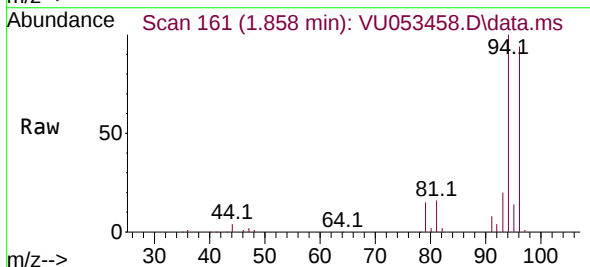
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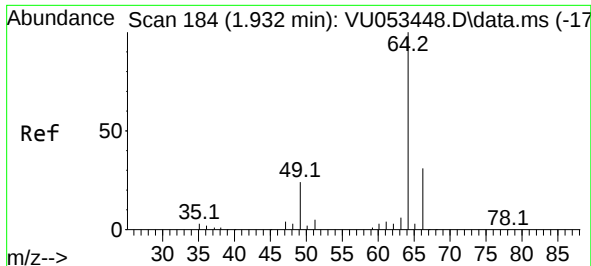
Tgt Ion: 62 Resp: 95043
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 42.688 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

Tgt Ion: 94 Resp: 54011
 Ion Ratio Lower Upper
 94 100
 96 94.4 67.5 125.3

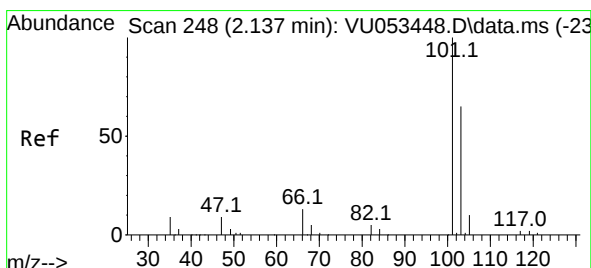
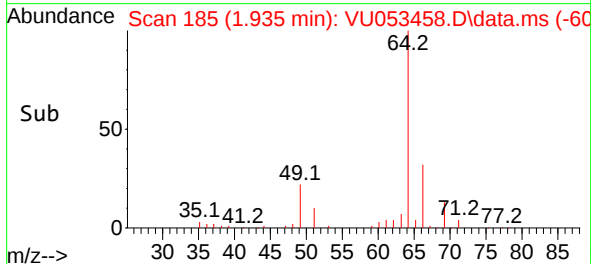
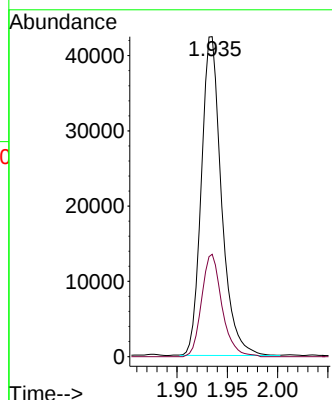
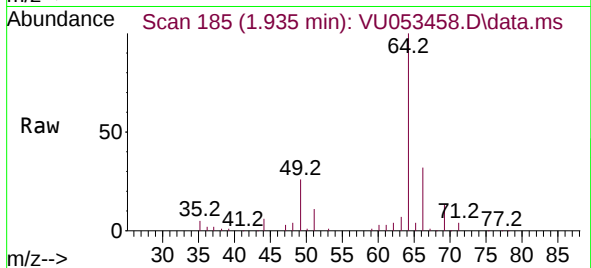




#8
Chloroethane
Concen: 47.499 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

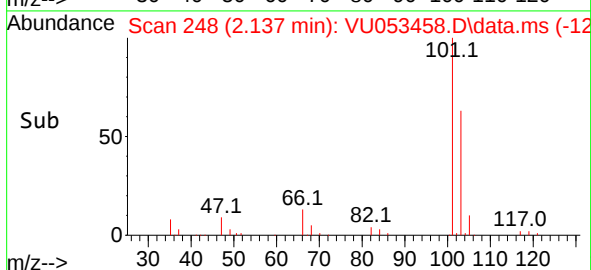
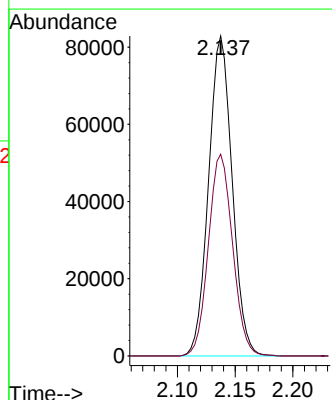
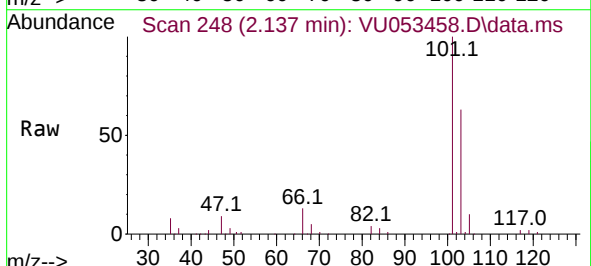
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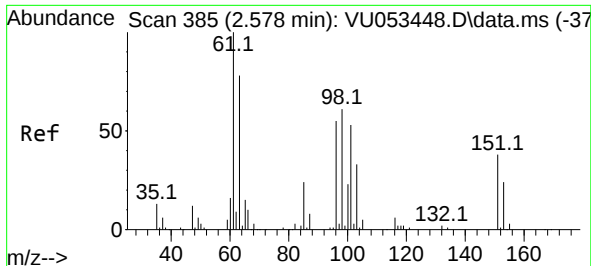
Tgt Ion: 64 Resp: 59057
Ion Ratio Lower Upper
64 100
66 32.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.853 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion:101 Resp: 117794
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0

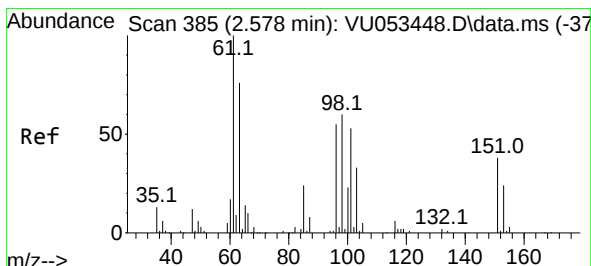
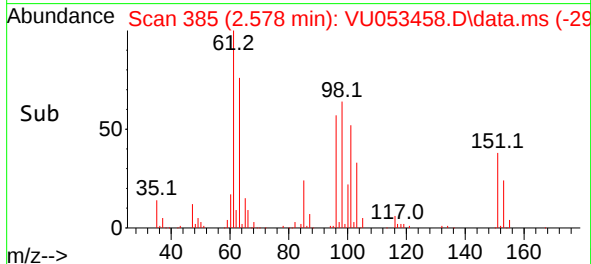
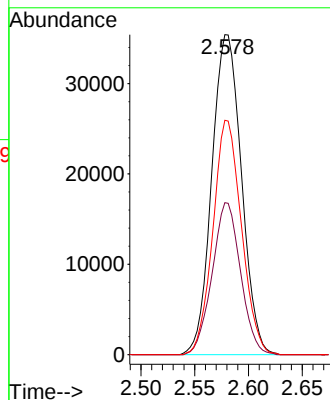
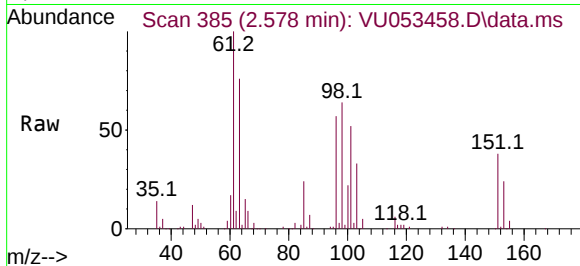




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.748 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

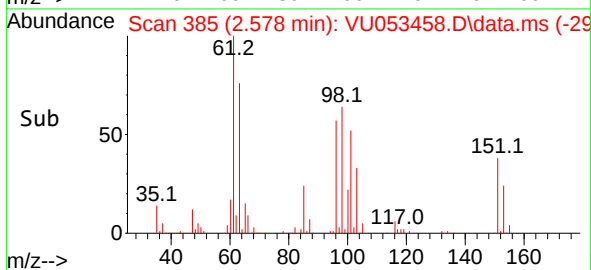
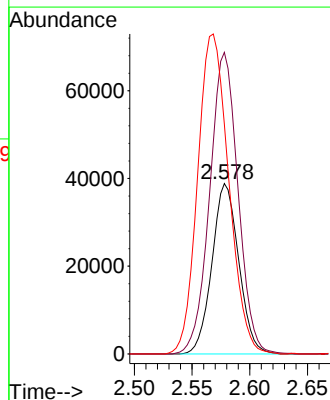
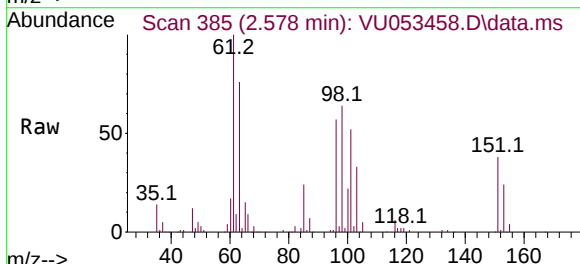
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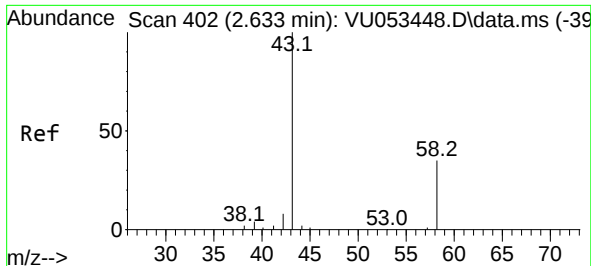
Tgt Ion:101 Resp: 67912
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.0 55.6
 151 70.5 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 42.568 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053458.D
 Acq: 29 Mar 2023 01:16

Tgt Ion: 96 Resp: 62541
 Ion Ratio Lower Upper
 96 100
 61 177.0 122.2 226.9
 63 134.8 89.9 166.9





#13

Acetone

Concen: 71.594 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

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MSVOA_U

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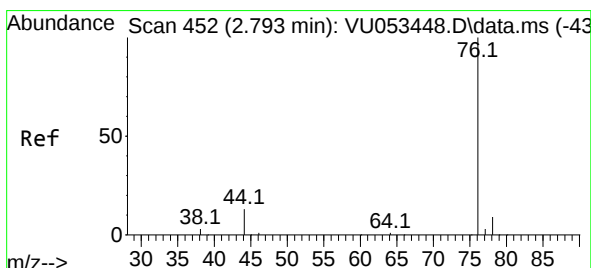
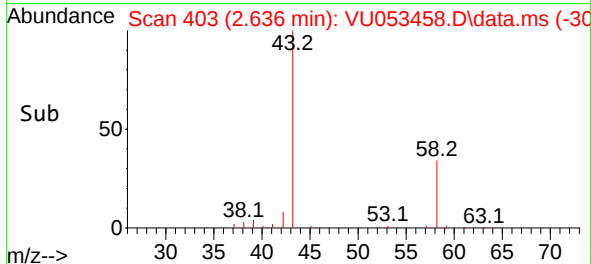
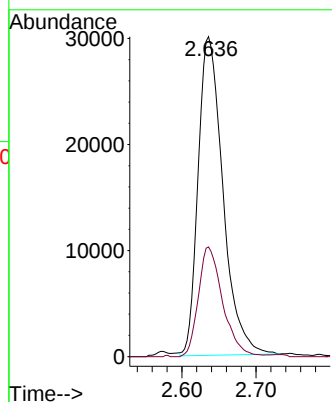
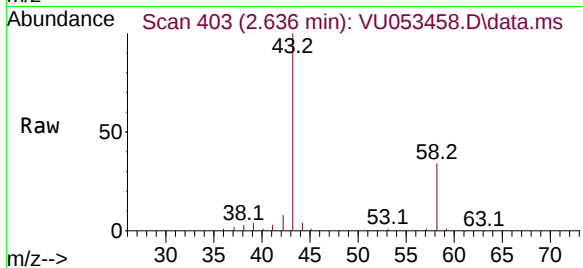
EYF64MS

Tgt Ion: 43 Resp: 69799

Ion Ratio Lower Upper

43 100

58 33.7 0.0 75.0



#14

Carbon disulfide

Concen: 36.924 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053458.D

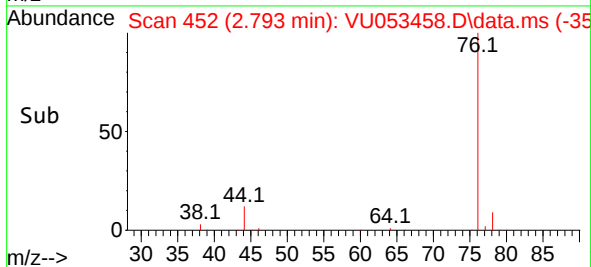
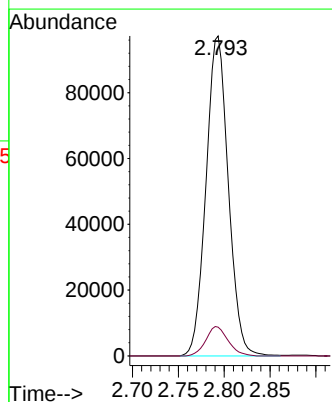
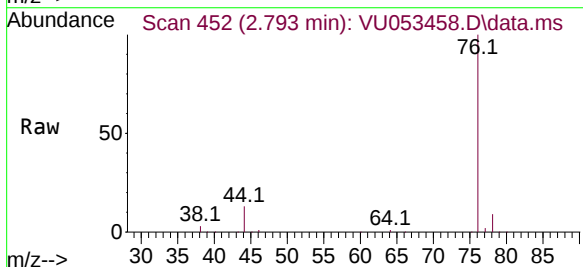
Acq: 29 Mar 2023 01:16

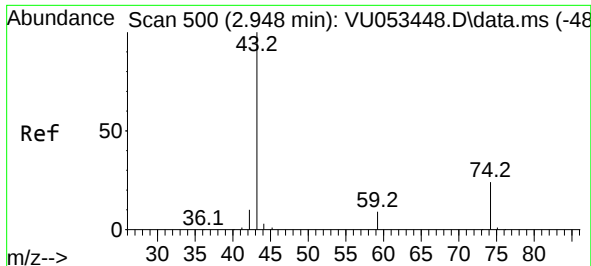
Tgt Ion: 76 Resp: 164309

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

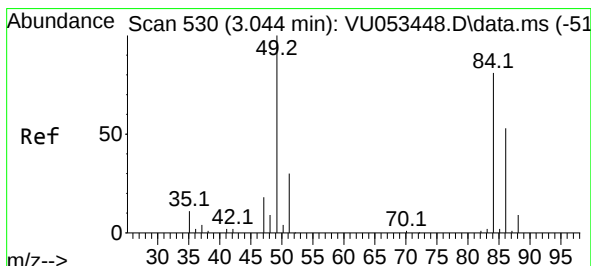
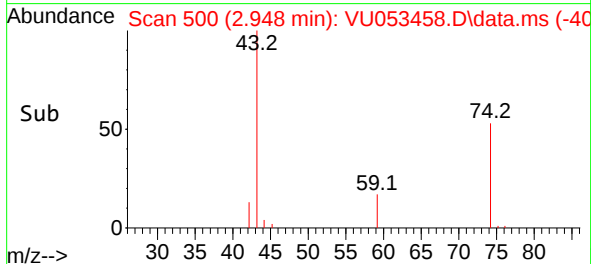
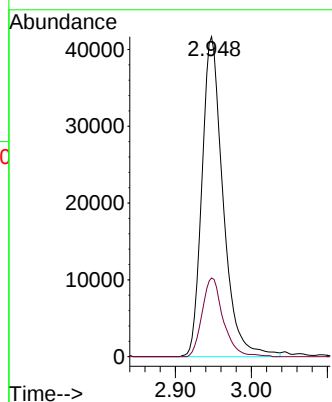
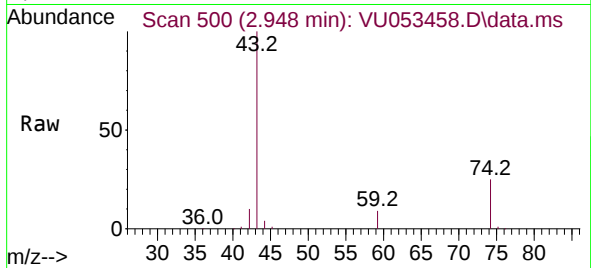




#15
Methyl Acetate
Concen: 60.329 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

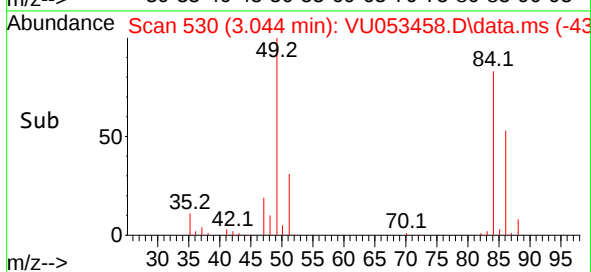
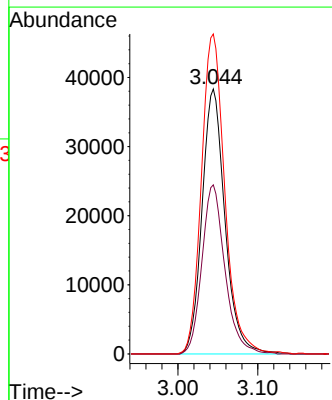
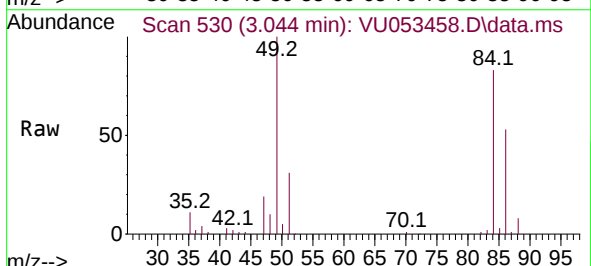
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

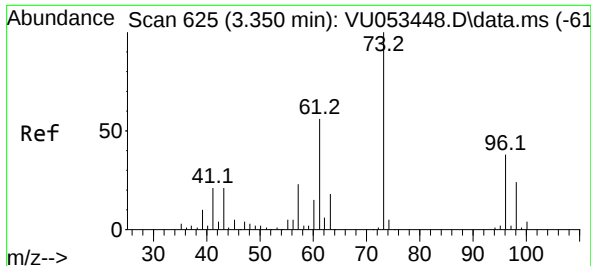
Tgt Ion: 43 Resp: 80618
Ion Ratio Lower Upper
43 100
74 24.0 21.4 32.0



#16
Methylene chloride
Concen: 42.801 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 84 Resp: 76287
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.4
49 120.8 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 43.974 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

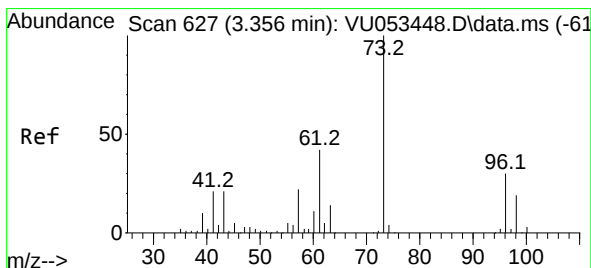
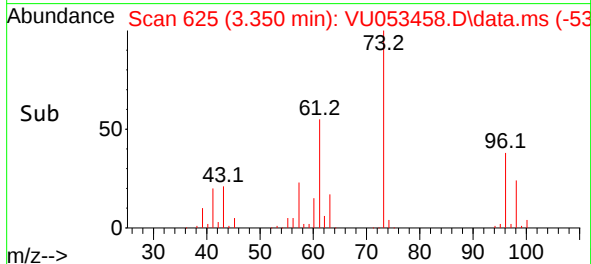
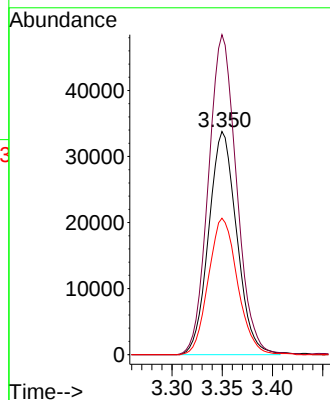
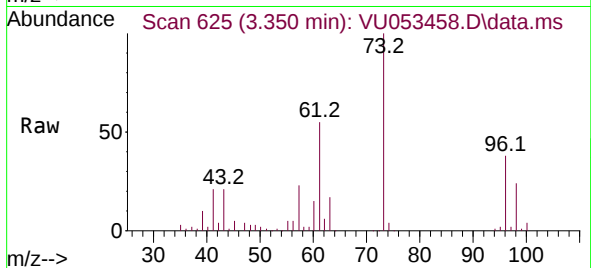
Tgt Ion: 96 Resp: 65553

Ion Ratio Lower Upper

96 100

61 143.4 99.6 185.0

98 61.1 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 46.027 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

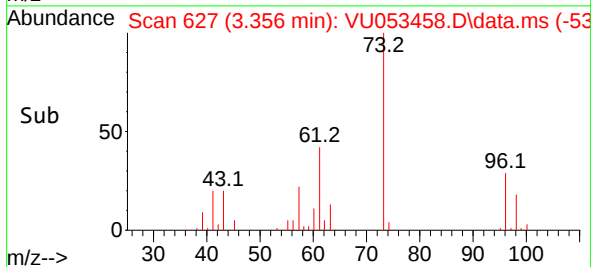
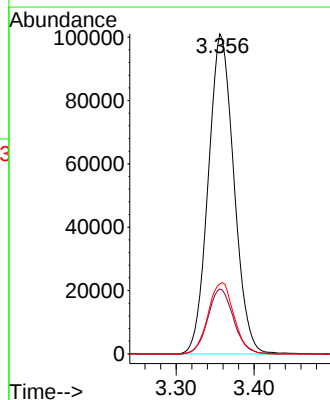
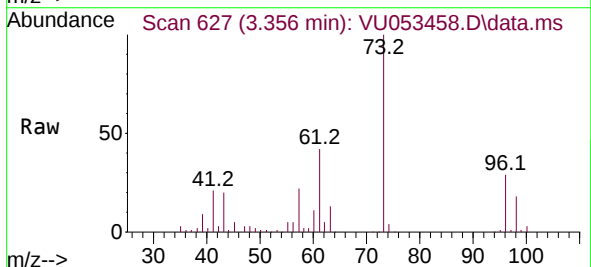
Tgt Ion: 73 Resp: 230718

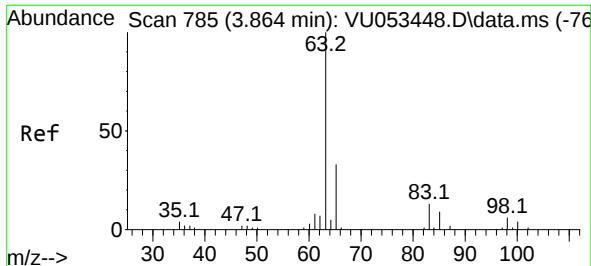
Ion Ratio Lower Upper

73 100

43 20.4 14.2 21.2

57 22.4 18.0 27.0

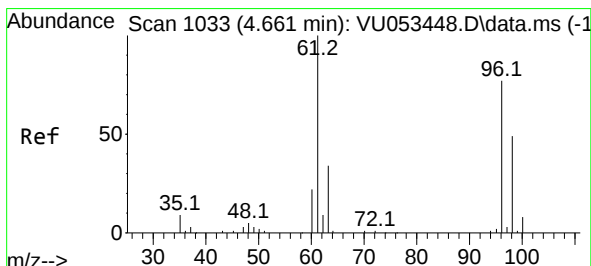
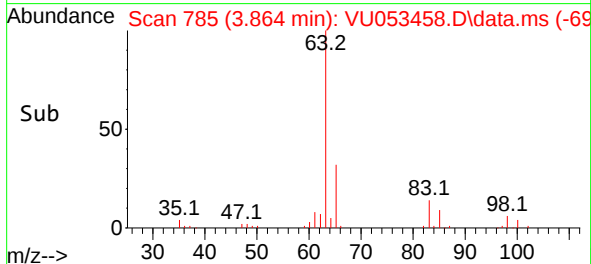
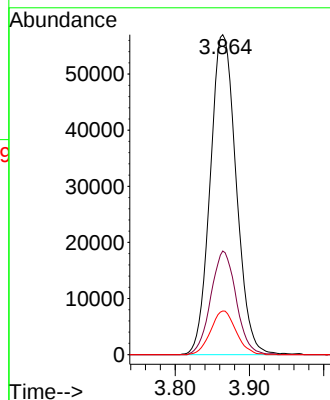
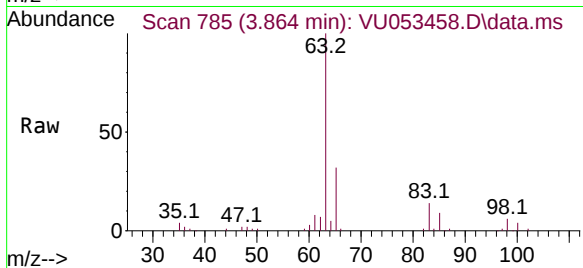




#19
1,1-Dichloroethane
Concen: 45.497 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

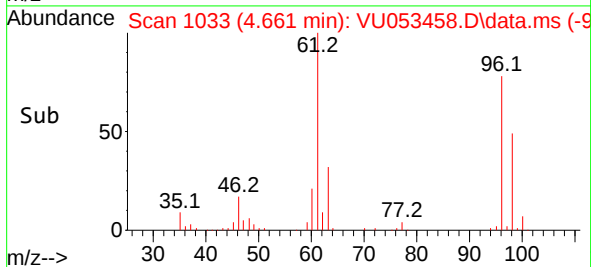
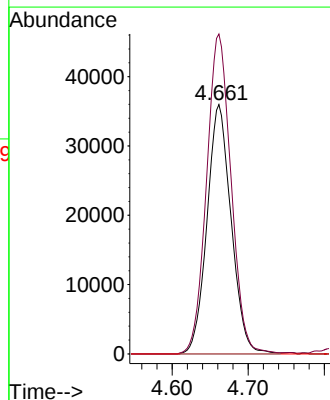
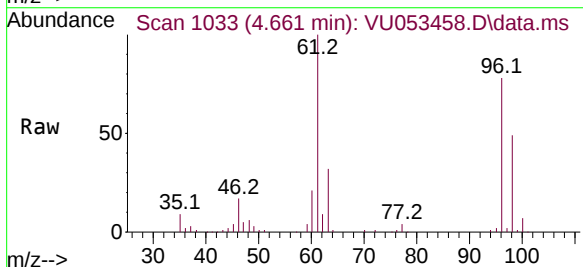
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

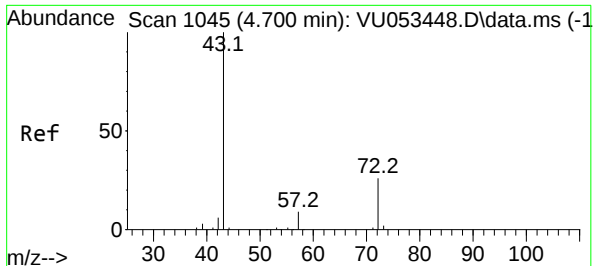
Tgt Ion:	63	Resp:	138445
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.8	42.4
83	13.6	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 45.305 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion:	96	Resp:	79325
Ion	Ratio	Lower	Upper
96	100		
61	128.3	92.5	171.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 101.787 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

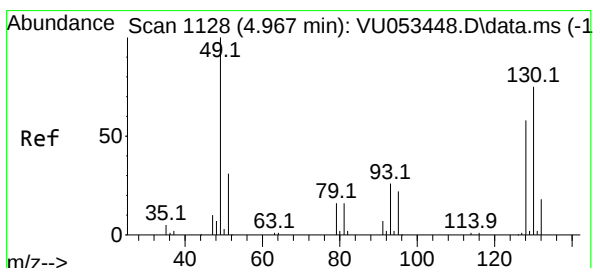
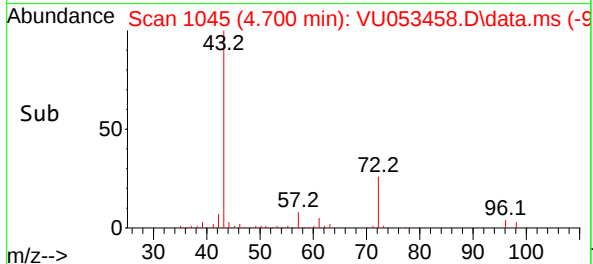
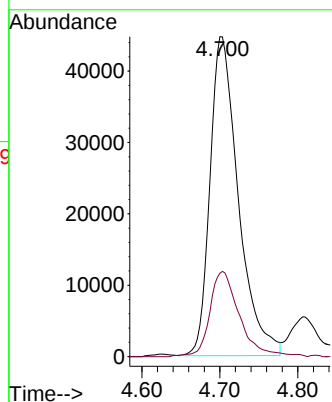
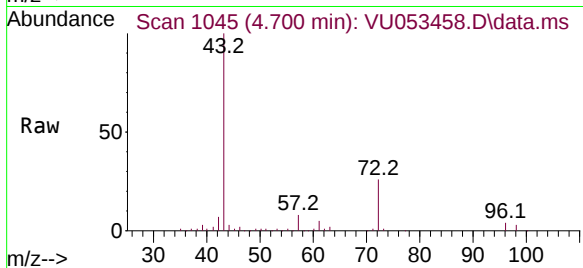
EYF64MS

Tgt Ion: 43 Resp: 113056

Ion Ratio Lower Upper

43 100

72 27.7 16.0 47.9



#23

Bromochloromethane

Concen: 47.147 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Tgt Ion:128 Resp: 39361

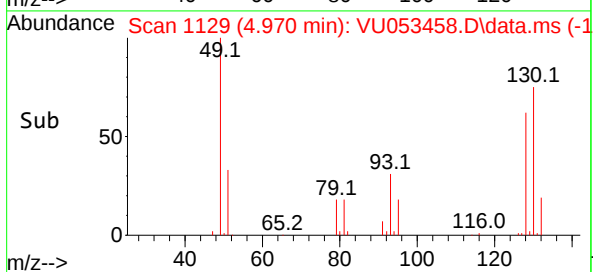
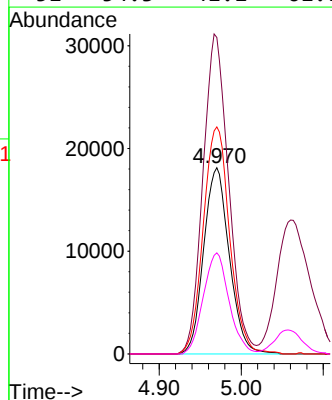
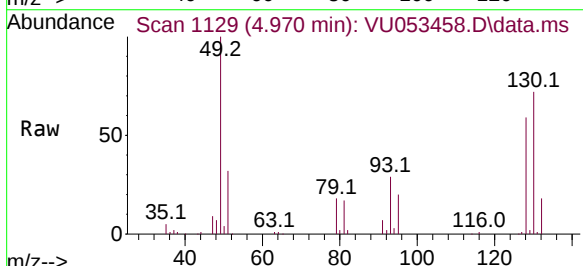
Ion Ratio Lower Upper

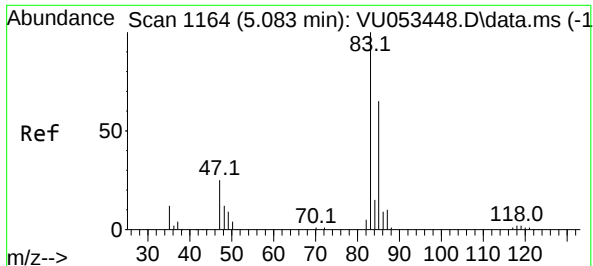
128 100

49 170.0 109.9 204.1

130 122.0 87.2 161.9

51 54.3 41.1 61.7

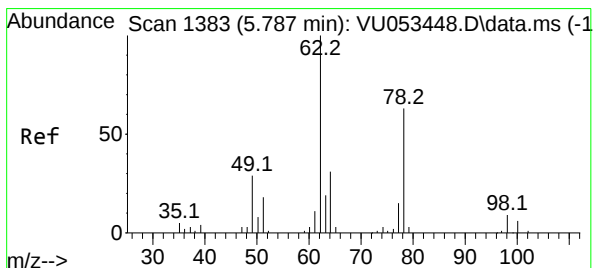
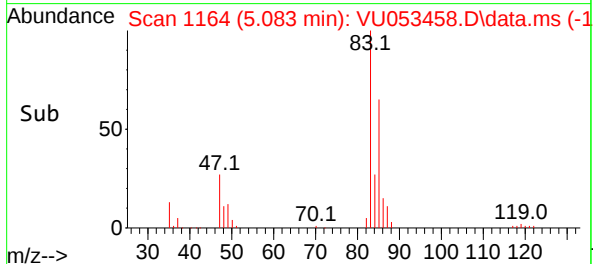
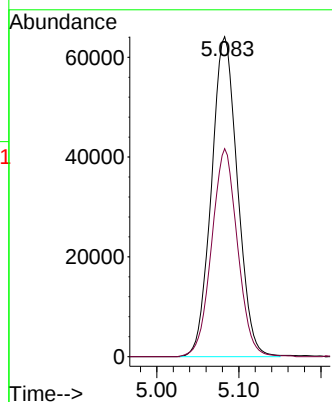
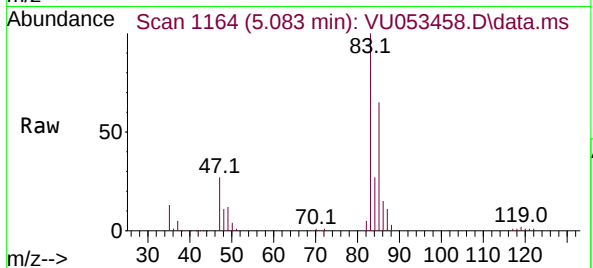




#25
Chloroform
Concen: 46.510 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

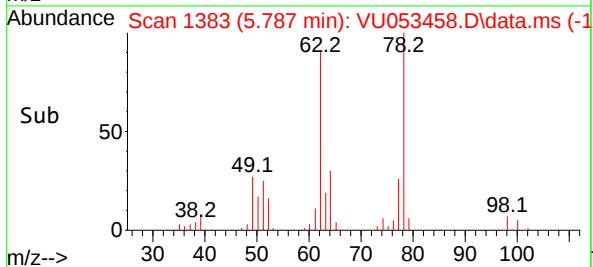
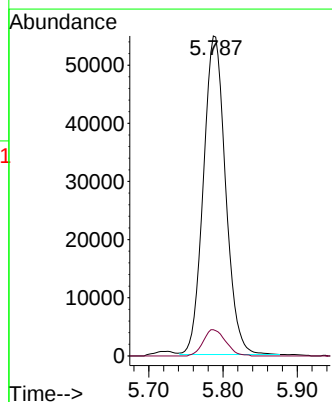
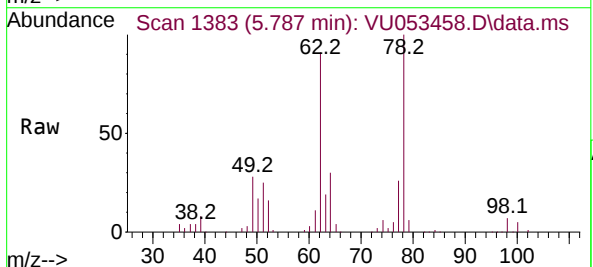
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

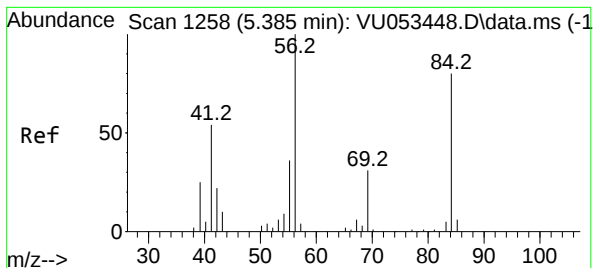
Tgt Ion: 83 Resp: 141624
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.370 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 62 Resp: 113865
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 41.649 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

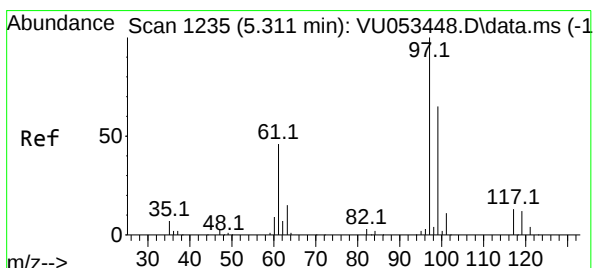
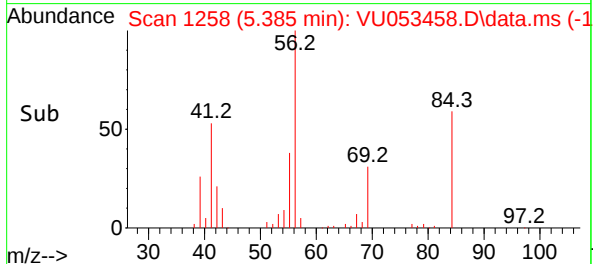
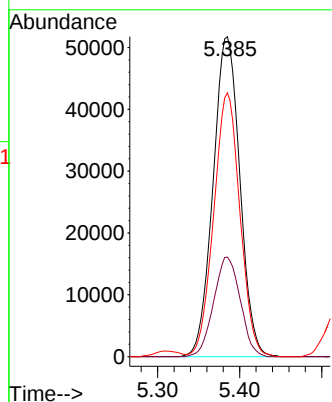
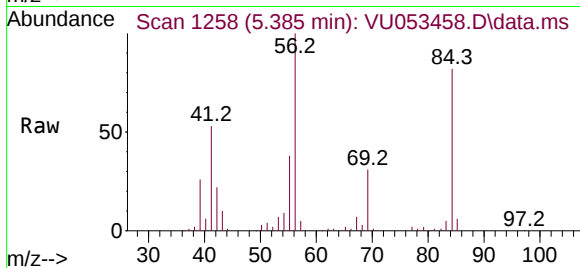
Tgt Ion: 56 Resp: 117389

Ion Ratio Lower Upper

56 100

69 30.8 25.4 38.0

84 80.7 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 45.424 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

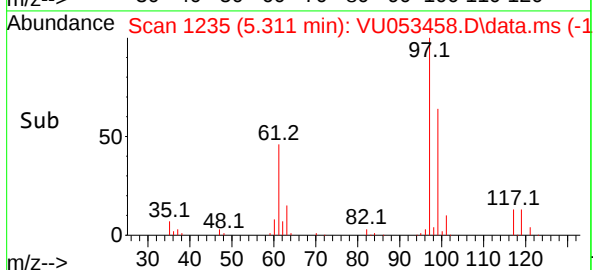
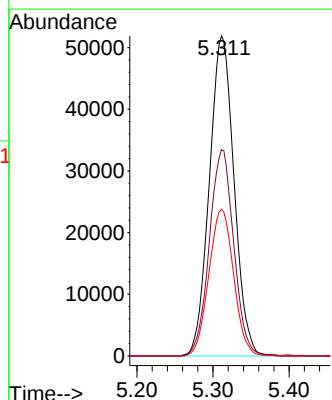
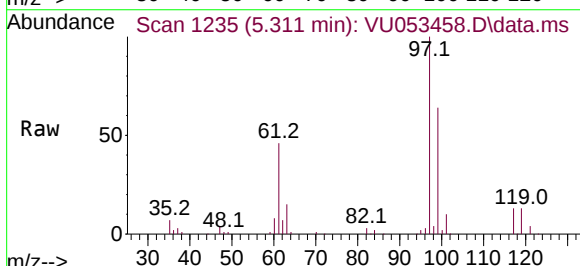
Tgt Ion: 97 Resp: 117119

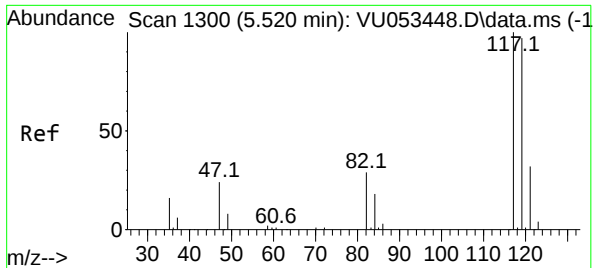
Ion Ratio Lower Upper

97 100

99 63.5 50.6 76.0

61 45.8 36.0 54.0

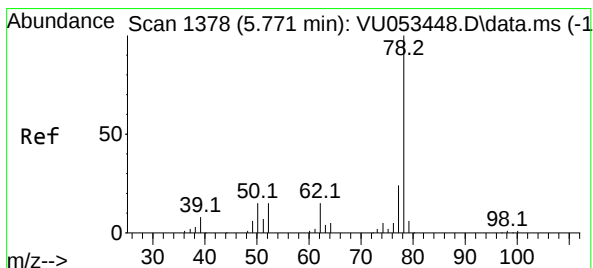
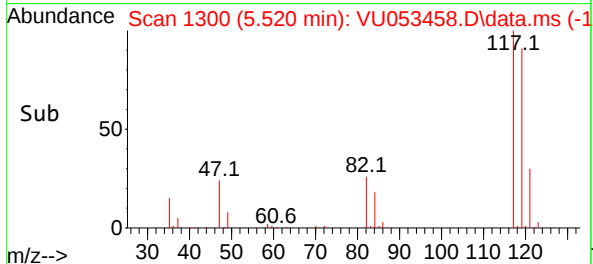
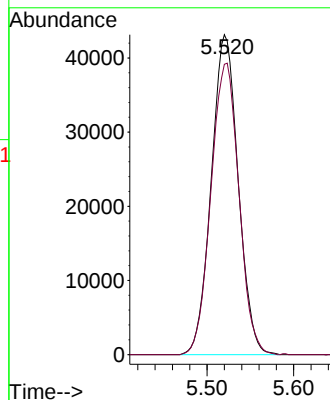
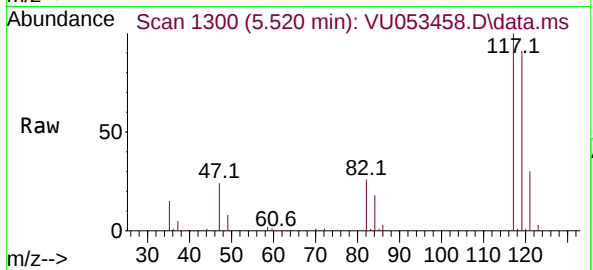




#31
Carbon tetrachloride
Concen: 44.089 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

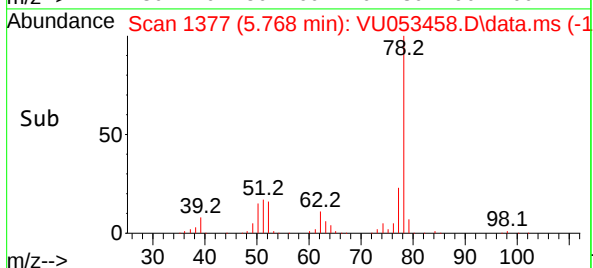
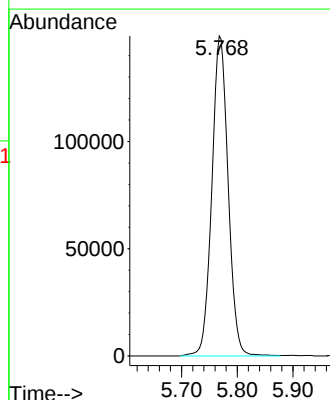
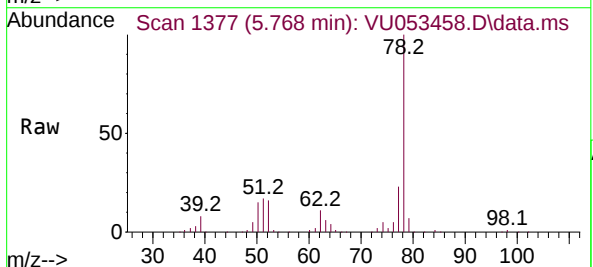
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

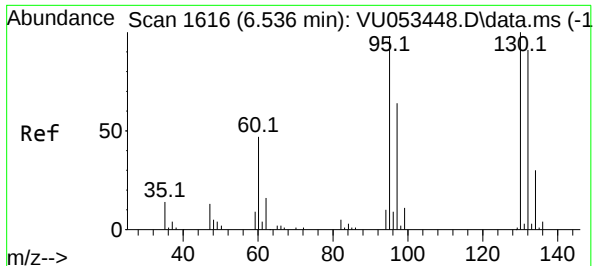
Tgt Ion:117 Resp: 93130
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.2



#33
Benzene
Concen: 46.193 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 78 Resp: 302932

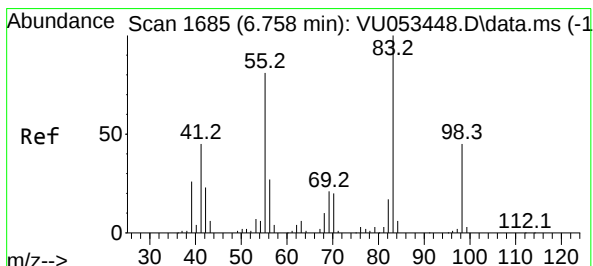
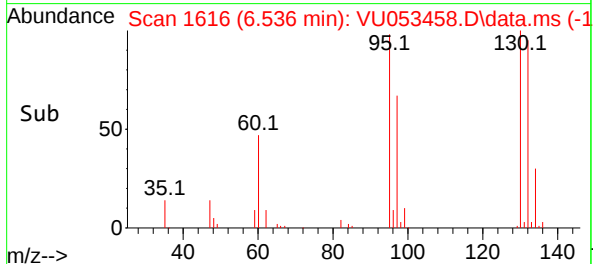
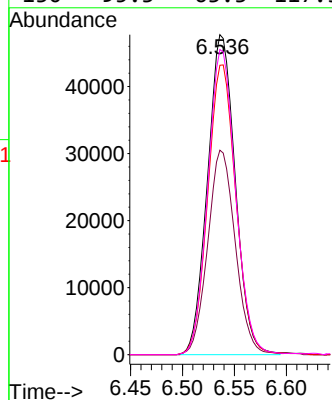
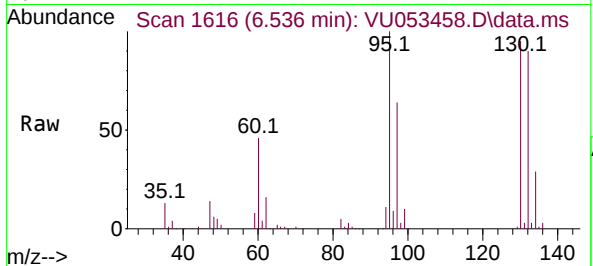




#34
Trichloroethene
Concen: 51.886 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

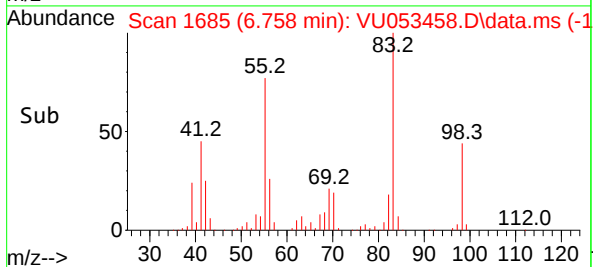
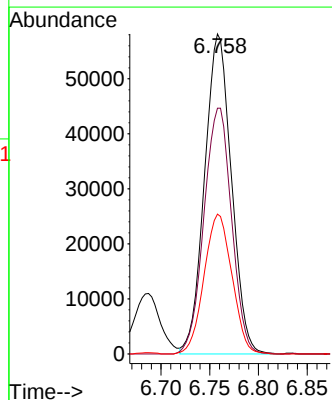
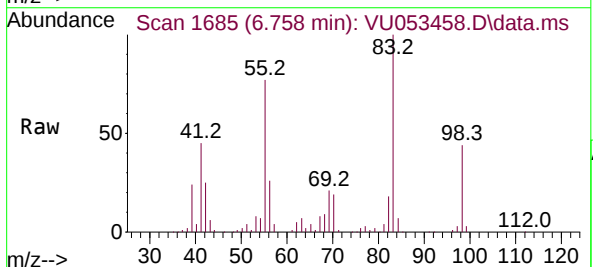
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

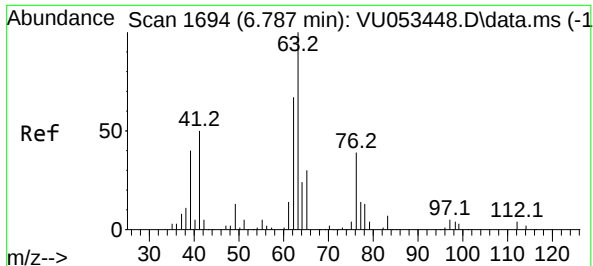
Tgt Ion: 95 Resp: 88721
Ion Ratio Lower Upper
95 100
97 63.9 43.8 81.3
132 90.4 61.5 114.3
130 95.3 63.3 117.5



#35
Methylcyclohexane
Concen: 37.211 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 83 Resp: 111534
Ion Ratio Lower Upper
83 100
55 78.9 58.2 87.4
98 45.3 35.4 53.2





#37

1,2-Dichloropropane

Concen: 46.975 ug/L

RT: 6.784 min Scan# 1694

Delta R.T. -0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

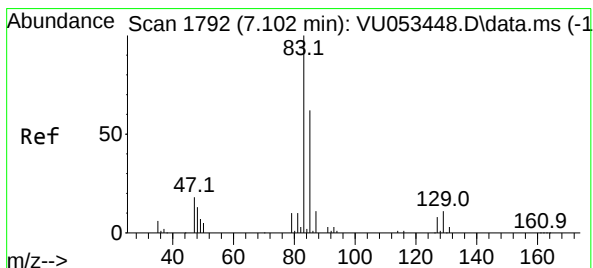
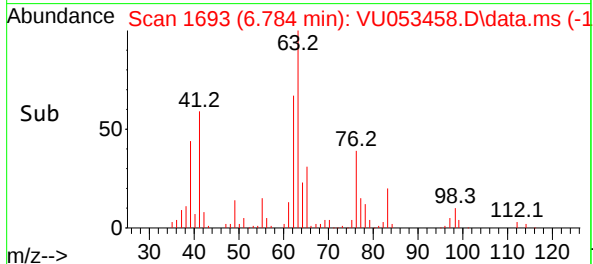
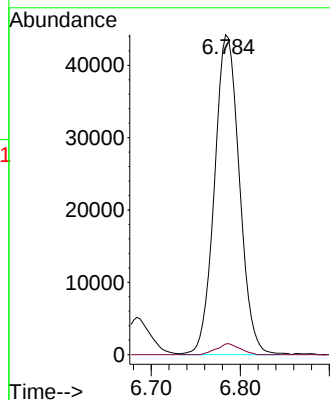
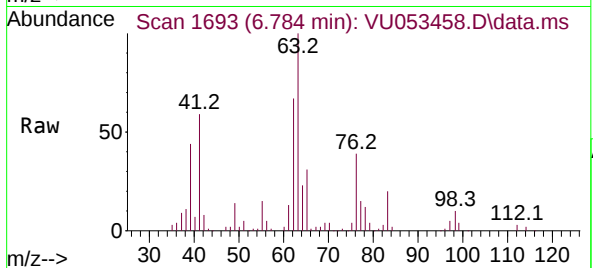
EYF64MS

Tgt Ion: 63 Resp: 85947

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 44.932 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

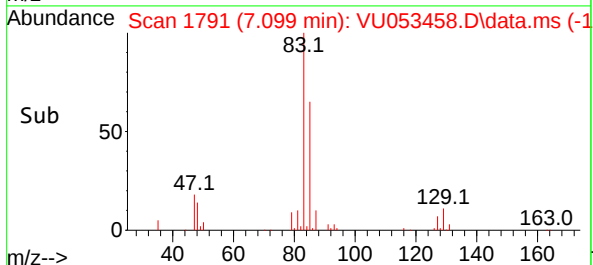
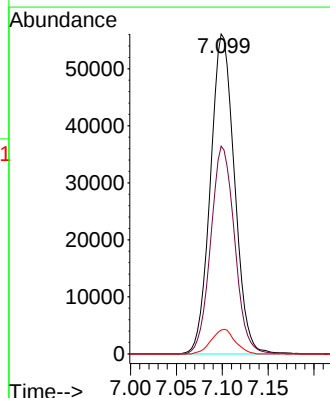
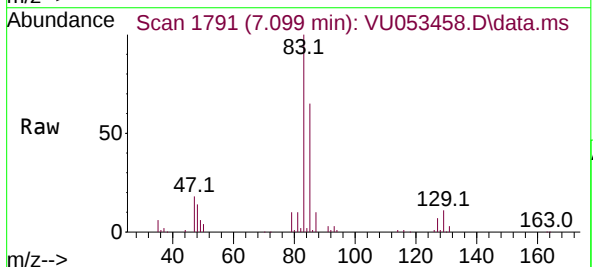
Tgt Ion: 83 Resp: 102308

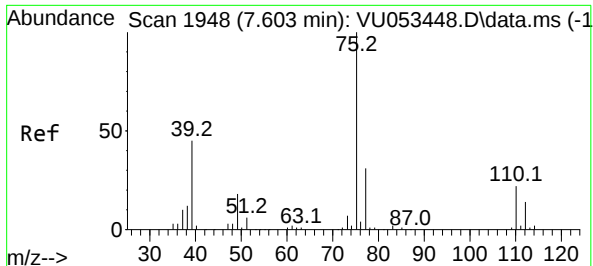
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2

127 7.4 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.256 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

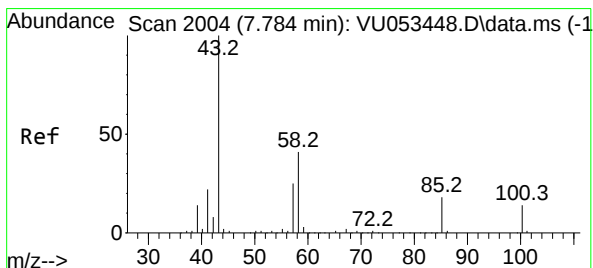
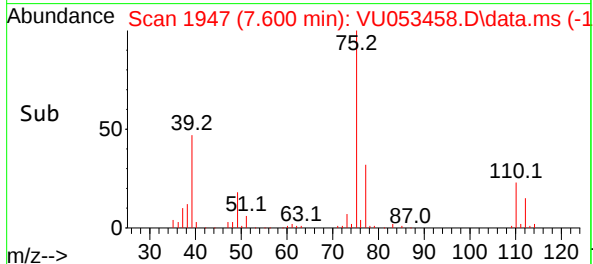
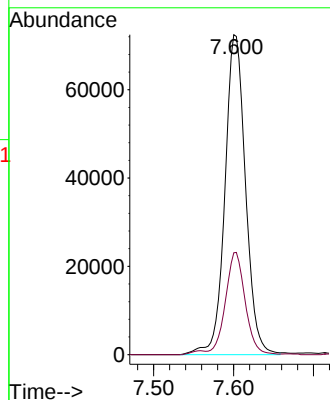
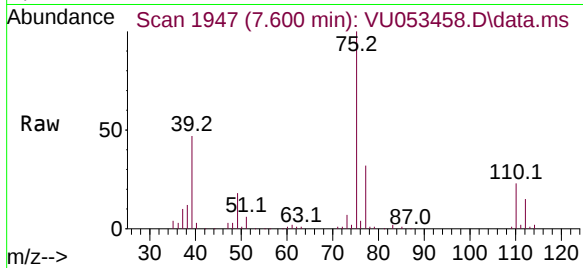
EYF64MS

Tgt Ion: 75 Resp: 130027

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 121.669 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

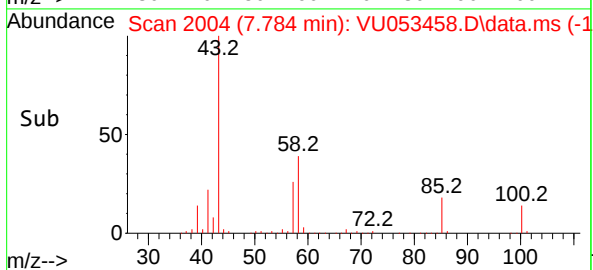
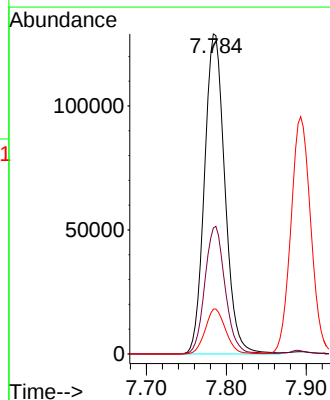
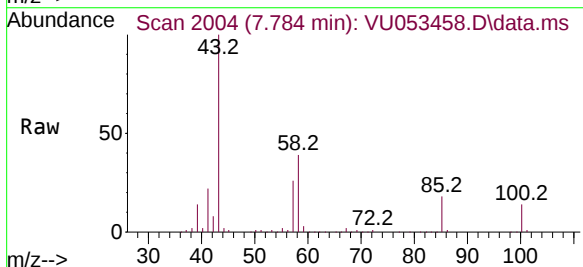
Tgt Ion: 43 Resp: 228808

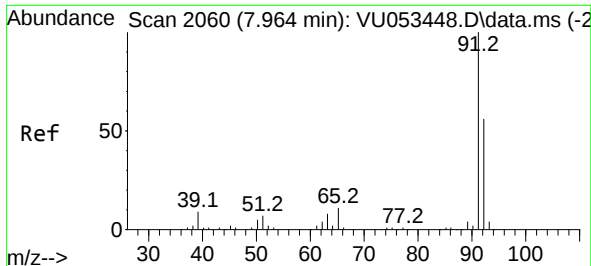
Ion Ratio Lower Upper

43 100

58 39.6 35.8 53.6

100 14.0 13.0 19.6





#42

Toluene

Concen: 45.292 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

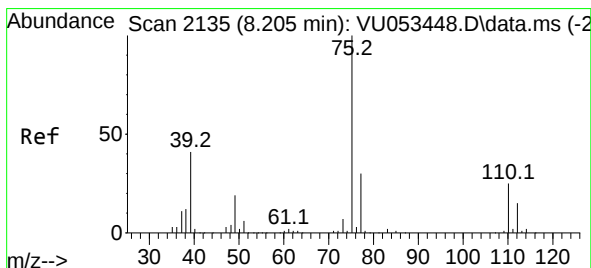
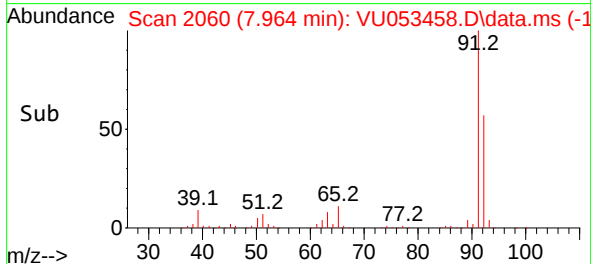
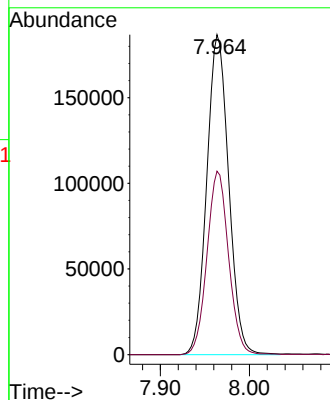
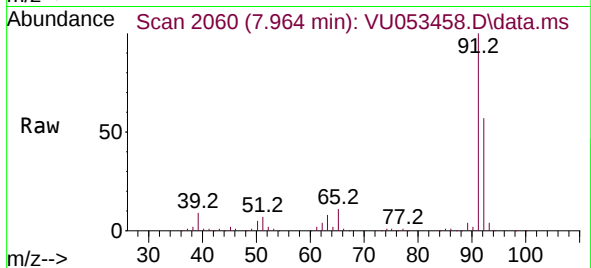
EYF64MS

Tgt Ion: 91 Resp: 319320

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.172 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053458.D

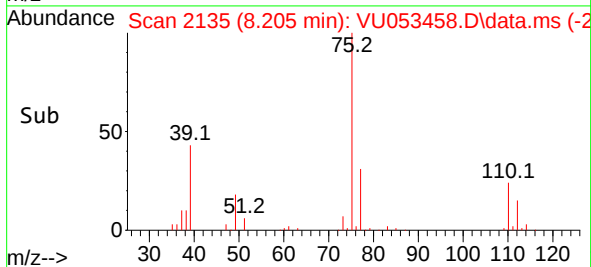
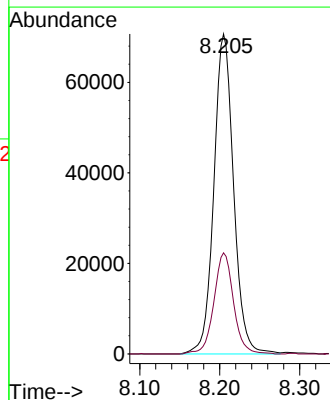
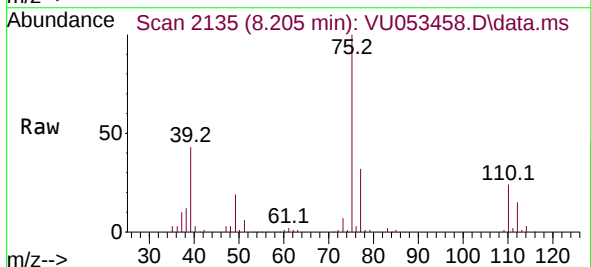
Acq: 29 Mar 2023 01:16

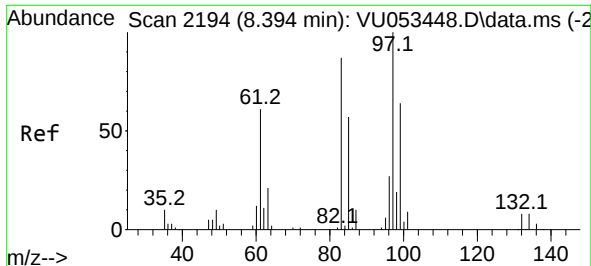
Tgt Ion: 75 Resp: 121374

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 48.324 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

Tgt Ion: 97 Resp: 80507

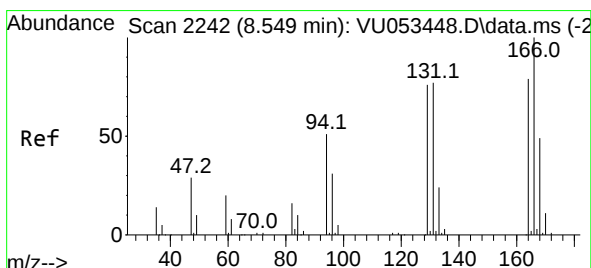
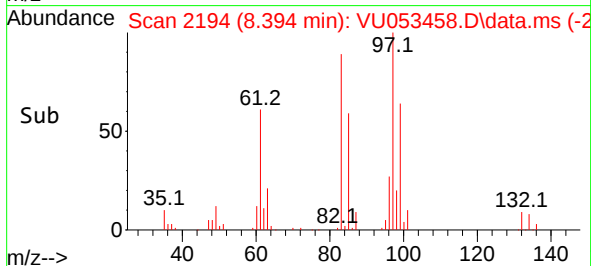
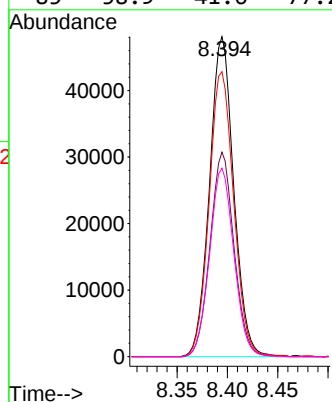
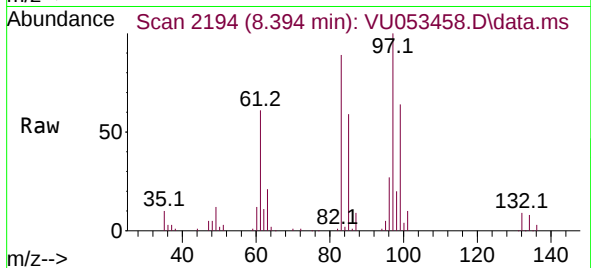
Ion Ratio Lower Upper

97 100

99 63.9 44.4 82.4

83 89.0 63.8 118.6

85 58.9 41.6 77.2



#46

Tetrachloroethene

Concen: 47.351 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Tgt Ion:164 Resp: 52677

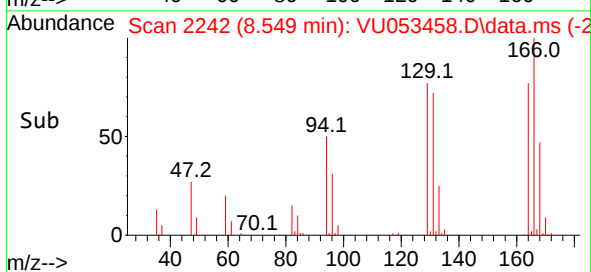
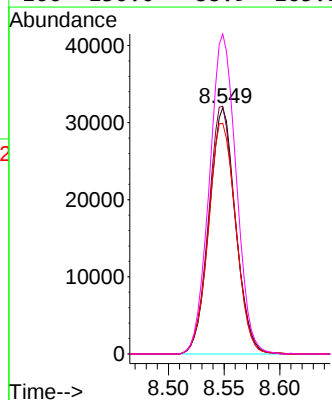
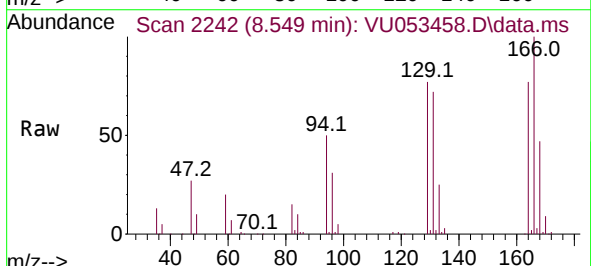
Ion Ratio Lower Upper

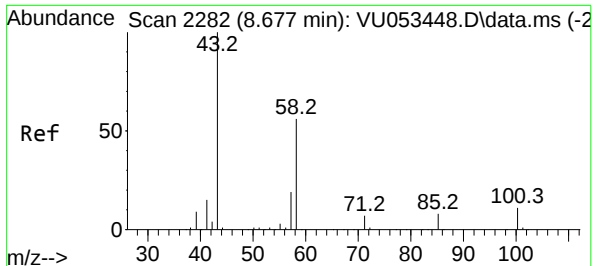
164 100

129 100.6 73.6 136.8

131 93.7 70.3 130.7

166 130.0 88.9 165.1





#48

2-Hexanone

Concen: 111.734 ug/L

RT: 8.677 min Scan# 2282

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

Tgt Ion: 43 Resp: 175957

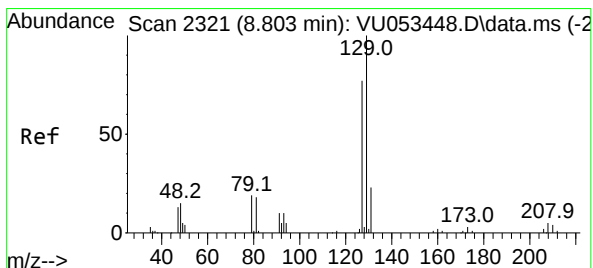
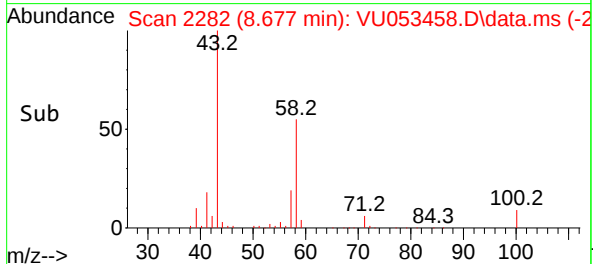
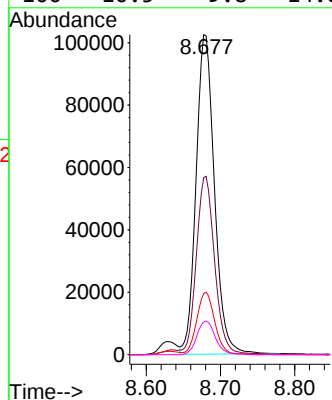
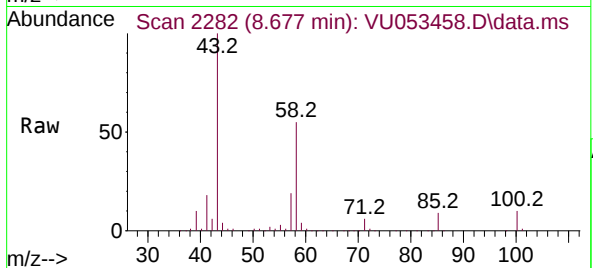
Ion Ratio Lower Upper

43 100

58 54.8 49.4 74.0

57 19.3 16.9 25.3

100 10.5 9.8 14.8



#49

Dibromochloromethane

Concen: 42.683 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VU053458.D

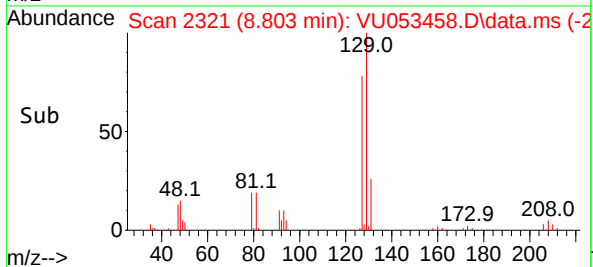
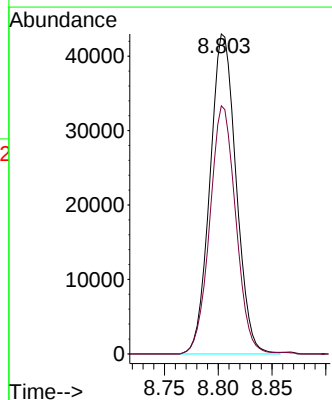
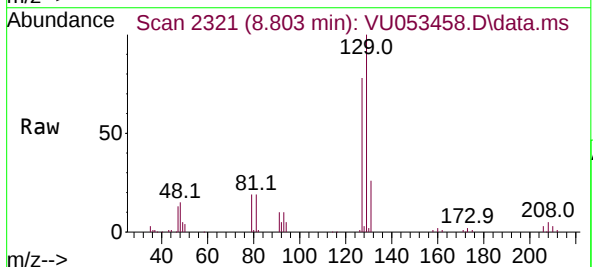
Acq: 29 Mar 2023 01:16

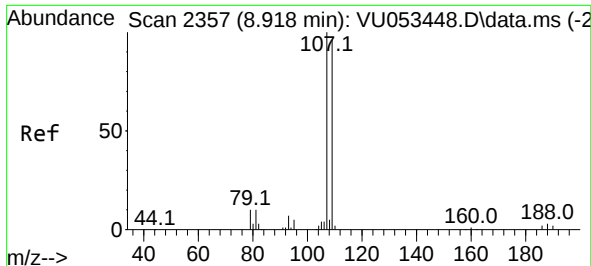
Tgt Ion: 129 Resp: 72741

Ion Ratio Lower Upper

129 100

127 77.5 53.1 98.5





#50

1,2-Dibromoethane

Concen: 47.974 ug/L

RT: 8.919 min Scan# 2357

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

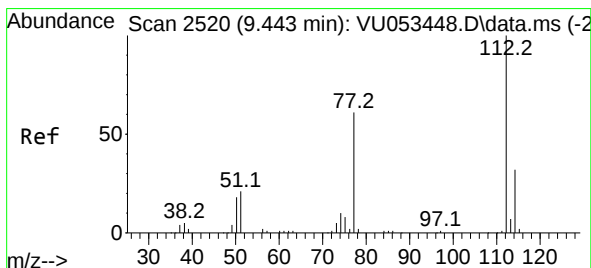
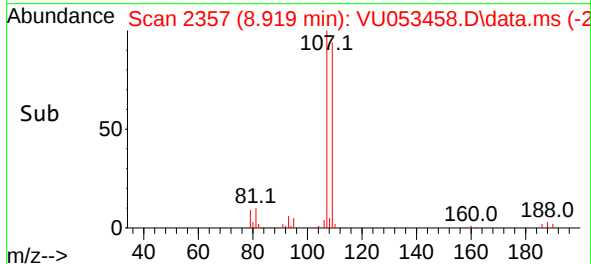
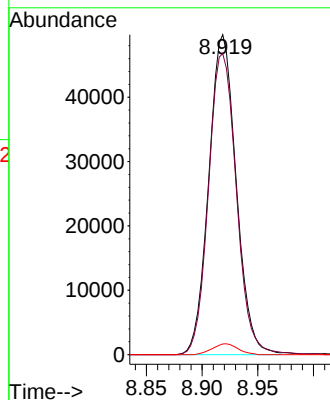
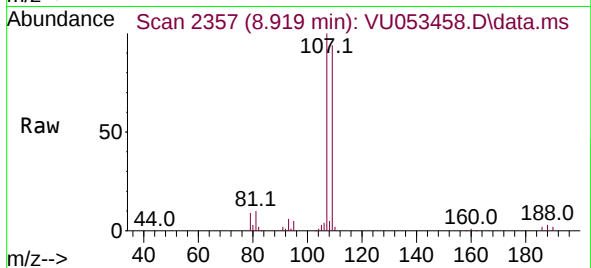
Tgt Ion:107 Resp: 85162

Ion Ratio Lower Upper

107 100

109 94.0 64.6 120.0

188 3.3 2.2 3.4



#51

Chlorobenzene

Concen: 46.106 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

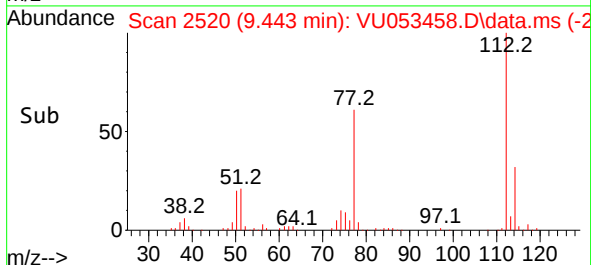
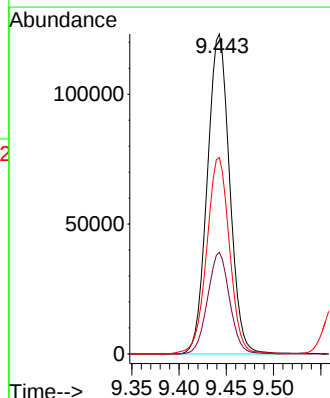
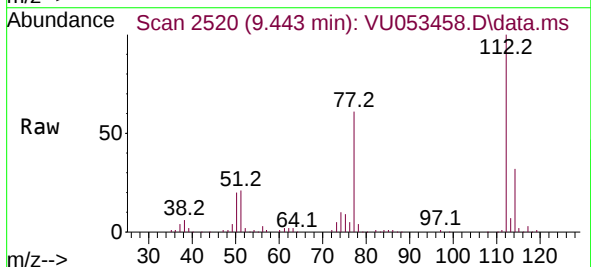
Tgt Ion:112 Resp: 202592

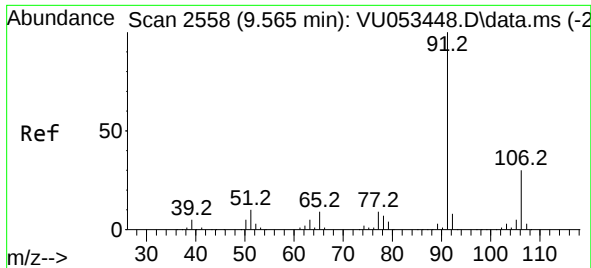
Ion Ratio Lower Upper

112 100

114 31.7 21.8 40.6

77 61.3 48.8 73.2

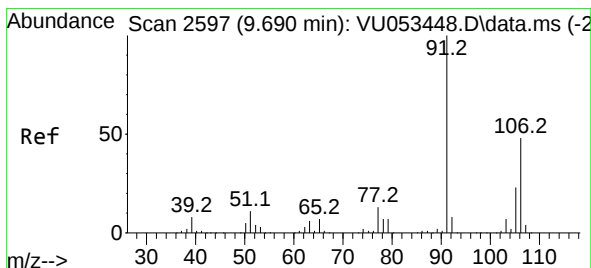
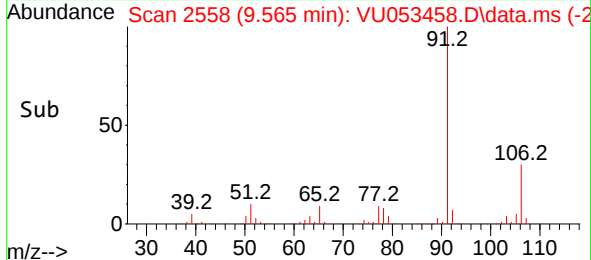
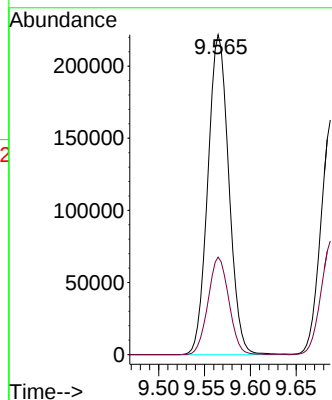
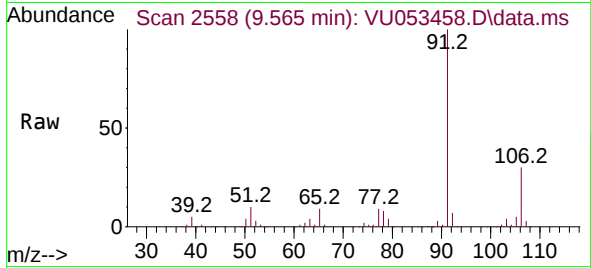




#52
Ethylbenzene
Concen: 44.134 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

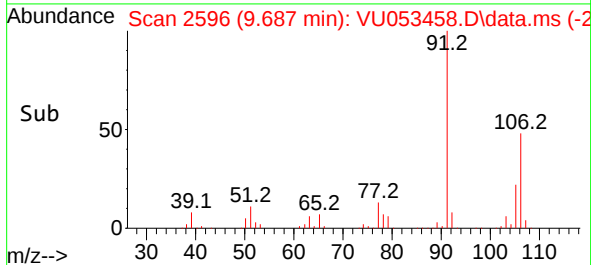
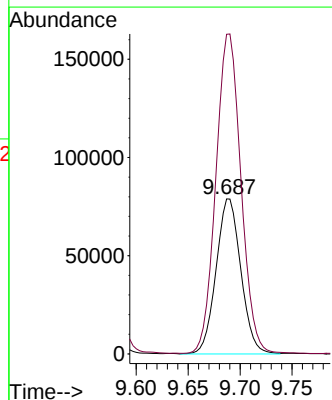
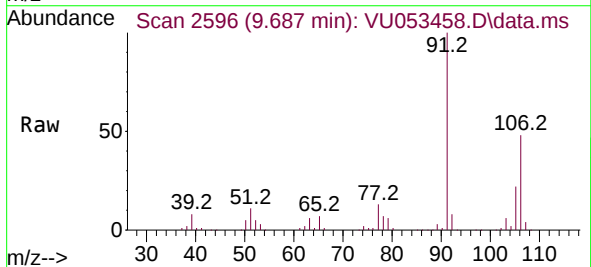
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

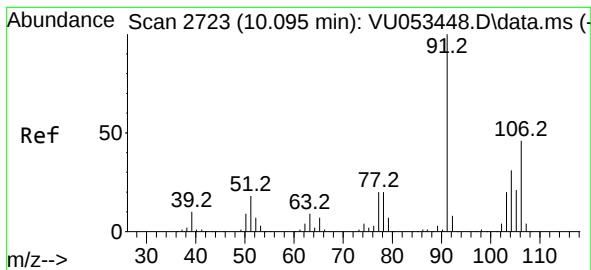
Tgt Ion: 91 Resp: 352861
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 43.754 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 106 Resp: 130567
Ion Ratio Lower Upper
106 100
91 206.3 145.3 269.8





#54

o-Xylene

Concen: 45.036 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

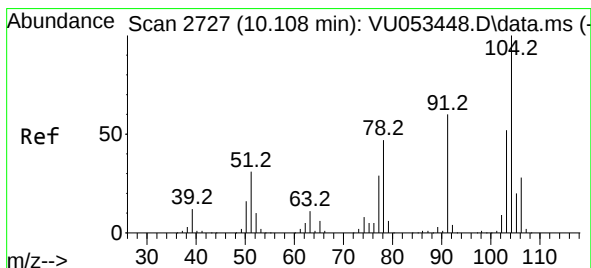
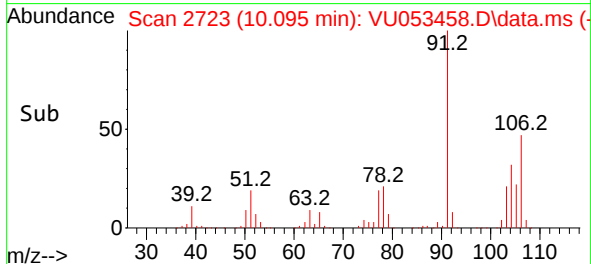
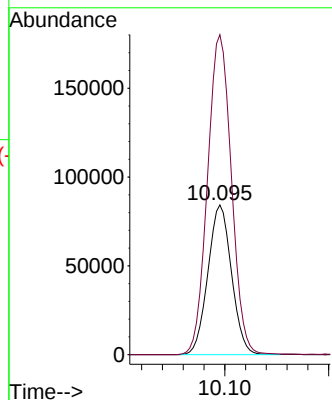
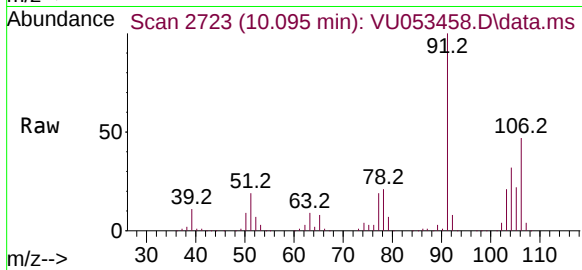
EYF64MS

Tgt Ion:106 Resp: 132919

Ion Ratio Lower Upper

106 100

91 213.8 154.9 287.7



#55

Styrene

Concen: 45.114 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053458.D

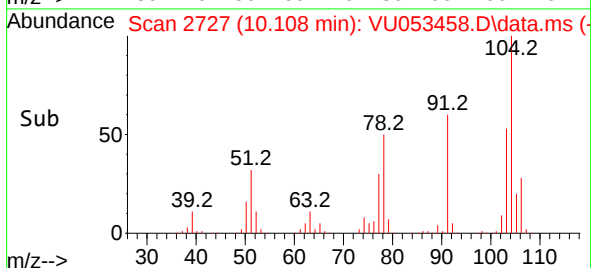
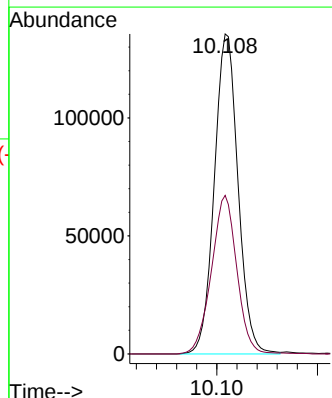
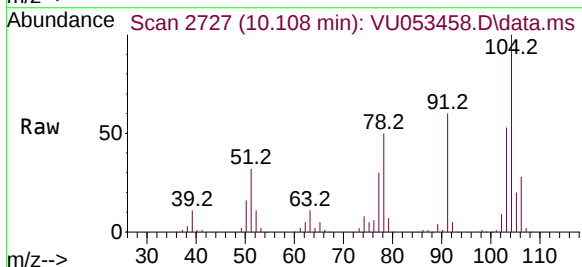
Acq: 29 Mar 2023 01:16

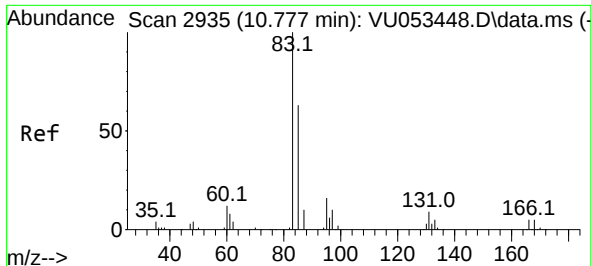
Tgt Ion:104 Resp: 221911

Ion Ratio Lower Upper

104 100

78 49.5 32.9 61.1

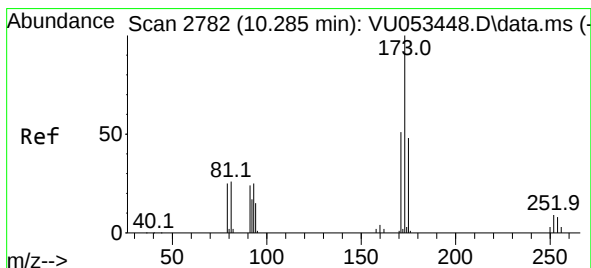
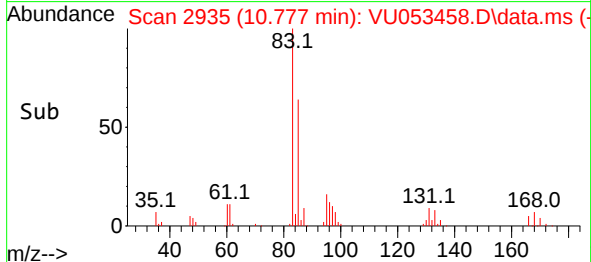
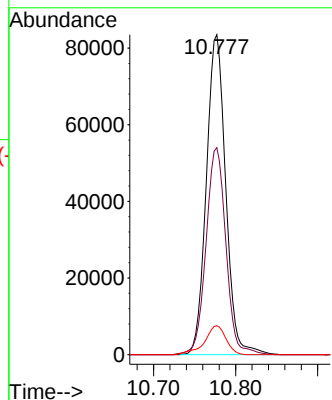
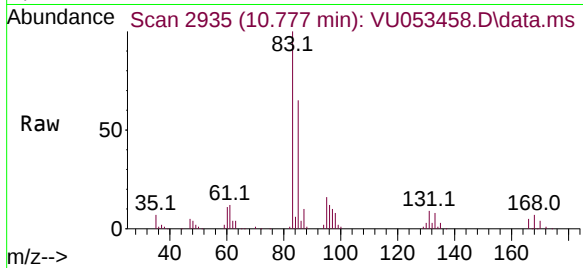




#57
1,1,2,2-Tetrachloroethane
Concen: 50.078 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

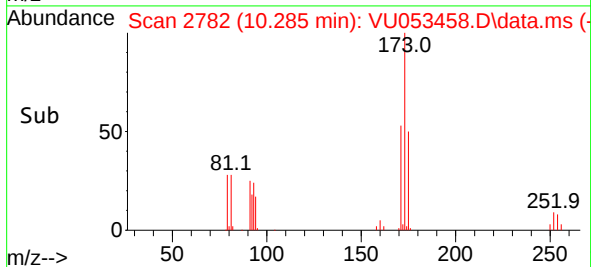
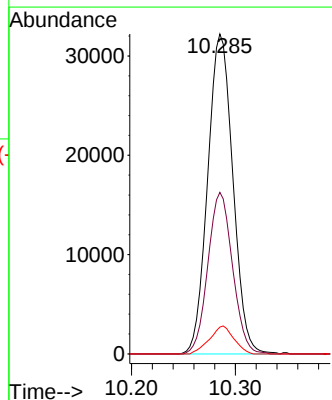
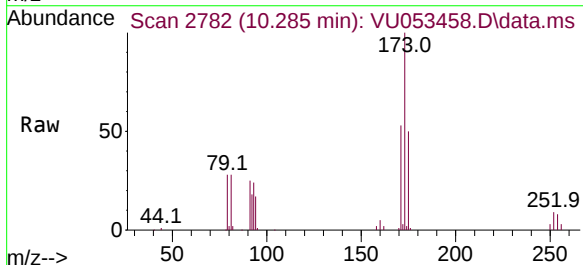
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

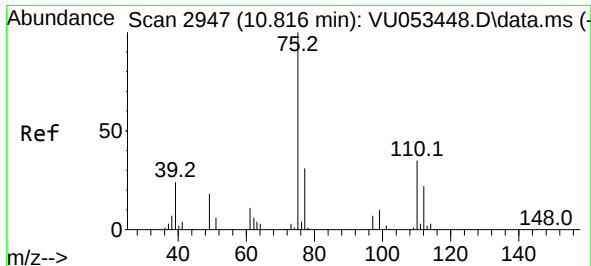
Tgt Ion: 83 Resp: 136785
Ion Ratio Lower Upper
83 100
85 64.7 46.0 85.4
131 9.0 6.6 10.0



#59
Bromoform
Concen: 48.360 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 173 Resp: 54168
Ion Ratio Lower Upper
173 100
175 49.3 38.5 57.7
254 8.4 6.5 9.7

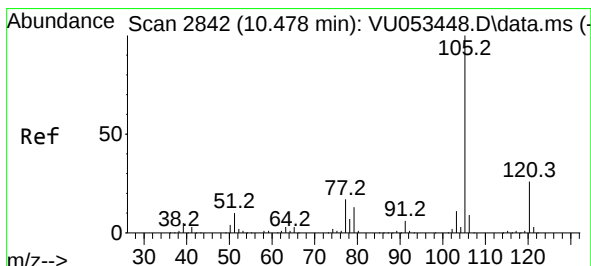
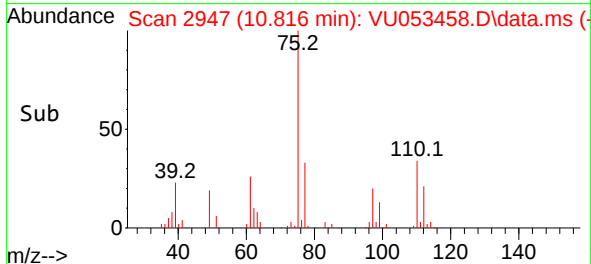
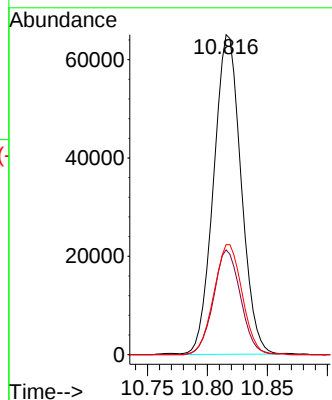
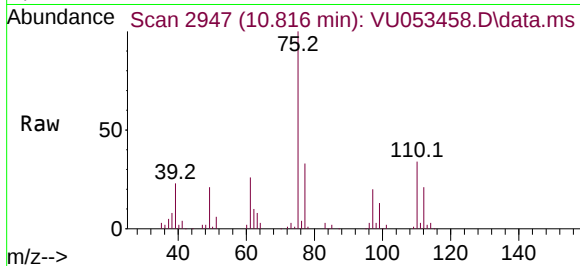




#60
1,2,3-Trichloropropane
Concen: 52.961 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

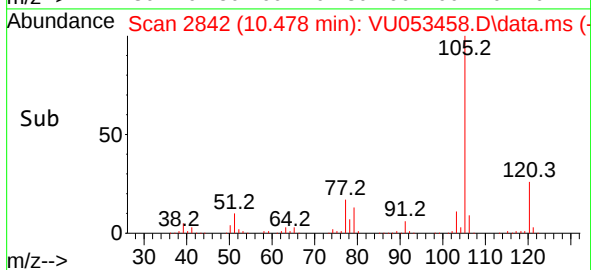
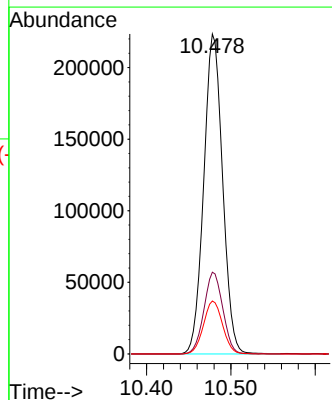
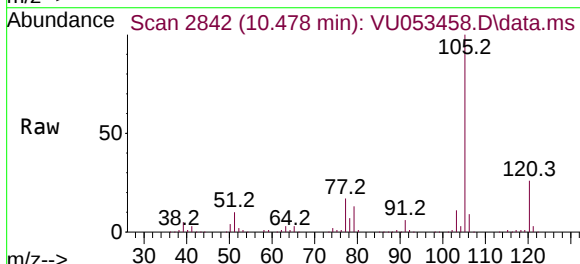
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

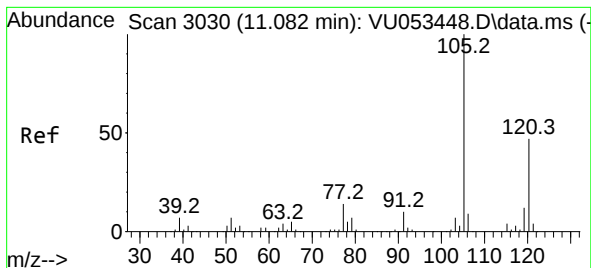
Tgt Ion: 75 Resp: 103583
Ion Ratio Lower Upper
75 100
77 32.3 26.6 40.0
110 35.4 28.6 42.8



#61
Isopropylbenzene
Concen: 44.471 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 105 Resp: 345836
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 16.7 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 43.361 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

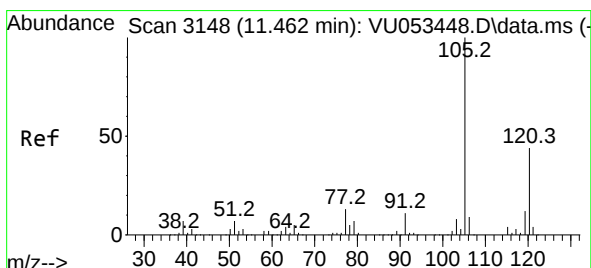
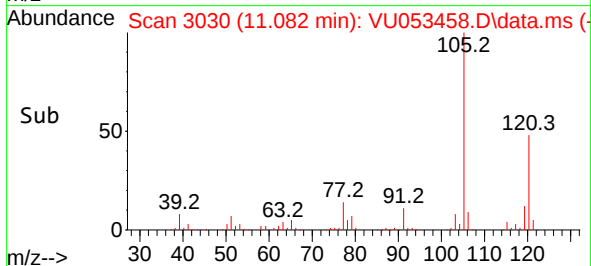
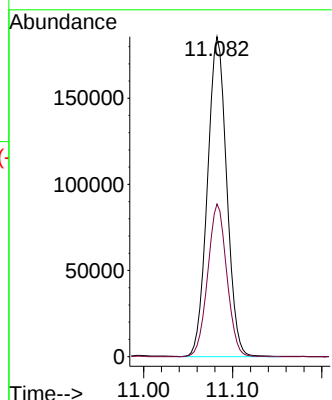
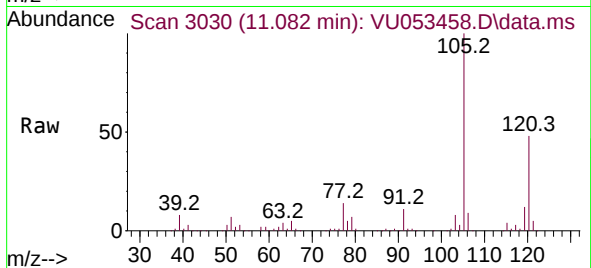
EYF64MS

Tgt Ion:105 Resp: 279127

Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 43.201 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053458.D

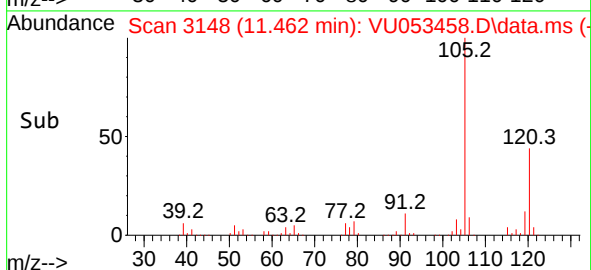
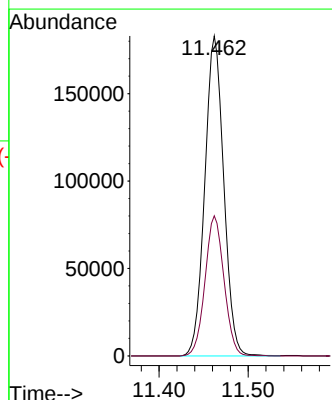
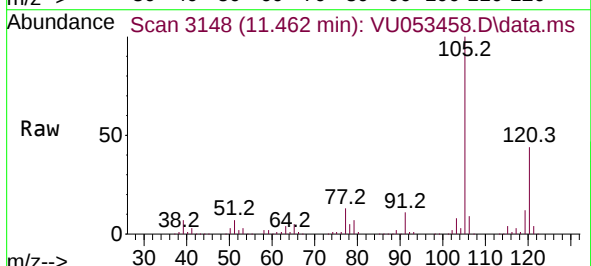
Acq: 29 Mar 2023 01:16

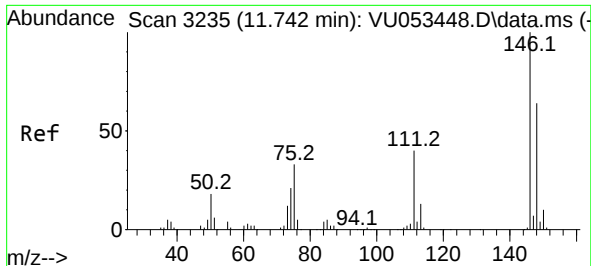
Tgt Ion:105 Resp: 271072

Ion Ratio Lower Upper

105 100

120 43.7 34.6 52.0

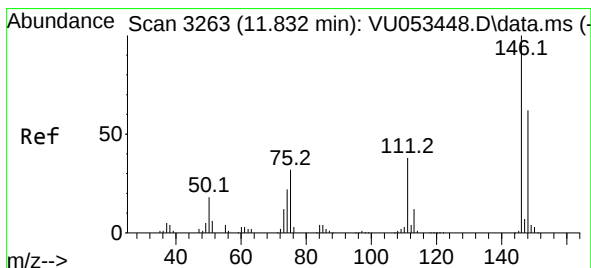
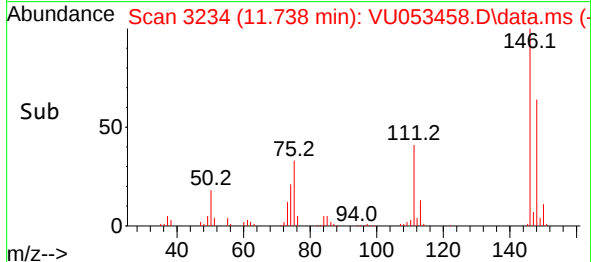
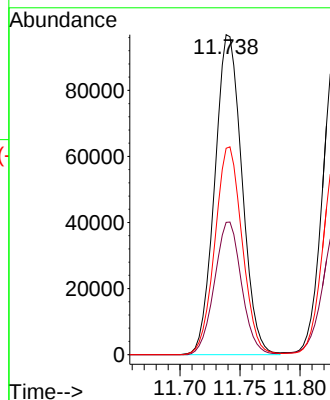
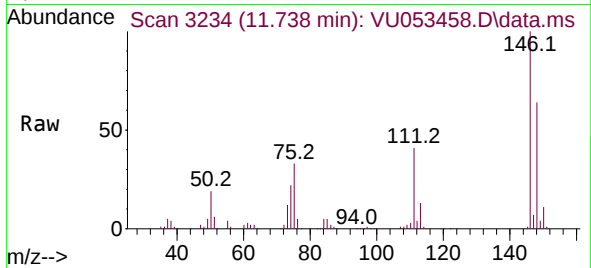




#64
1,3-Dichlorobenzene
Concen: 46.940 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

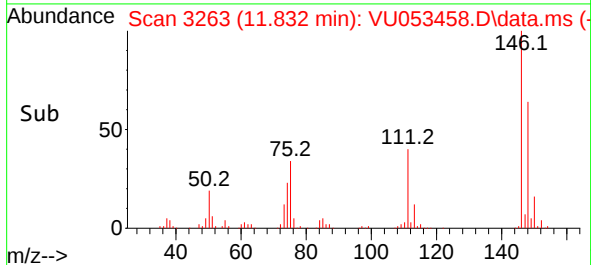
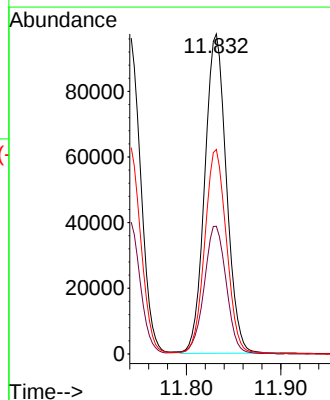
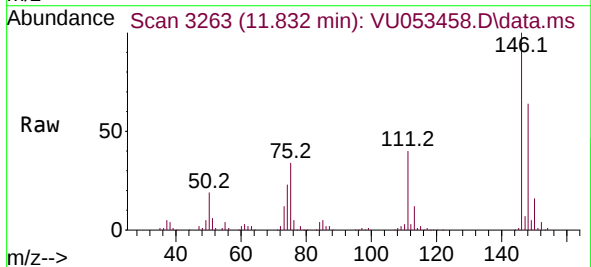
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

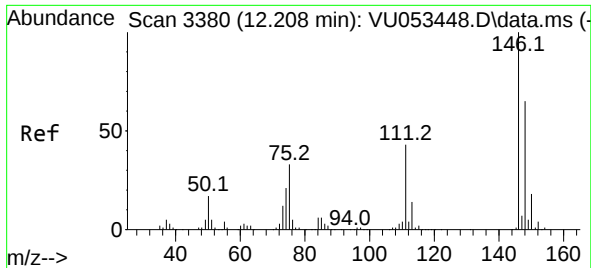
Tgt Ion:146 Resp: 153095
Ion Ratio Lower Upper
146 100
111 41.3 30.2 56.0
148 64.5 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 47.379 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion:146 Resp: 155130
Ion Ratio Lower Upper
146 100
111 39.9 30.7 57.1
148 63.9 45.6 84.8

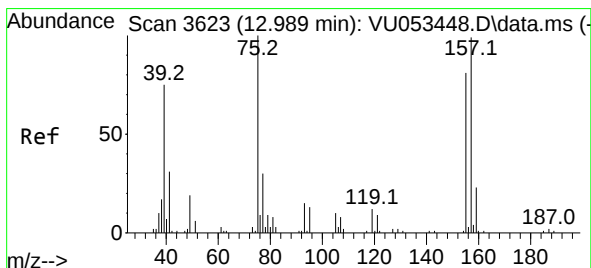
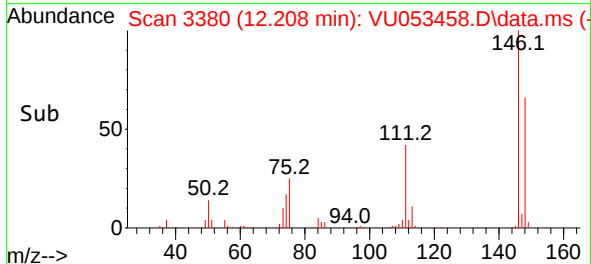
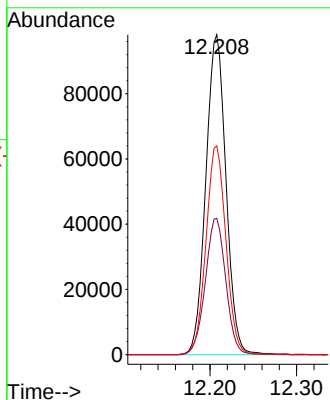
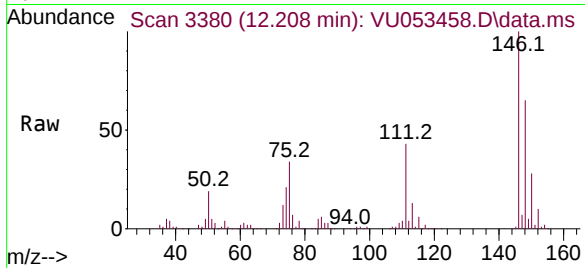




#67
1,2-Dichlorobenzene
Concen: 48.622 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

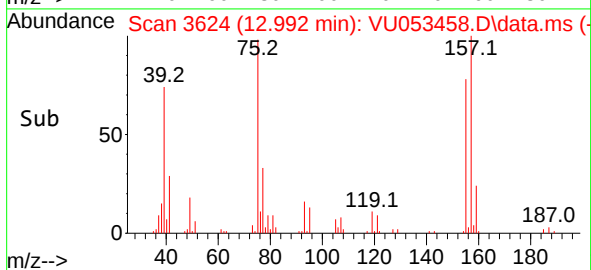
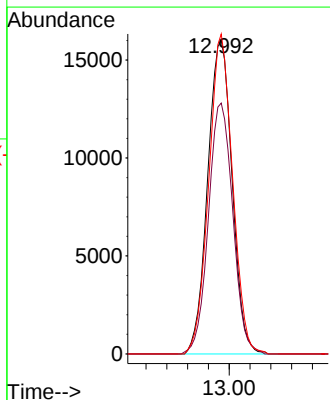
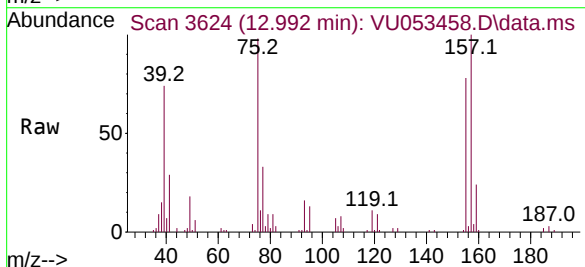
Instrument :
MSVOA_U
ClientSampleId :
EYF64MS

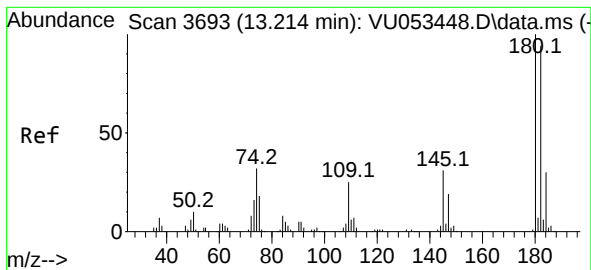
Tgt Ion:146 Resp: 158501
Ion Ratio Lower Upper
146 100
111 42.6 37.0 55.4
148 65.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 48.303 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU053458.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 75 Resp: 26124
Ion Ratio Lower Upper
75 100
155 80.0 60.2 90.4
157 102.1 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 49.574 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

Tgt Ion:180 Resp: 102510

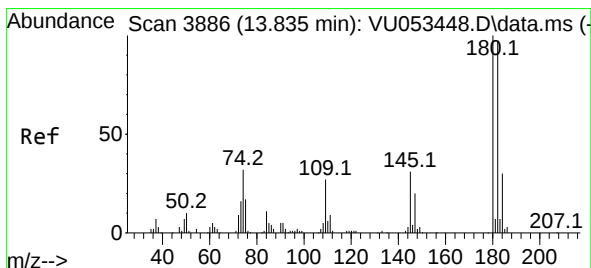
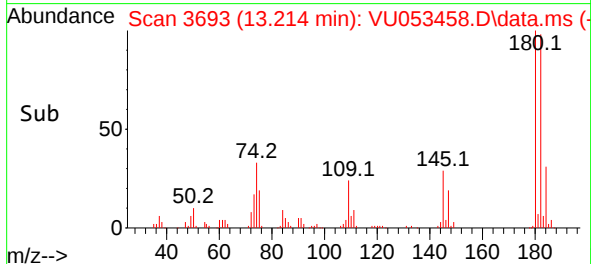
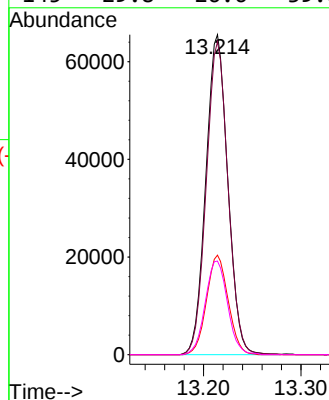
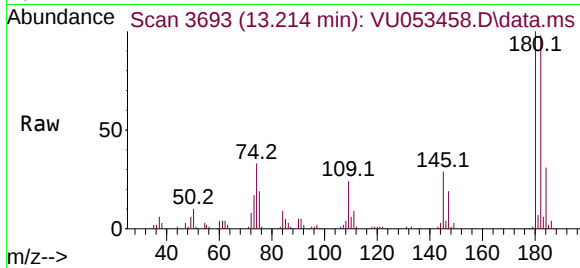
Ion Ratio Lower Upper

180 100

182 96.8 74.5 111.7

184 30.6 23.2 34.8

145 29.8 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 51.322 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

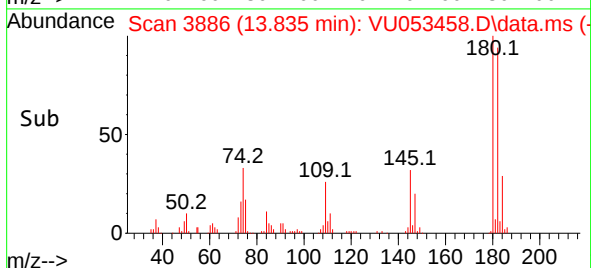
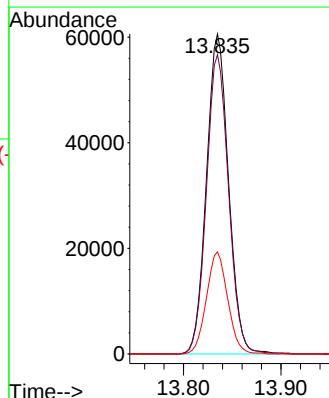
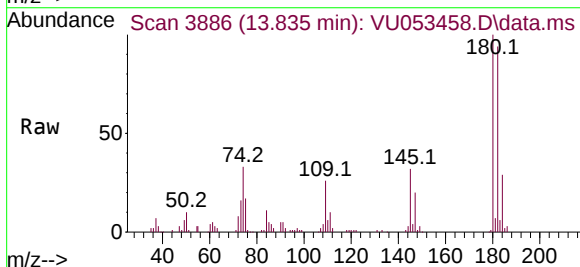
Tgt Ion:180 Resp: 95355

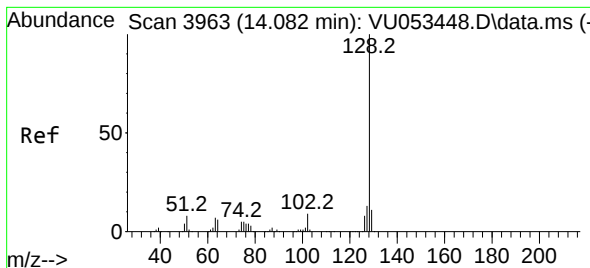
Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.8

145 30.7 27.2 40.8





#71

Naphthalene

Concen: 49.403 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.003 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

EYF64MS

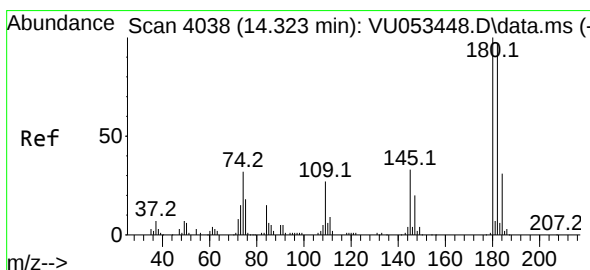
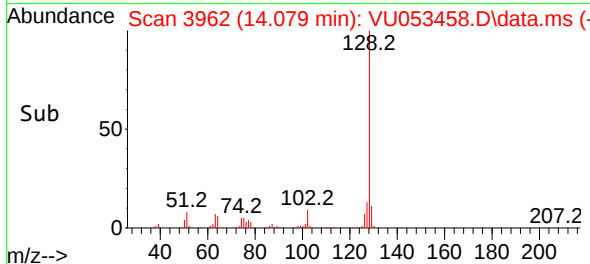
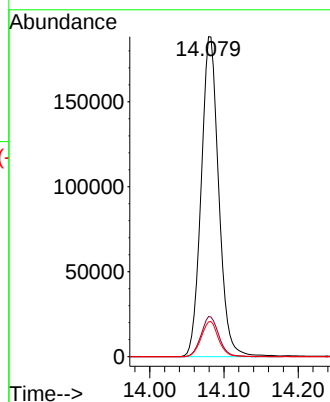
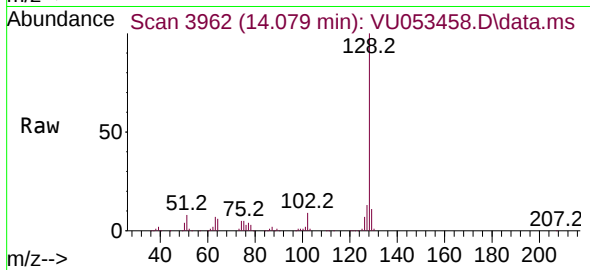
Tgt Ion:128 Resp: 309381

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 53.560 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053458.D

Acq: 29 Mar 2023 01:16

Tgt Ion:180 Resp: 94371

Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

145 33.1 28.6 42.8

