

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053459.D
 Acq On : 29 Mar 2023 01:40
 Operator : JC/MD
 Sample : 02054-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYF64MSD

Quant Time: Mar 29 04:20:05 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	6.244	114	200892	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	189813	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	97002	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79782	43.048	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.100%
7) Chloroethane-d5	1.912	69	66134	44.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.568	63	134674	41.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.900%
21) 2-Butanone-d5	4.623	46	106298	123.662	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.660%
24) Chloroform-d	5.057	84	139068	45.558	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	5.697	65	90049	47.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.000%
32) Benzene-d6	5.723	84	273123	44.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
36) 1,2-Dichloropropane-d6	6.684	67	92569	46.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.180%
41) Toluene-d8	7.893	98	251979	43.960	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.920%
43) trans-1,3-Dichloroprop...	8.176	79	44004	44.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.760%
47) 2-Hexanone-d5	8.626	63	60756	97.801	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.800%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	130306	50.623	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	96905	51.594	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	85959	40.993	ug/L	99
3) Chloromethane	1.520	50	93253	48.263	ug/L	98
5) Vinyl chloride	1.604	62	96841	45.817	ug/L	100
6) Bromomethane	1.858	94	57245	45.056	ug/L	96
8) Chloroethane	1.935	64	59262	47.466	ug/L	98
9) Trichlorofluoromethane	2.138	101	118970	45.112	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	68572	42.984	ug/L	95
12) 1,1-Dichloroethene	2.578	96	64610	43.793	ug/L	97
13) Acetone	2.636	43	72206	73.755	ug/L	93
14) Carbon disulfide	2.793	76	170664	38.192	ug/L	100
15) Methyl Acetate	2.948	43	83158	61.971	ug/L	93
16) Methylene chloride	3.044	84	77203	43.135	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	65615	43.833	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	229054	45.505	ug/L	97
19) 1,1-Dichloroethane	3.864	63	139462	45.640	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	80064	45.537	ug/L	96
22) 2-Butanone	4.703	43	116706	104.637	ug/L	92
23) Bromochloromethane	4.967	128	38890	46.389	ug/L	91
25) Chloroform	5.083	83	141479	46.269	ug/L	100

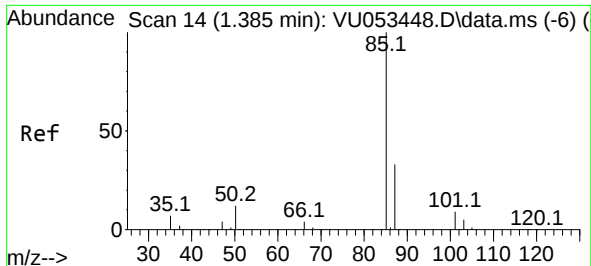
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	113559	47.047	ug/L	99
29) Cyclohexane	5.385	56	117106	41.405	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	113985	44.056	ug/L	97
31) Carbon tetrachloride	5.520	117	93502	44.112	ug/L	100
33) Benzene	5.768	78	301537	45.822	ug/L	100
34) Trichloroethene	6.536	95	89769	52.317	ug/L	98
35) Methylcyclohexane	6.758	83	113262	37.657	ug/L	94
37) 1,2-Dichloropropane	6.784	63	85364	46.495	ug/L	98
38) Bromodichloromethane	7.102	83	102456	44.842	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	131169	43.485	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	232094	122.990	ug/L	94
42) Toluene	7.964	91	318785	45.060	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	123413	44.759	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	80123	47.927	ug/L	99
46) Tetrachloroethene	8.549	164	53261	47.711	ug/L	96
48) 2-Hexanone	8.677	43	178610	113.027	ug/L	95
49) Dibromochloromethane	8.803	129	74762	43.717	ug/L	100
50) 1,2-Dibromoethane	8.919	107	86752	48.700	ug/L #	99
51) Chlorobenzene	9.443	112	202549	45.937	ug/L	99
52) Ethylbenzene	9.565	91	357762	44.593	ug/L	99
53) m,p-Xylene	9.690	106	132392	44.213	ug/L	99
54) o-Xylene	10.095	106	131010	44.236	ug/L	100
55) Styrene	10.108	104	224326	45.447	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	137666	50.227	ug/L	98
59) Bromoform	10.285	173	54804	49.647	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	104484	54.206	ug/L	99
61) Isopropylbenzene	10.478	105	346985	45.273	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	280496	44.214	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	278008	44.957	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	158052	49.171	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	161301	49.987	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	161091	50.142	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	28056	52.637	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	106946	52.478	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	101108	55.217	ug/L	98
71) Naphthalene	14.079	128	345323	55.952	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	100786	58.040	ug/L	98

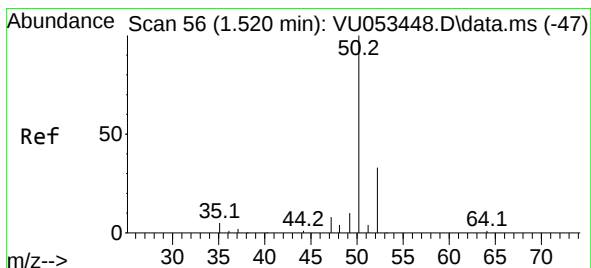
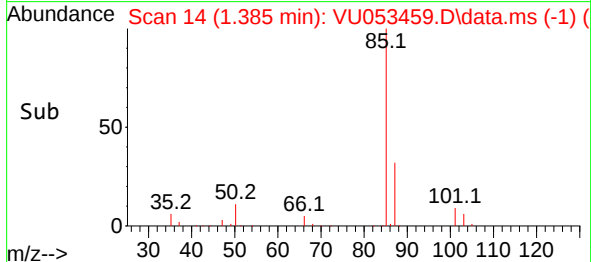
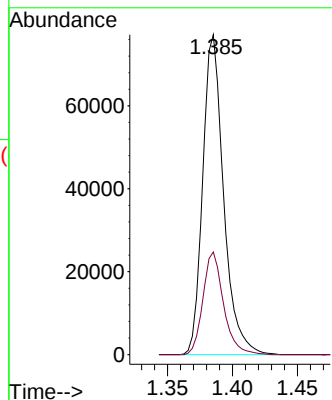
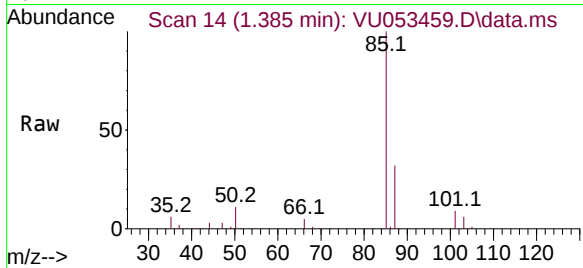
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.993 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

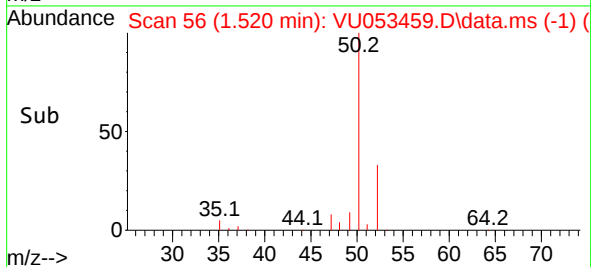
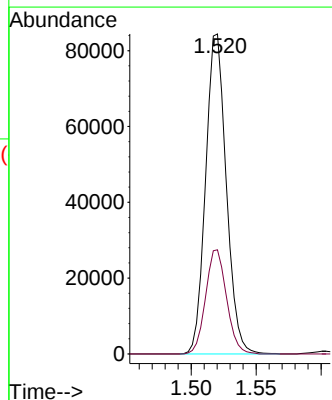
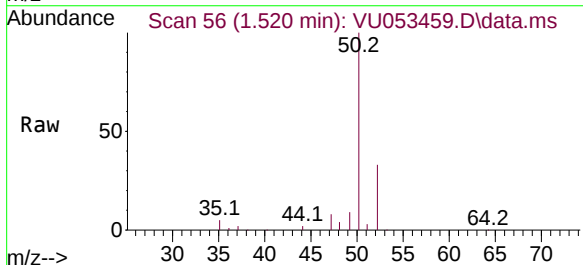
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

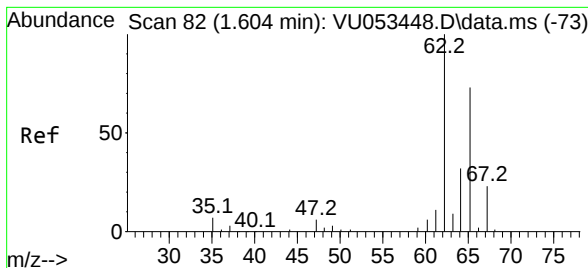
Tgt Ion: 85 Resp: 85959
Ion Ratio Lower Upper
85 100
87 31.6 25.8 38.8



#3
Chloromethane
Concen: 48.263 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 50 Resp: 93253
Ion Ratio Lower Upper
50 100
52 32.5 23.4 43.4

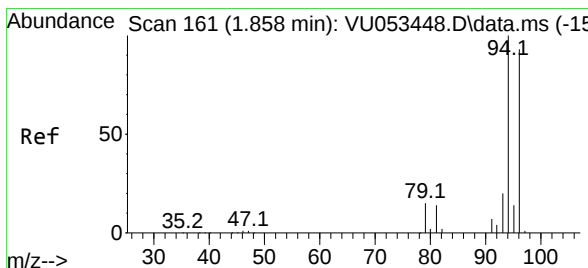
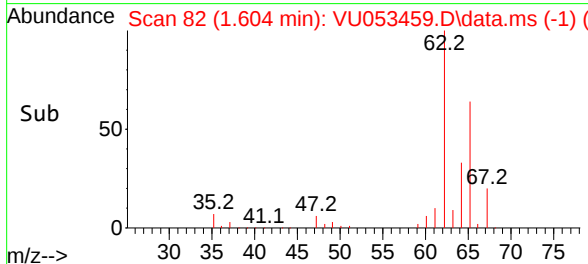
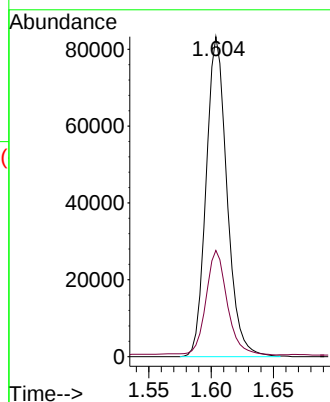
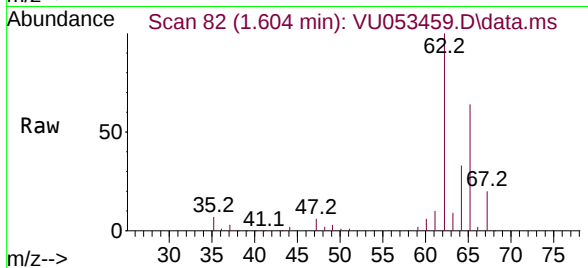




#5
 Vinyl chloride
 Concen: 45.817 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

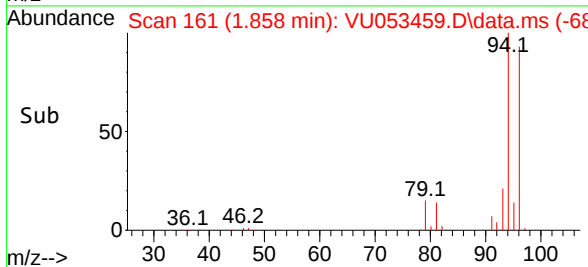
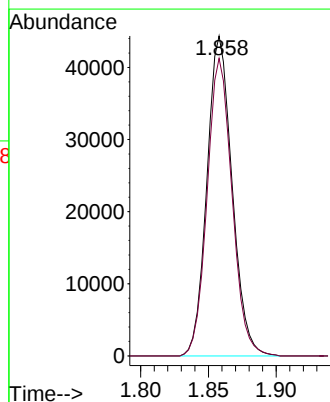
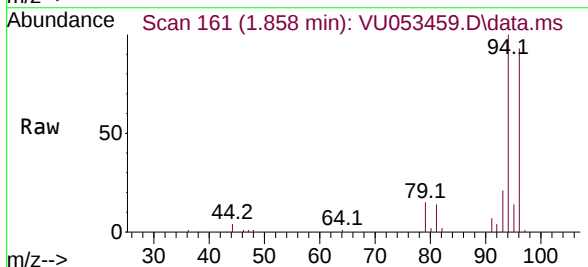
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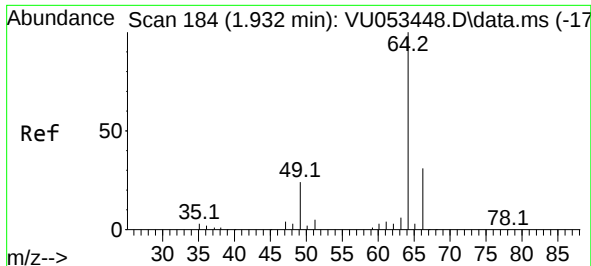
Tgt Ion: 62 Resp: 96841
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.0



#6
 Bromomethane
 Concen: 45.056 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

Tgt Ion: 94 Resp: 57245
 Ion Ratio Lower Upper
 94 100
 96 93.0 67.5 125.3

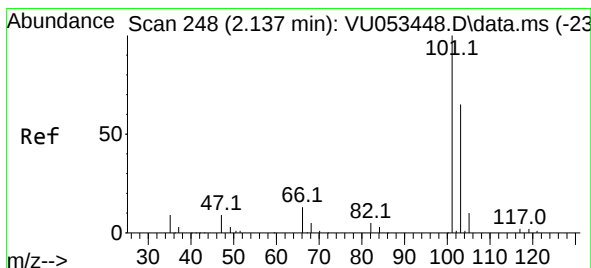
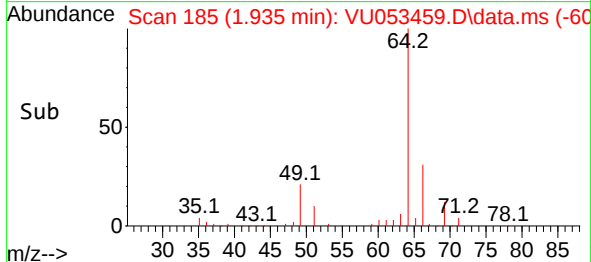
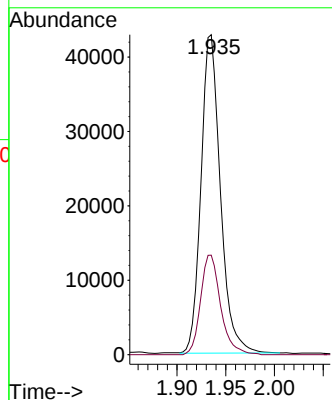
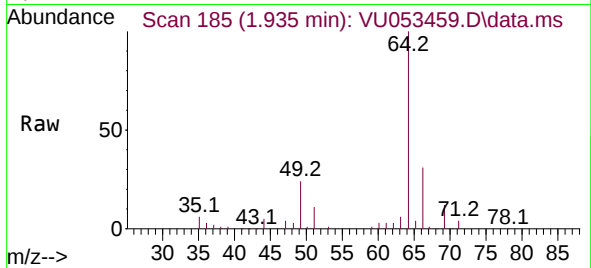




#8
Chloroethane
Concen: 47.466 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

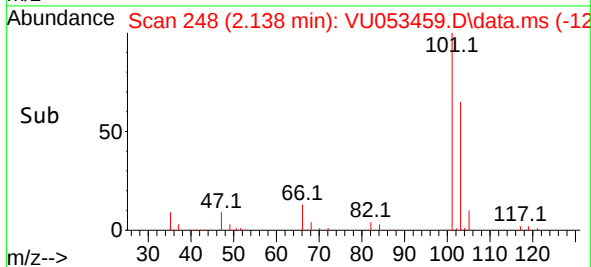
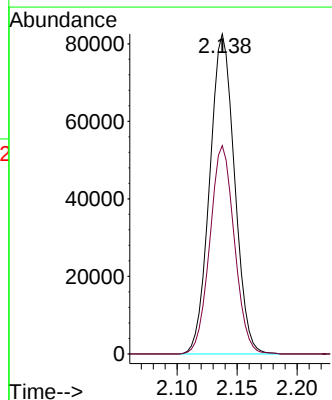
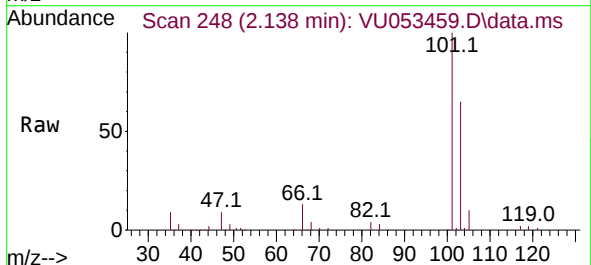
Instrument :
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ClientSampleId :
EYF64MSD

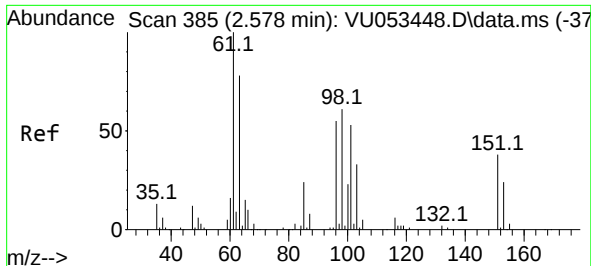
Tgt Ion: 64 Resp: 59262
Ion Ratio Lower Upper
64 100
66 31.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 45.112 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion:101 Resp: 118970
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

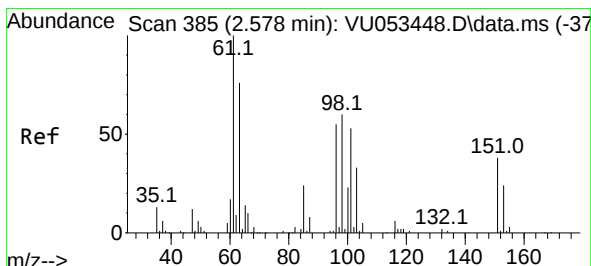
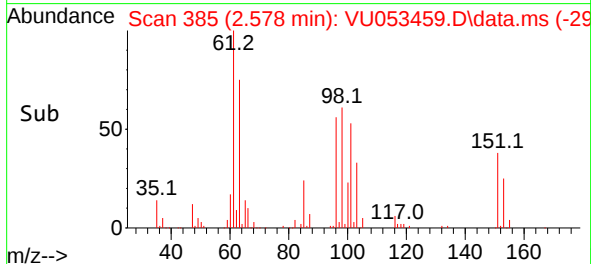
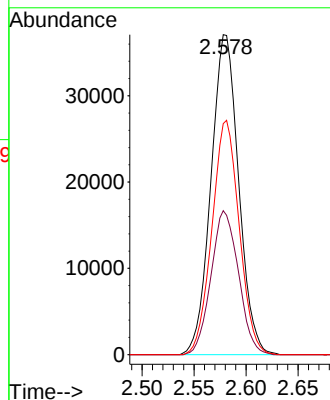
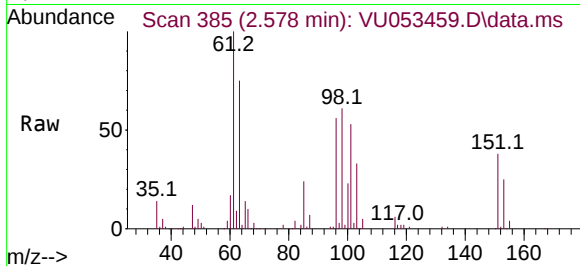




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.984 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

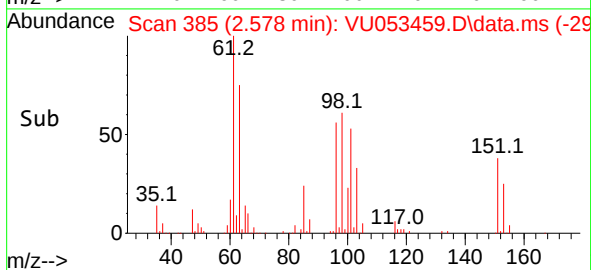
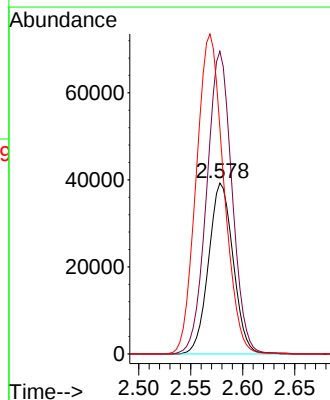
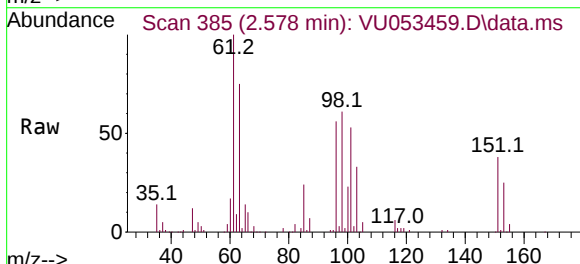
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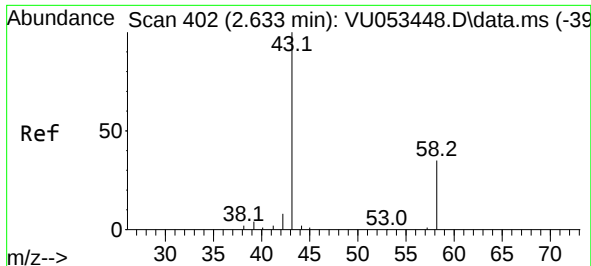
Tgt Ion:101 Resp: 68572
 Ion Ratio Lower Upper
 101 100
 85 44.8 37.0 55.6
 151 72.2 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 43.793 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

Tgt Ion: 96 Resp: 64610
 Ion Ratio Lower Upper
 96 100
 61 177.2 122.2 226.9
 63 132.2 89.9 166.9





#13

Acetone

Concen: 73.755 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

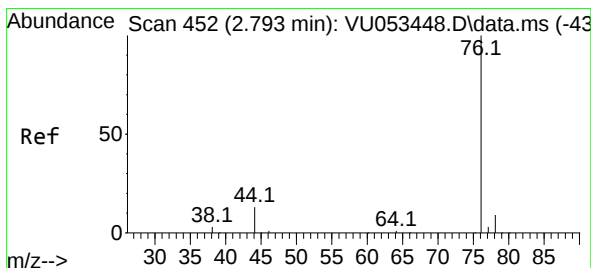
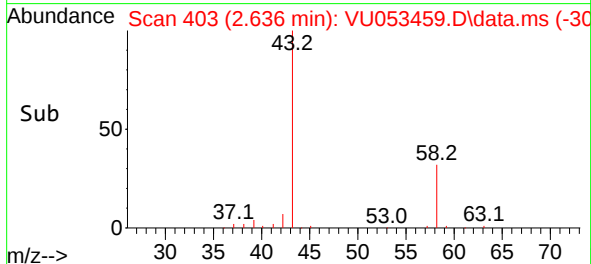
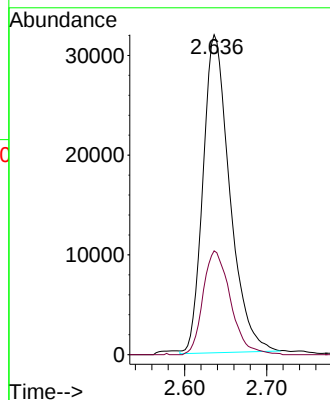
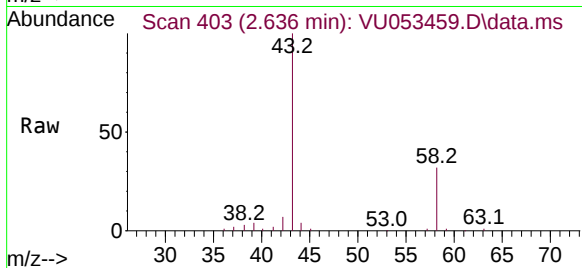
EYF64MSD

Tgt Ion: 43 Resp: 72206

Ion Ratio Lower Upper

43 100

58 33.5 0.0 75.0



#14

Carbon disulfide

Concen: 38.192 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053459.D

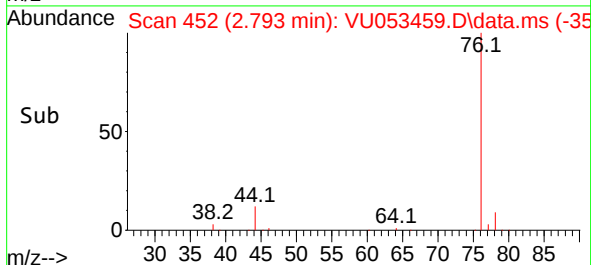
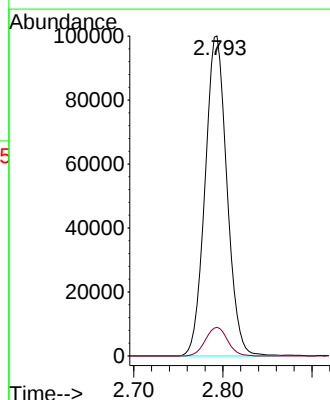
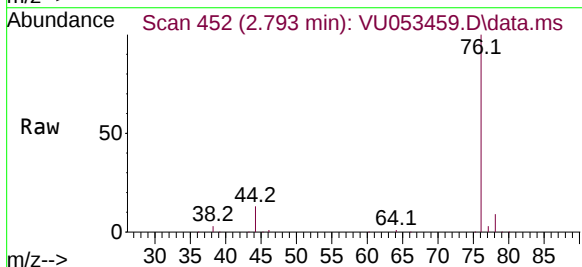
Acq: 29 Mar 2023 01:40

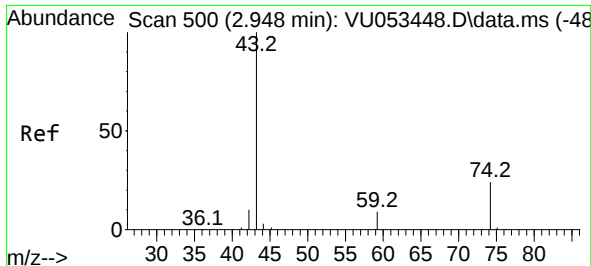
Tgt Ion: 76 Resp: 170664

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

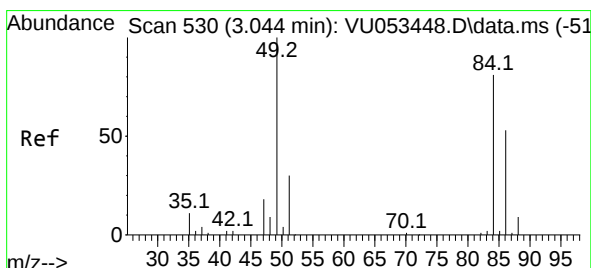
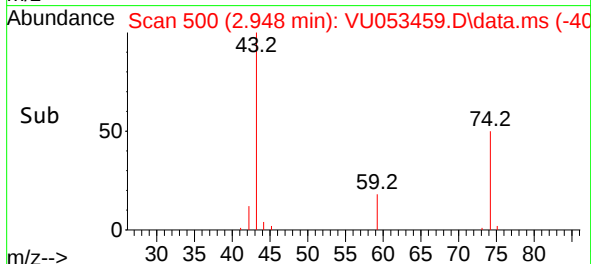
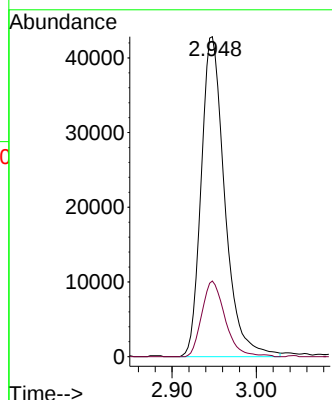
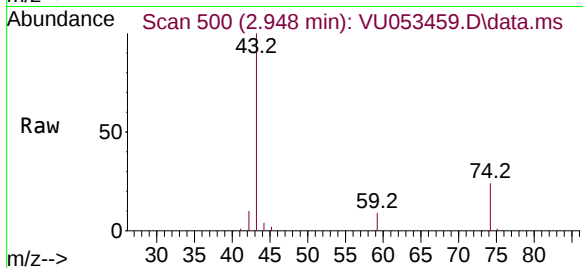




#15
Methyl Acetate
Concen: 61.971 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

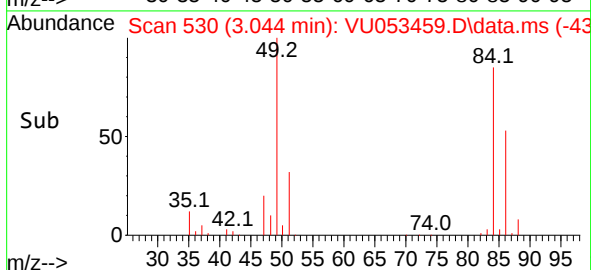
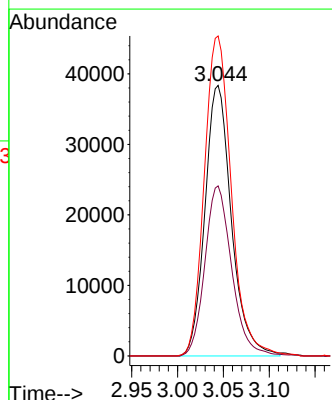
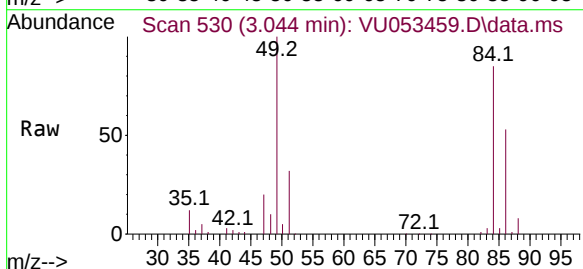
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

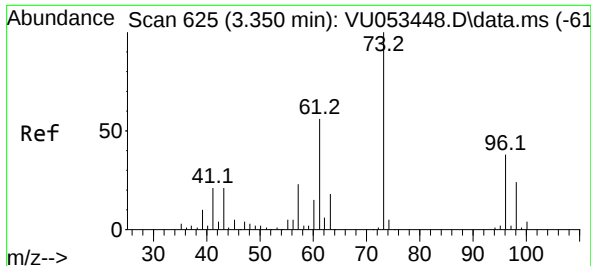
Tgt Ion: 43 Resp: 83158
Ion Ratio Lower Upper
43 100
74 23.1 21.4 32.0



#16
Methylene chloride
Concen: 43.135 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 84 Resp: 77203
Ion Ratio Lower Upper
84 100
86 62.9 44.4 82.4
49 118.3 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 43.833 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

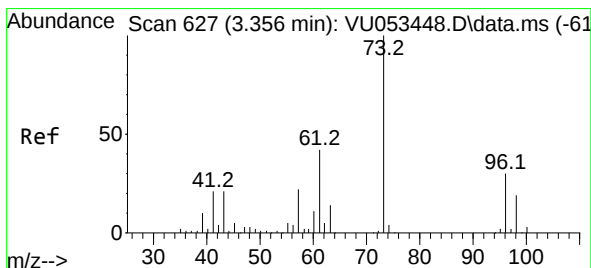
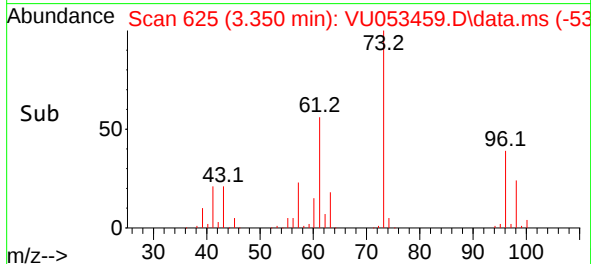
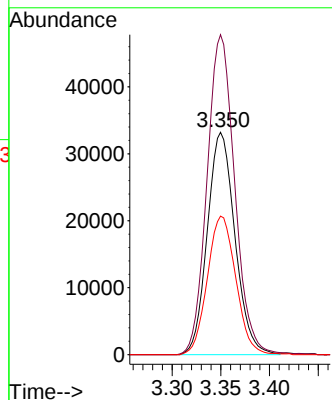
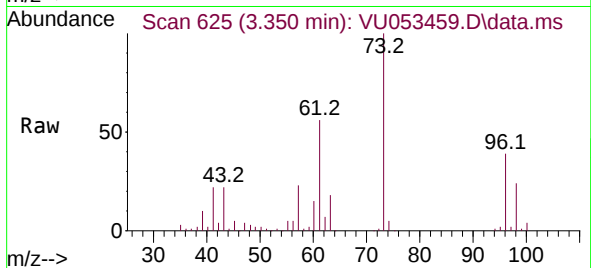
Tgt Ion: 96 Resp: 65615

Ion Ratio Lower Upper

96 100

61 144.0 99.6 185.0

98 62.3 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 45.505 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

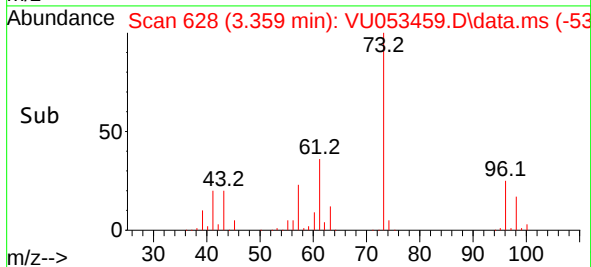
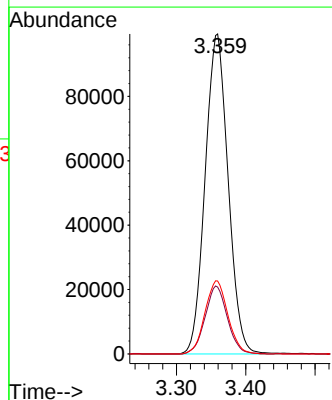
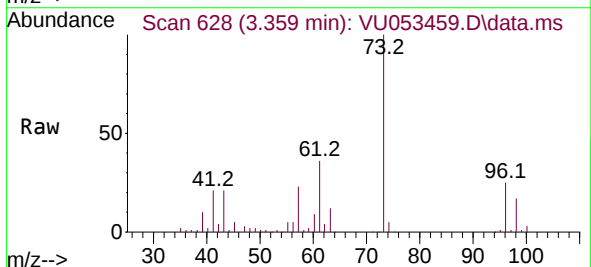
Tgt Ion: 73 Resp: 229054

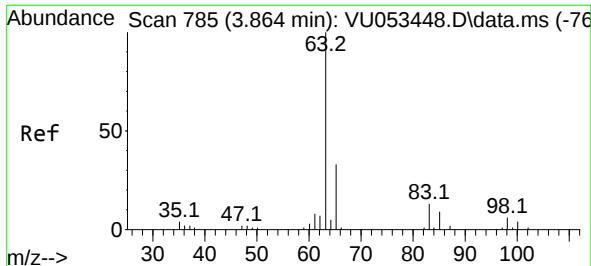
Ion Ratio Lower Upper

73 100

43 20.5 14.2 21.2

57 22.7 18.0 27.0

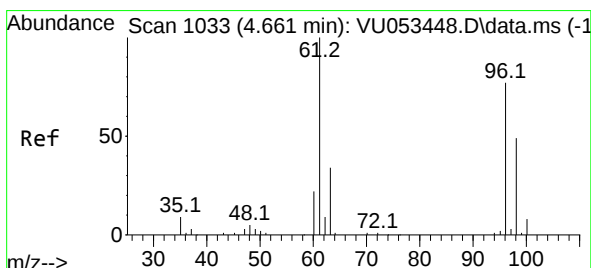
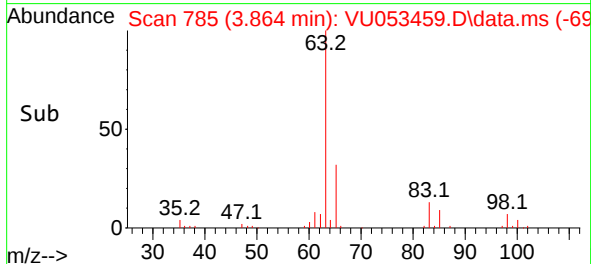
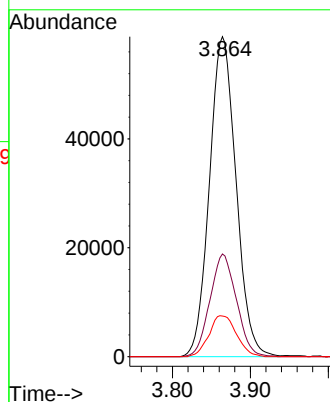
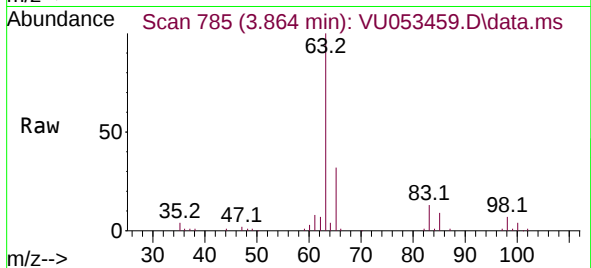




#19
1,1-Dichloroethane
Concen: 45.640 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

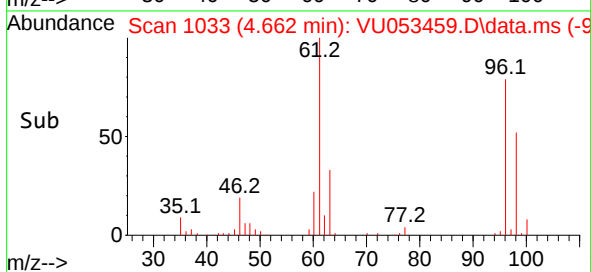
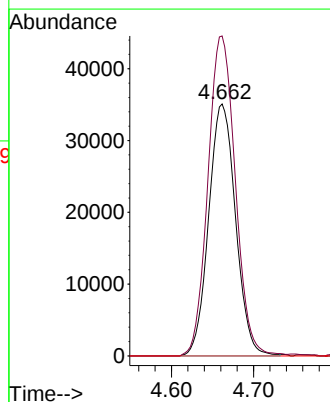
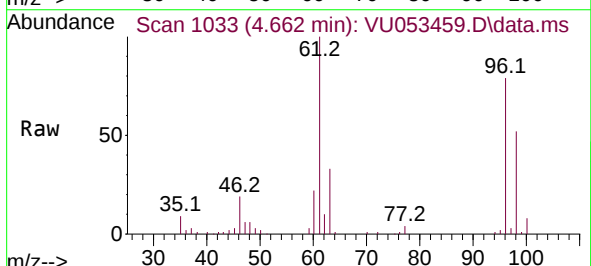
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

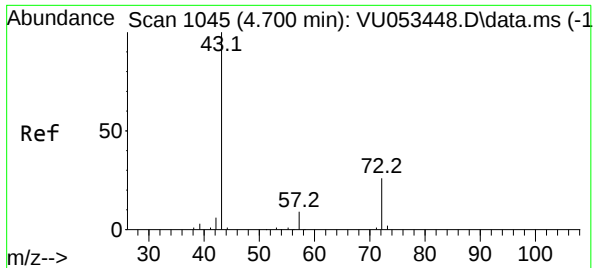
Tgt Ion: 63 Resp: 139462
Ion Ratio Lower Upper
63 100
65 32.1 22.8 42.4
83 12.7 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 45.537 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 96 Resp: 80064
Ion Ratio Lower Upper
96 100
61 127.0 92.5 171.7
68 0.0 0.0 0.0

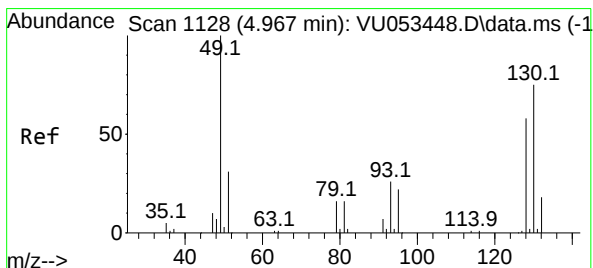
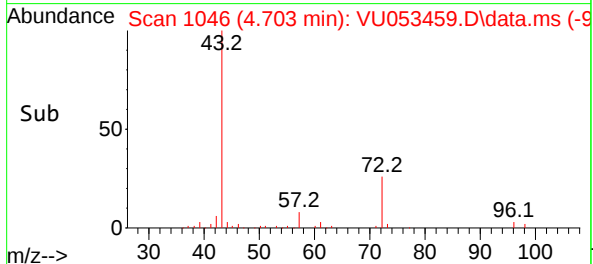
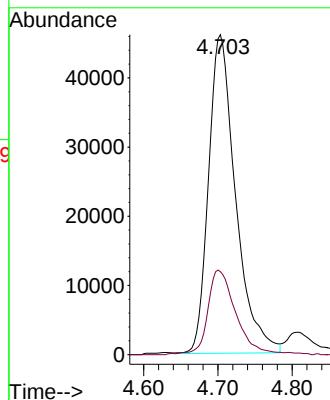
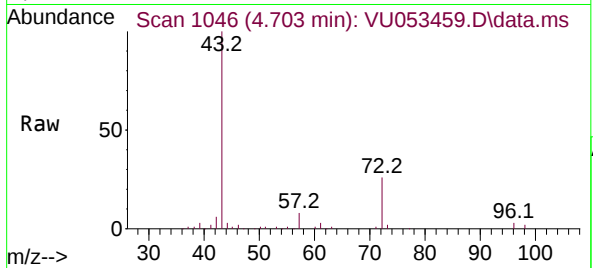




#22
2-Butanone
Concen: 104.637 ug/L
RT: 4.703 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

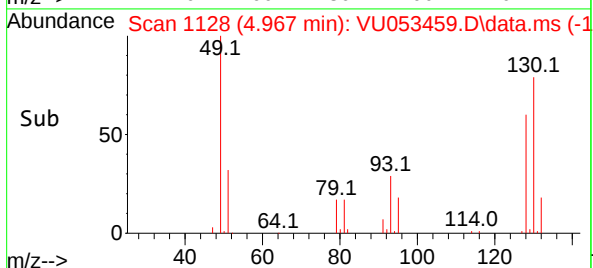
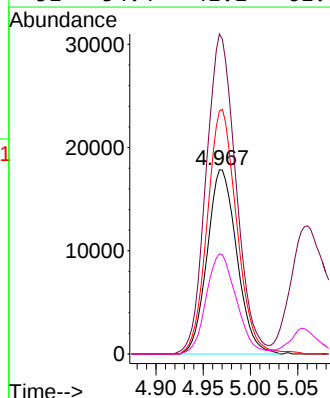
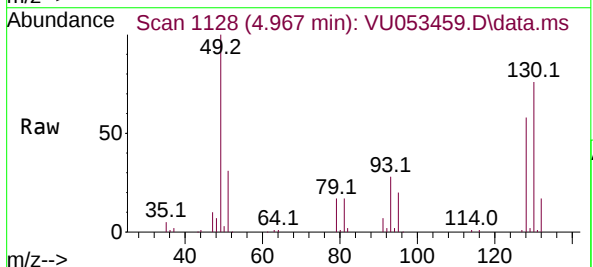
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

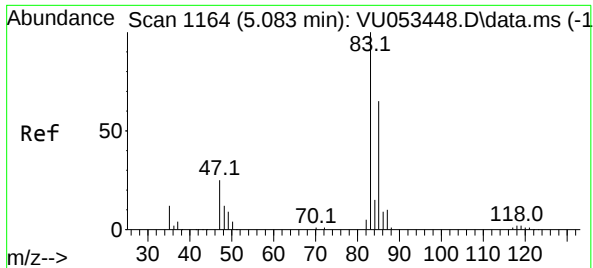
Tgt Ion: 43 Resp: 116706
Ion Ratio Lower Upper
43 100
72 27.3 16.0 47.9



#23
Bromochloromethane
Concen: 46.389 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion:128 Resp: 38890
Ion Ratio Lower Upper
128 100
49 173.8 109.9 204.1
130 131.9 87.2 161.9
51 54.4 41.1 61.7

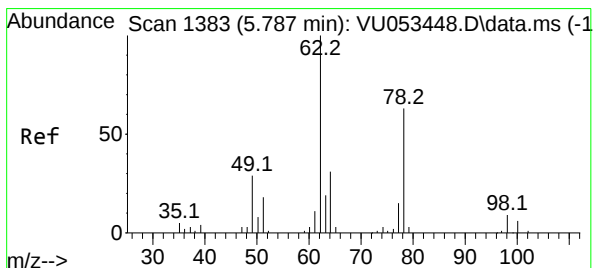
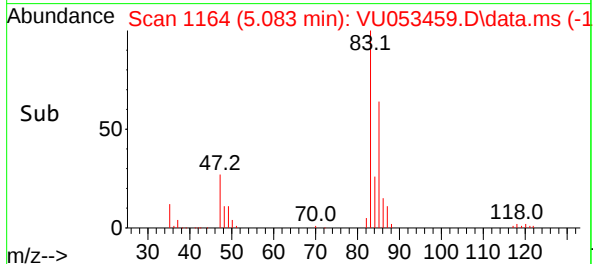
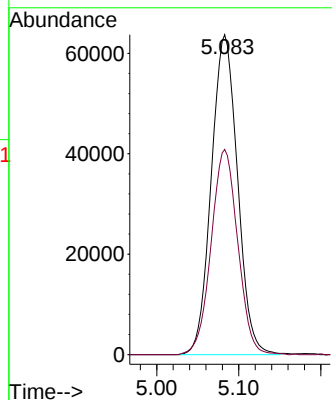
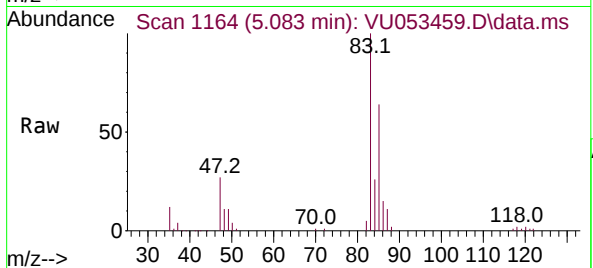




#25
Chloroform
Concen: 46.269 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

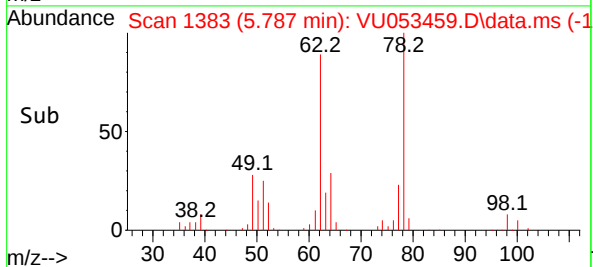
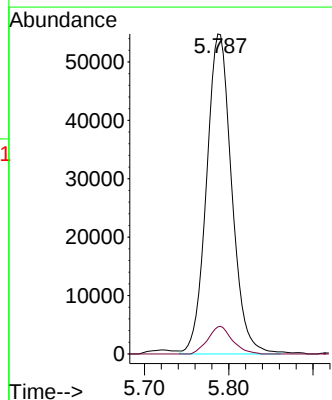
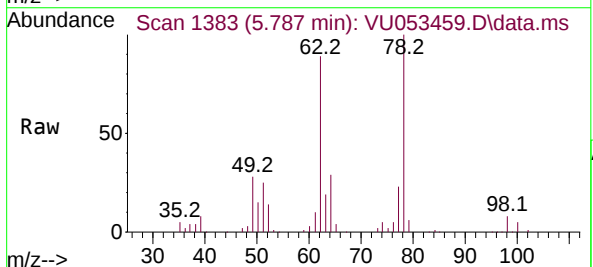
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

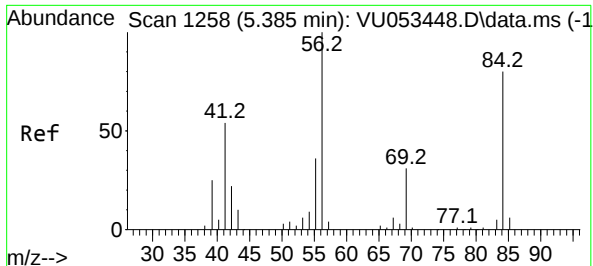
Tgt Ion: 83 Resp: 141479
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.047 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 62 Resp: 113559
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6





#29

Cyclohexane

Concen: 41.405 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

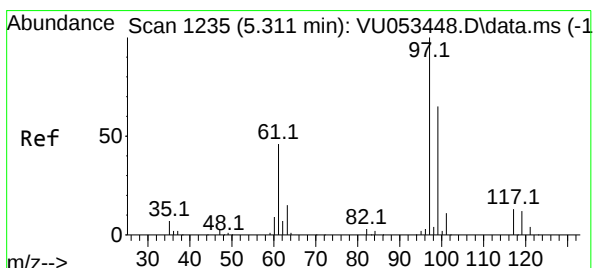
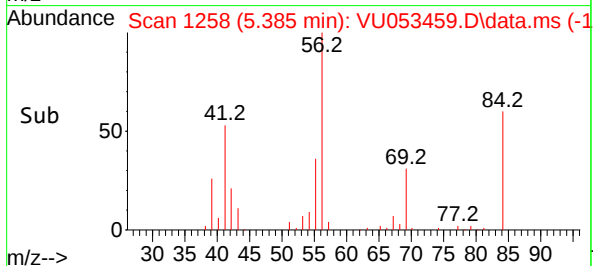
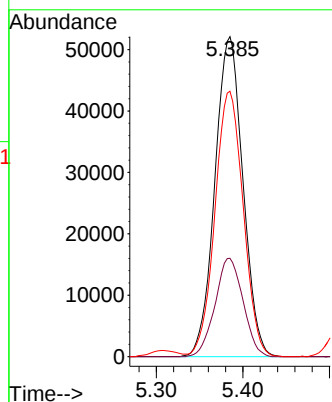
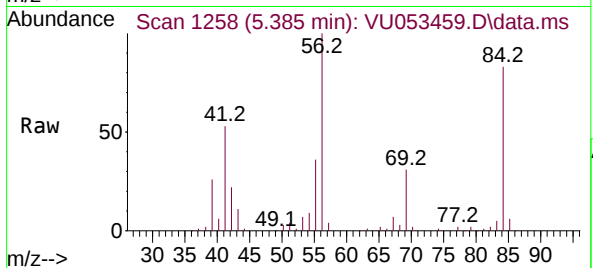
Tgt Ion: 56 Resp: 117106

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.0

84 83.8 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 44.056 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

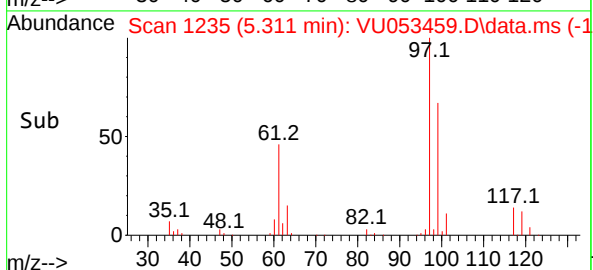
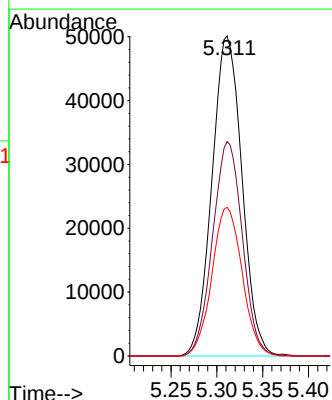
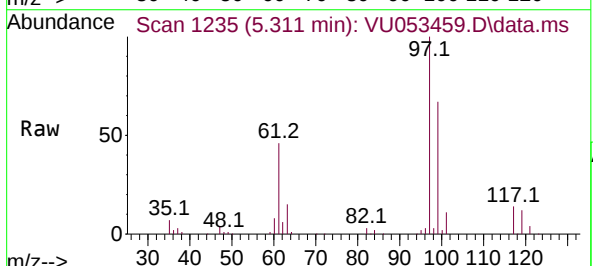
Tgt Ion: 97 Resp: 113985

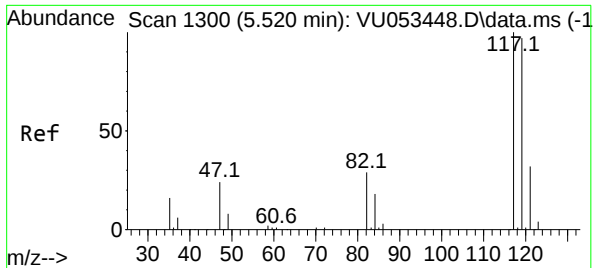
Ion Ratio Lower Upper

97 100

99 66.3 50.6 76.0

61 46.9 36.0 54.0

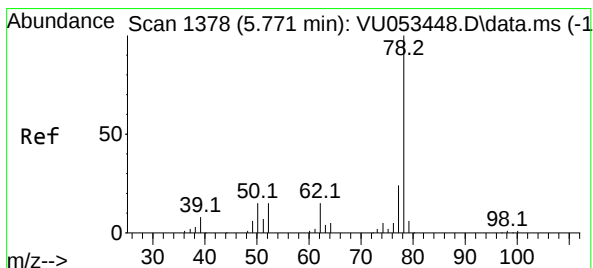
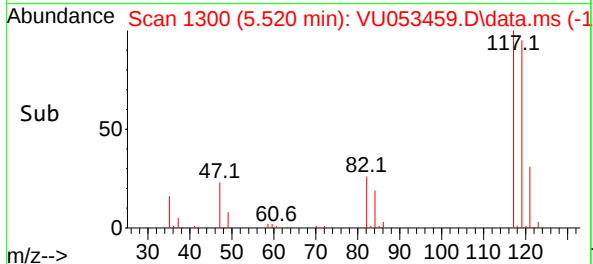
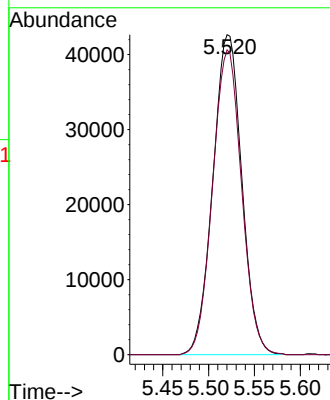
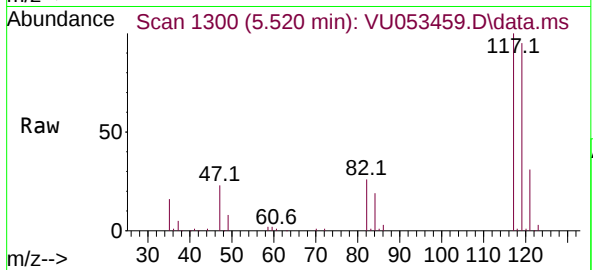




#31
Carbon tetrachloride
Concen: 44.112 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

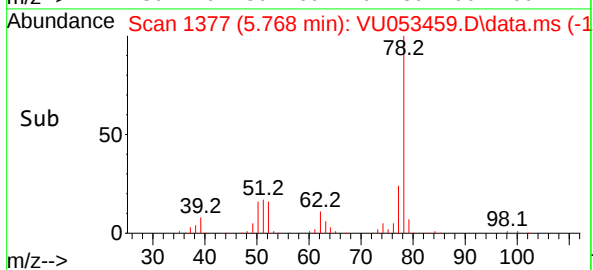
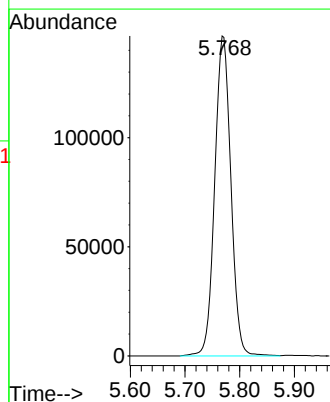
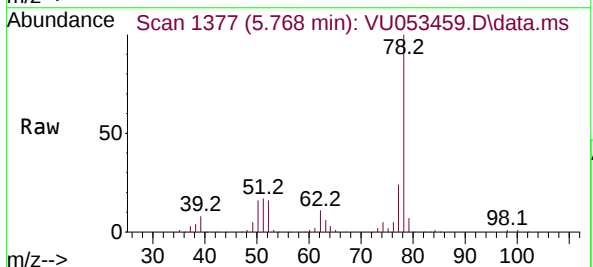
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

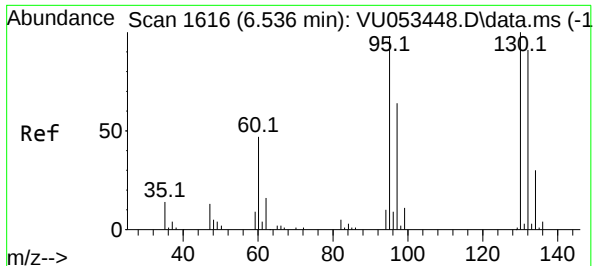
Tgt Ion:117 Resp: 93502
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.2



#33
Benzene
Concen: 45.822 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 78 Resp: 301537



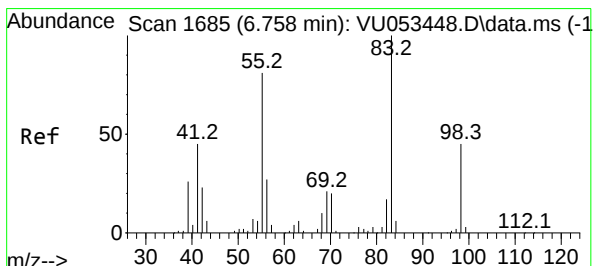
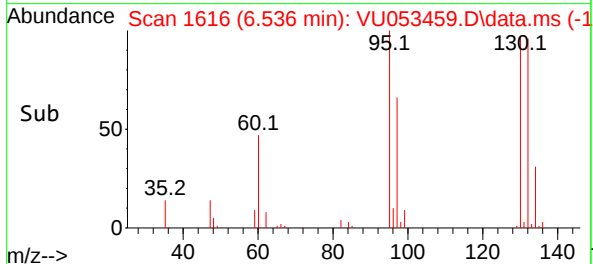
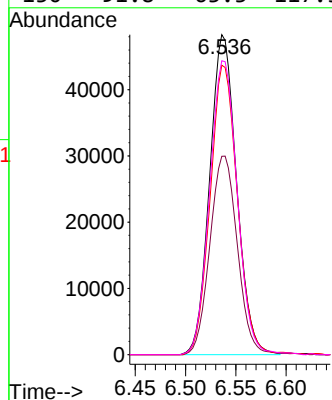
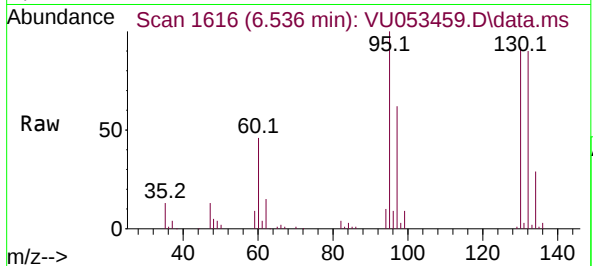


#34
Trichloroethene
Concen: 52.317 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

Tgt Ion: 95 Resp: 89769

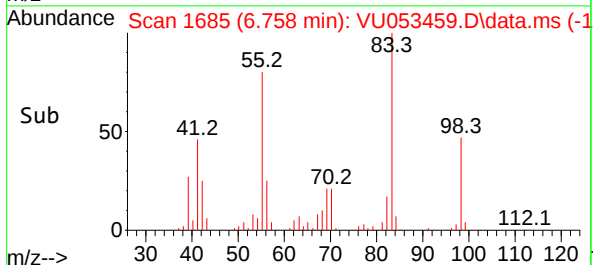
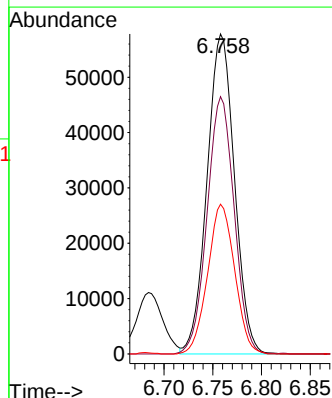
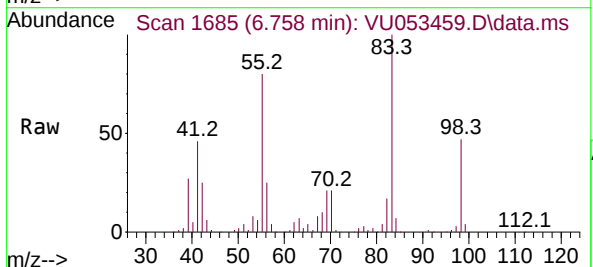
Ion	Ratio	Lower	Upper
95	100		
97	62.0	43.8	81.3
132	90.4	61.5	114.3
130	91.8	63.3	117.5

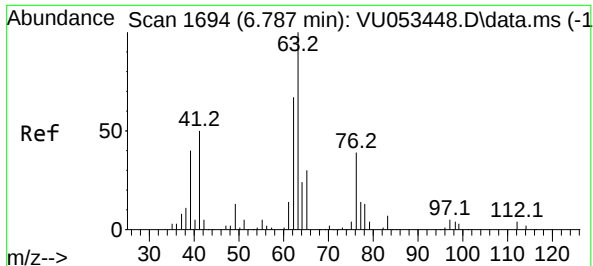


#35
Methylcyclohexane
Concen: 37.657 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 83 Resp: 113262

Ion	Ratio	Lower	Upper
83	100		
55	79.3	58.2	87.4
98	46.1	35.4	53.2





#37

1,2-Dichloropropane

Concen: 46.495 ug/L

RT: 6.784 min Scan# 1694

Delta R.T. -0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

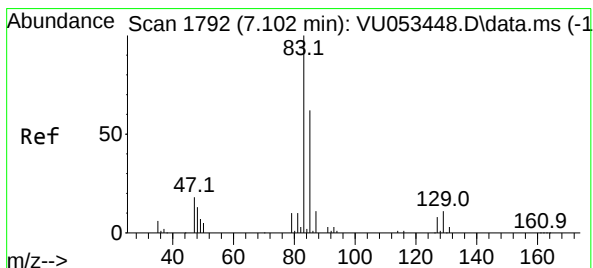
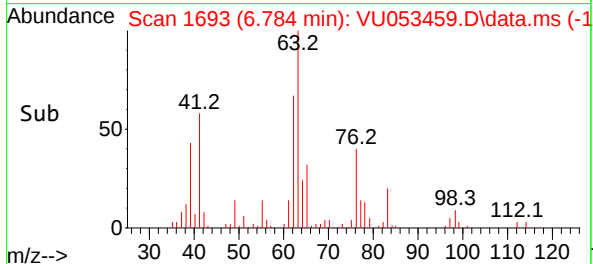
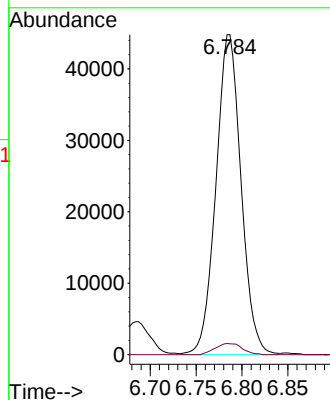
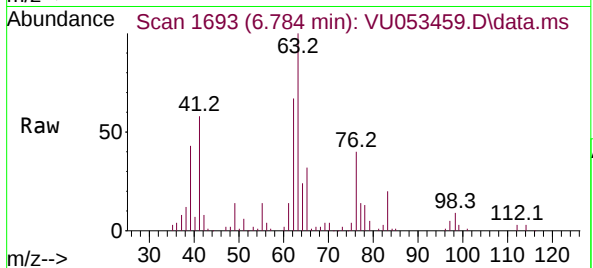
EYF64MSD

Tgt Ion: 63 Resp: 85364

Ion Ratio Lower Upper

63 100

112 3.7 2.6 3.8



#38

Bromodichloromethane

Concen: 44.842 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

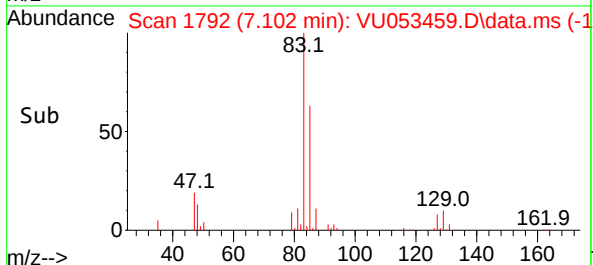
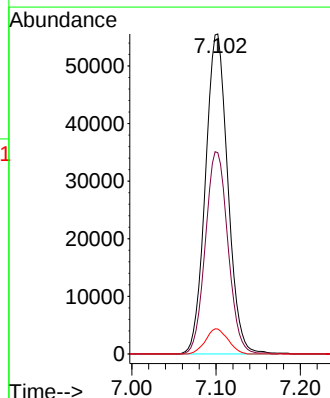
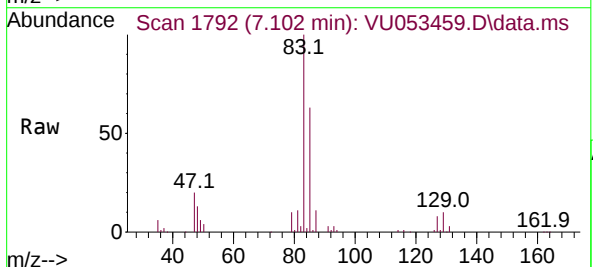
Tgt Ion: 83 Resp: 102456

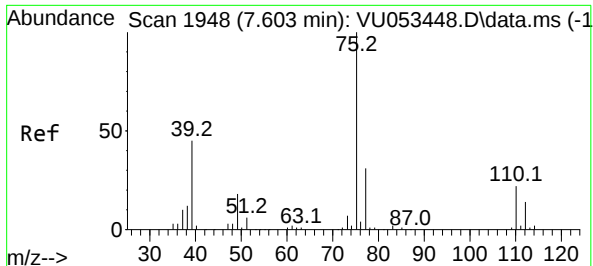
Ion Ratio Lower Upper

83 100

85 62.9 45.4 84.2

127 7.8 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.485 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

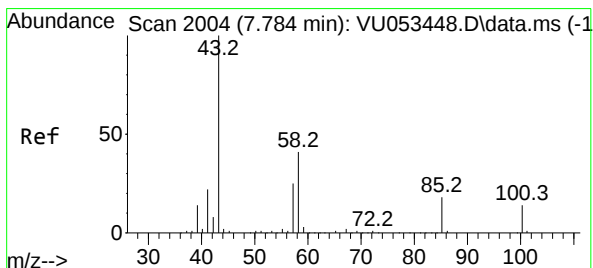
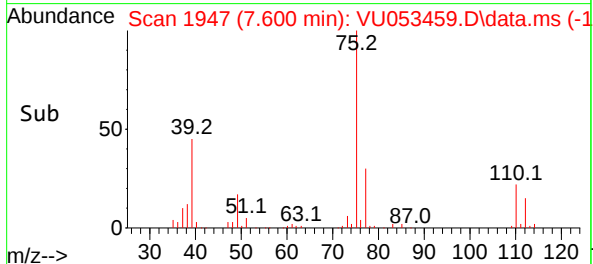
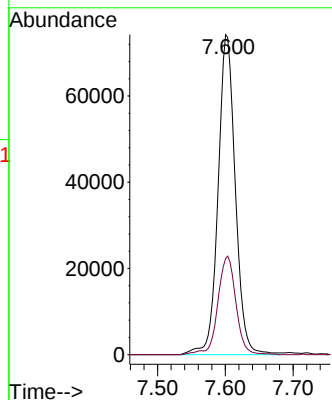
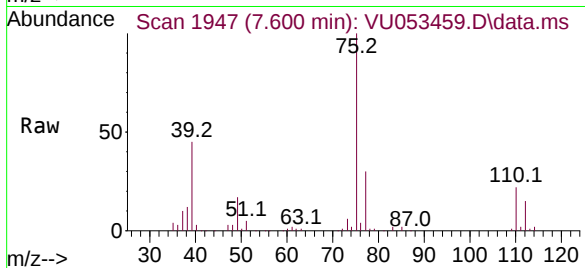
EYF64MSD

Tgt Ion: 75 Resp: 131169

Ion Ratio Lower Upper

75 100

77 30.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 122.990 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

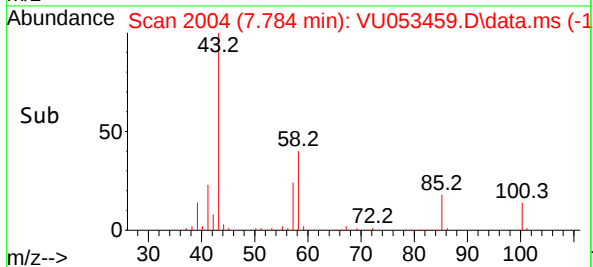
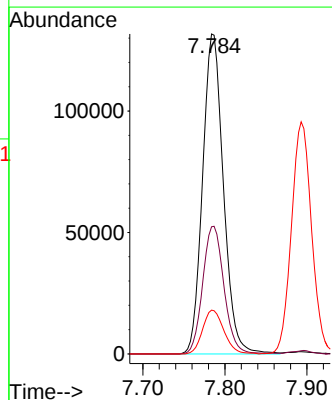
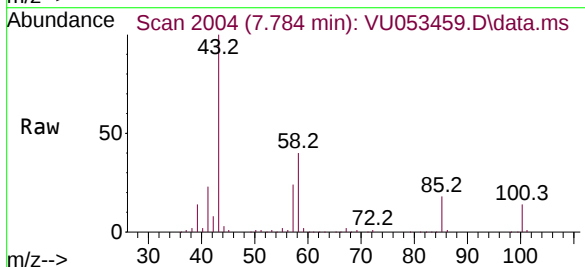
Tgt Ion: 43 Resp: 232094

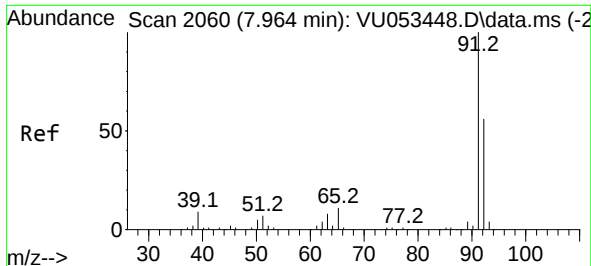
Ion Ratio Lower Upper

43 100

58 40.7 35.8 53.6

100 13.9 13.0 19.6





#42

Toluene

Concen: 45.060 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

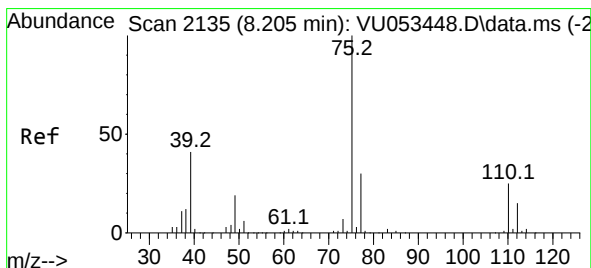
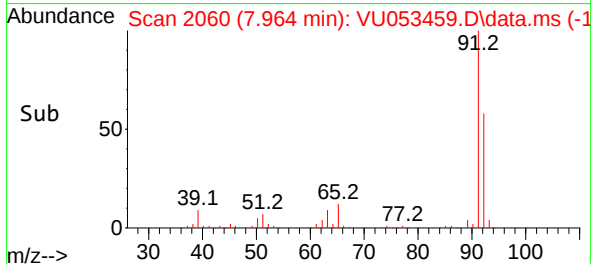
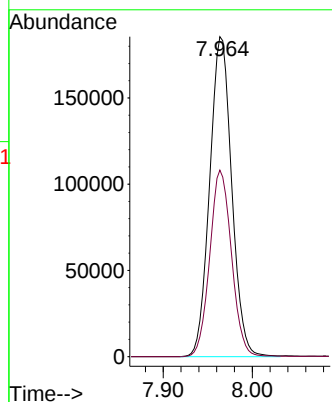
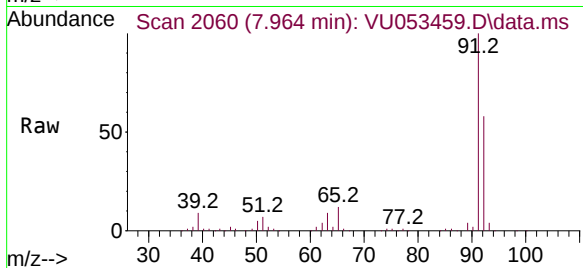
EYF64MSD

Tgt Ion: 91 Resp: 318785

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.759 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053459.D

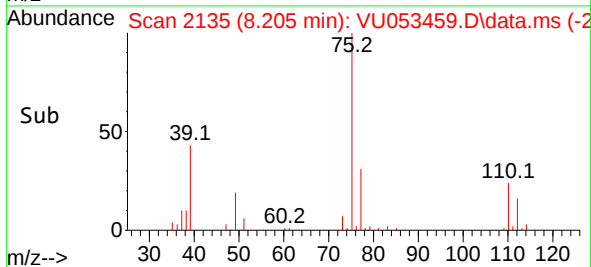
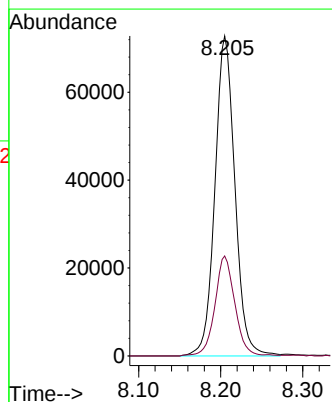
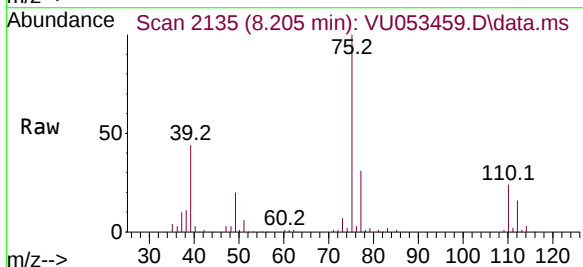
Acq: 29 Mar 2023 01:40

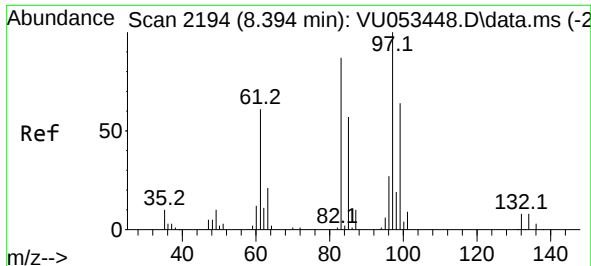
Tgt Ion: 75 Resp: 123413

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 47.927 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

Tgt Ion: 97 Resp: 80123

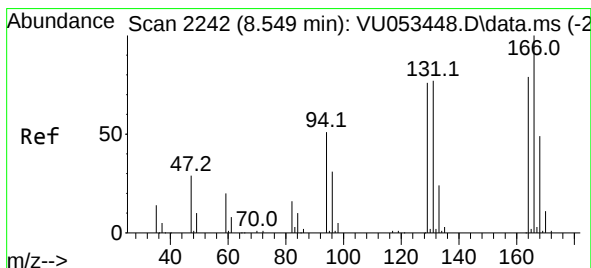
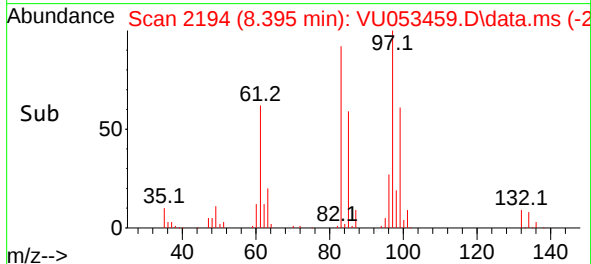
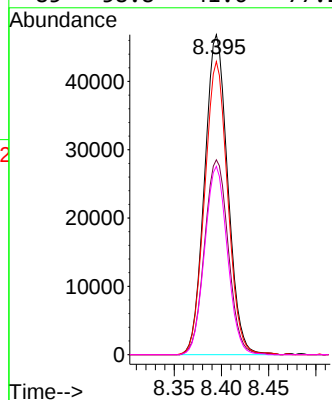
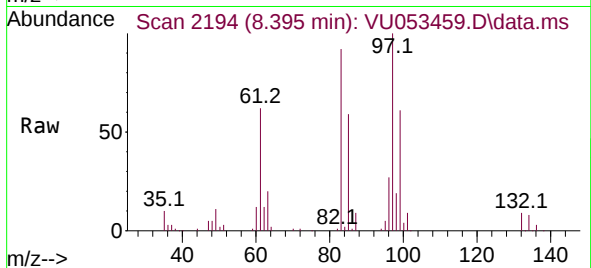
Ion Ratio Lower Upper

97 100

99 60.9 44.4 82.4

83 91.6 63.8 118.6

85 58.8 41.6 77.2



#46

Tetrachloroethene

Concen: 47.711 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Tgt Ion:164 Resp: 53261

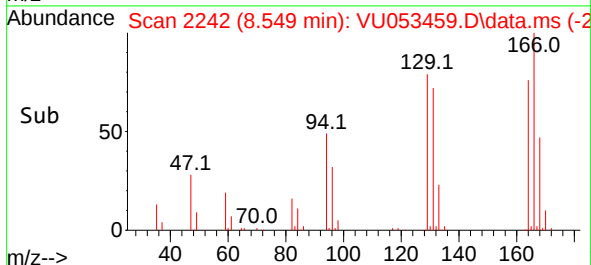
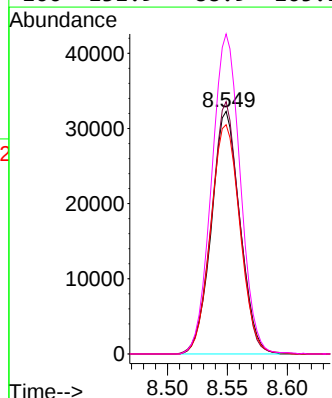
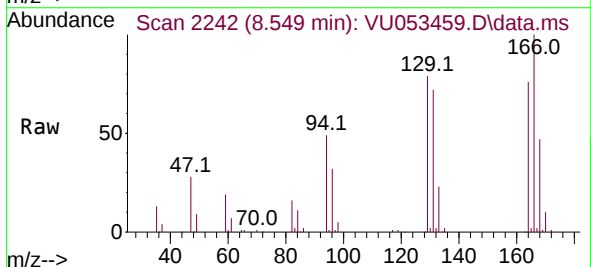
Ion Ratio Lower Upper

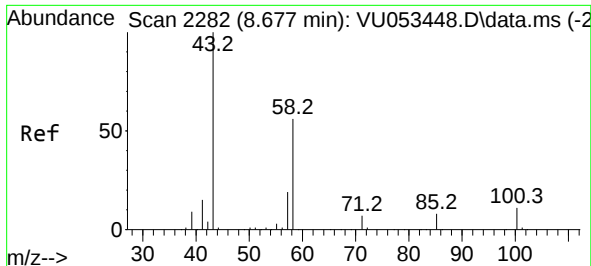
164 100

129 104.0 73.6 136.8

131 94.5 70.3 130.7

166 131.9 88.9 165.1



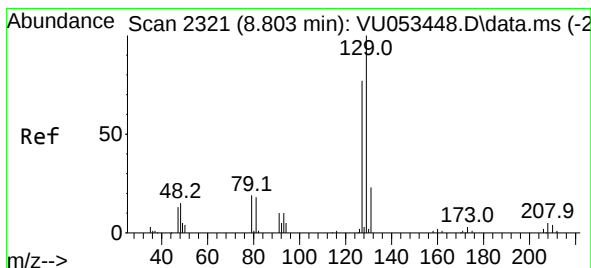
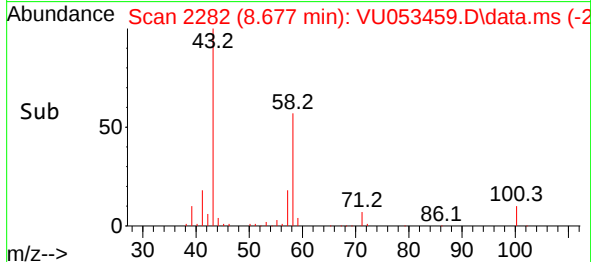
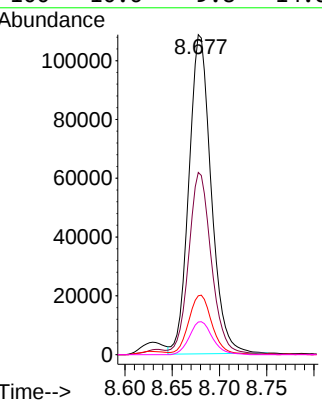
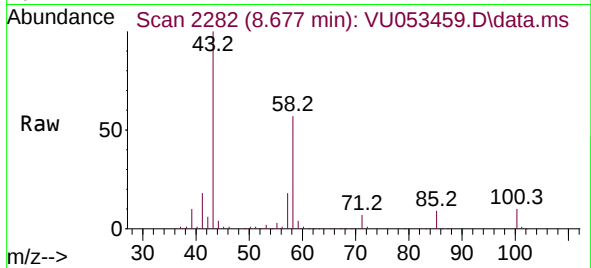


#48
2-Hexanone
Concen: 113.027 ug/L
RT: 8.677 min Scan# 2282
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

Tgt Ion: 43 Resp: 178610

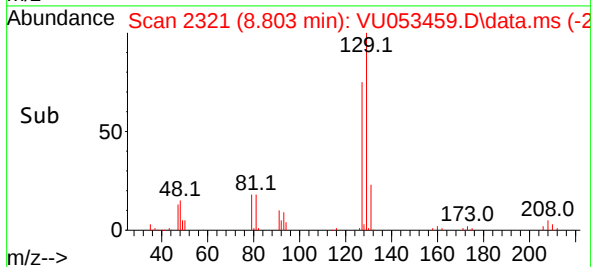
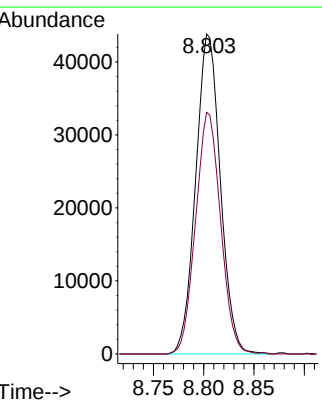
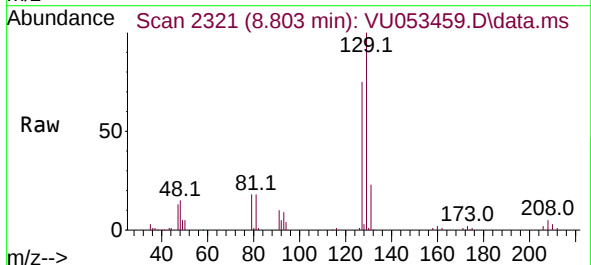
Ion	Ratio	Lower	Upper
43	100		
58	57.3	49.4	74.0
57	19.6	16.9	25.3
100	10.6	9.8	14.8

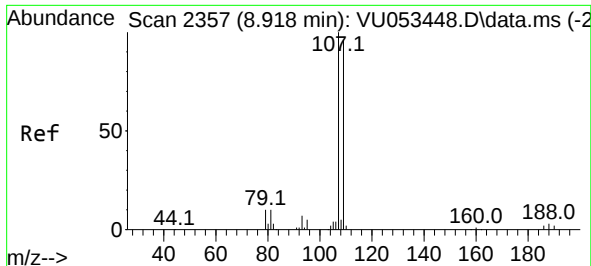


#49
Dibromochloromethane
Concen: 43.717 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 129 Resp: 74762

Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.1	98.5

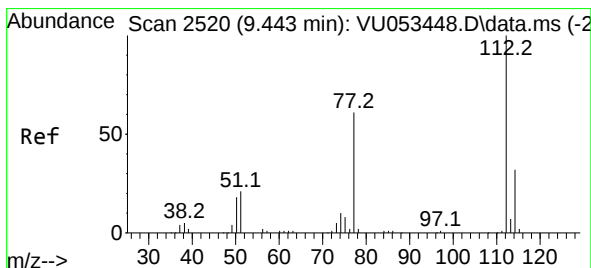
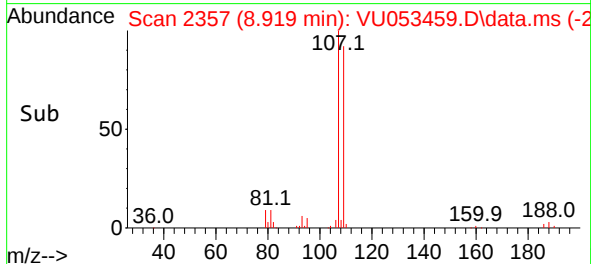
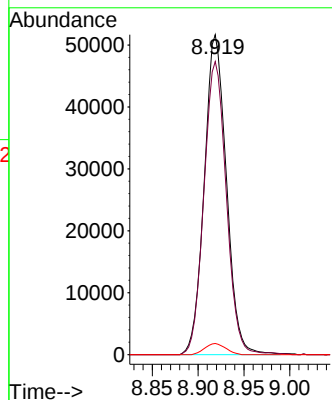
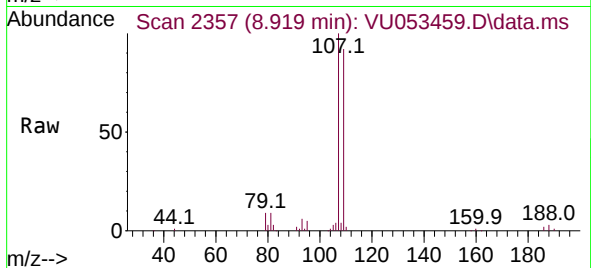




#50
1,2-Dibromoethane
Concen: 48.700 ug/L
RT: 8.919 min Scan# 2357
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

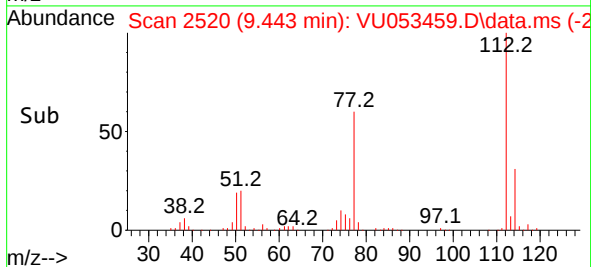
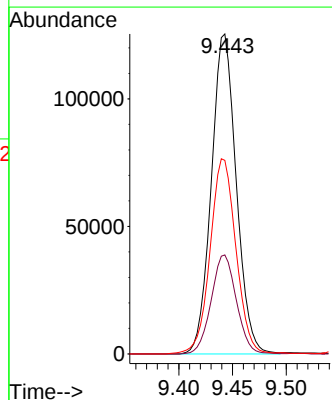
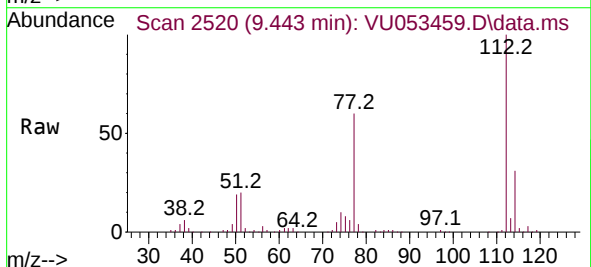
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

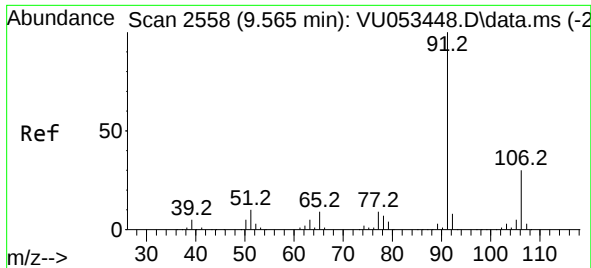
Tgt Ion:107 Resp: 86752
Ion Ratio Lower Upper
107 100
109 91.6 64.6 120.0
188 3.5 2.2 3.4#



#51
Chlorobenzene
Concen: 45.937 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion:112 Resp: 202549
Ion Ratio Lower Upper
112 100
114 31.0 21.8 40.6
77 60.5 48.8 73.2

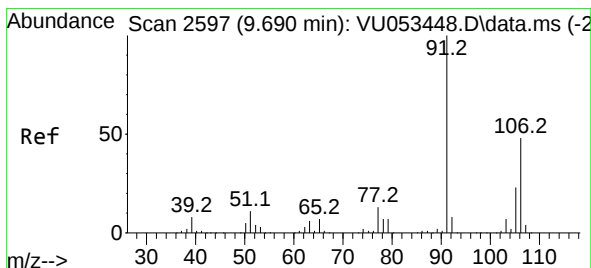
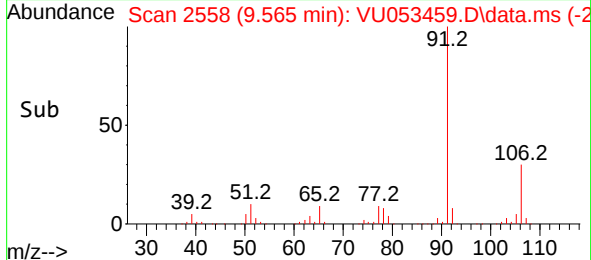
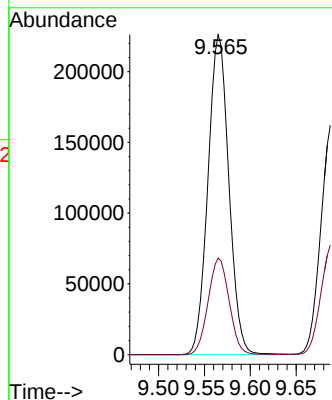
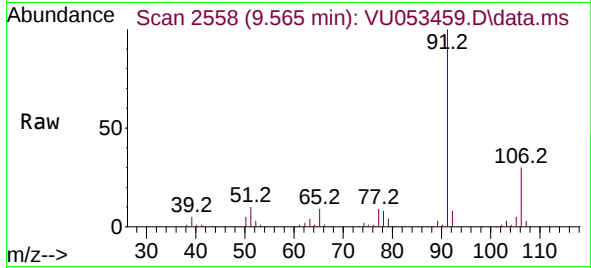




#52
Ethylbenzene
Concen: 44.593 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

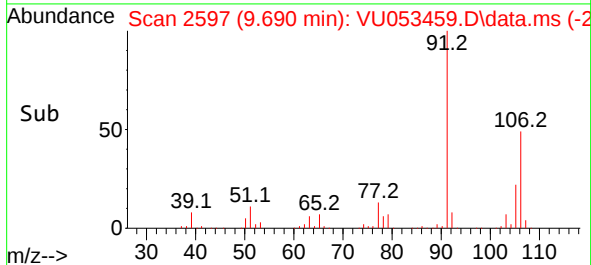
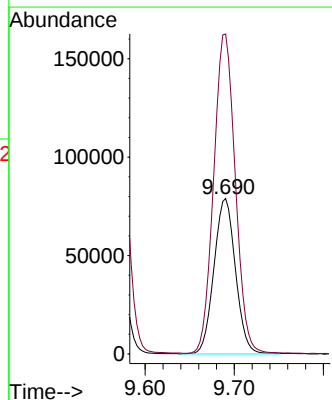
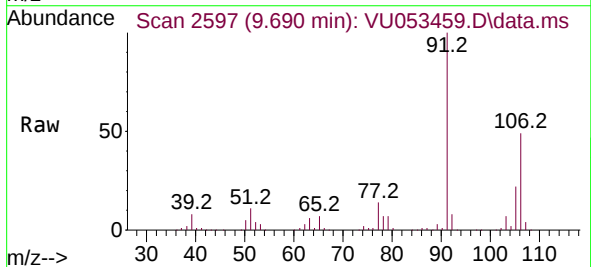
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

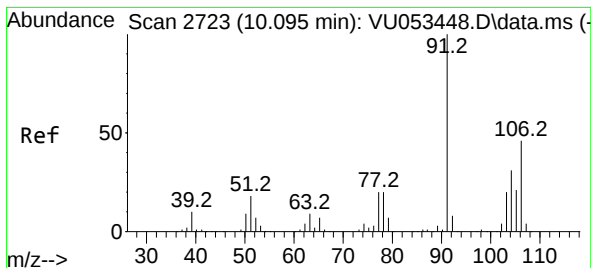
Tgt Ion: 91 Resp: 357762
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 44.213 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 106 Resp: 132392
Ion Ratio Lower Upper
106 100
91 205.9 145.3 269.8





#54

o-Xylene

Concen: 44.236 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

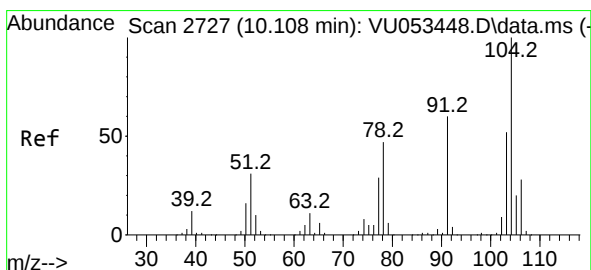
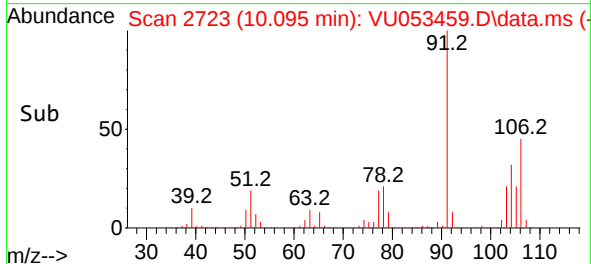
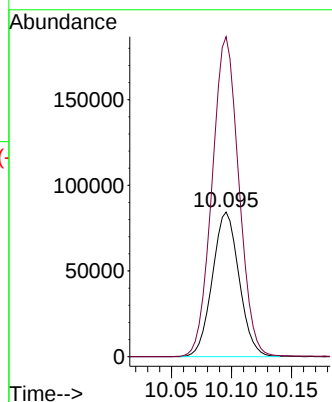
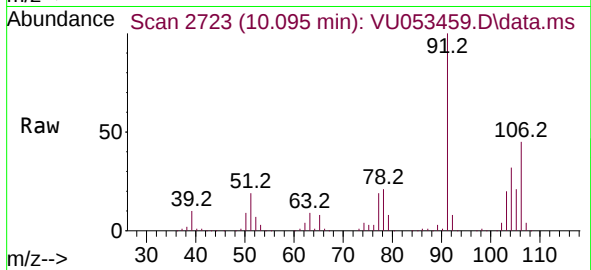
EYF64MSD

Tgt Ion:106 Resp: 131010

Ion Ratio Lower Upper

106 100

91 221.3 154.9 287.7



#55

Styrene

Concen: 45.447 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053459.D

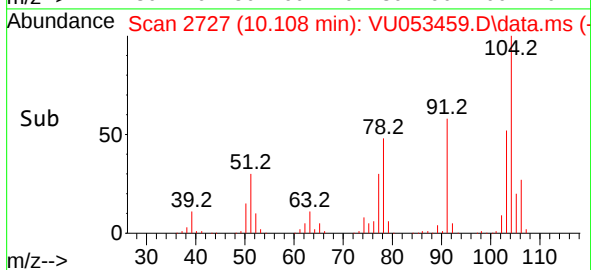
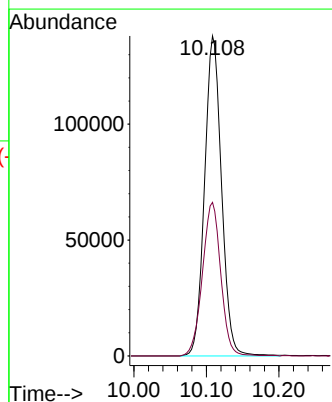
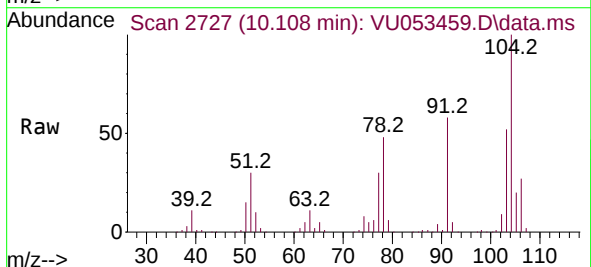
Acq: 29 Mar 2023 01:40

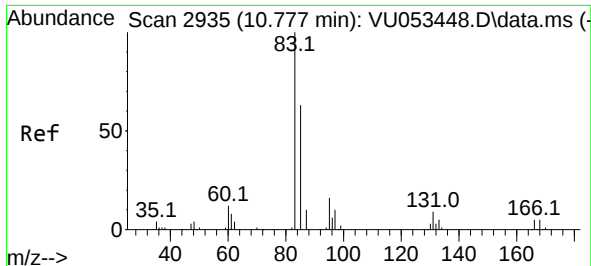
Tgt Ion:104 Resp: 224326

Ion Ratio Lower Upper

104 100

78 48.0 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 50.227 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

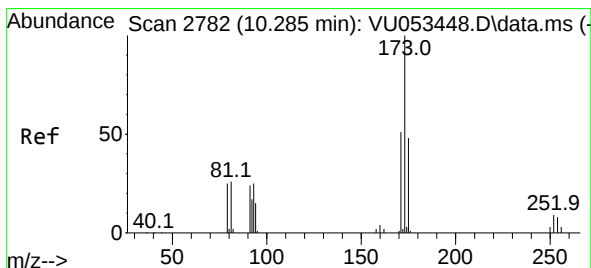
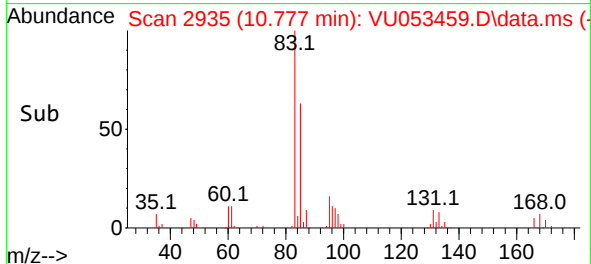
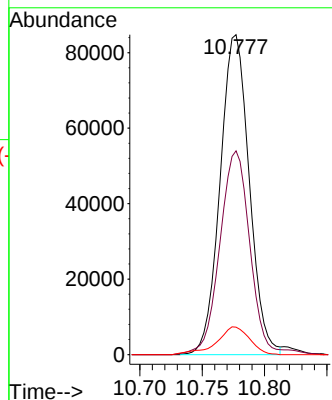
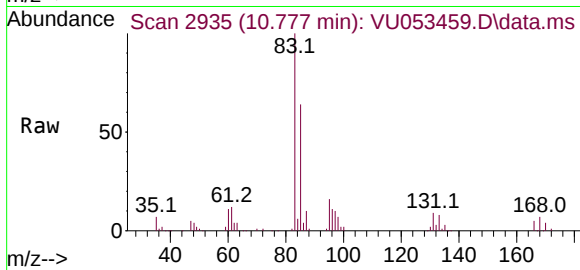
Tgt Ion: 83 Resp: 137666

Ion Ratio Lower Upper

83 100

85 63.7 46.0 85.4

131 8.6 6.6 10.0



#59

Bromoform

Concen: 49.647 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

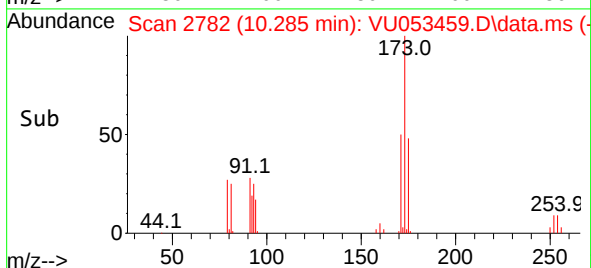
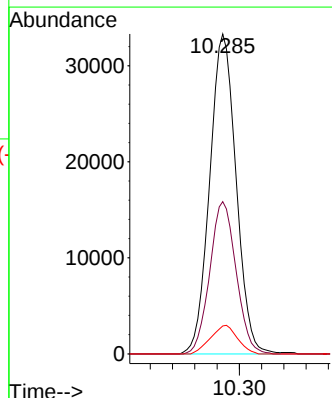
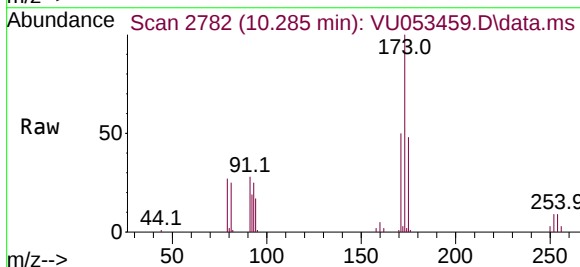
Tgt Ion:173 Resp: 54804

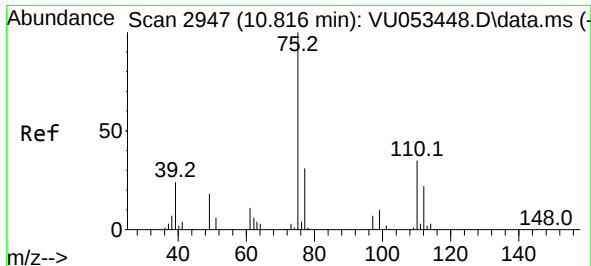
Ion Ratio Lower Upper

173 100

175 47.4 38.5 57.7

254 9.1 6.5 9.7

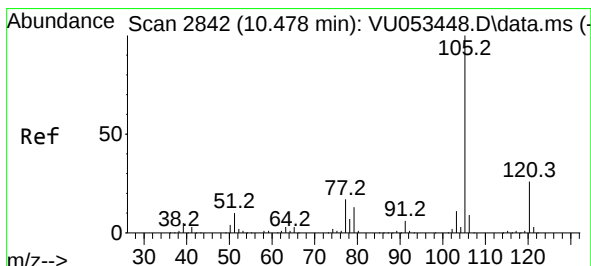
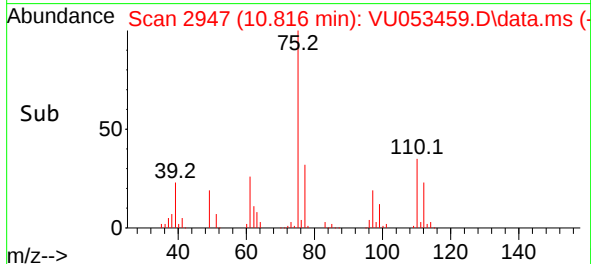
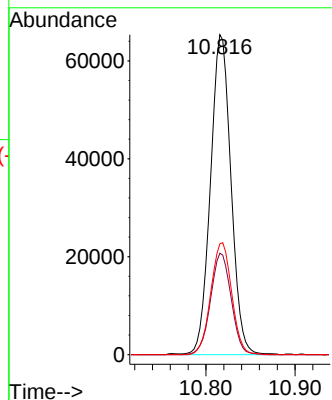
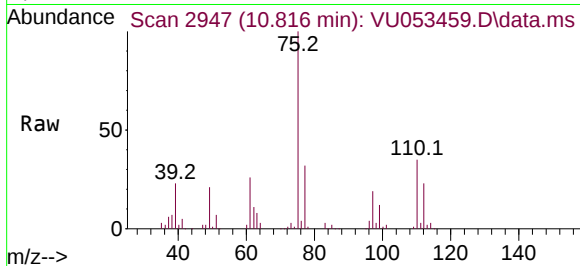




#60
1,2,3-Trichloropropane
Concen: 54.206 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

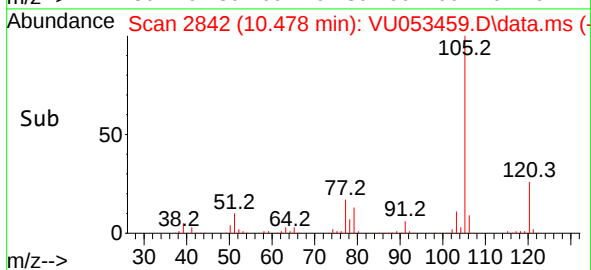
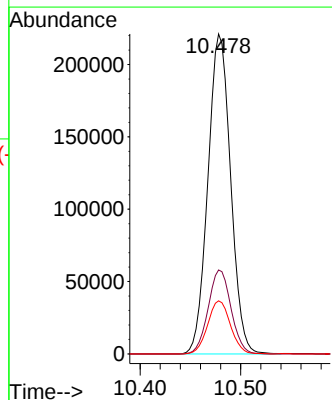
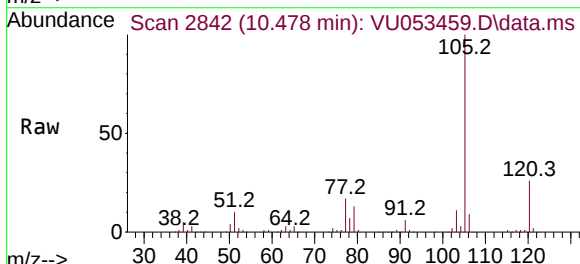
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

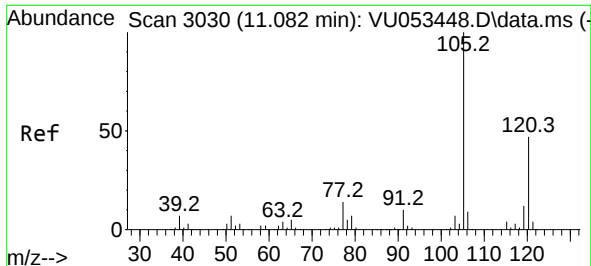
Tgt Ion: 75 Resp: 104484
Ion Ratio Lower Upper
75 100
77 31.8 26.6 40.0
110 35.5 28.6 42.8



#61
Isopropylbenzene
Concen: 45.273 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion: 105 Resp: 346985
Ion Ratio Lower Upper
105 100
120 26.3 20.4 30.6
77 16.6 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 44.214 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

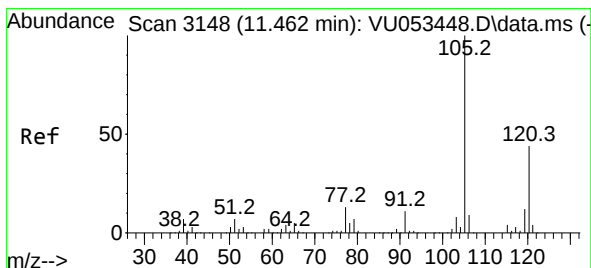
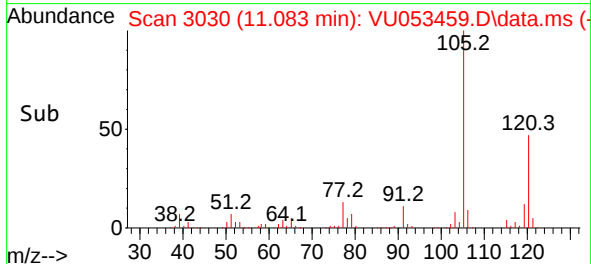
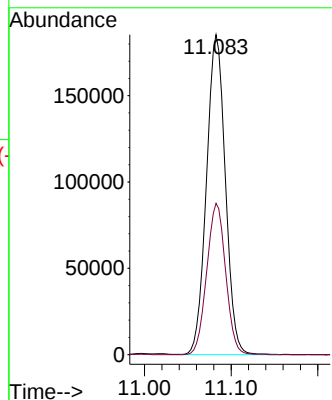
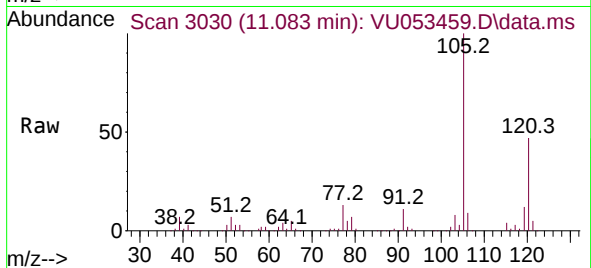
EYF64MSD

Tgt Ion:105 Resp: 280496

Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 44.957 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053459.D

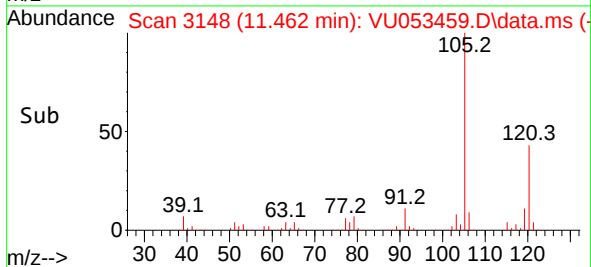
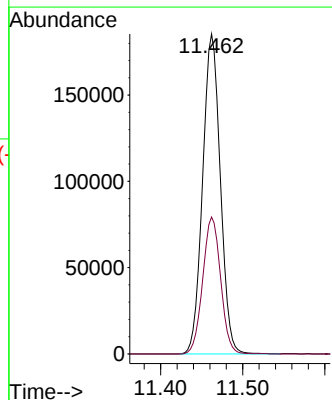
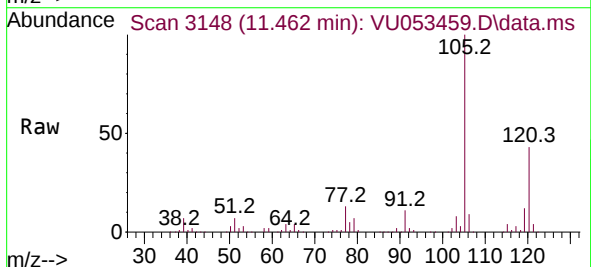
Acq: 29 Mar 2023 01:40

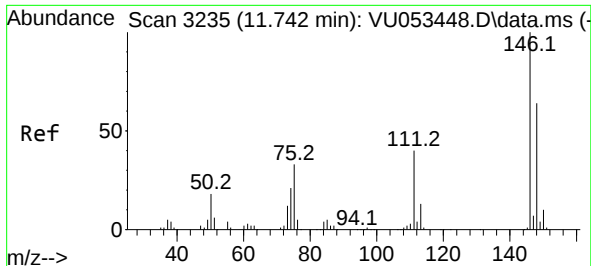
Tgt Ion:105 Resp: 278008

Ion Ratio Lower Upper

105 100

120 43.2 34.6 52.0

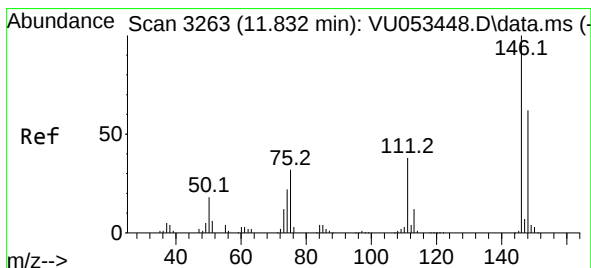
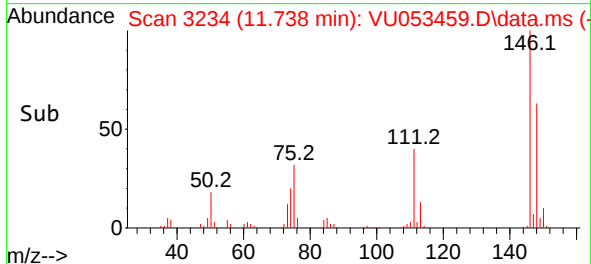
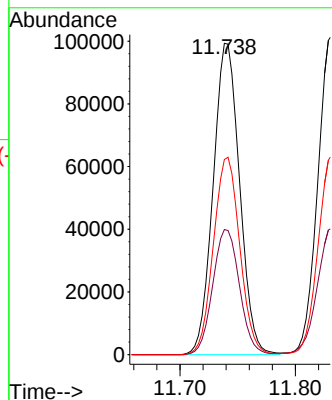
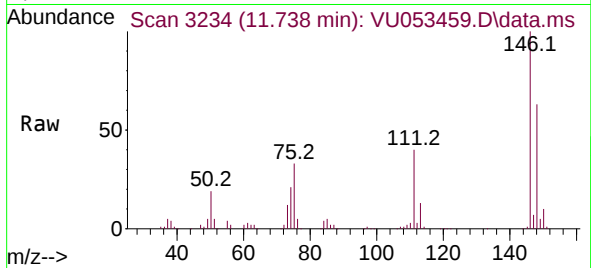




#64
1,3-Dichlorobenzene
Concen: 49.171 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

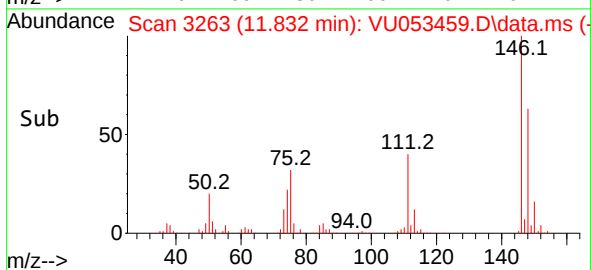
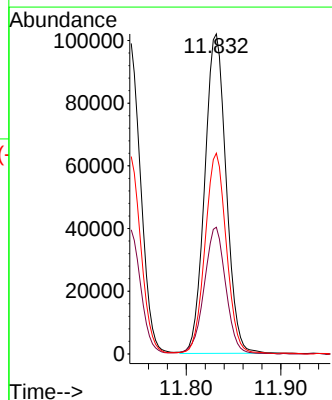
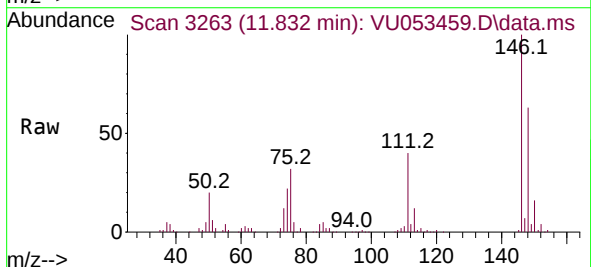
Instrument :
MSVOA_U
ClientSampleId :
EYF64MSD

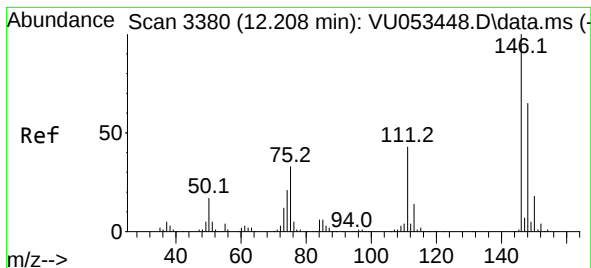
Tgt Ion:146 Resp: 158052
Ion Ratio Lower Upper
146 100
111 40.2 30.2 56.0
148 62.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 49.987 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053459.D
Acq: 29 Mar 2023 01:40

Tgt Ion:146 Resp: 161301
Ion Ratio Lower Upper
146 100
111 39.6 30.7 57.1
148 62.7 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 50.142 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

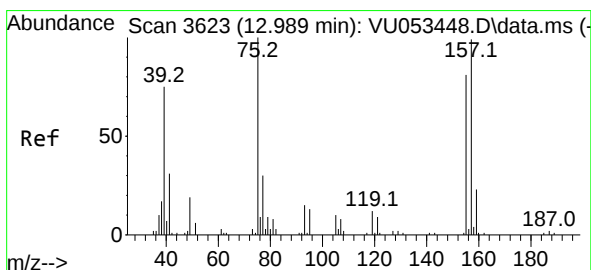
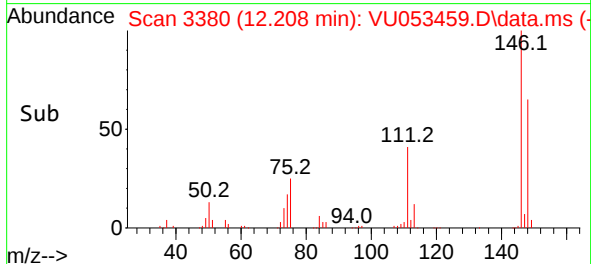
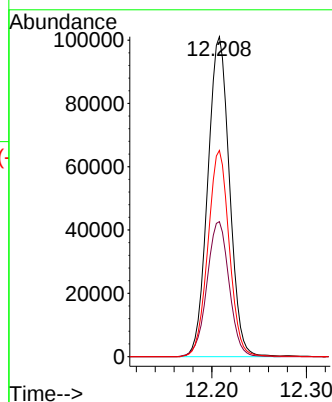
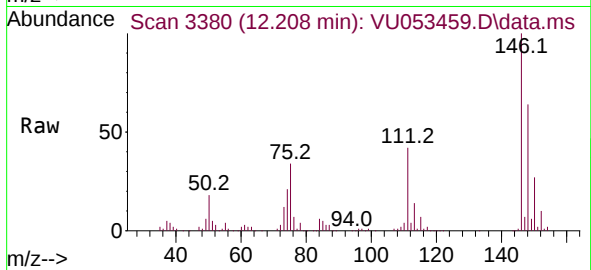
Tgt Ion:146 Resp: 161091

Ion Ratio Lower Upper

146 100

111 42.2 37.0 55.4

148 64.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 52.637 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

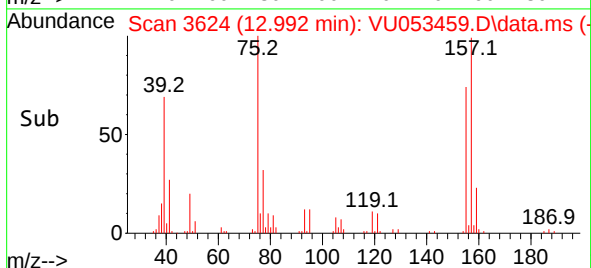
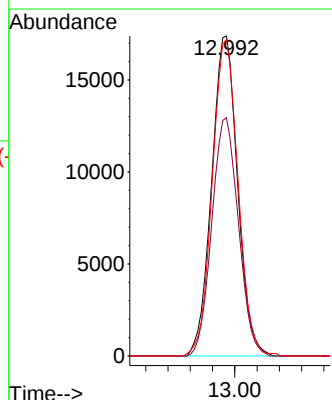
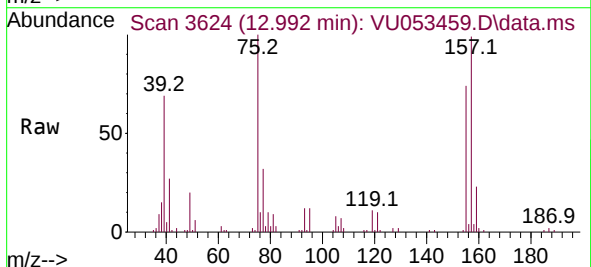
Tgt Ion: 75 Resp: 28056

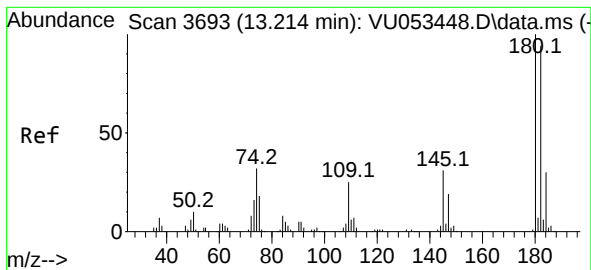
Ion Ratio Lower Upper

75 100

155 74.4 60.2 90.4

157 98.8 73.0 109.4

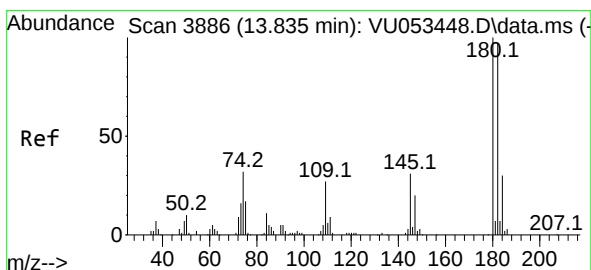
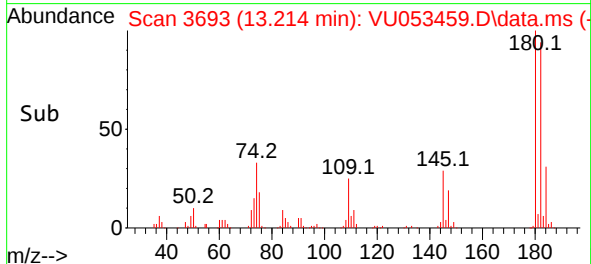
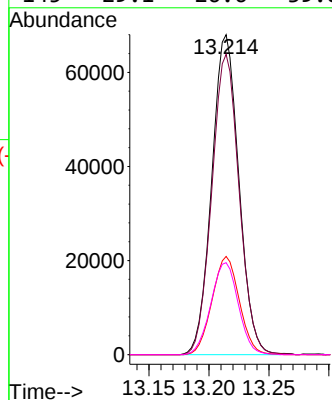
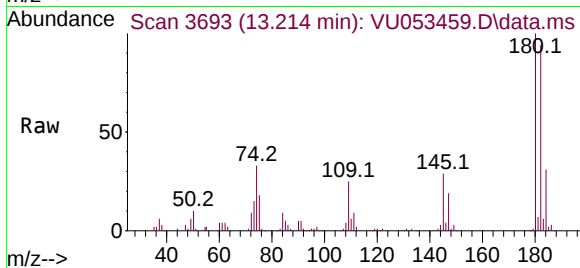




#69
 1,3,5-Trichlorobenzene
 Concen: 52.478 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

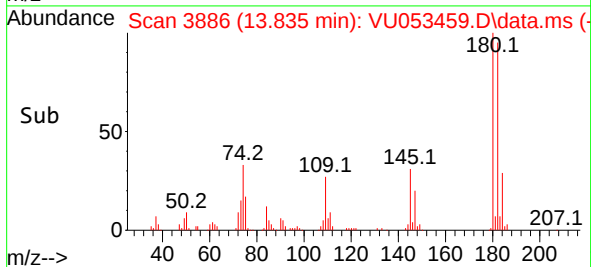
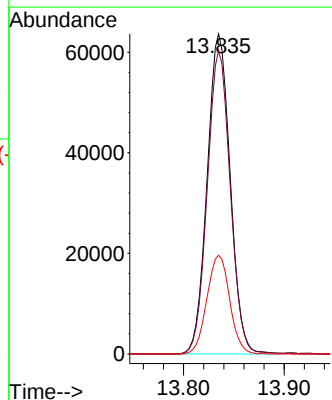
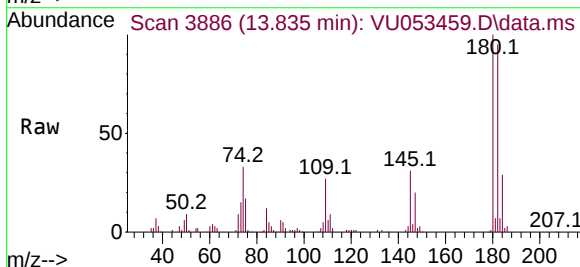
Instrument :
 MSVOA_U
 ClientSampleId :
 EYF64MSD

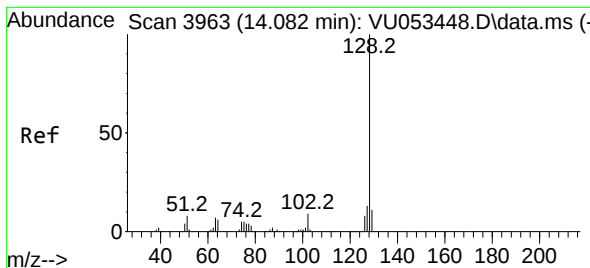
Tgt Ion:180	Resp:	106946
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.5 111.7
184	30.8	23.2 34.8
145	29.1	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 55.217 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053459.D
 Acq: 29 Mar 2023 01:40

Tgt Ion:180	Resp:	101108
Ion Ratio	Lower	Upper
180	100	
182	94.5	75.8 113.8
145	30.4	27.2 40.8





#71

Naphthalene

Concen: 55.952 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.003 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Instrument :

MSVOA_U

ClientSampleId :

EYF64MSD

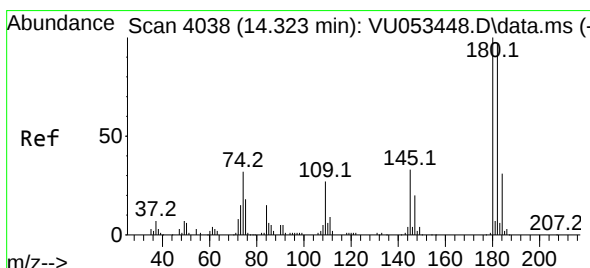
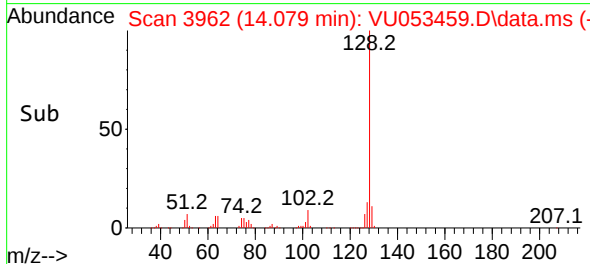
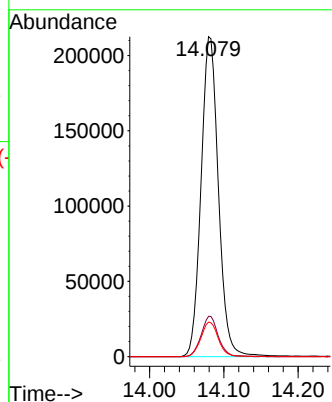
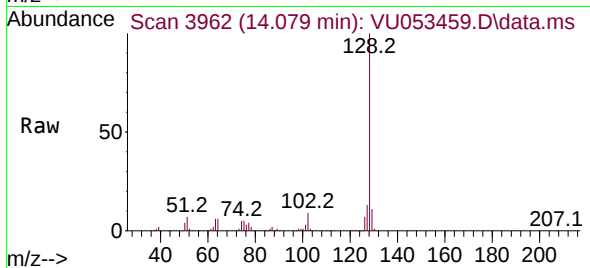
Tgt Ion:128 Resp: 345323

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 58.040 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053459.D

Acq: 29 Mar 2023 01:40

Tgt Ion:180 Resp: 100786

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 32.4 28.6 42.8

